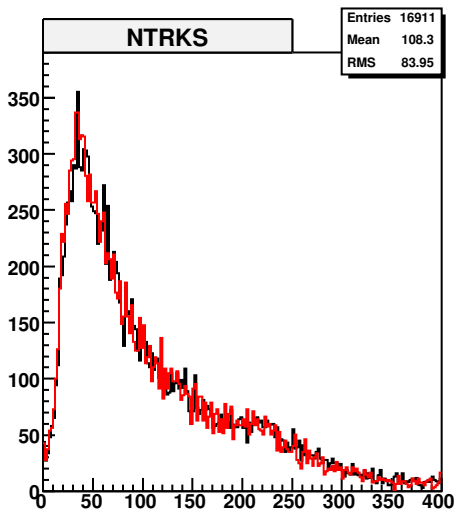
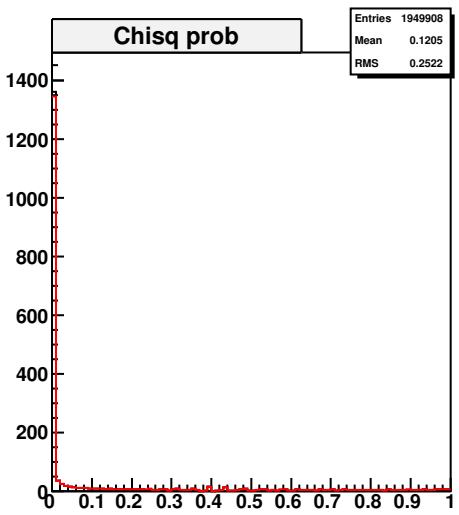
p2010_r234062_011-016.root
p2011_r234062_011-016.root

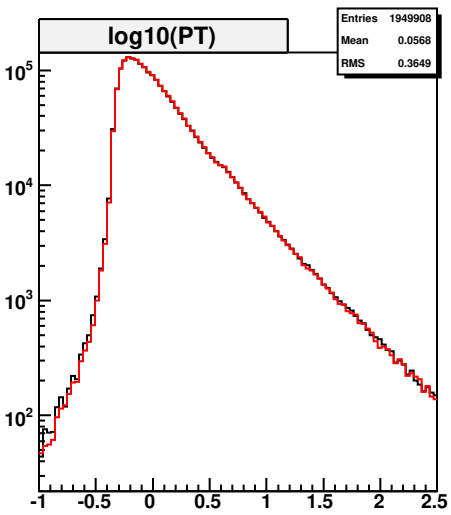
Page 3: Tracks (All)
Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracking (Efficiency - Isolated)
Page 7: Tracking (Efficiency - InJets)
Page 8: Vertices (Primary - all candidates)
Page 9: Vertices (Primary - best)
Page 10: V0 (All)
Page 11: V0 (B mesons)
Page 12: Electrons (SCONE All)
Page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

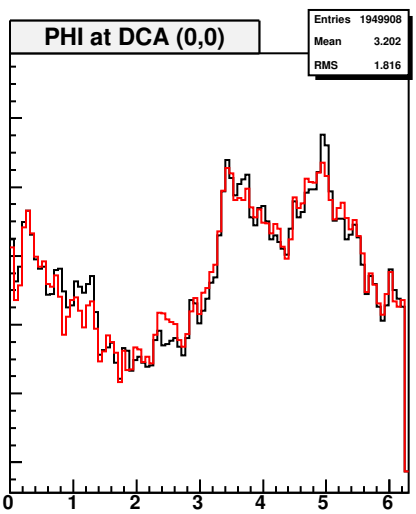
RecoCert_Plots (Index)

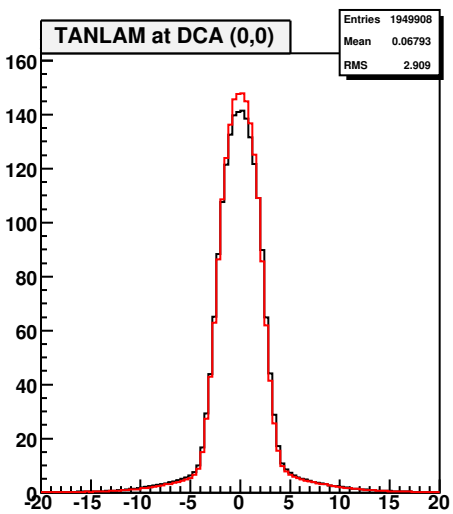
Page 54: CFT ADC Summary (Clusters on tracks)
Page 55: MuonPDT (All)
Page 56: MuonMDT (All)
Page 57: MuonMSC (All)
Page 58: Muon Local Tracks (All)
Page 59: Muon Local Tracks (MediumWamus)
Page 60: Muon Local Tracks (MediumFamus)
Page 61: FPS Trigger Sector Occupancy
Page 62: FPS Number of Hits
Page 63: L1CTT TTK Trigger Turn-on (All)
Page 64: L1CTT TIS Trigger Turn-on (All)
Page 65: L1CTT TEL Trigger Turn-on (All)
Page 66: L1CTT TES Trigger Turn-on (All)
Page 67: RECO Performance (Timing)

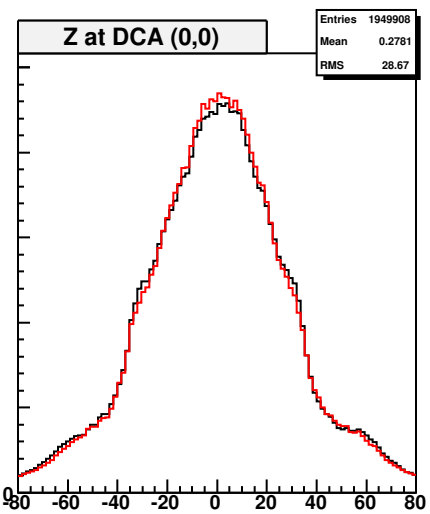

NTRKS
Entries 16911
Mean 108.3
RMS 83.95

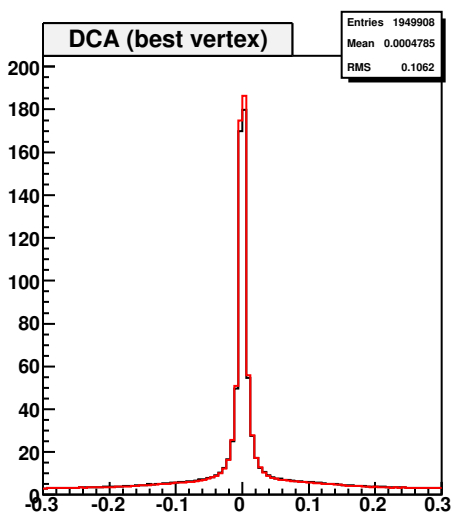

Chisq prob
Entries 1949908
Mean 0.1205
RMS 0.2522

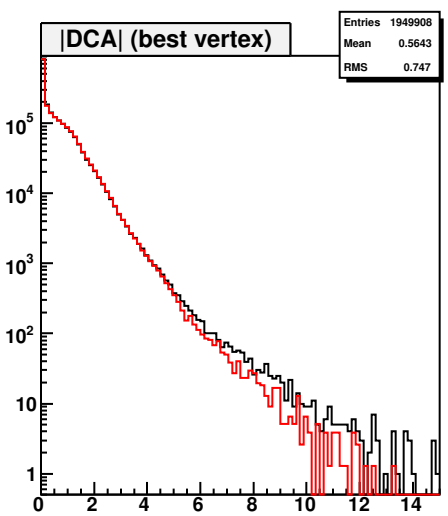

log10(PT)
Entries 1949908
Mean 0.0568
RMS 0.3649

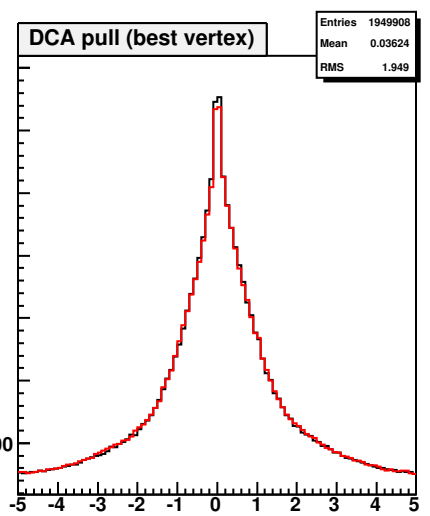

PHI at DCA (0,0)
Entries 1949908
Mean 3.202
RMS 1.816


TANLAM at DCA (0,0)
Entries 1949908
Mean 0.06793
RMS 2.909

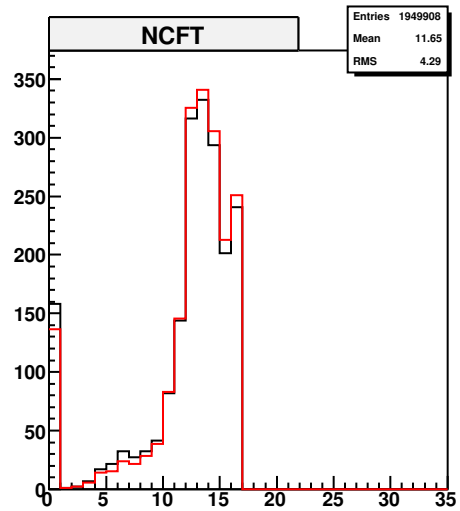

Z at DCA (0,0)
Entries 1949908
Mean 0.2781
RMS 28.67

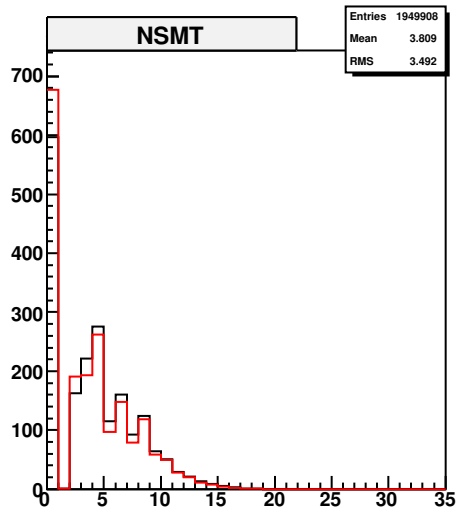

DCA (best vertex)
Entries 1949908
Mean 0.0004785
RMS 0.1062

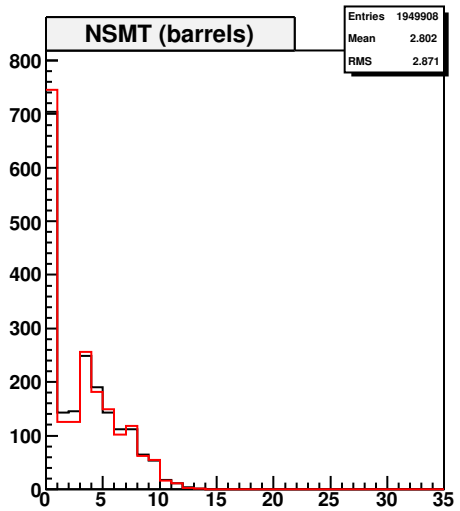

|DCA| (best vertex)
Entries 1949908
Mean 0.5643
RMS 0.747

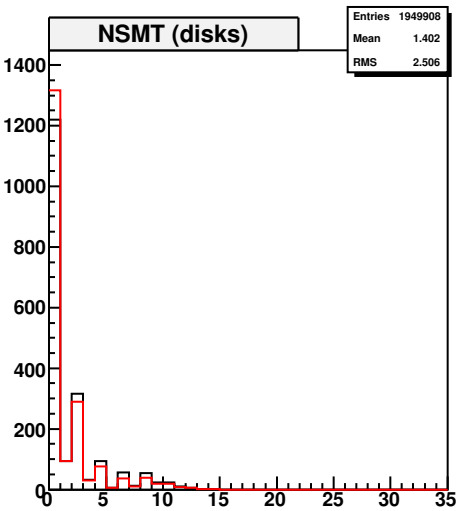

DCA pull (best vertex)
Entries 1949908
Mean 0.03624
RMS 1.949

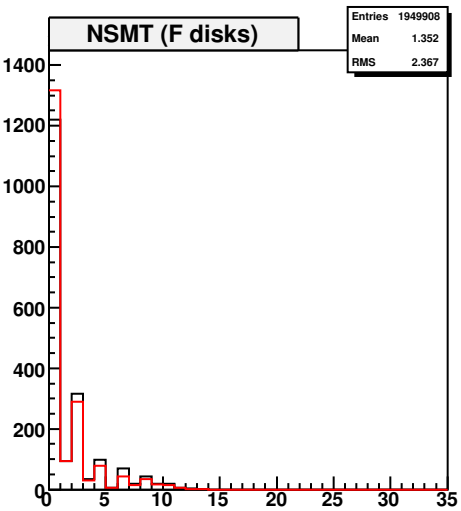
Tracks (All)

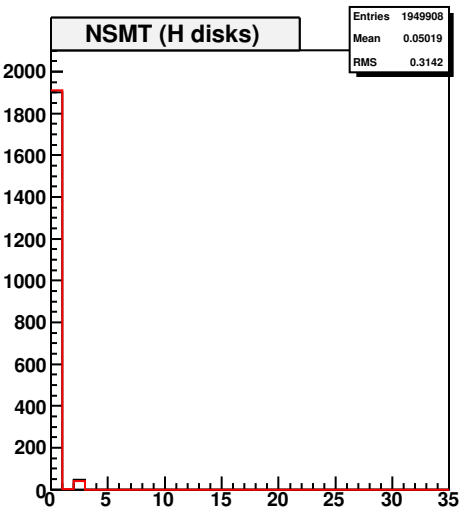


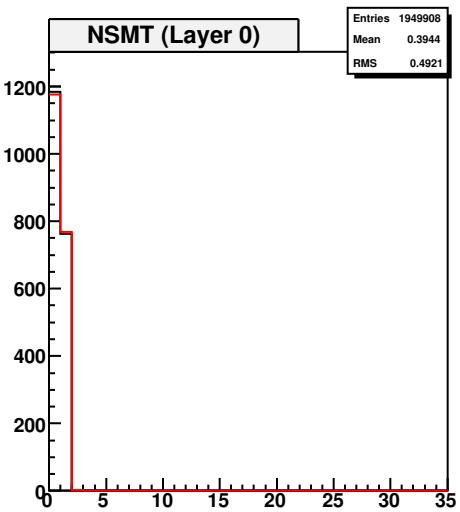




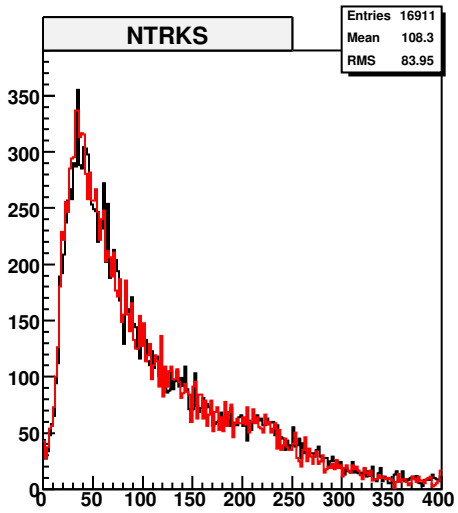


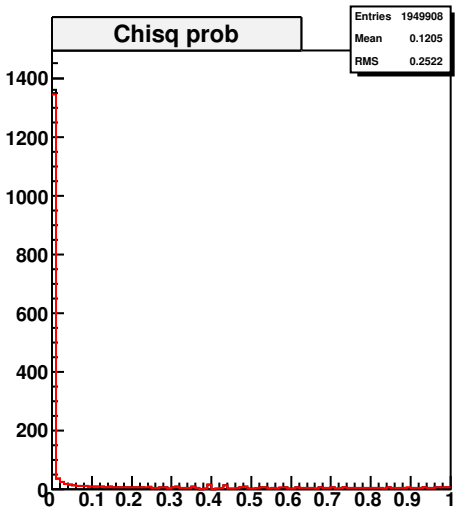


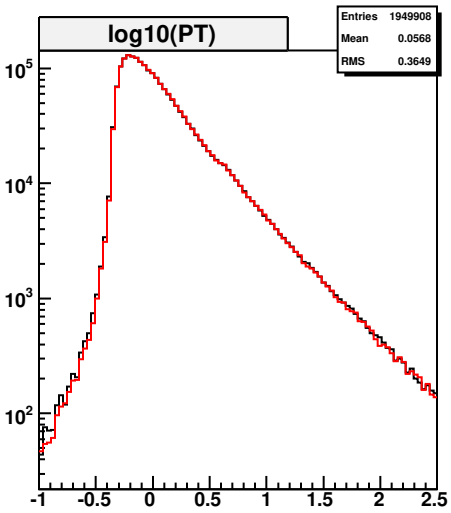


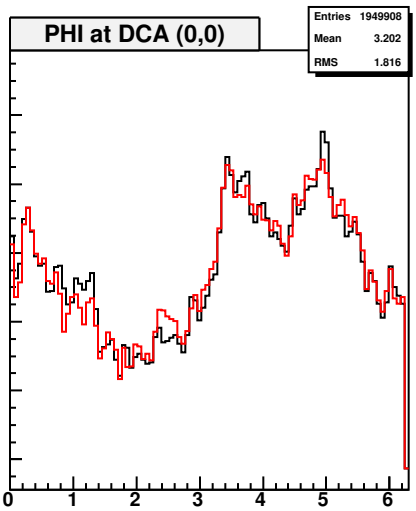


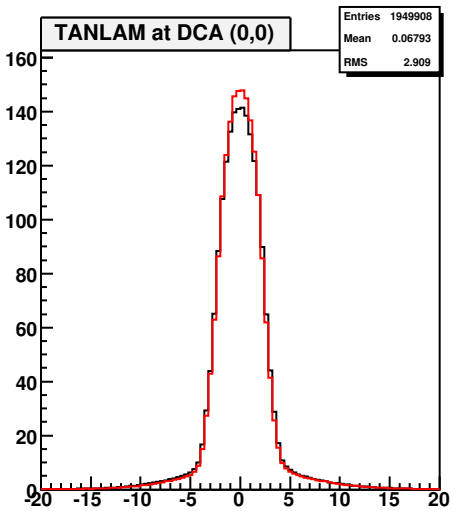
Track Hits (All)

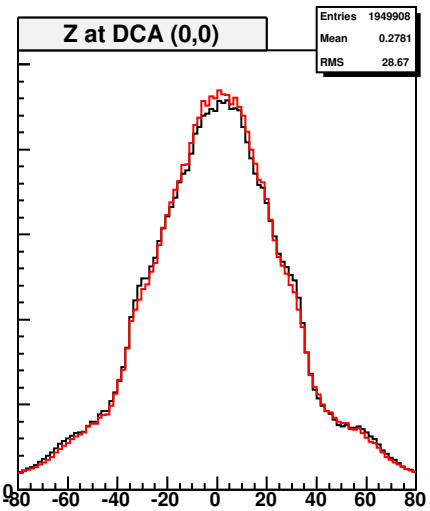


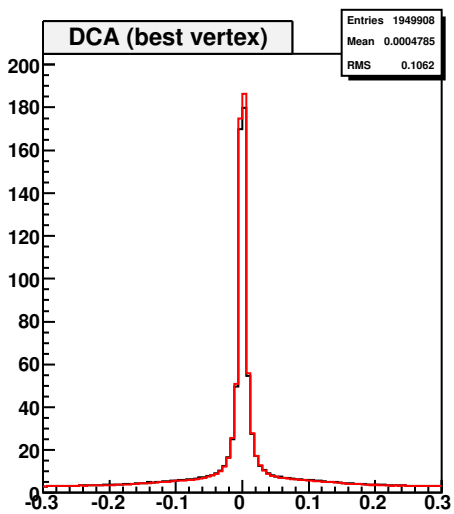


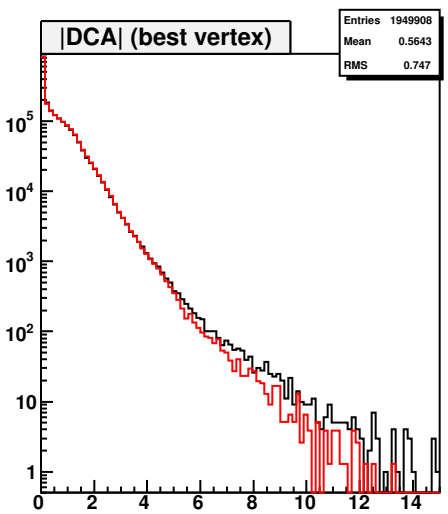


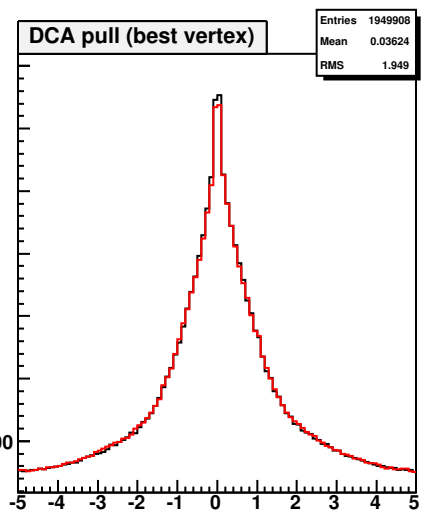




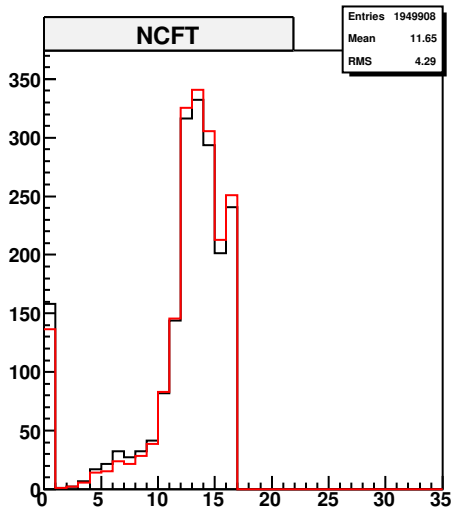


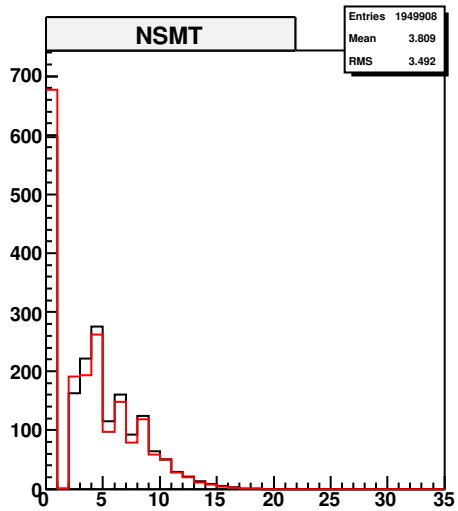


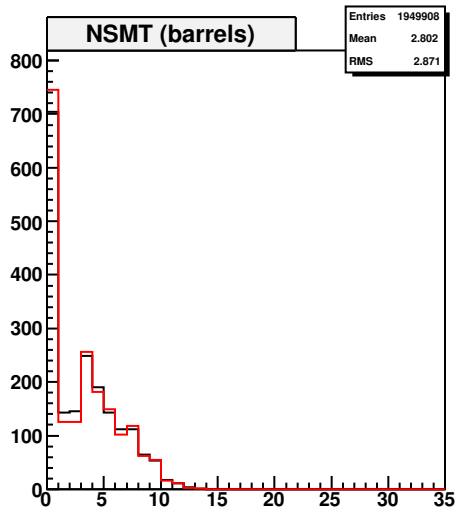


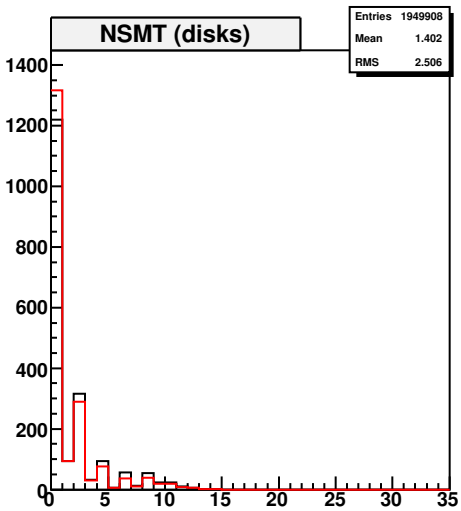


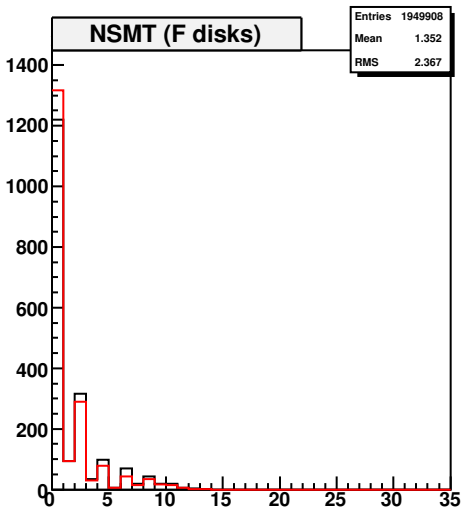
Tracks (Tight)

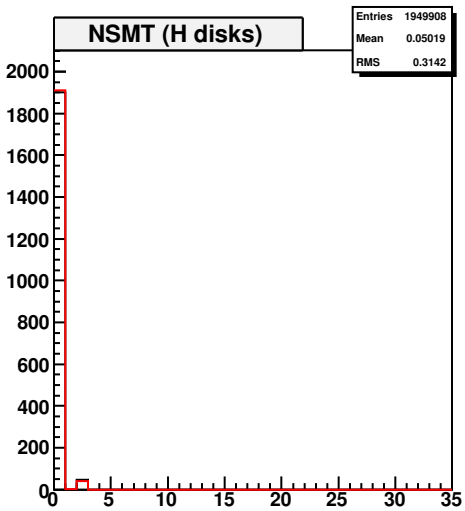


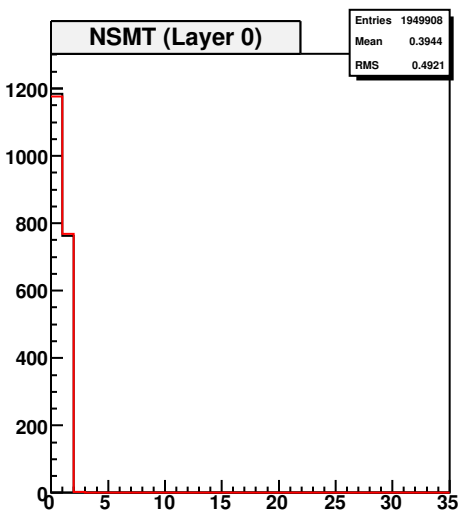




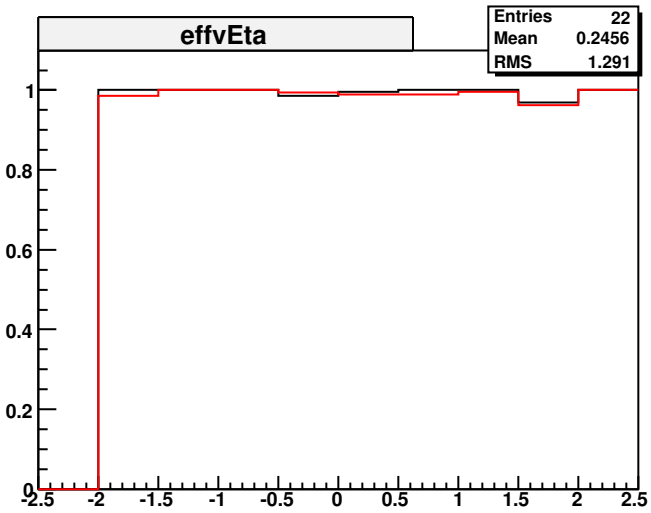


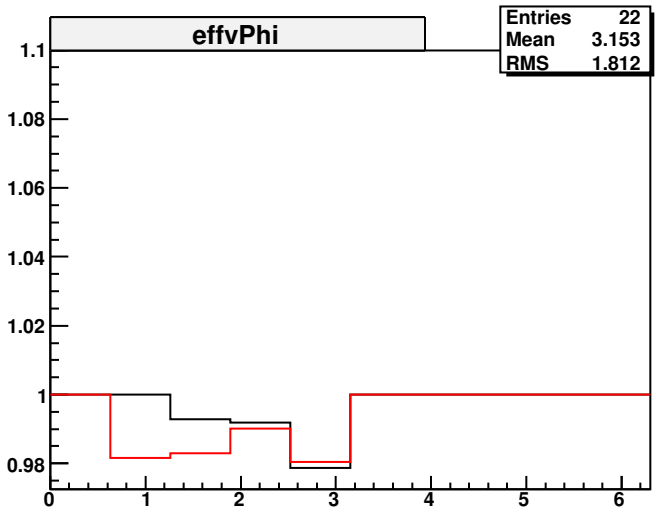


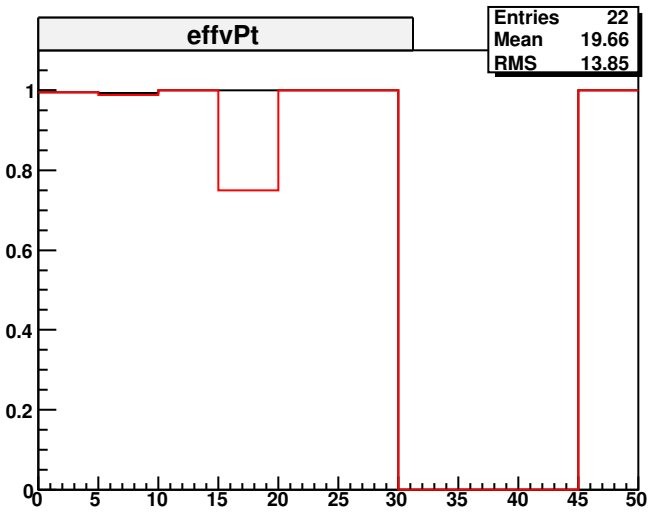


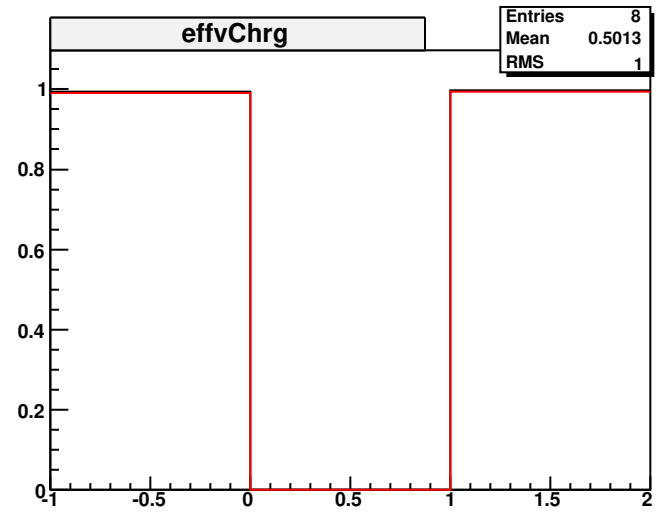


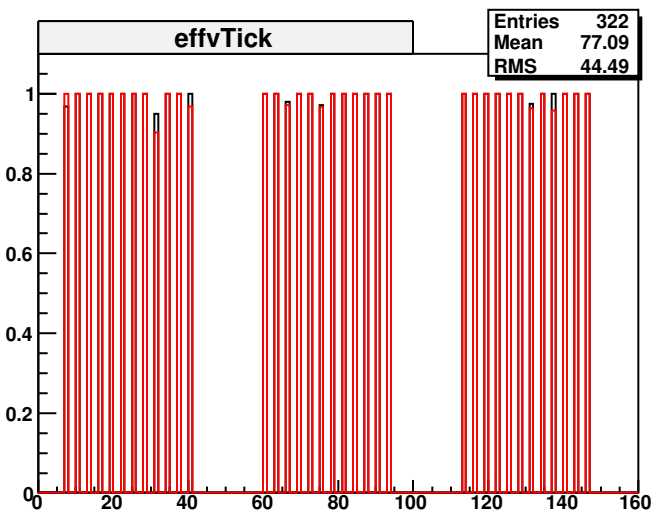
Track Hits (Tight)

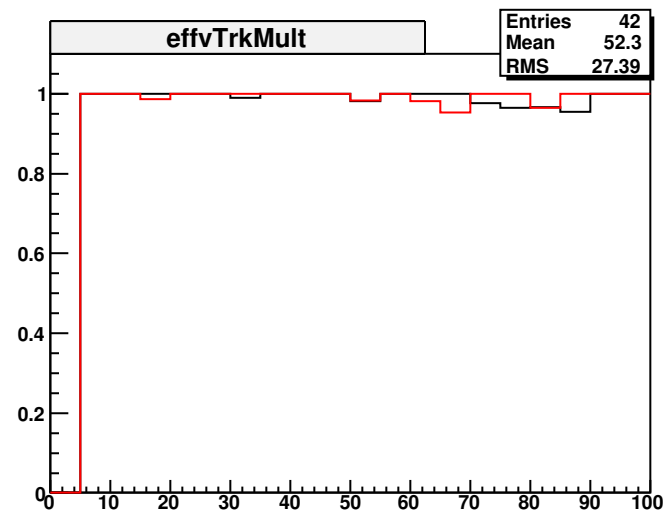




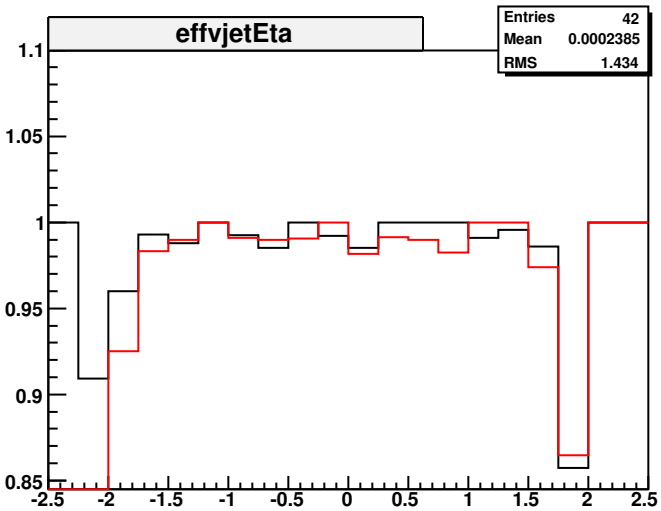


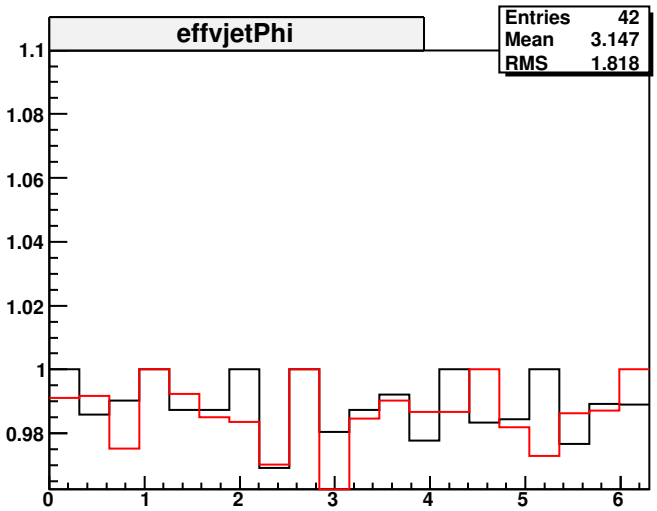


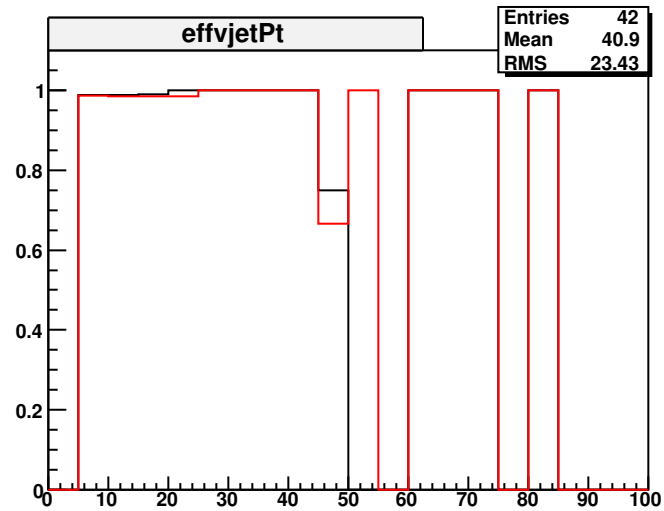




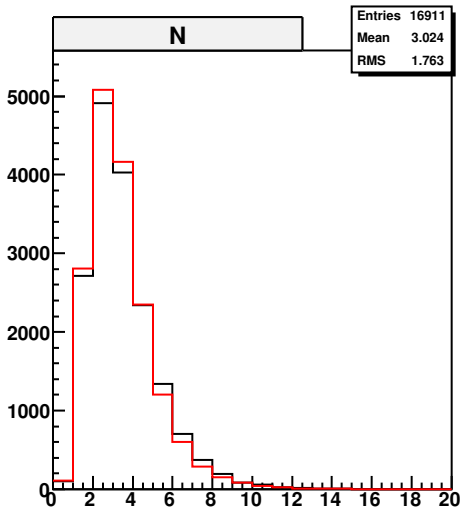
Tracking (Efficiency-Isolated)

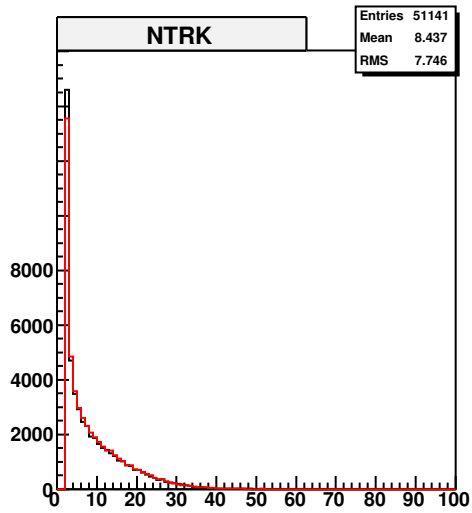


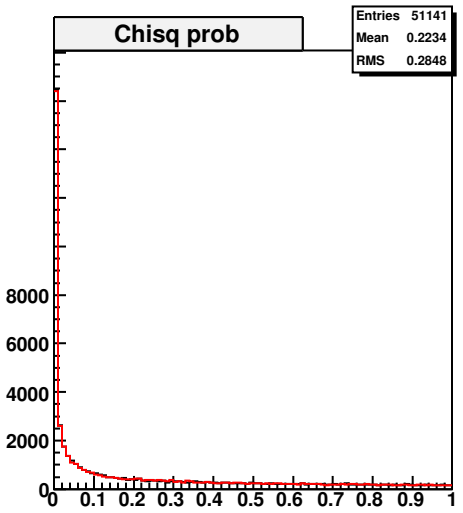


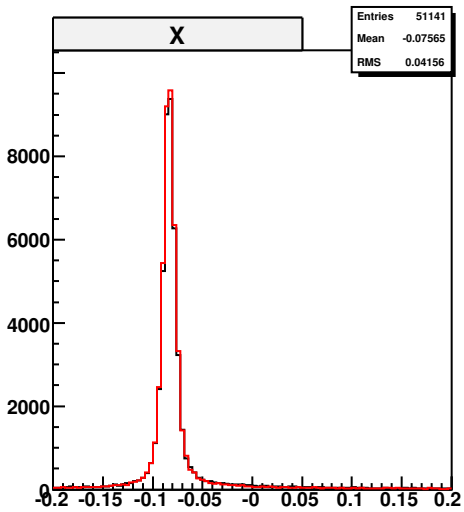


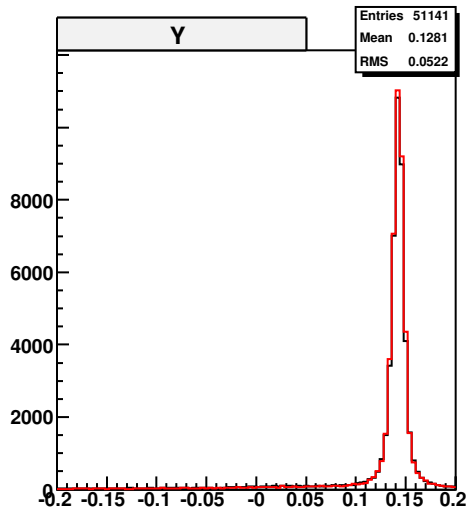
Tracking (Efficiency-InJets)

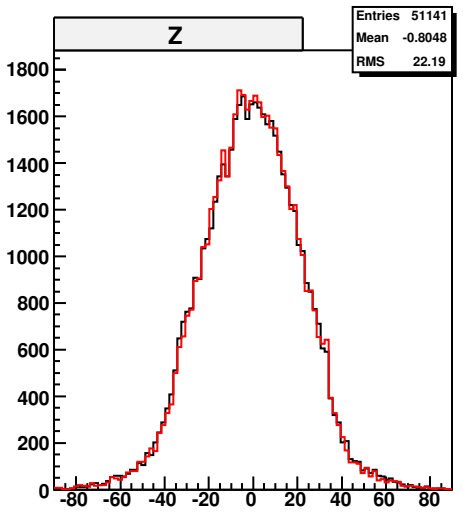


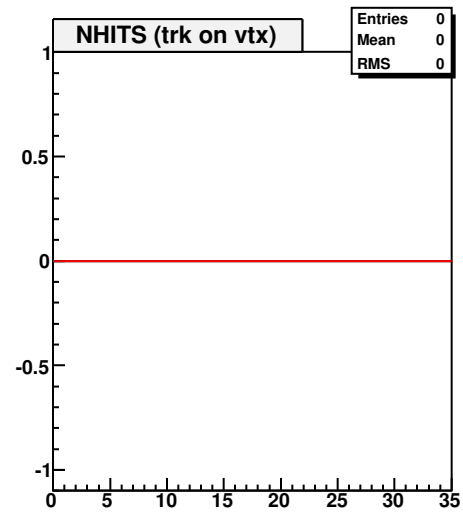


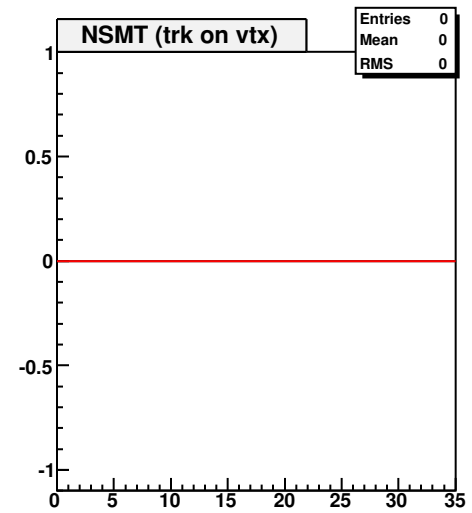


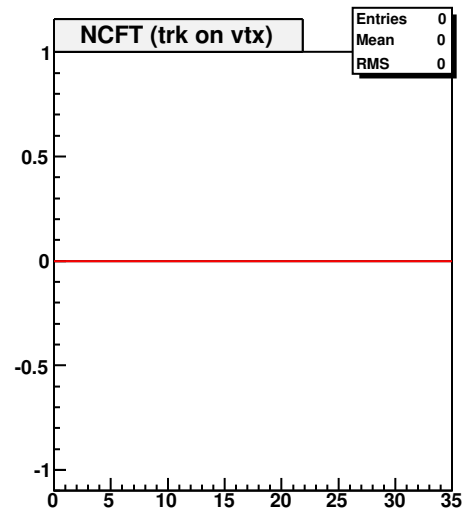




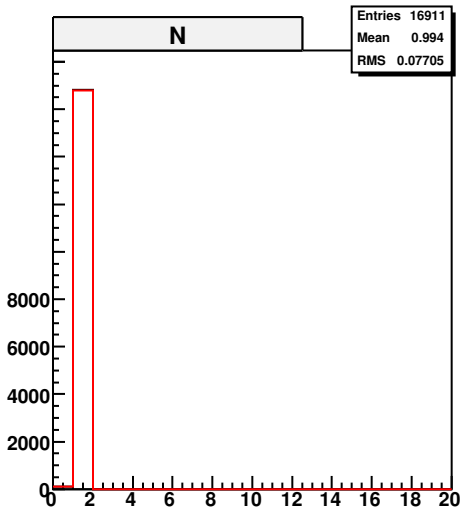


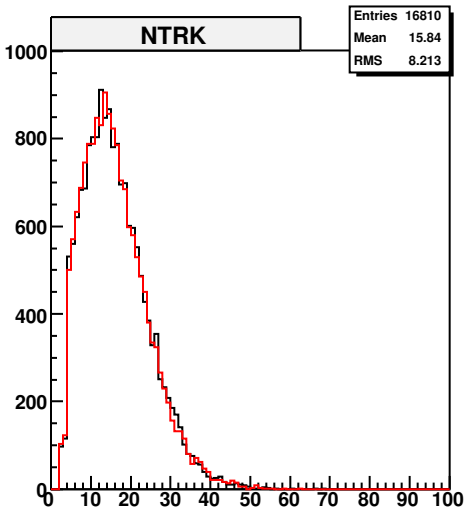


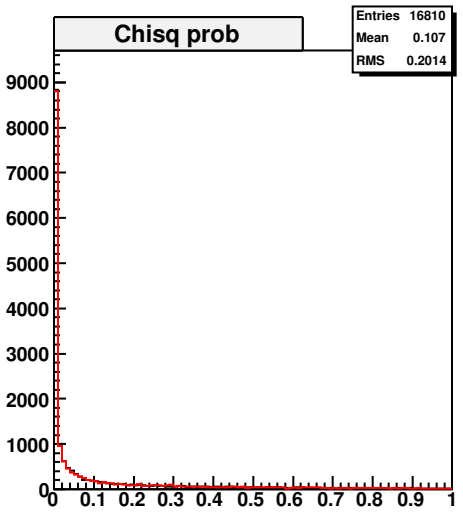


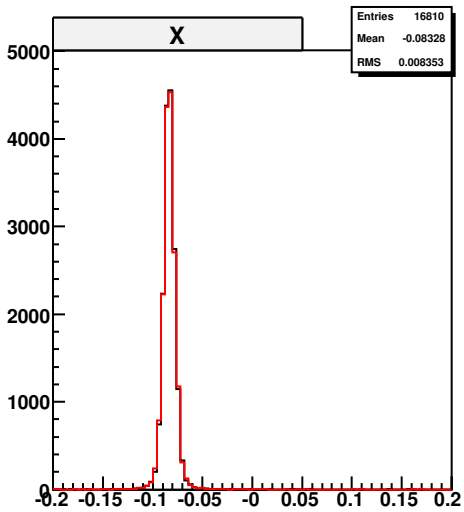


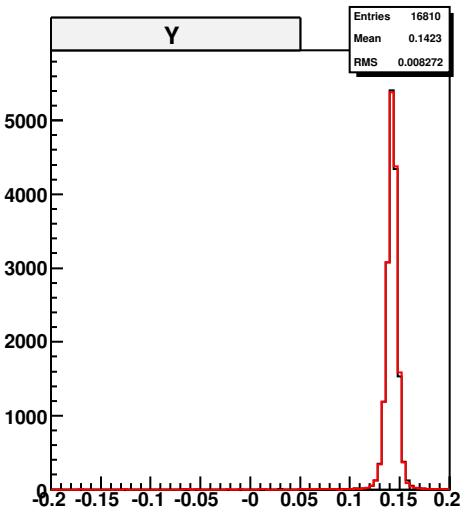
Vertices (Primary - all candidates)

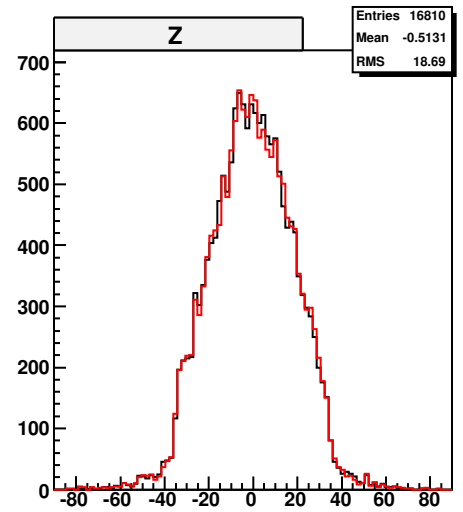


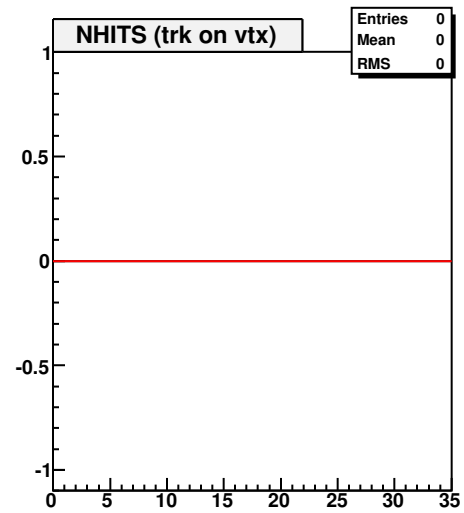


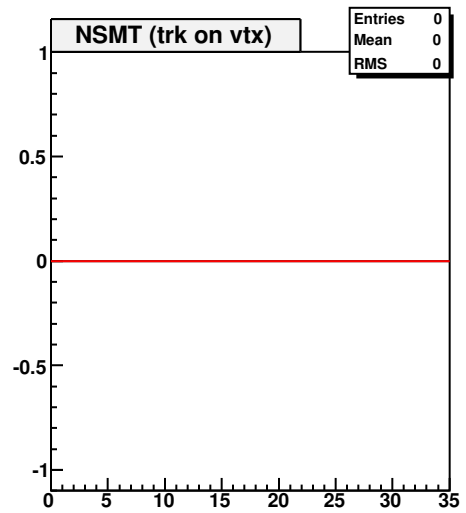


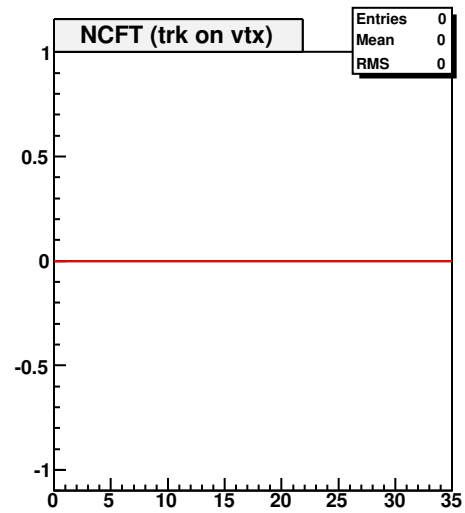




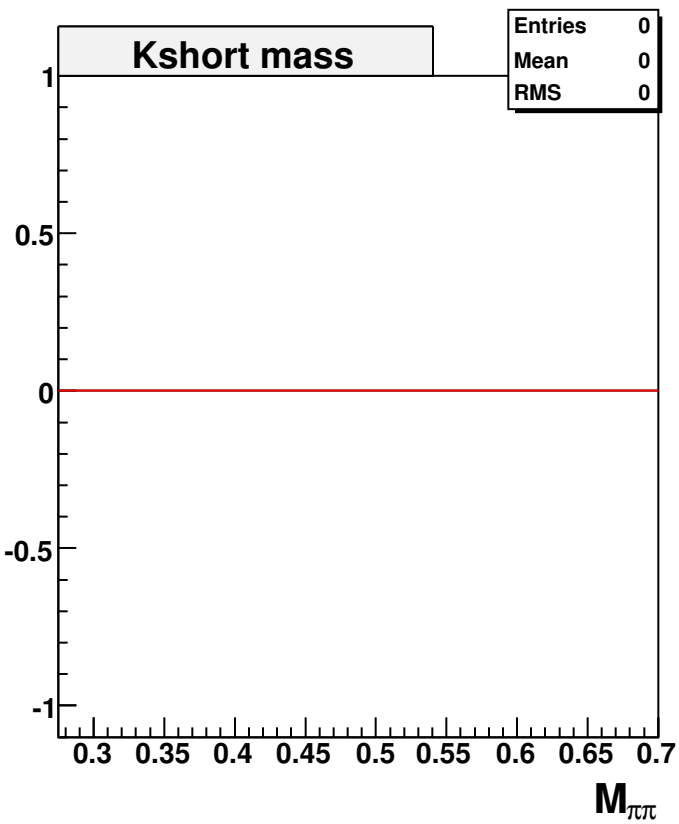


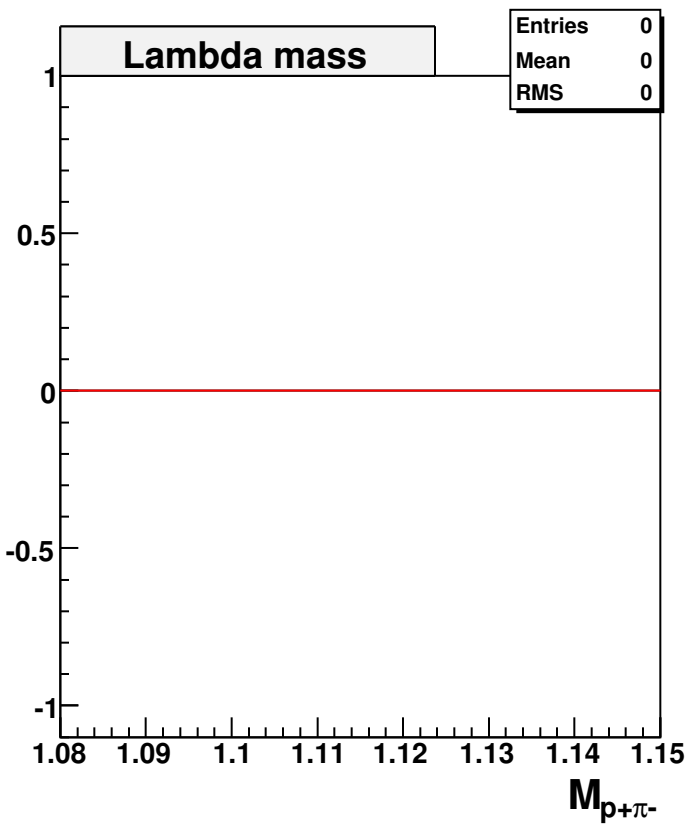


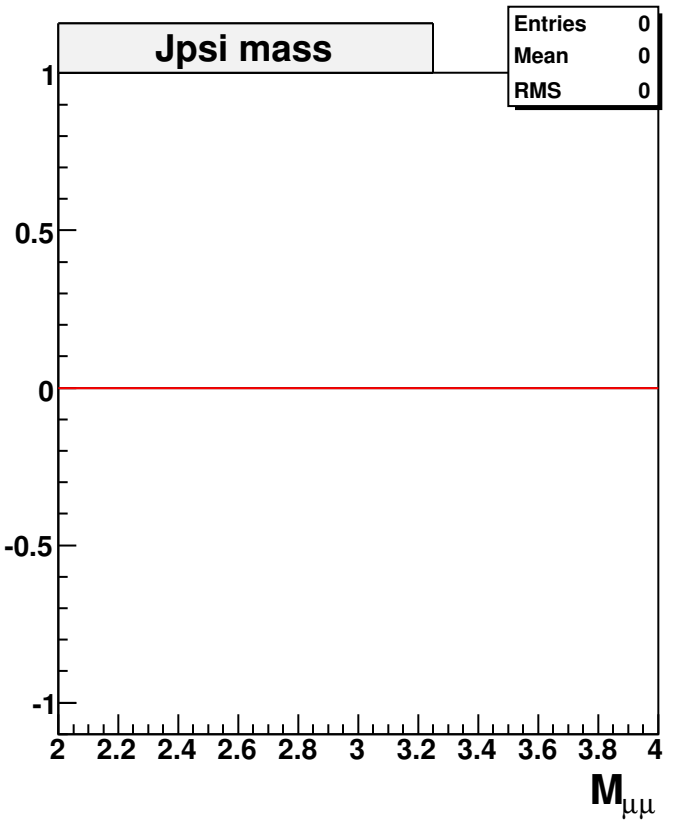


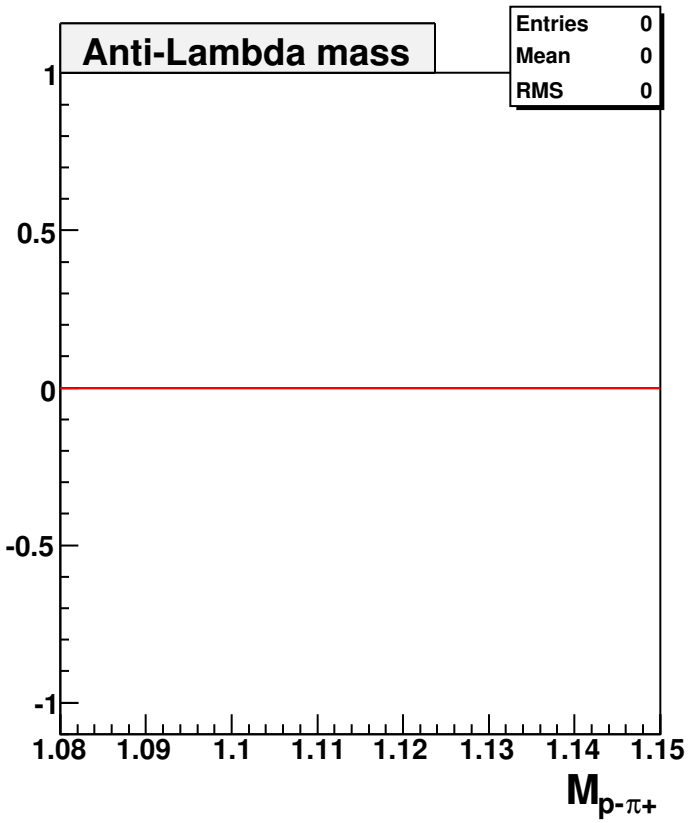


Vertices (Primary - best)

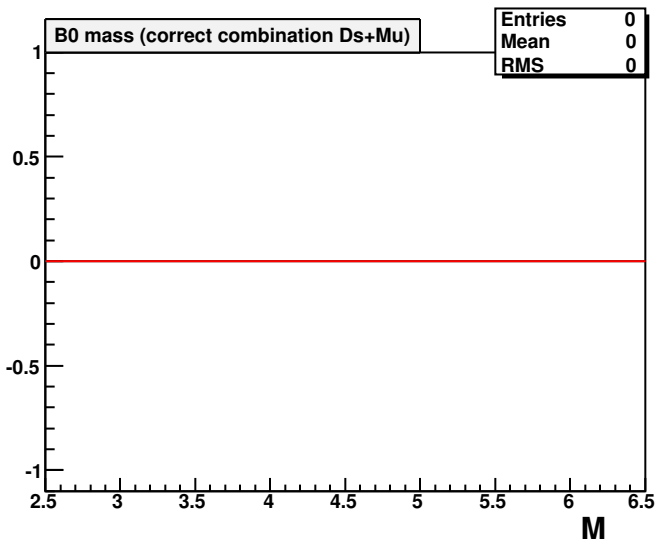

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

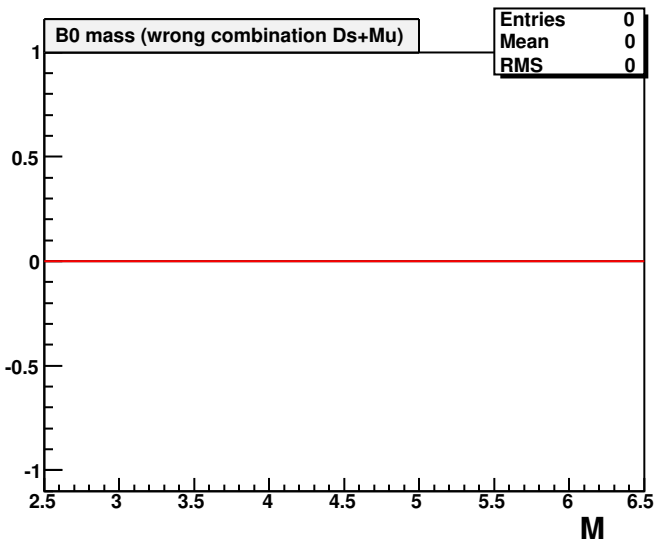

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

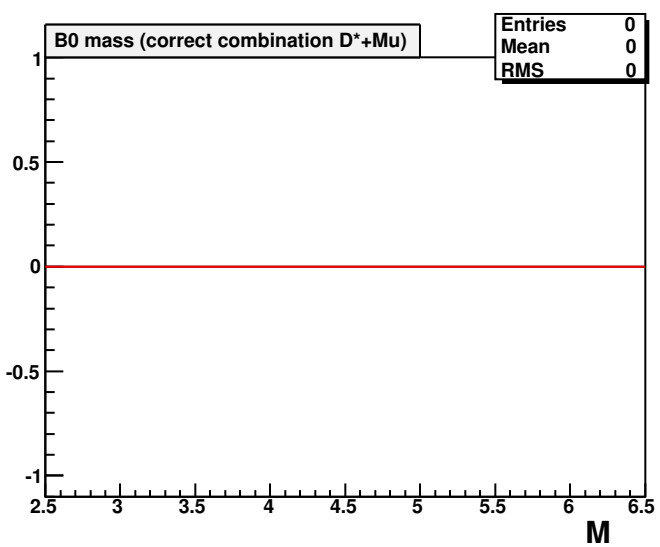

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

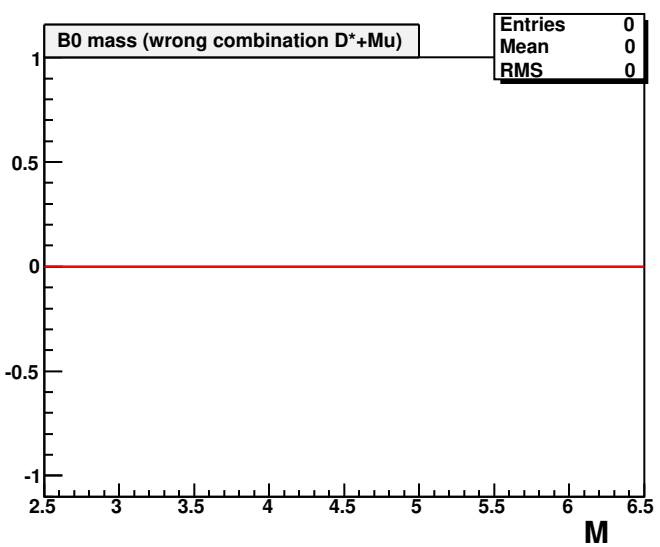

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

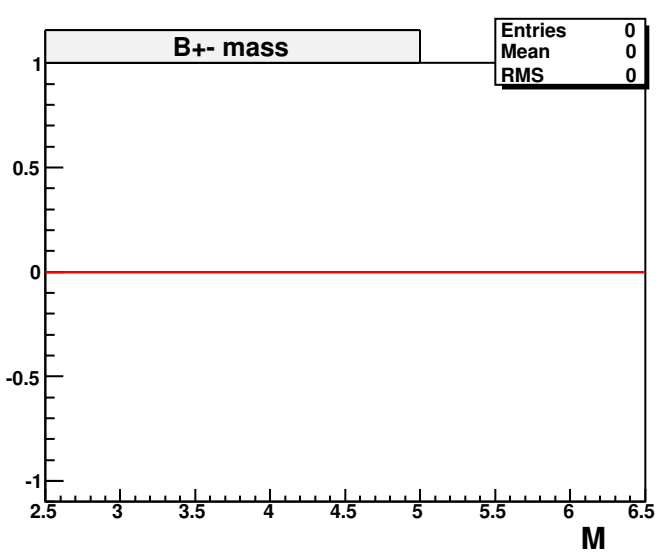
V0 (All)



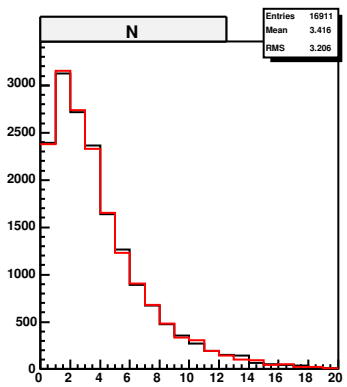


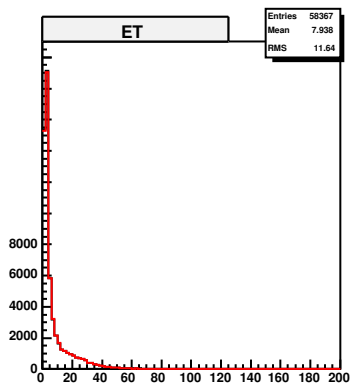


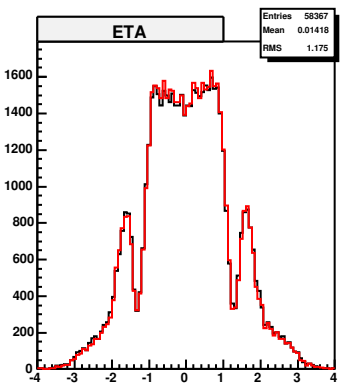


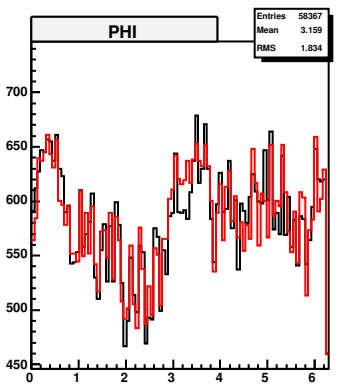


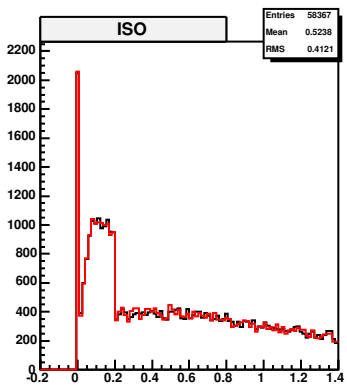
V0(B mesons) (All)

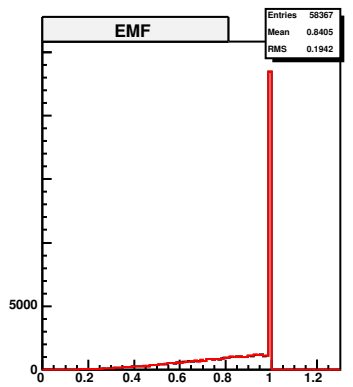


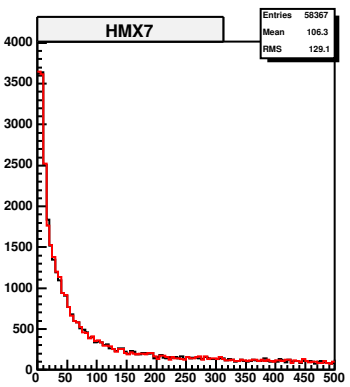


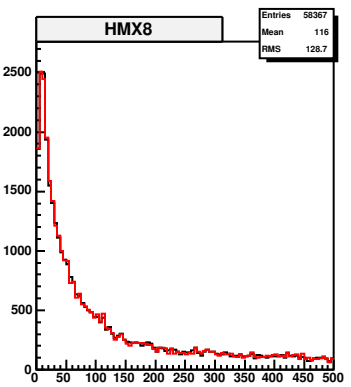


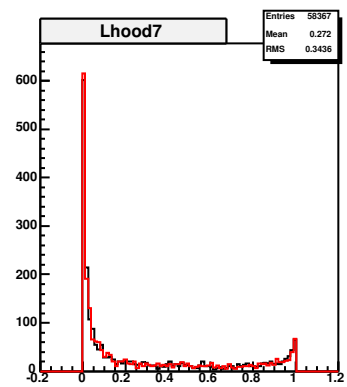


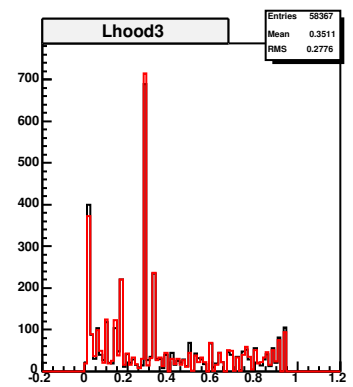


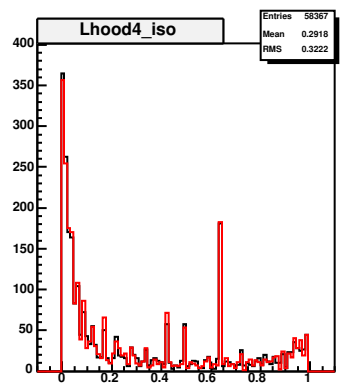


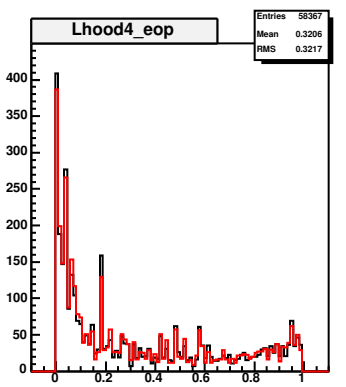


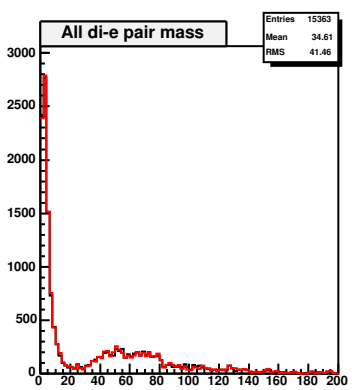


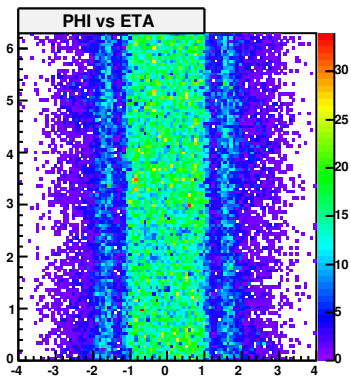


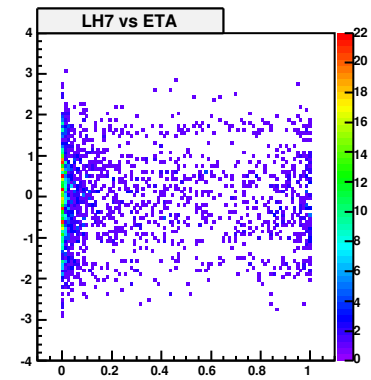


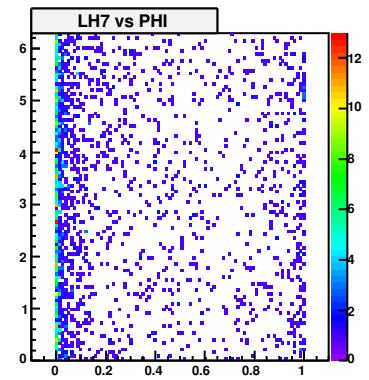




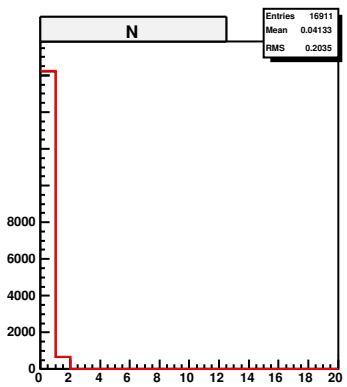


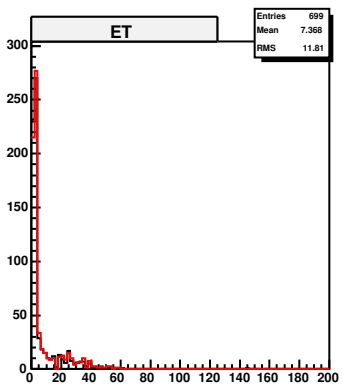


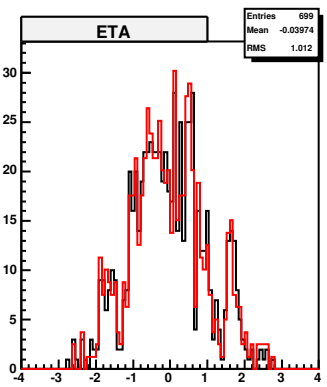


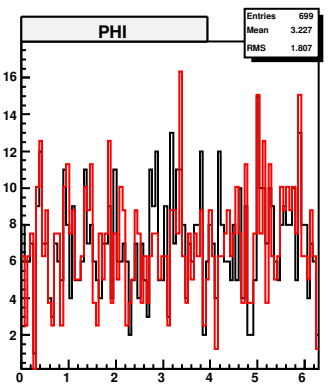


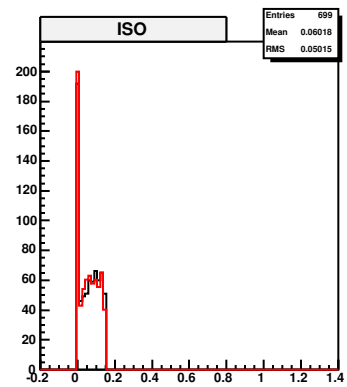
Electrons (SCONE All)

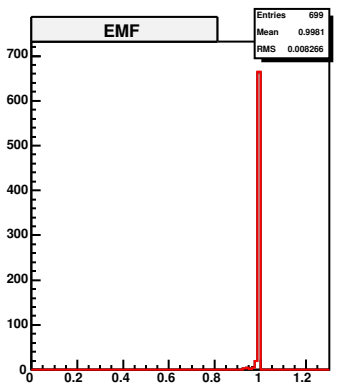


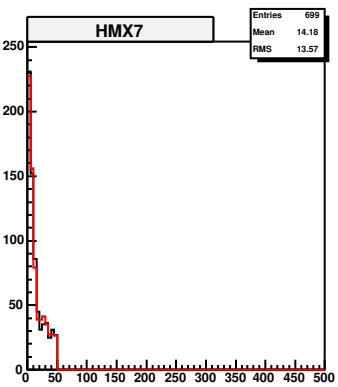


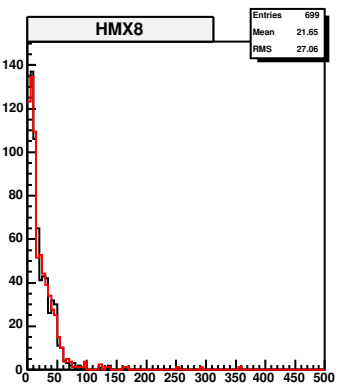


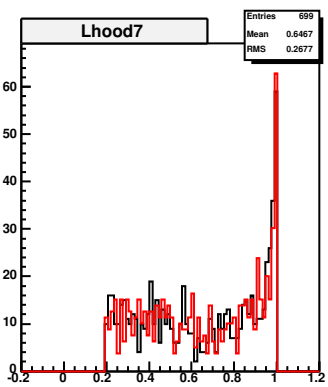


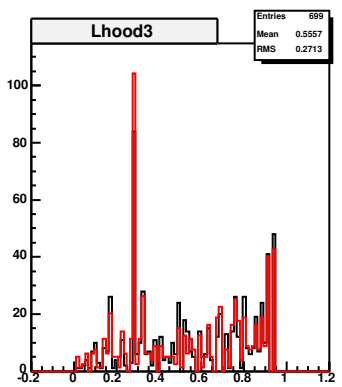


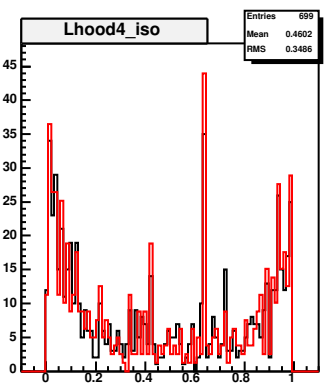


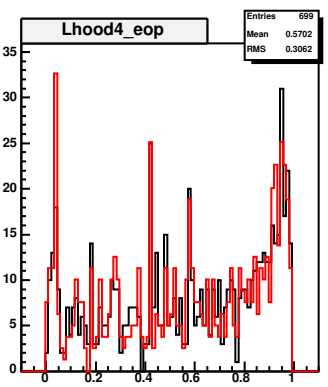


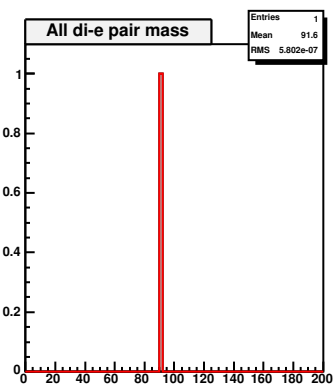


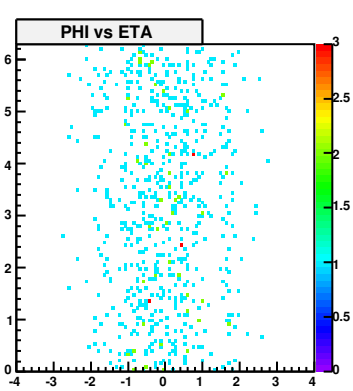


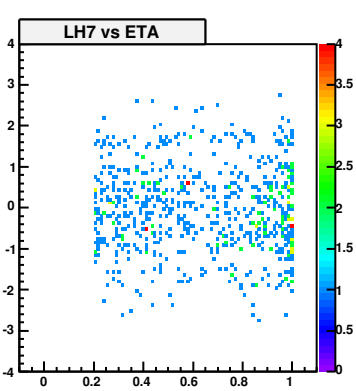


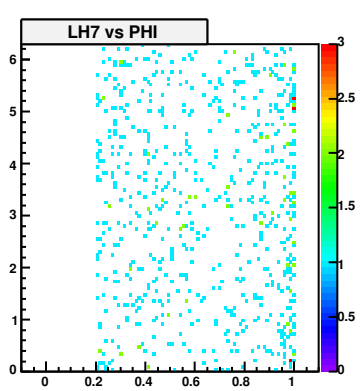




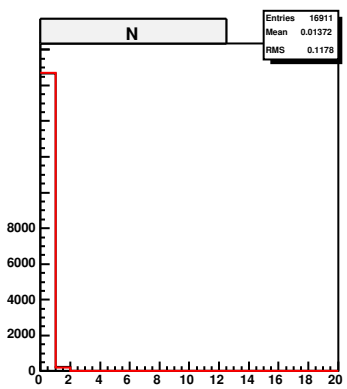


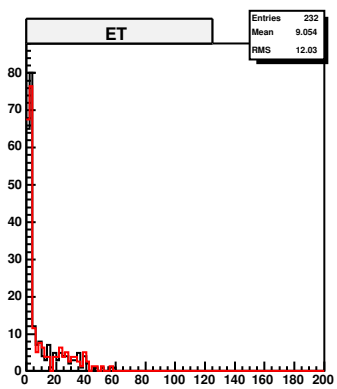


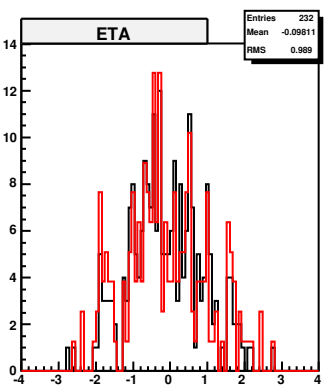


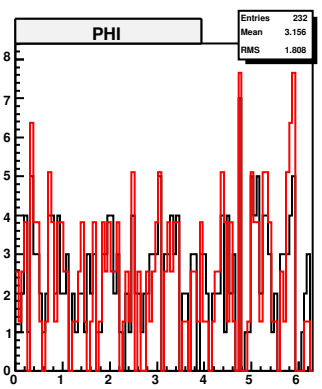


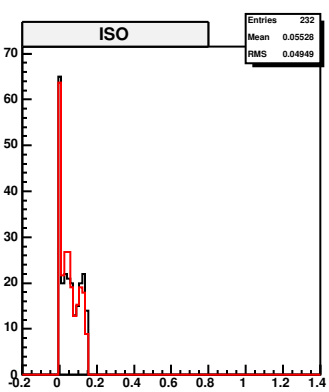
Electrons (SCONE Loose)

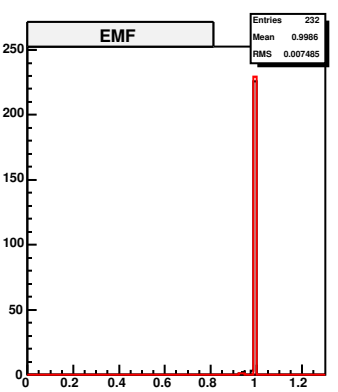


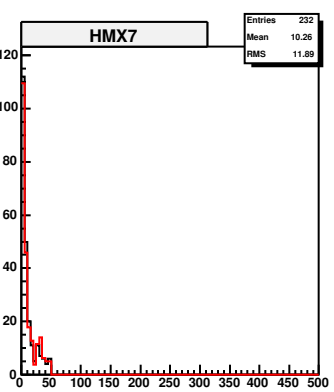


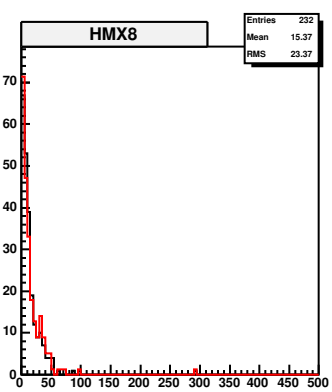


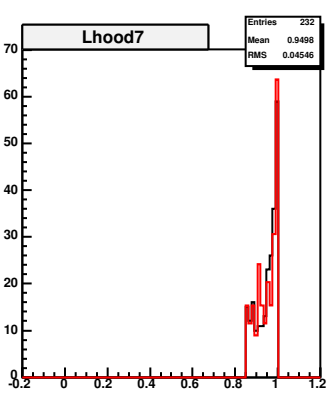


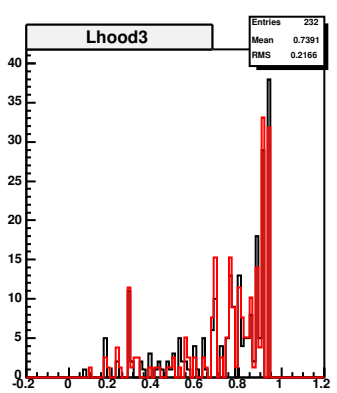


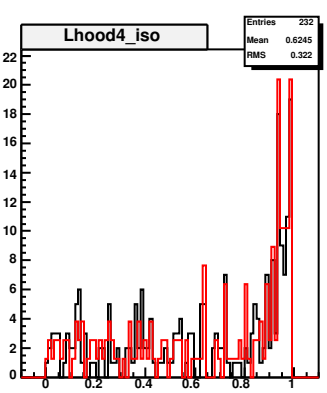


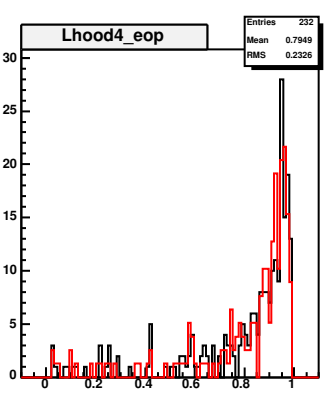


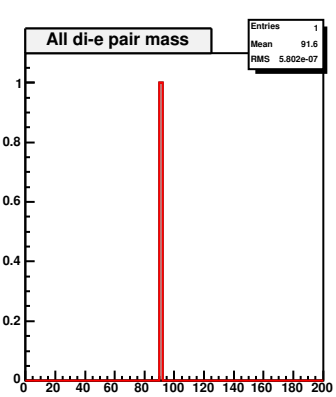


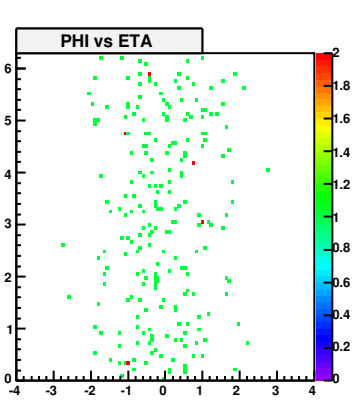


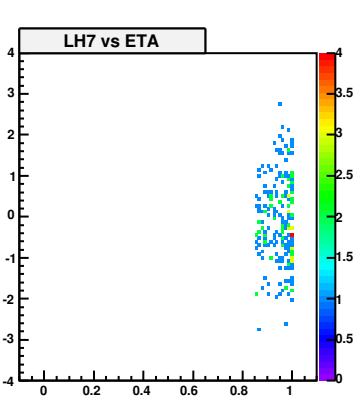


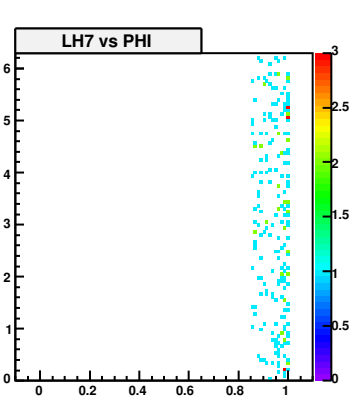




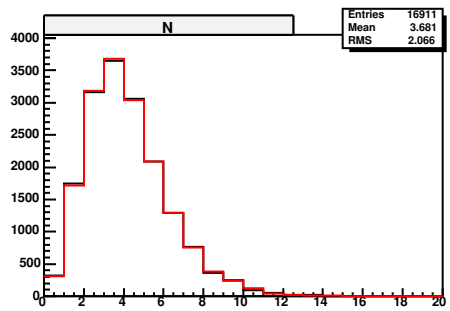


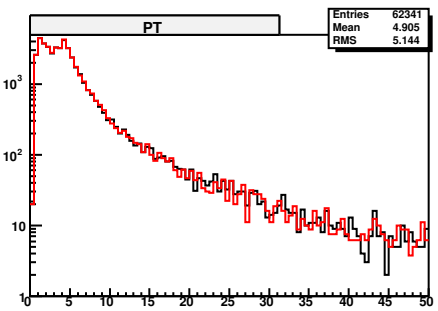


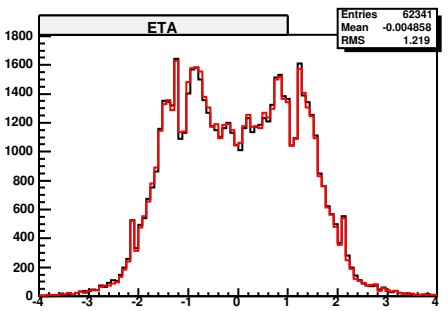


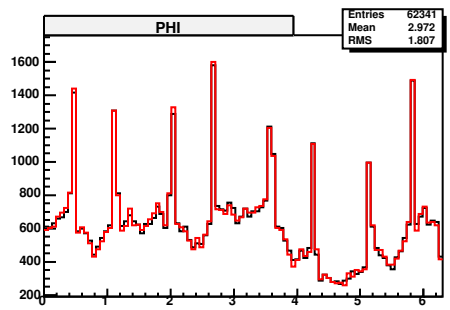


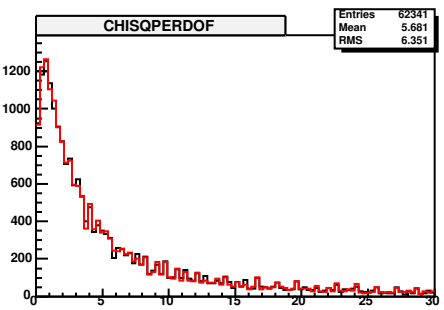
Electrons (SCONE Tight)

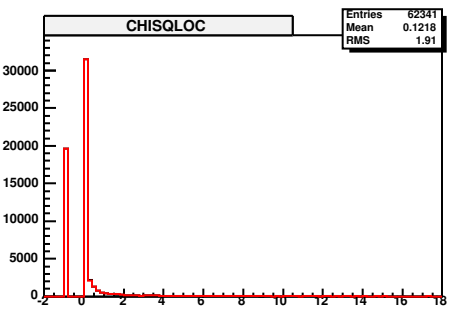

N
Entries 16911
Mean 3.681
RMS 2.066

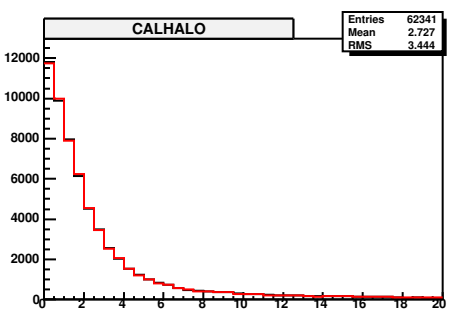

PT
Entries 62341
Mean 4.905
RMS 5.144

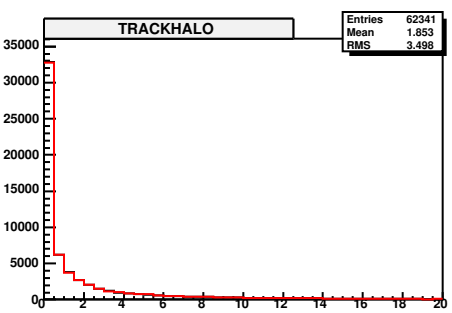

ETA
Entries 62341
Mean -0.004858
RMS 1.219

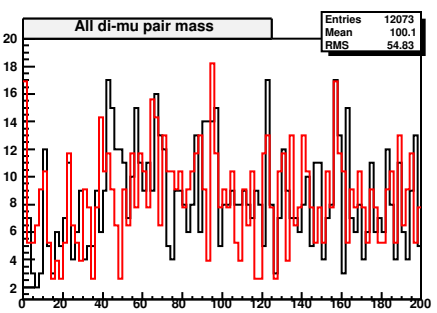

PHI
Entries 62341
Mean 2.972
RMS 1.807

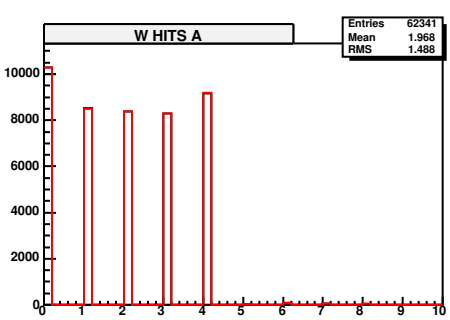

CHISQPERDOF
Entries 62341
Mean 5.681
RMS 6.351

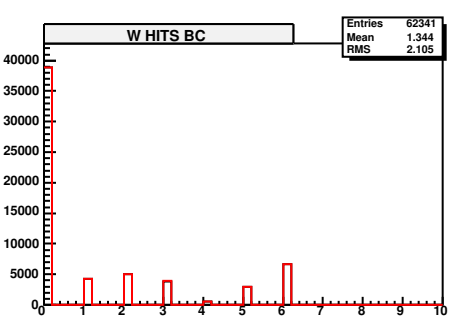

CHISQLOC
Entries 62341
Mean 0.1218
RMS 1.91

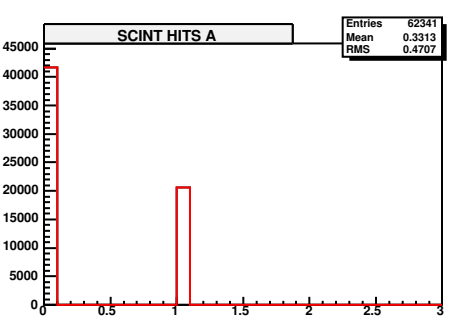

CALHALO
Entries 62341
Mean 2.727
RMS 3.444

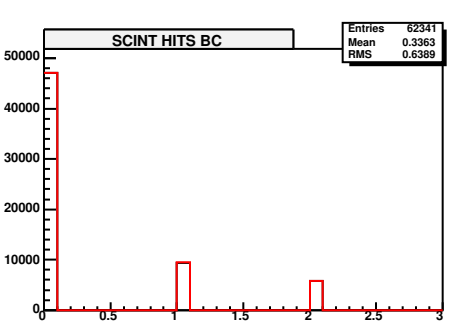

TRACKHALO
Entries 62341
Mean 1.853
RMS 3.498


All di-mu pair mass
Entries 12073
Mean 100.1
RMS 54.83

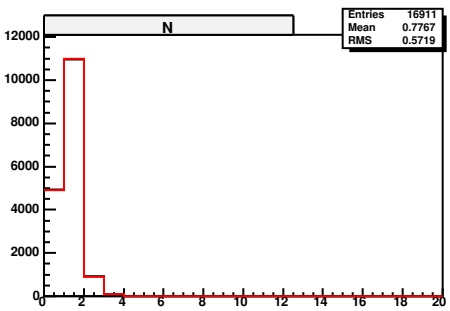

W HITS A
Entries 62341
Mean 1.968
RMS 1.488

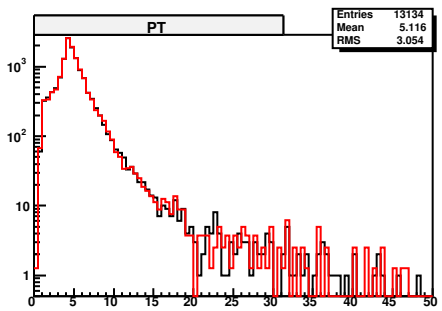

W HITS BC
Entries 62341
Mean 1.344
RMS 2.105

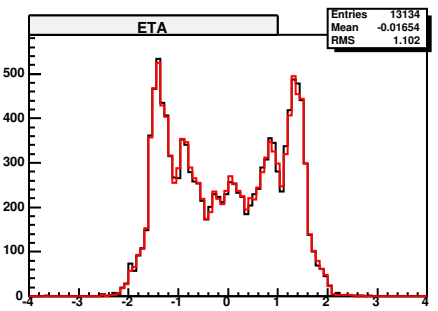

SCINT HITS A
Entries 62341
Mean 0.3313
RMS 0.4707

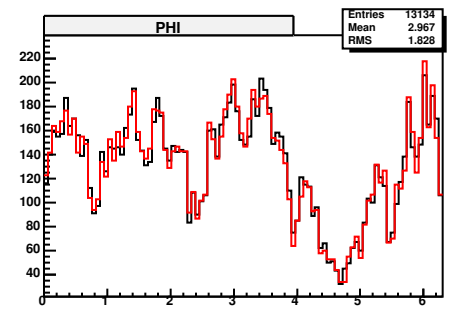

SCINT HITS BC
Entries 62341
Mean 0.3363
RMS 0.6389

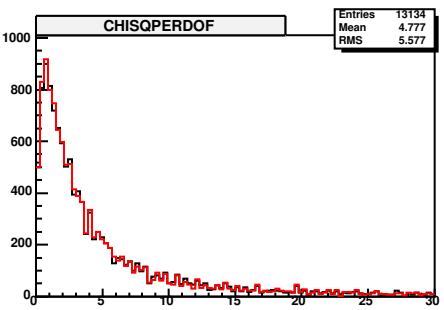
Muons (All)

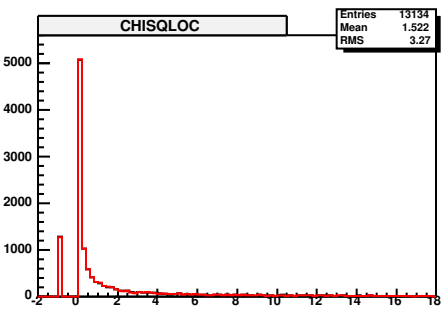


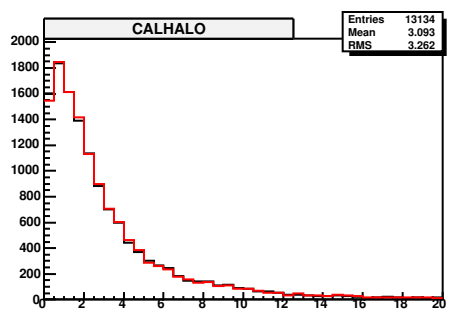


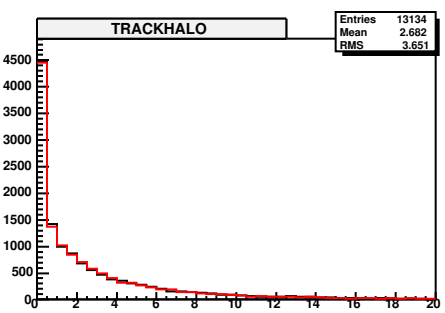


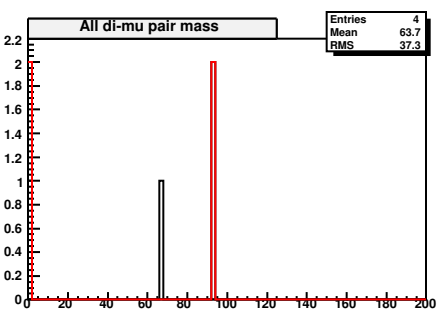


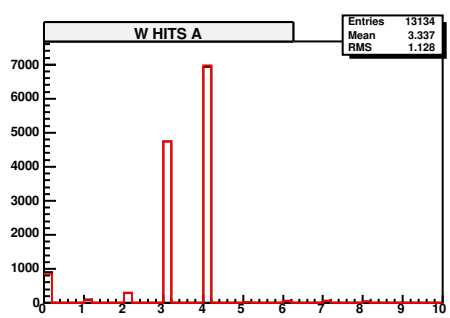


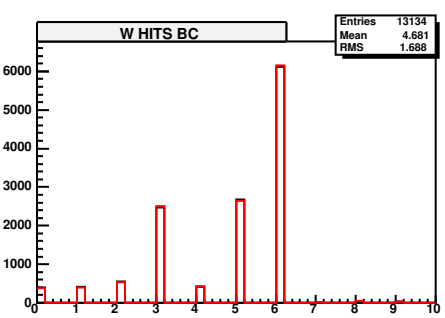


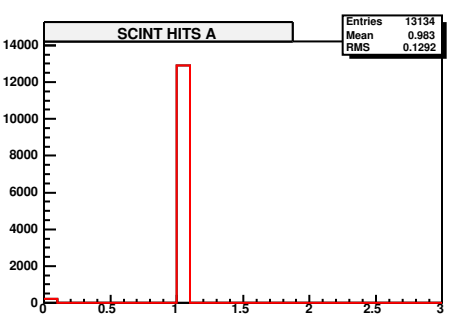


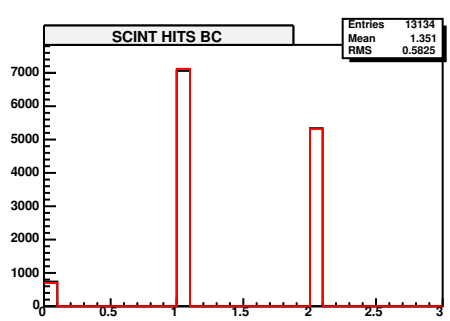




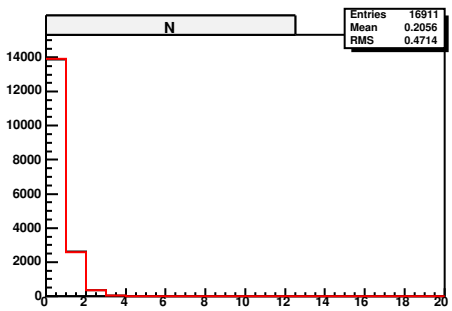


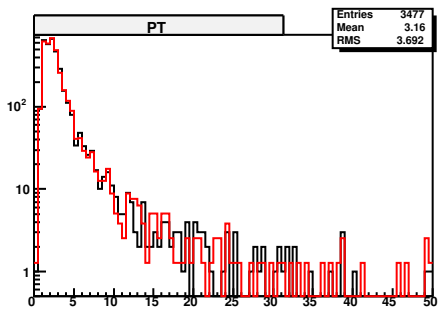


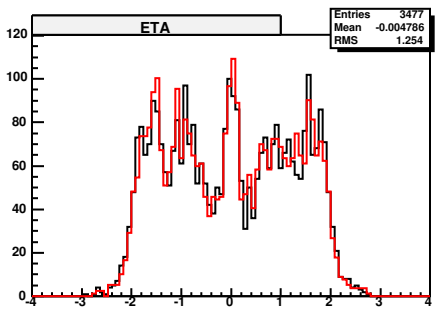


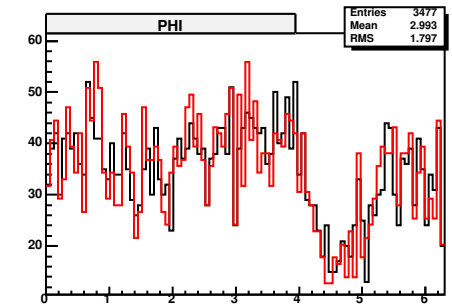


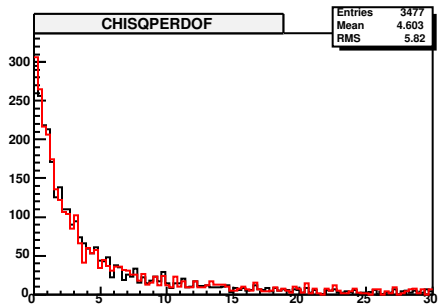
Muons (Matched)

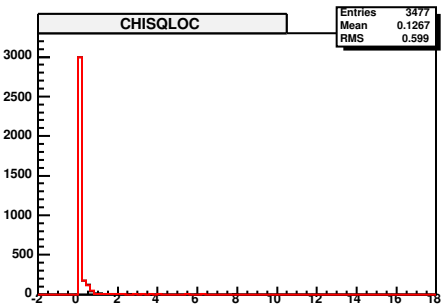

N
Entries 16911
Mean 0.2056
RMS 0.4714

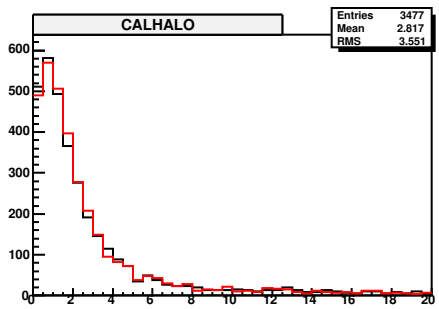

PT
Entries 3477
Mean 3.16
RMS 3.692

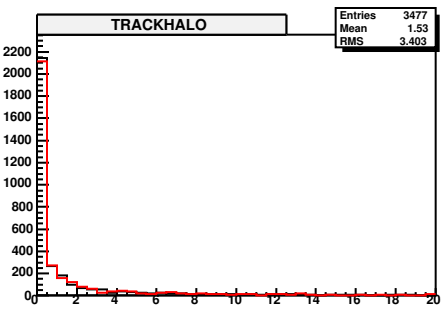

ETA
Entries 3477
Mean -0.004786
RMS 1.254

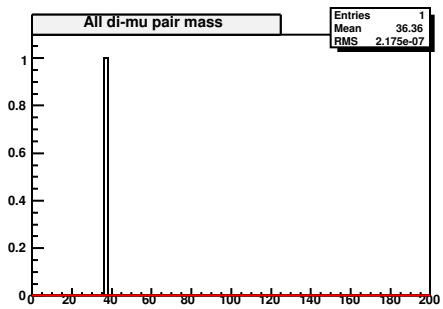

PHI
Entries 3477
Mean 2.993
RMS 1.797

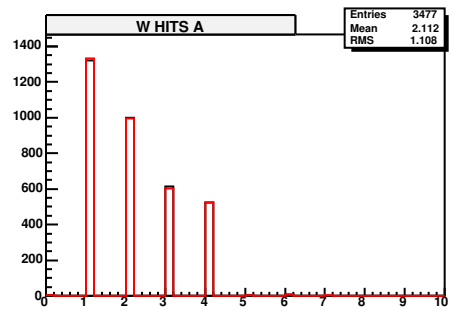

CHISQPERDOF
Entries 3477
Mean 4.603
RMS 5.82

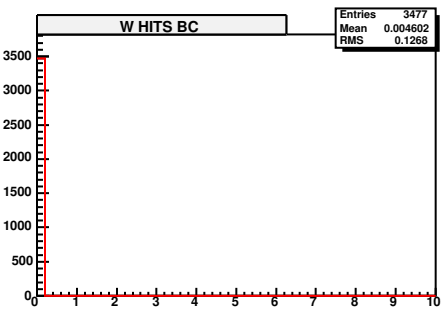

CHISQLOC
Entries 3477
Mean 0.1267
RMS 0.599

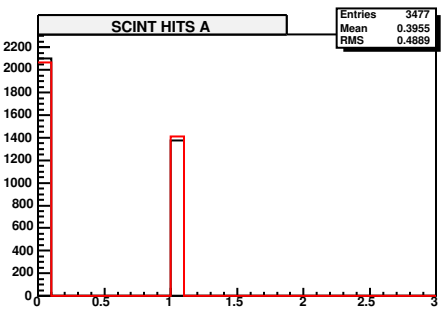

CALHALO
Entries 3477
Mean 2.817
RMS 3.551

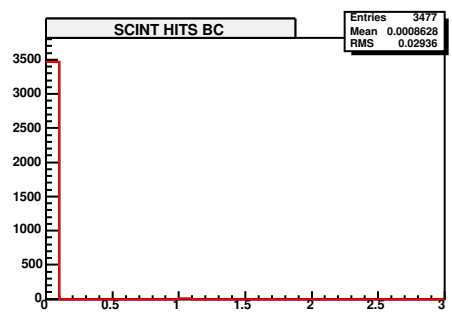

TRACKHALO
Entries 3477
Mean 1.53
RMS 3.403


All di-mu pair mass
Entries 1
Mean 36.36
RMS 2.175e-07

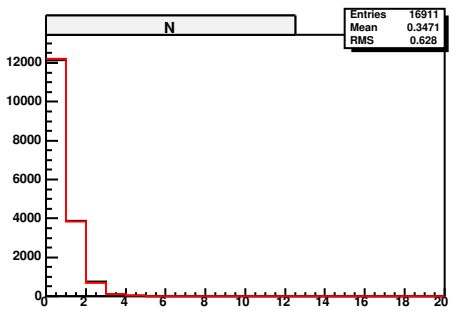

W HITS A
Entries 3477
Mean 2.112
RMS 1.108

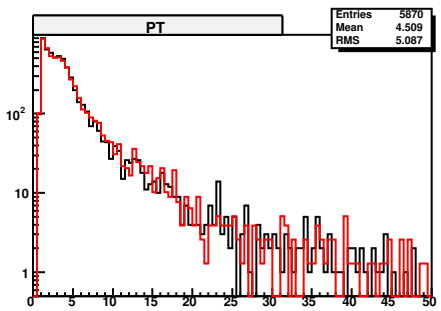

W HITS BC
Entries 3477
Mean 0.004602
RMS 0.1268

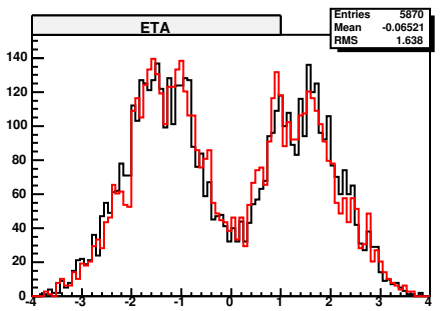

SCINT HITS A
Entries 3477
Mean 0.3955
RMS 0.4889

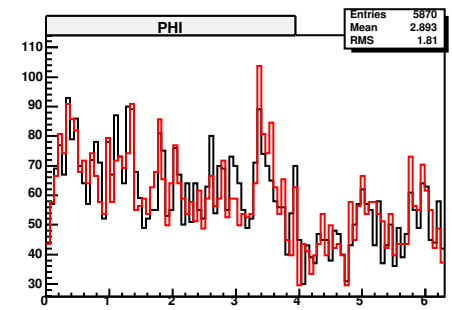

SCINT HITS BC
Entries 3477
Mean 0.0008628
RMS 0.02936

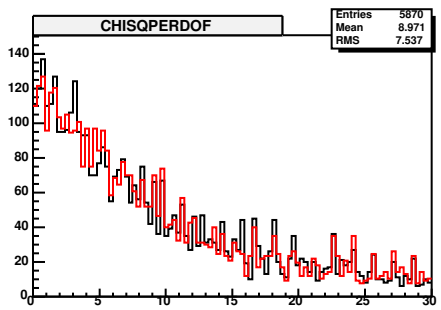
Muons (Astub)

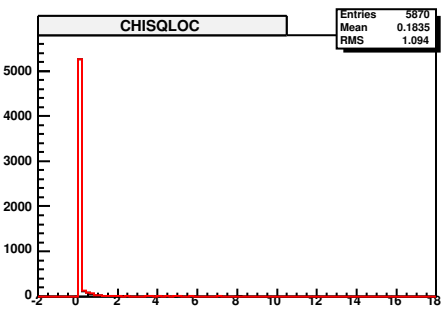


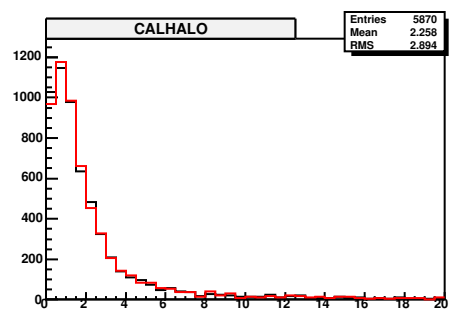


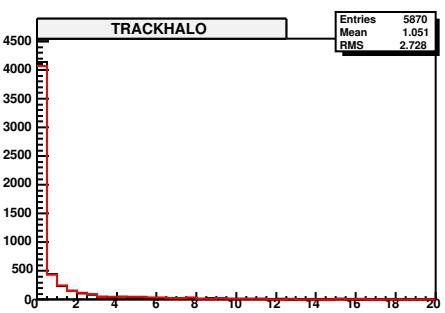


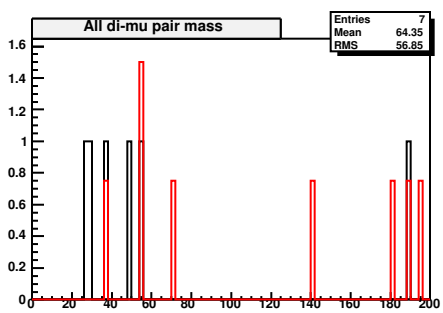


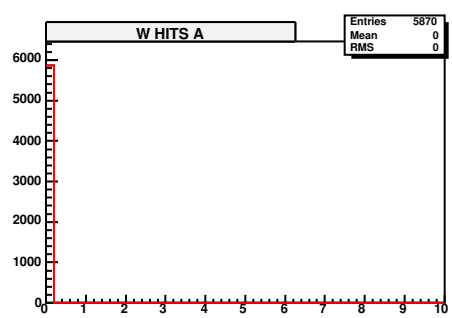


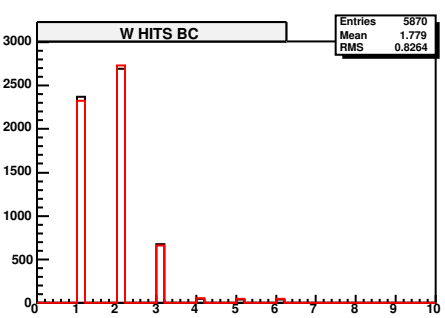


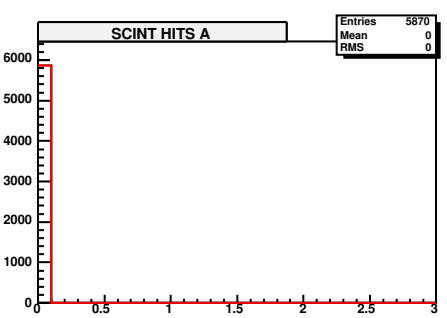


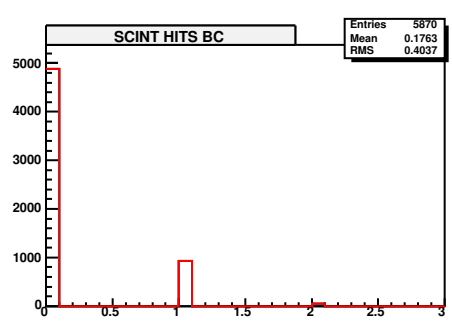




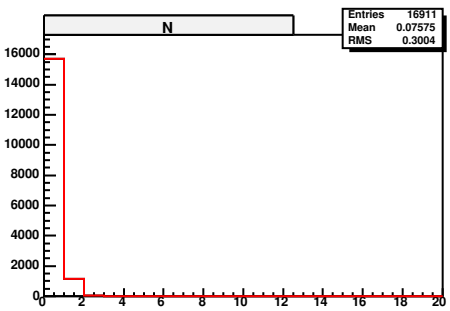


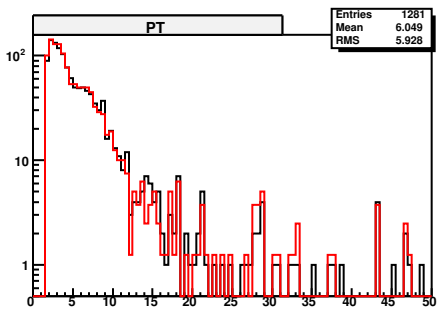


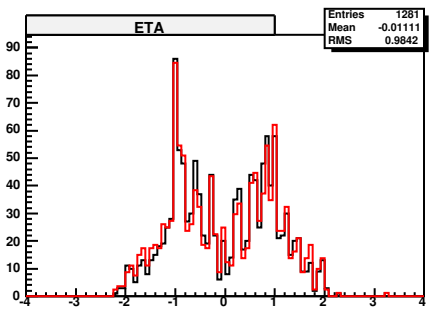


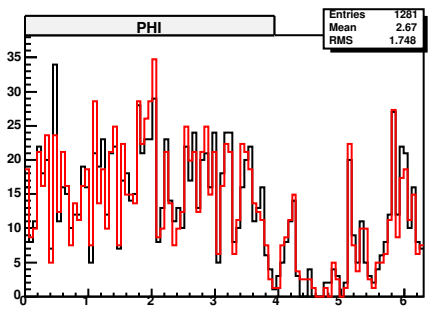


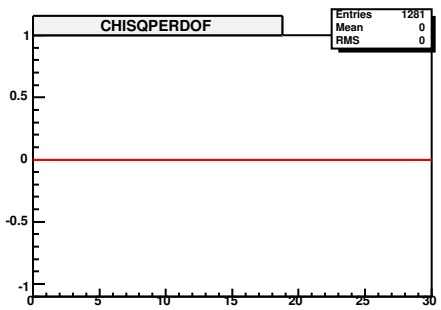
Muons (BCstub)

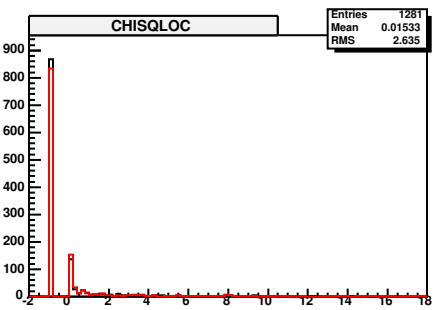


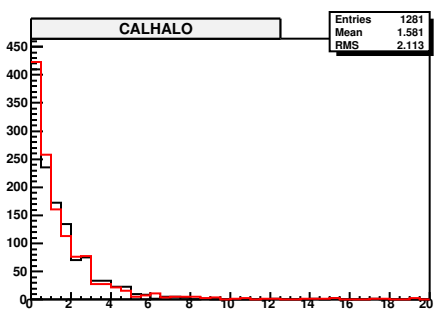


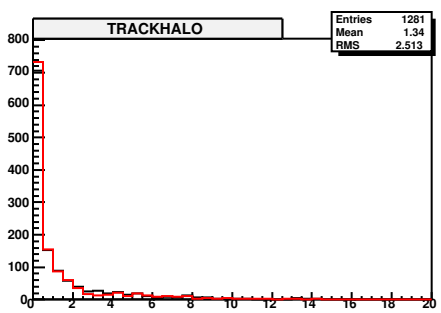


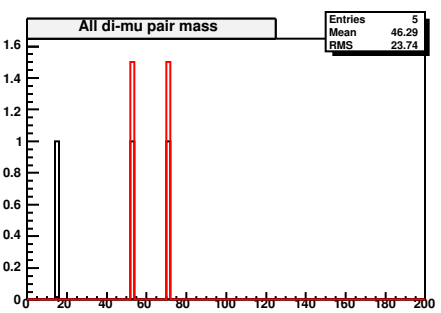


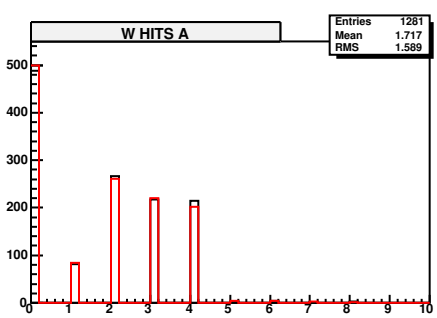


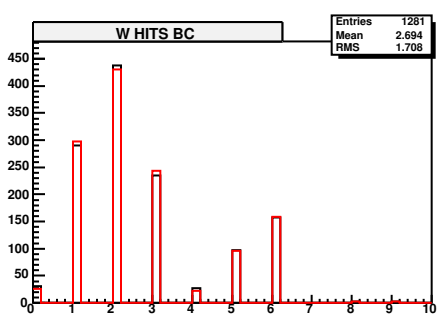


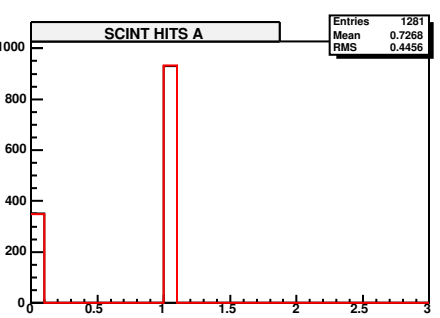


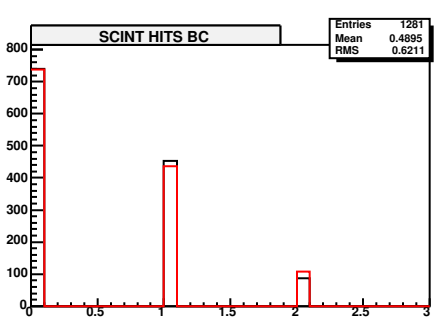




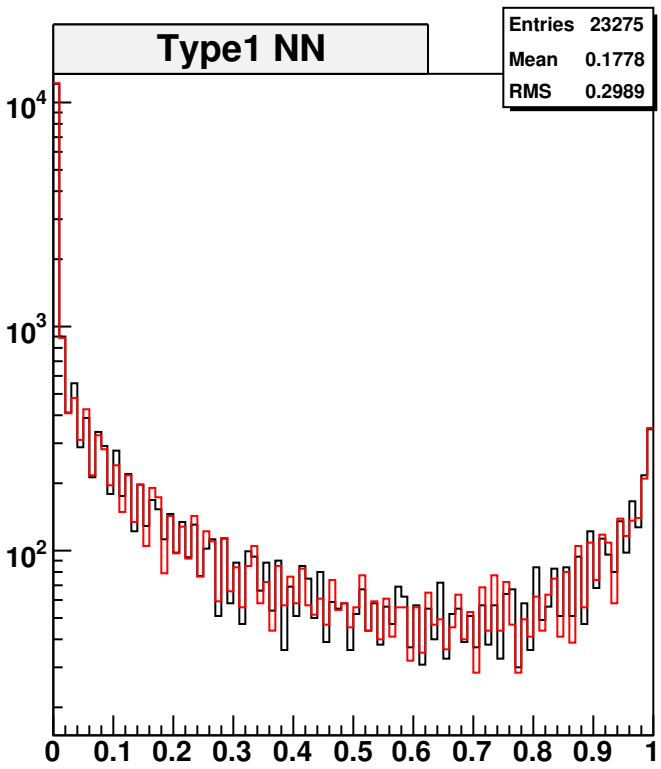


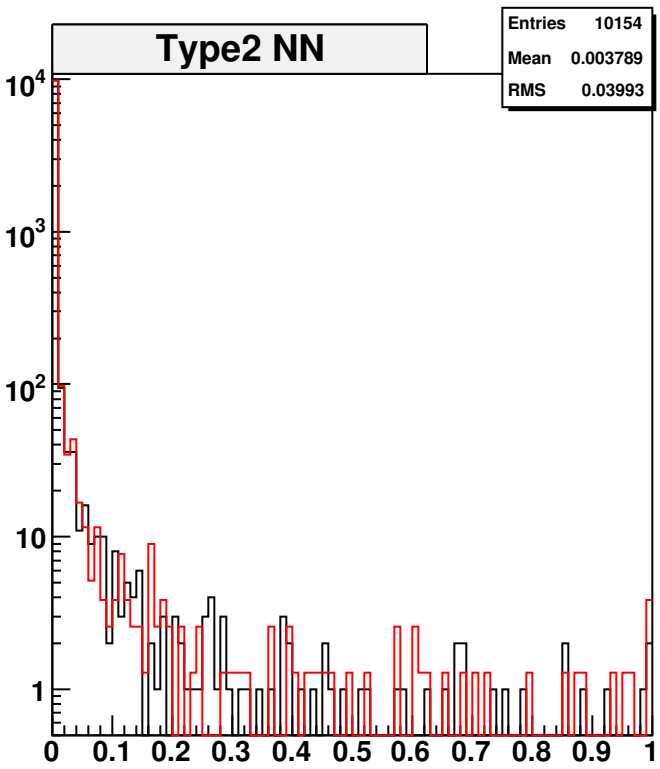


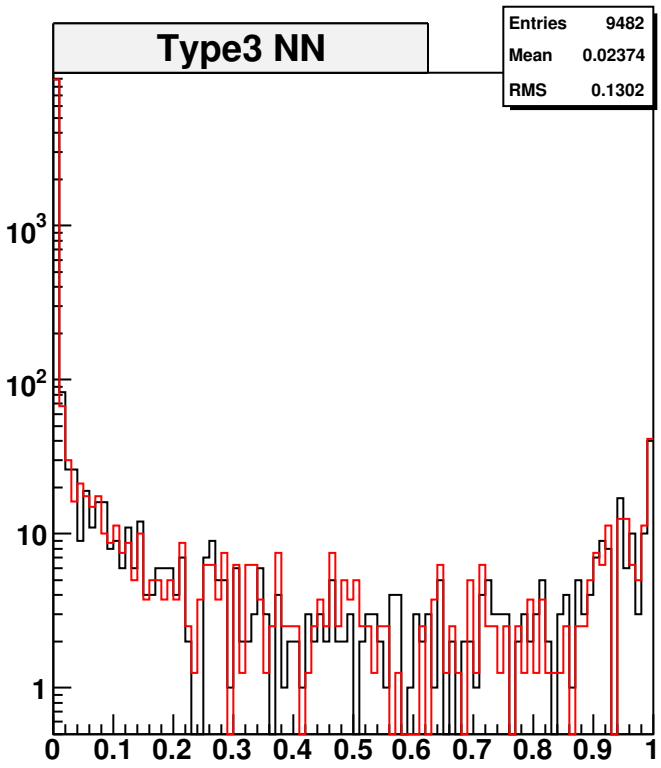


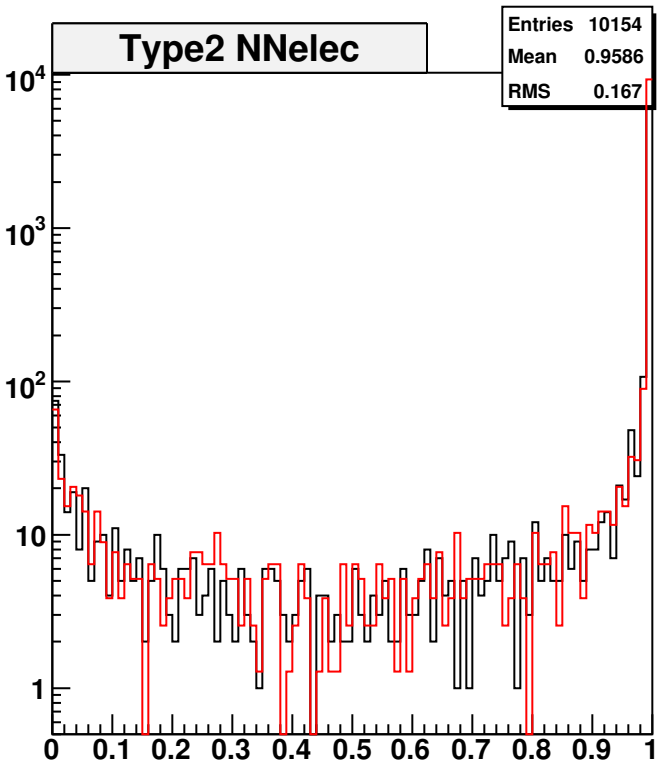


Muons (Unmatched)

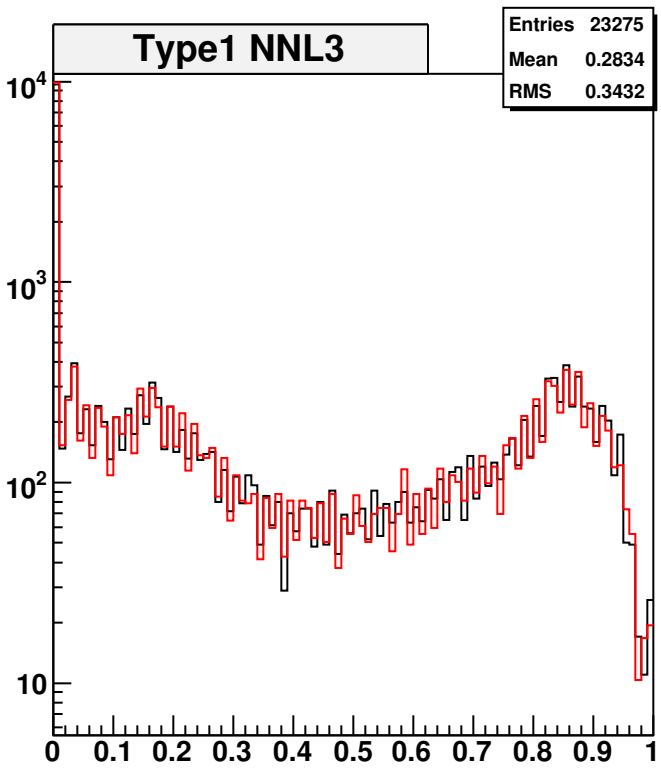


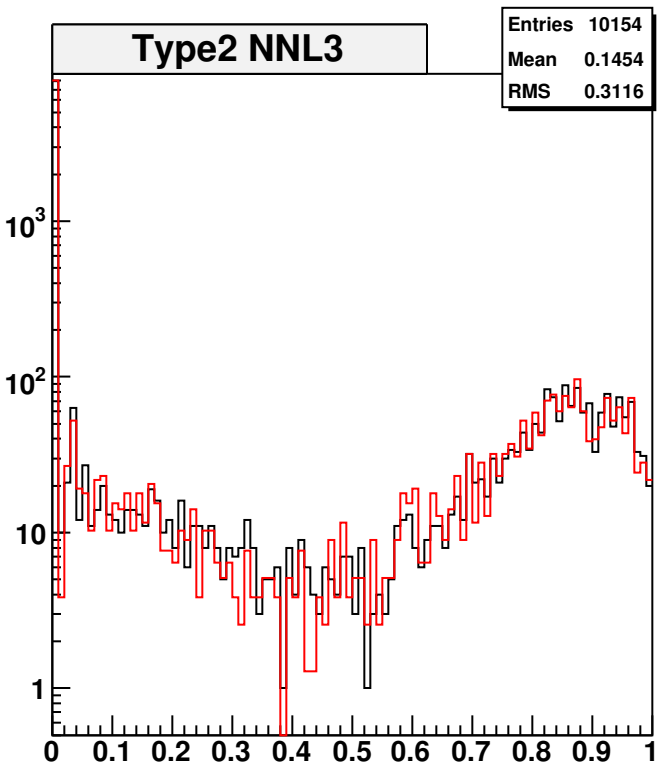


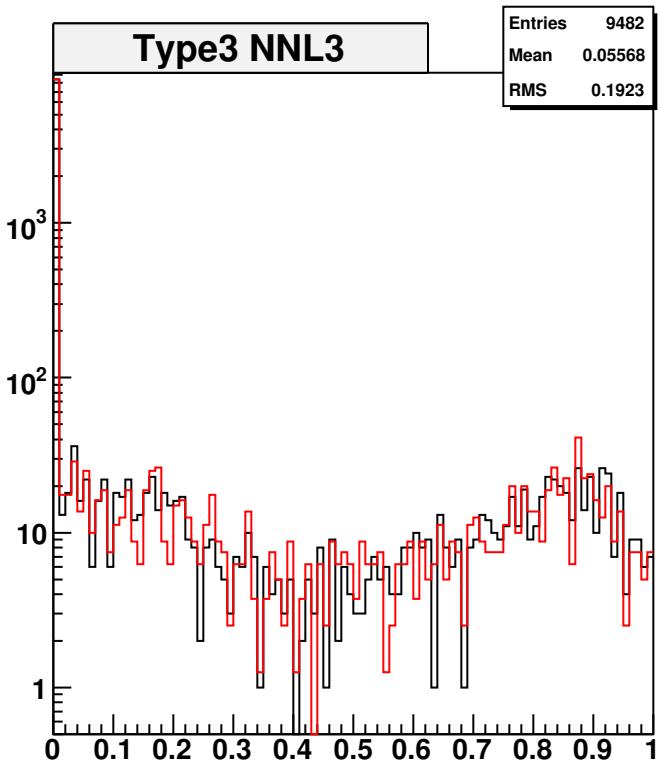


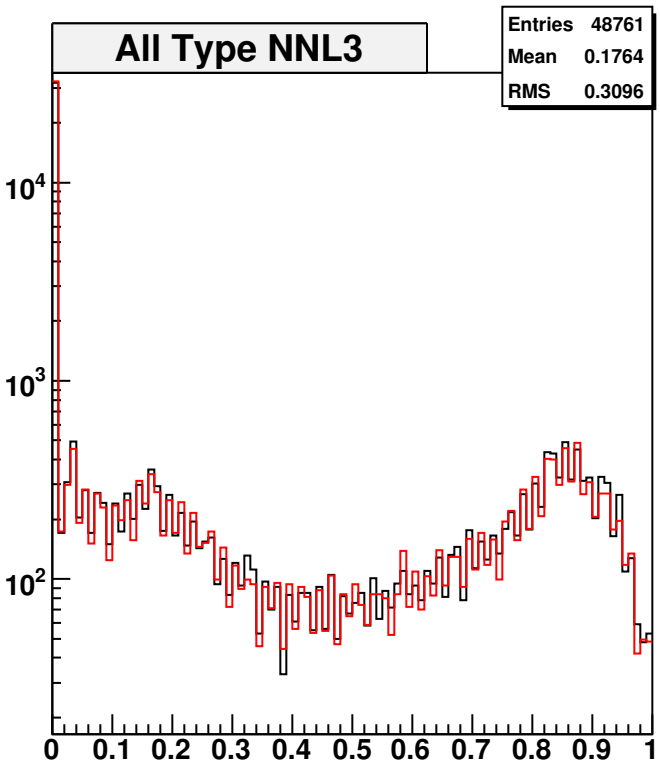


Taus NN (TAU All)

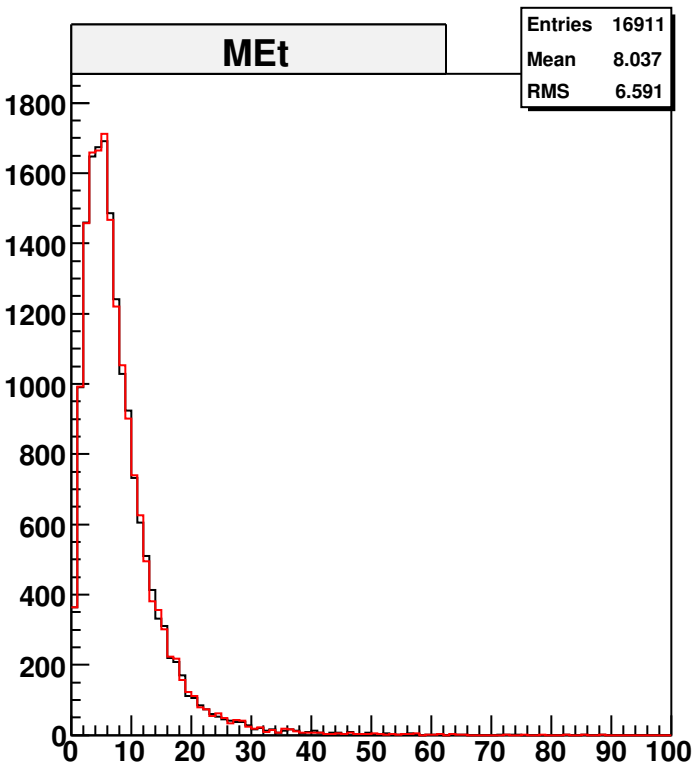








Taus NNL3 (TAU All)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1800
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1400
1200
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800
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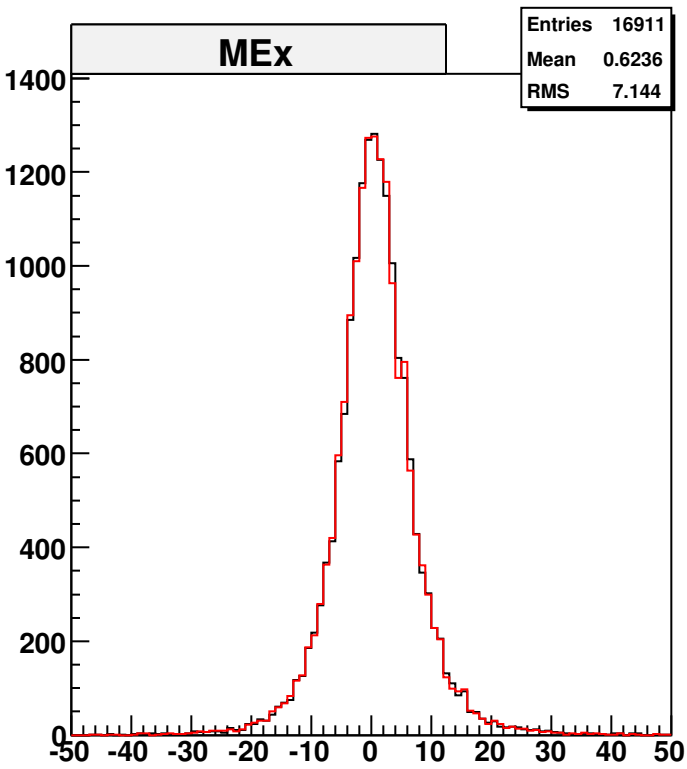
200
0
0 10 20 30 40 50 60 70 80 90 100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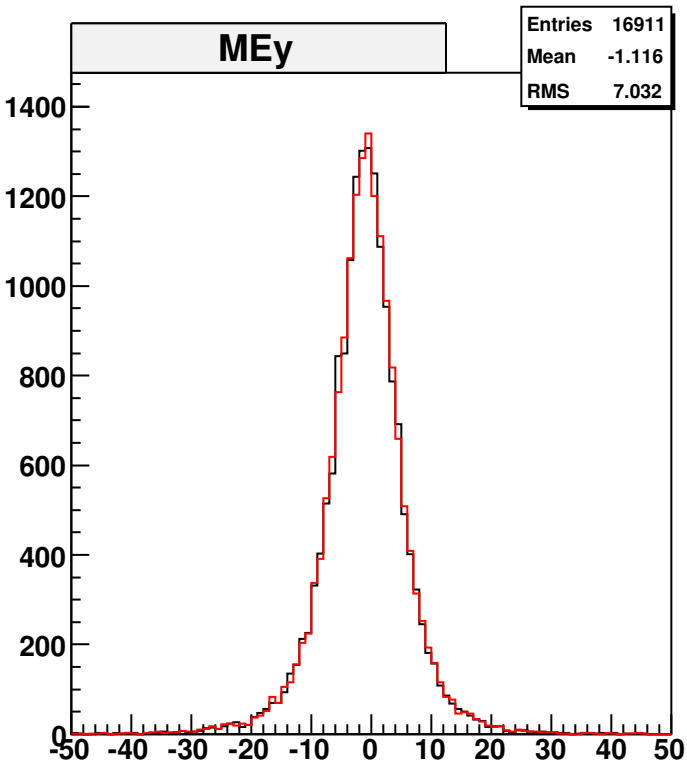
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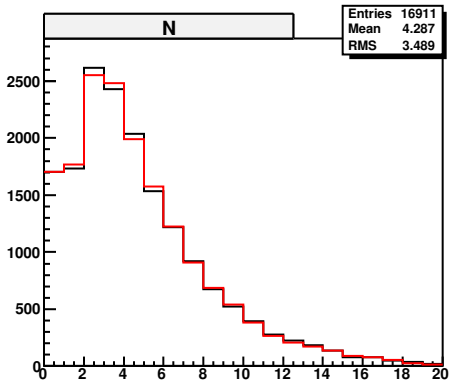
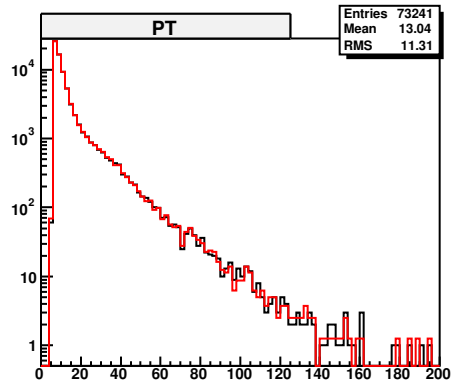
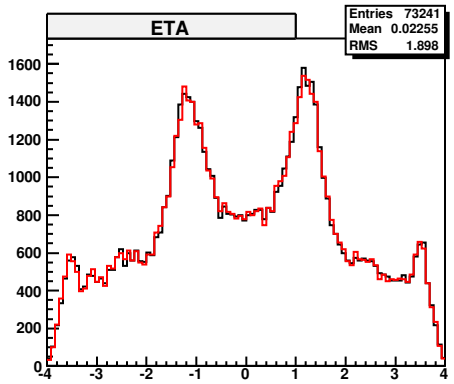
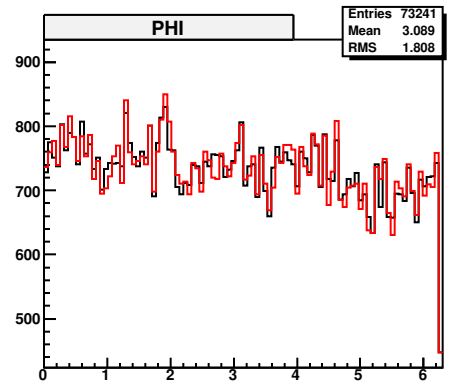
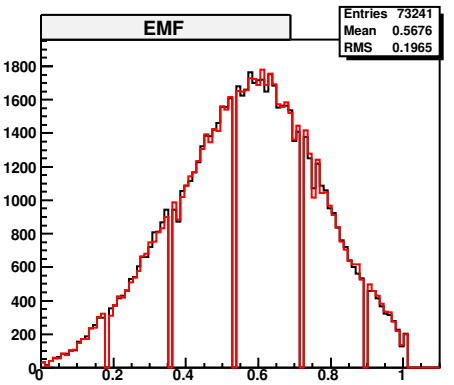
Met (No cuts)

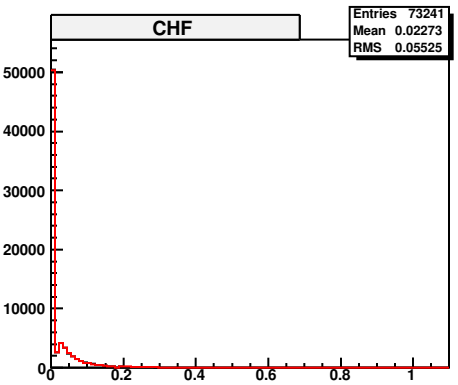


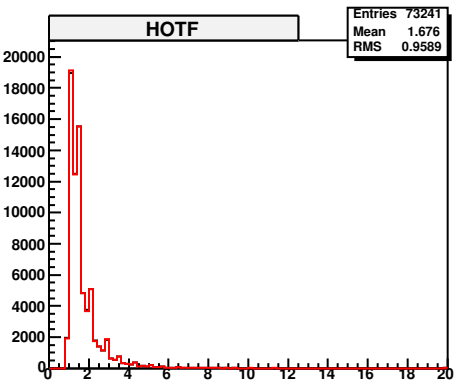


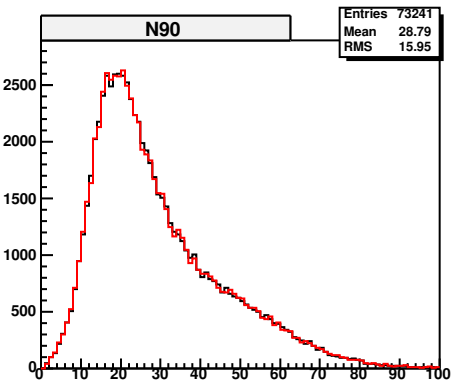


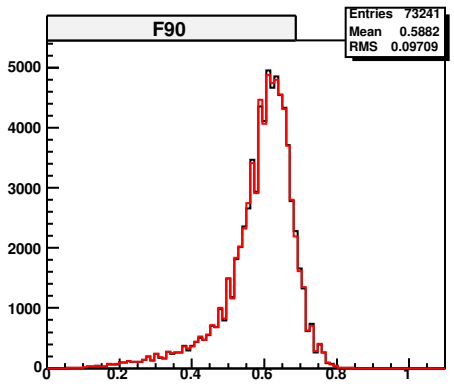


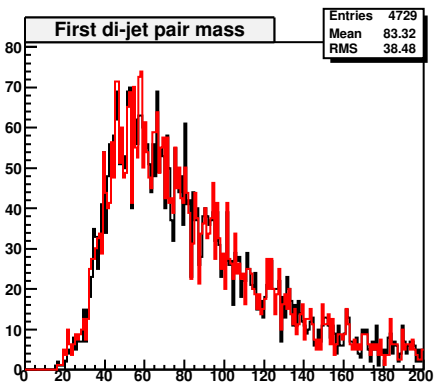


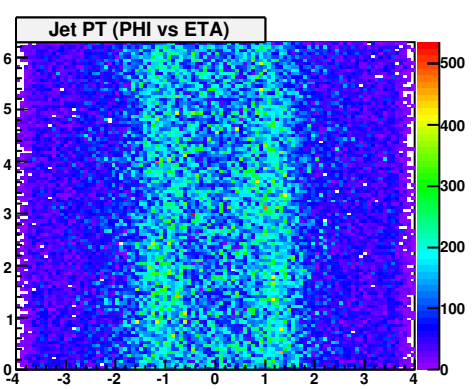




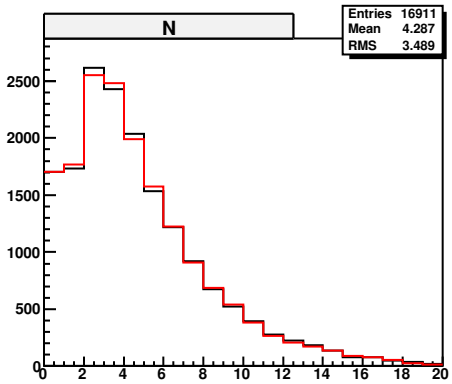


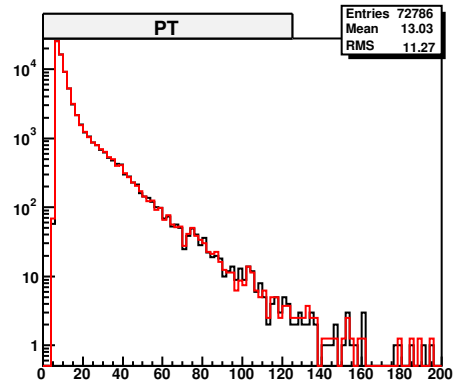


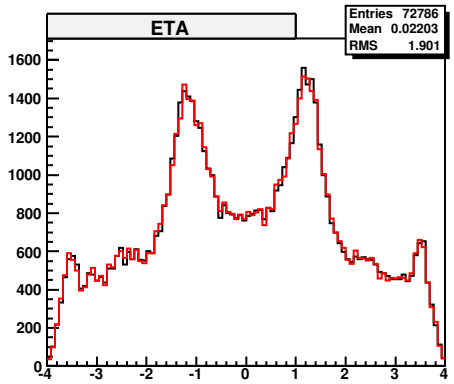


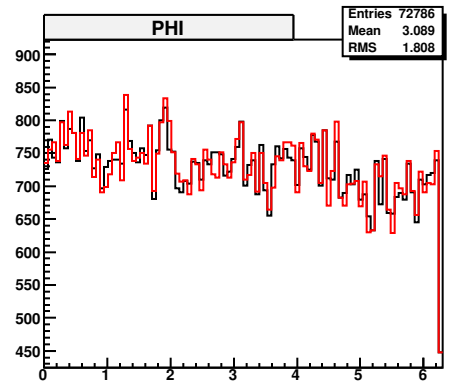


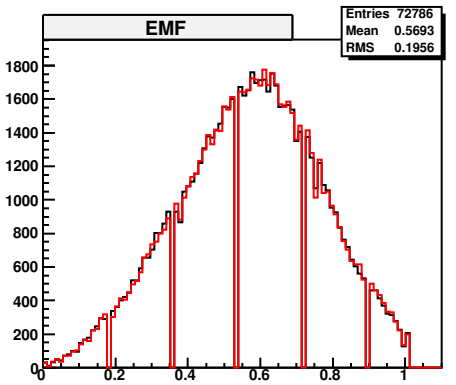
Jets (Cone R 0.7 (no cuts))

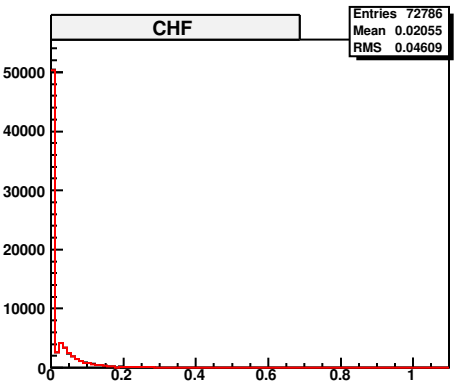


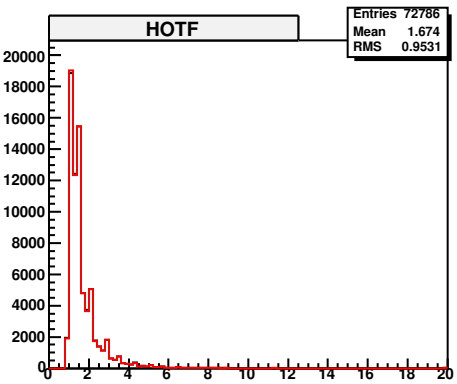


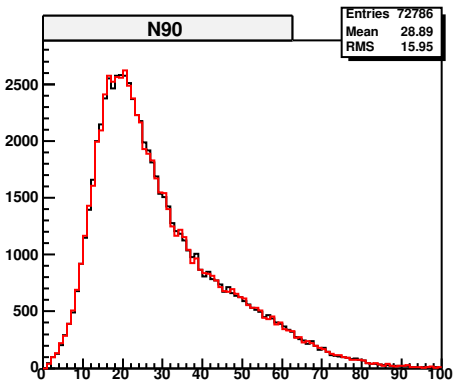


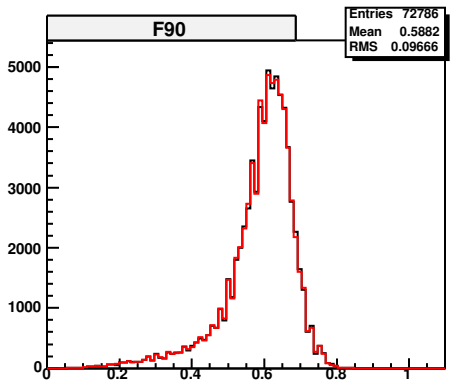


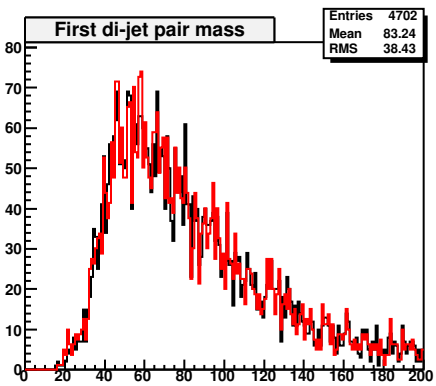


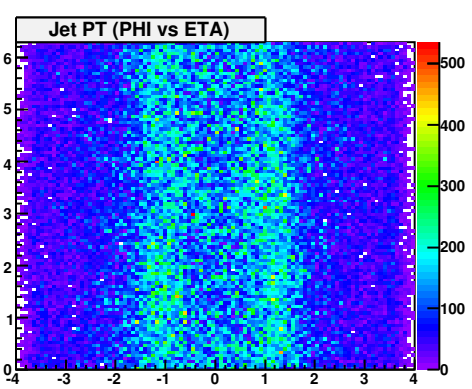




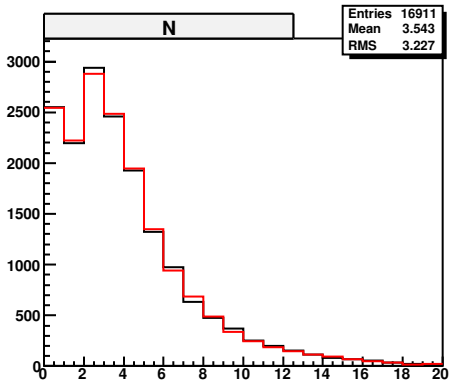


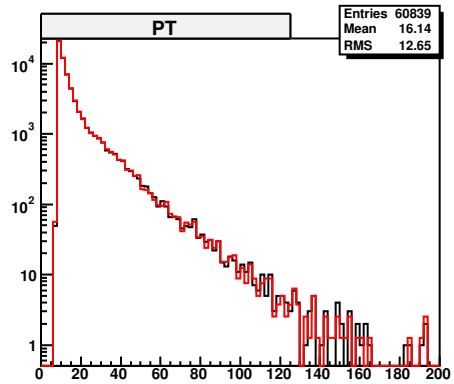


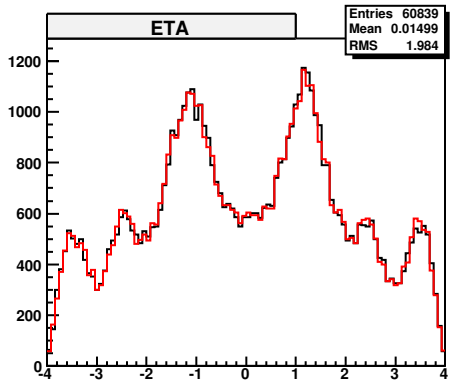


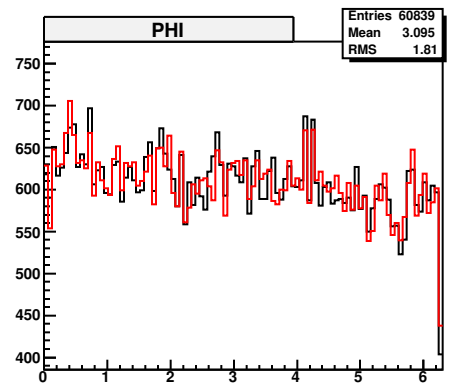


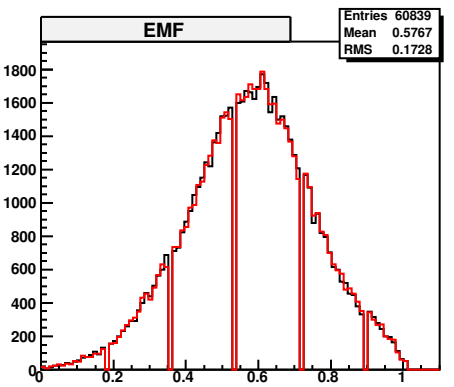
Jets (Cone R 0.7 (standard cuts))

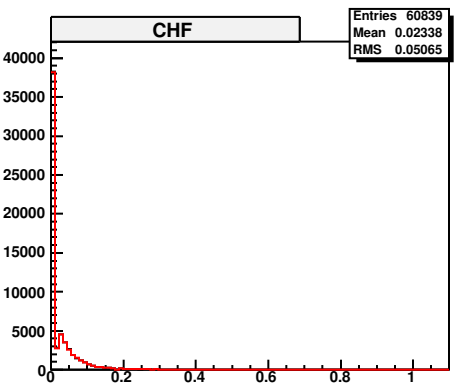


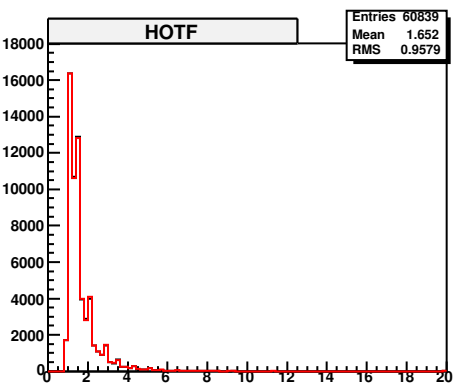


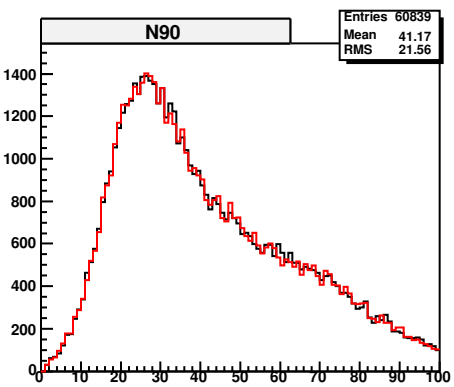


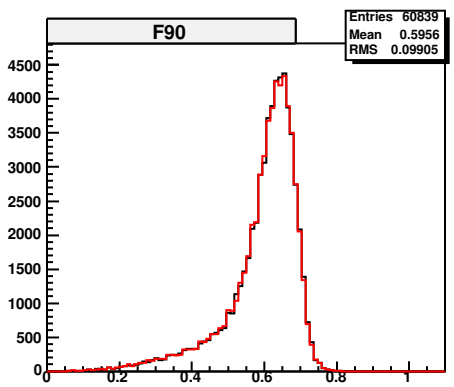


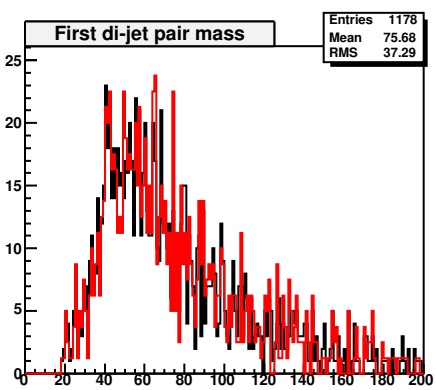


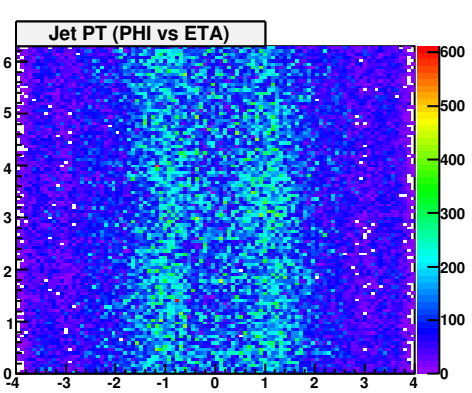




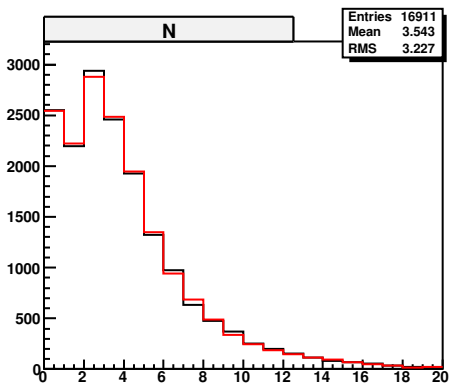


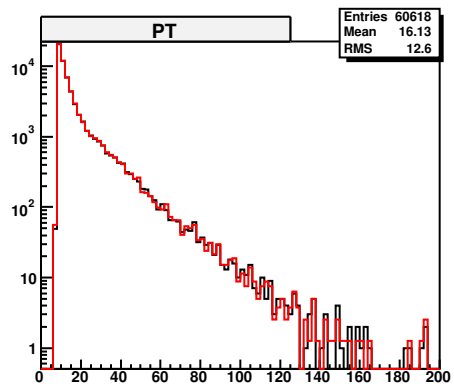


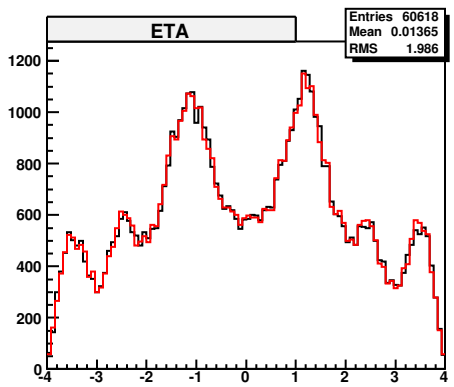


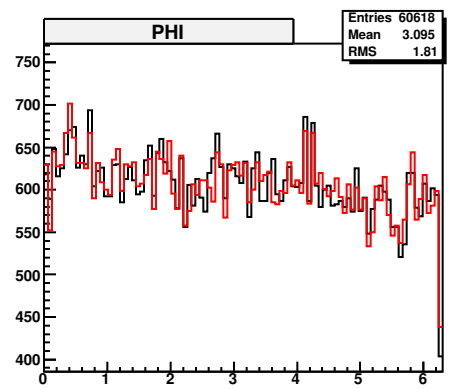


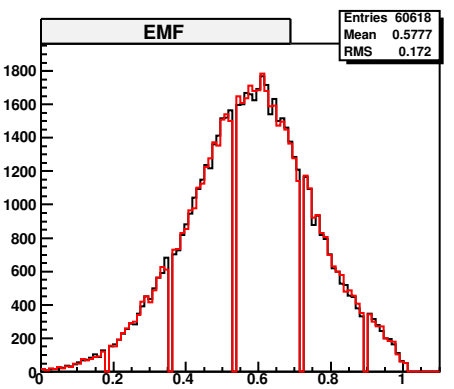
Jets (KT D 1 (no cuts))

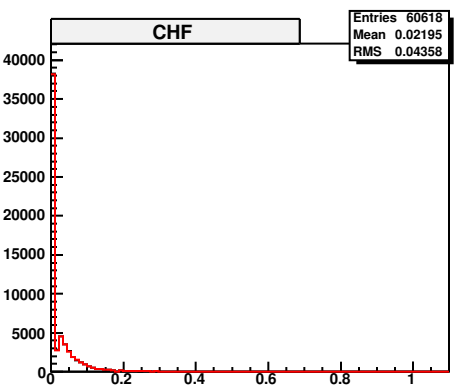


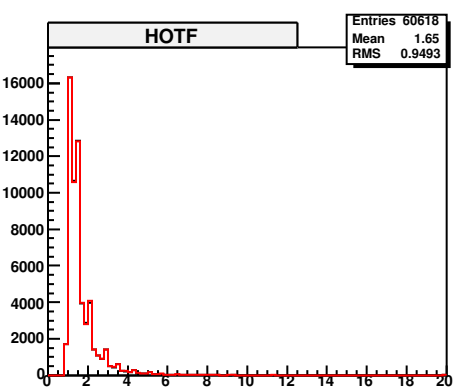


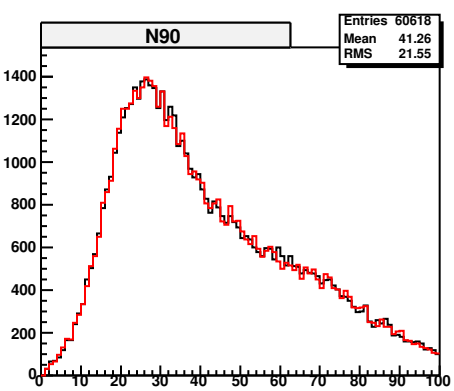


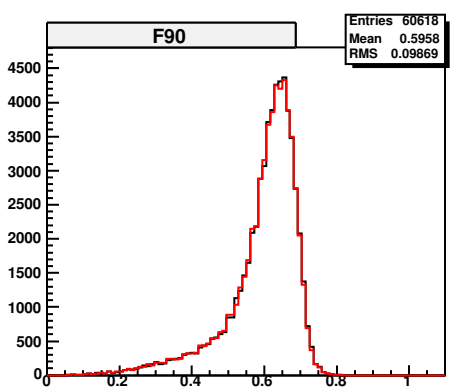


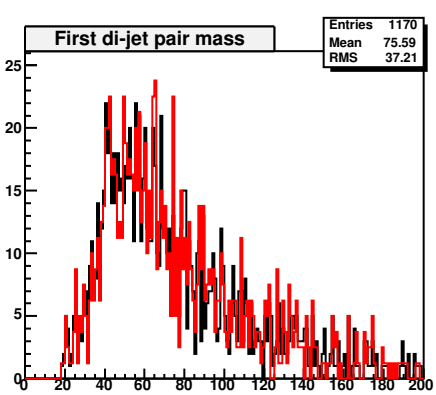


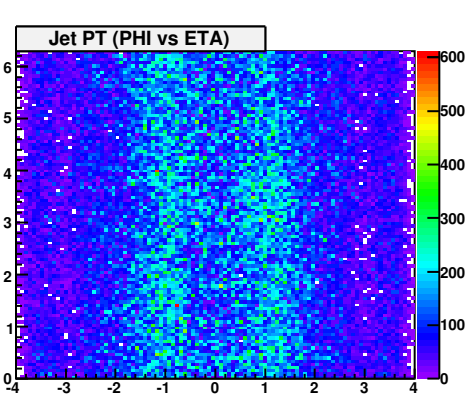




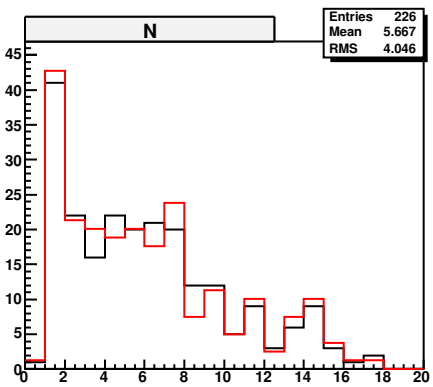


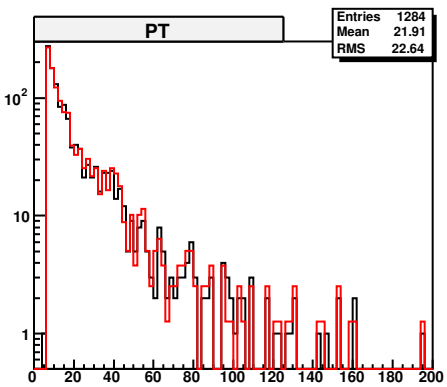


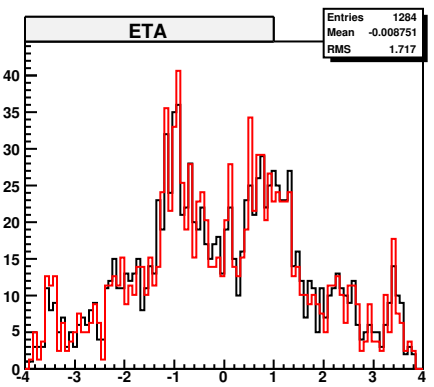


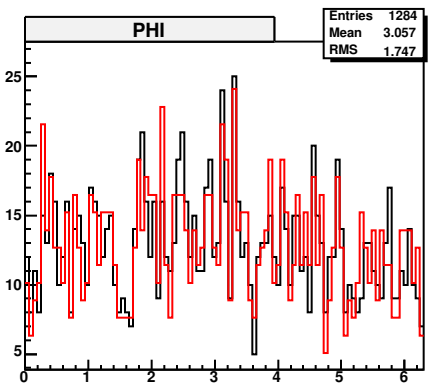


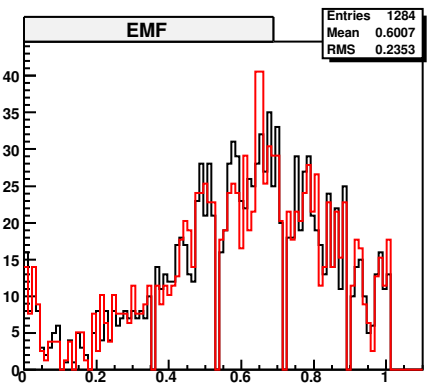
Jets (KT D 1 (standard cuts))

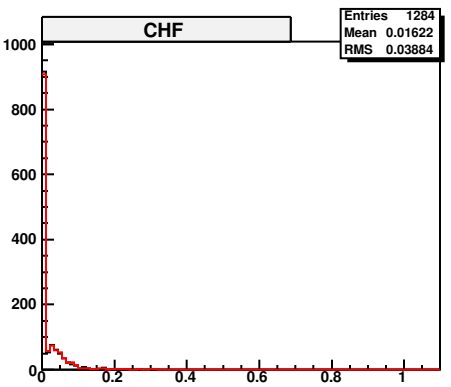


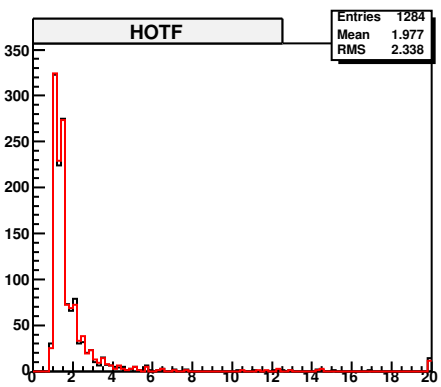


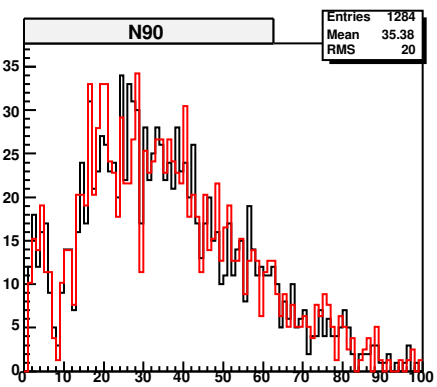


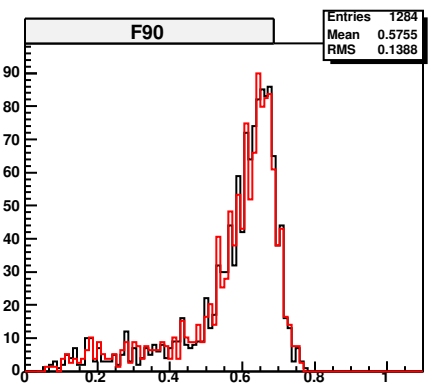


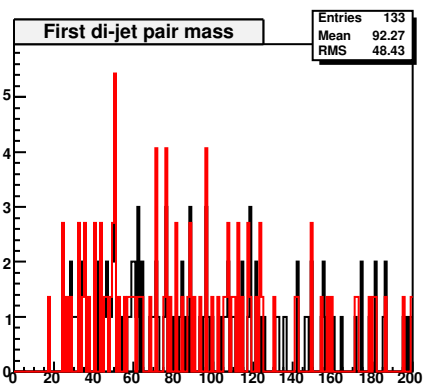


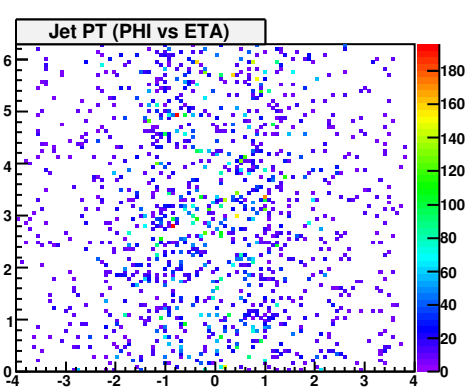




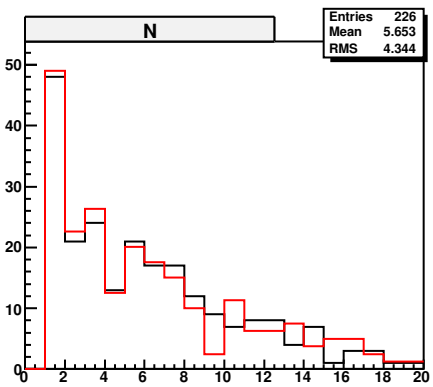


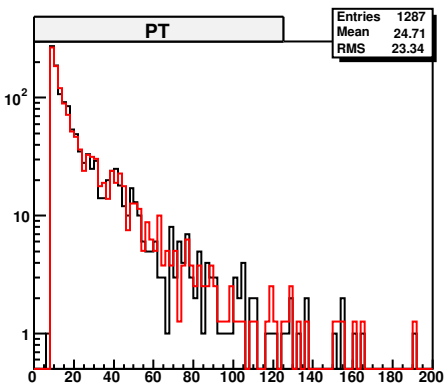


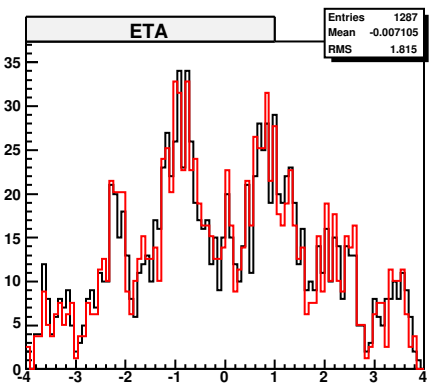


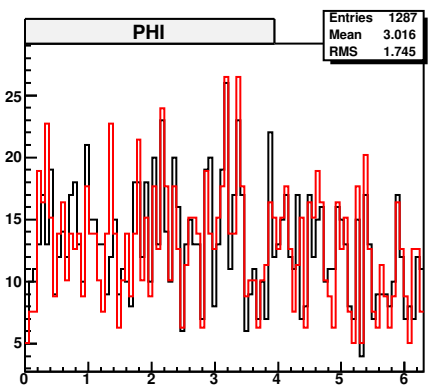


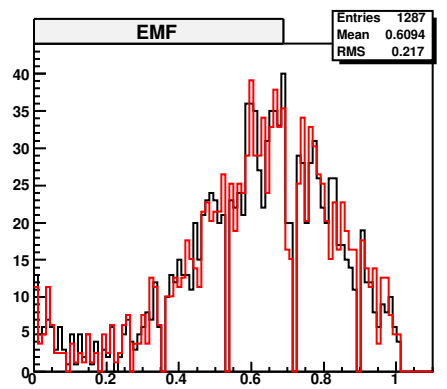
Jets (Cone R 0.7 (standard cuts, MET>30))

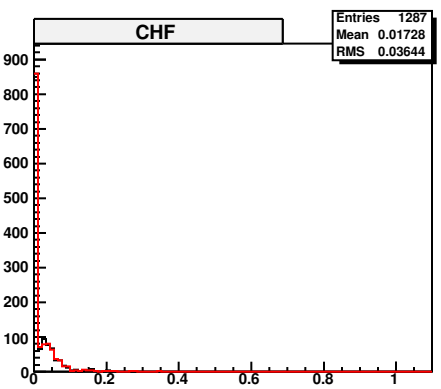


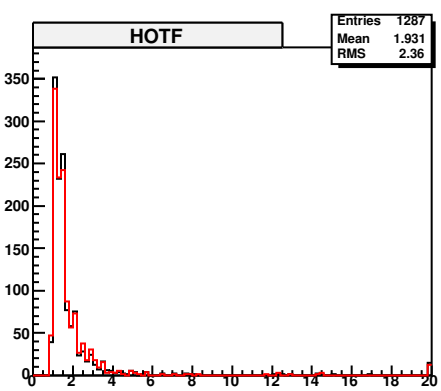


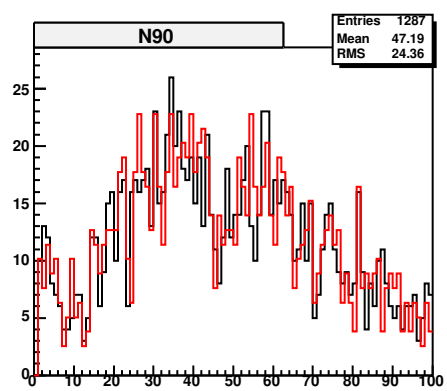


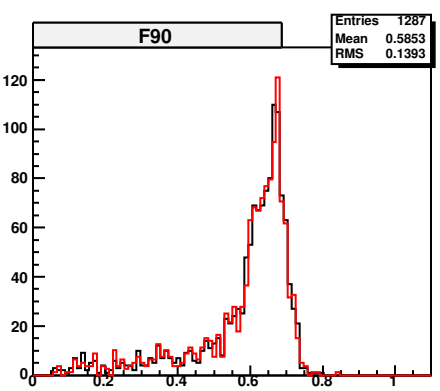


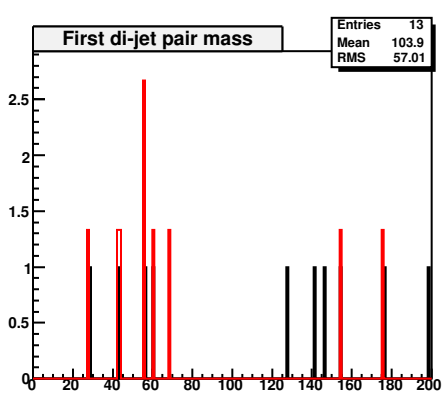


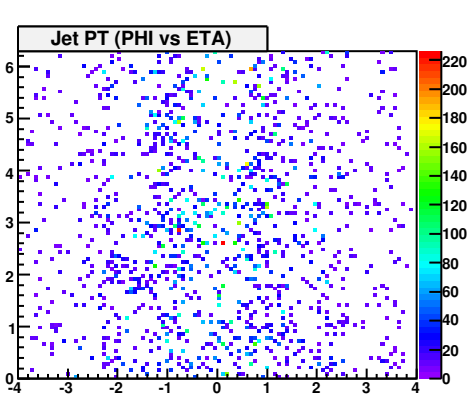




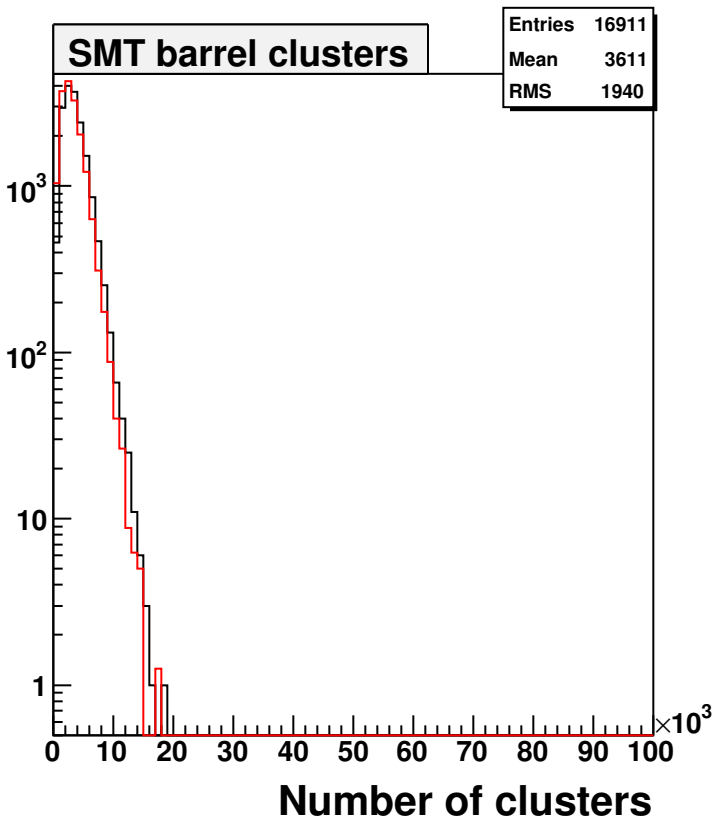


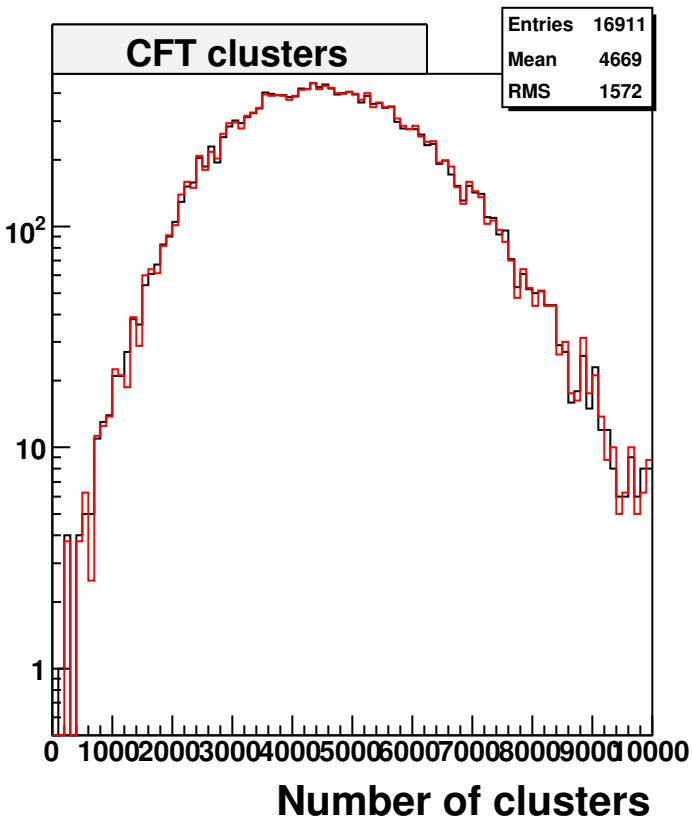


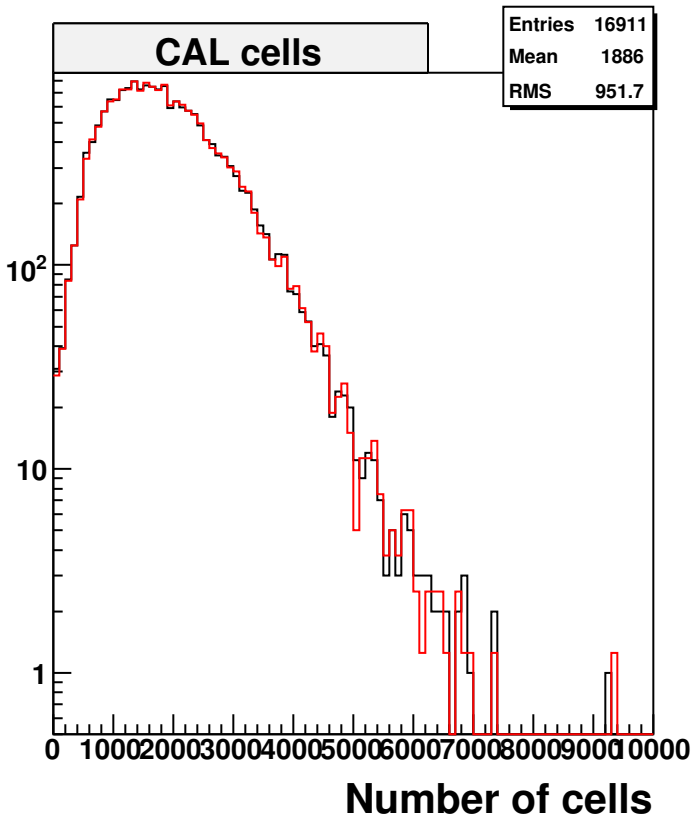


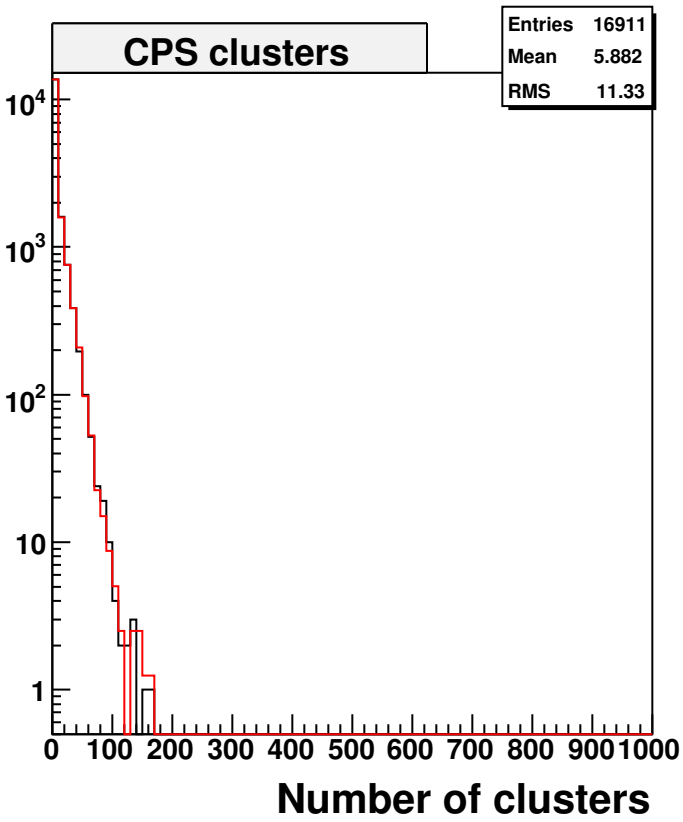


Jets (KT D 1 (standard cuts, MET>30))

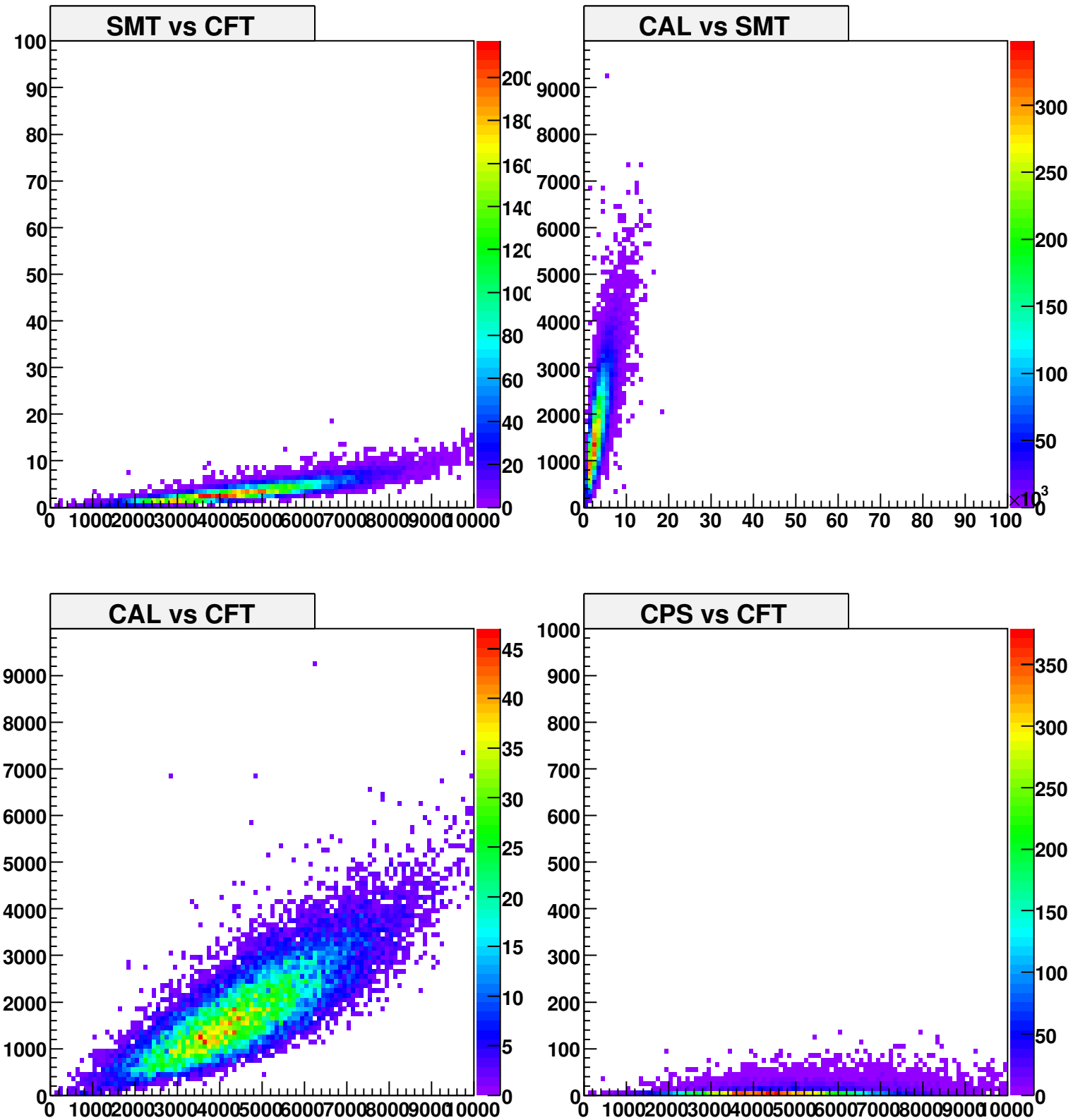


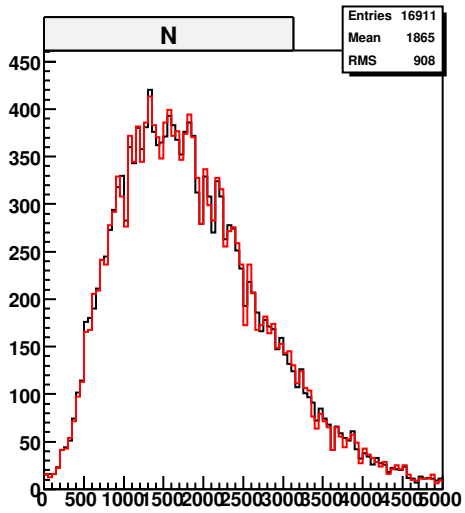


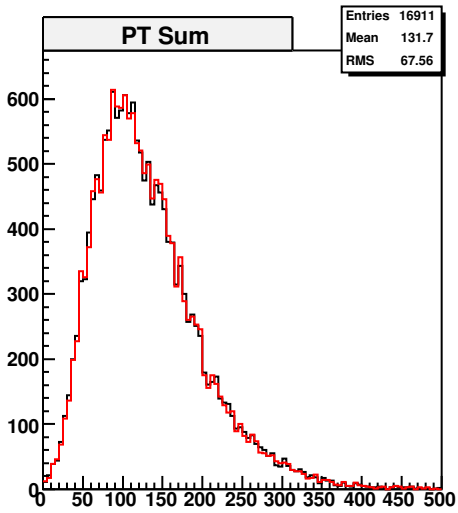


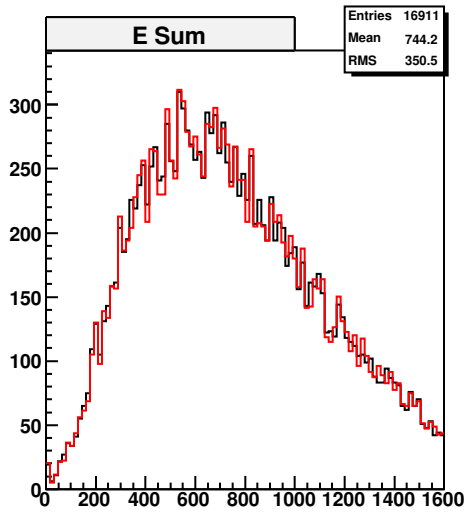


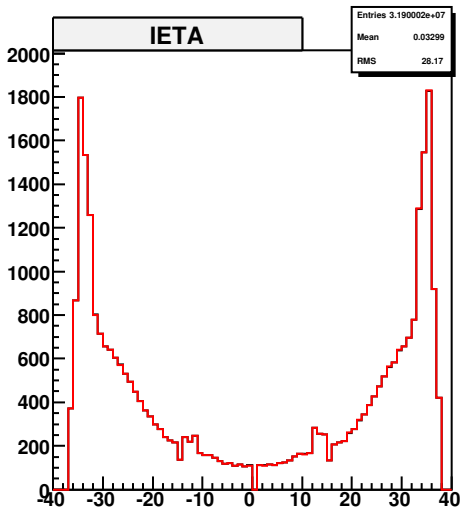
Detector Occupancy (Detector)

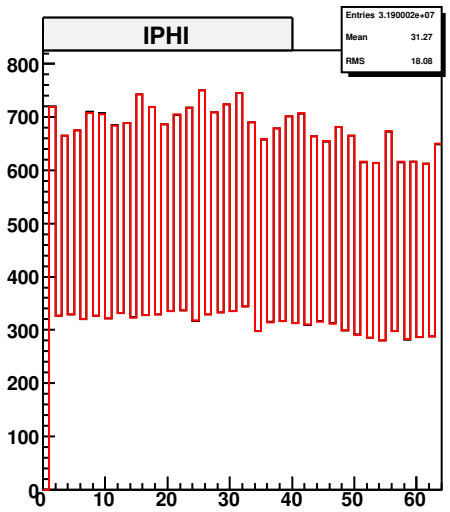

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

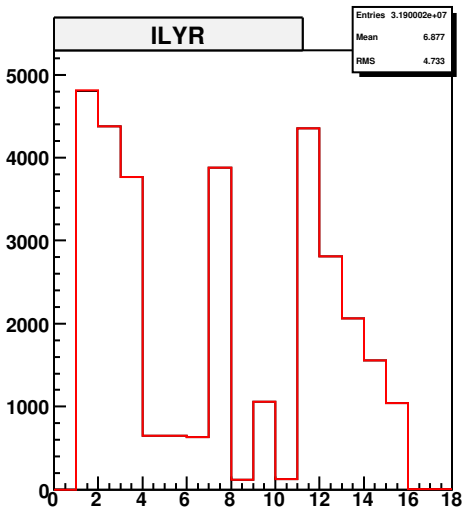


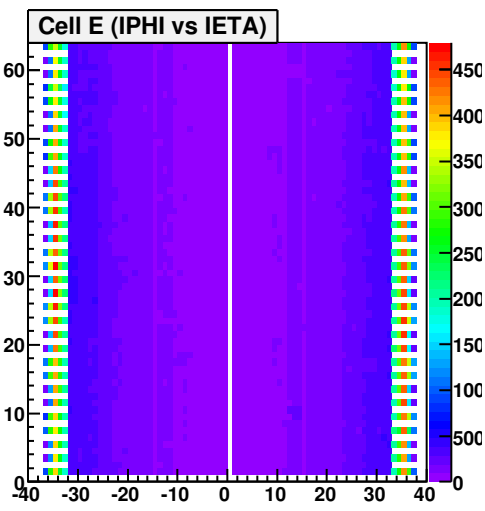


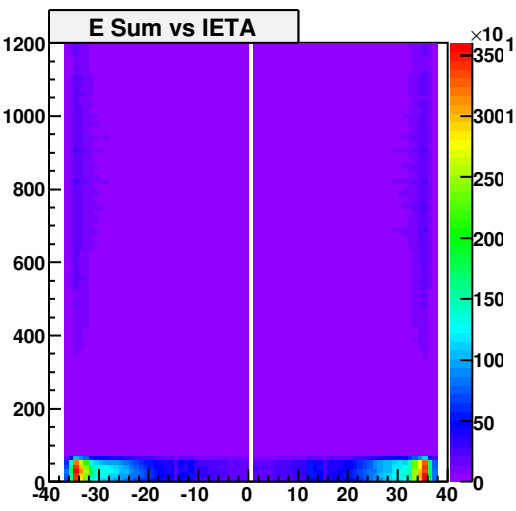


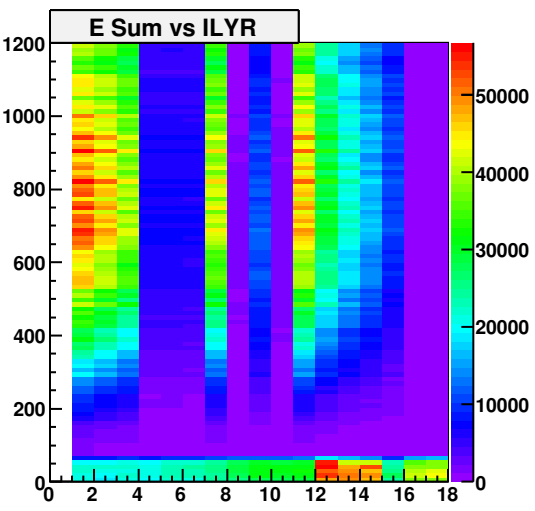




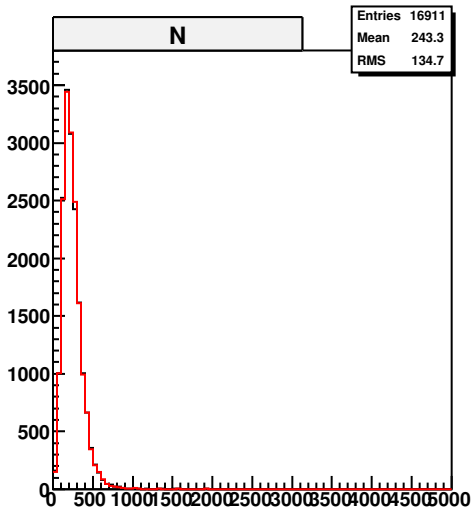


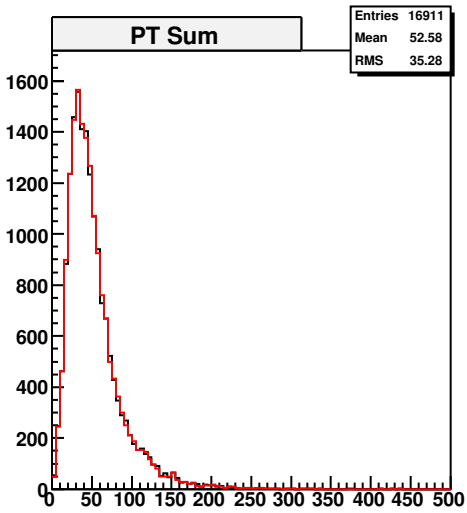


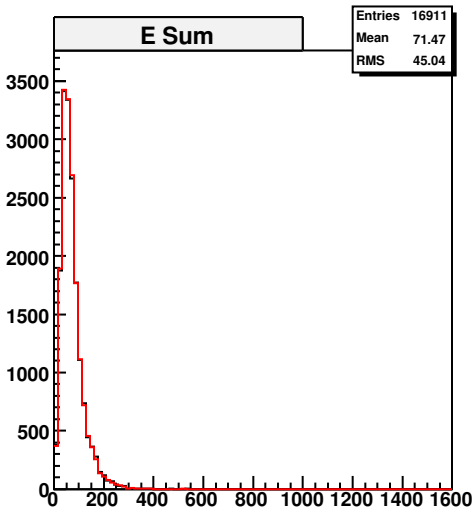


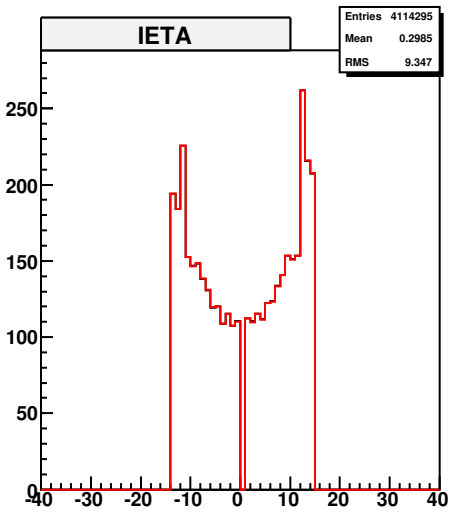


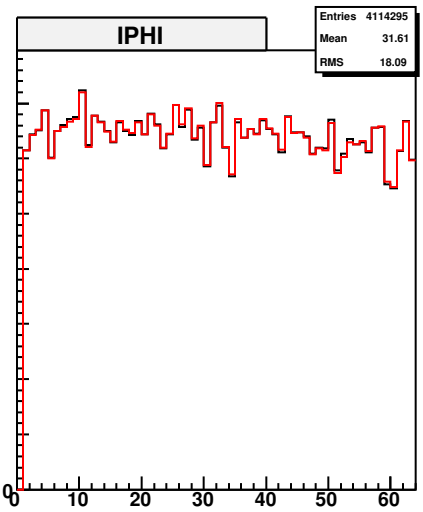
Calorimeter (All cells)

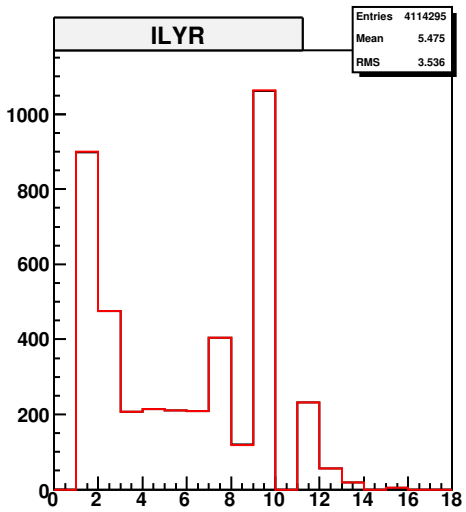


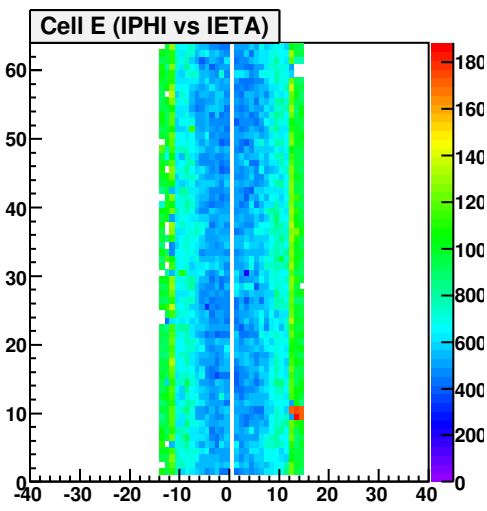


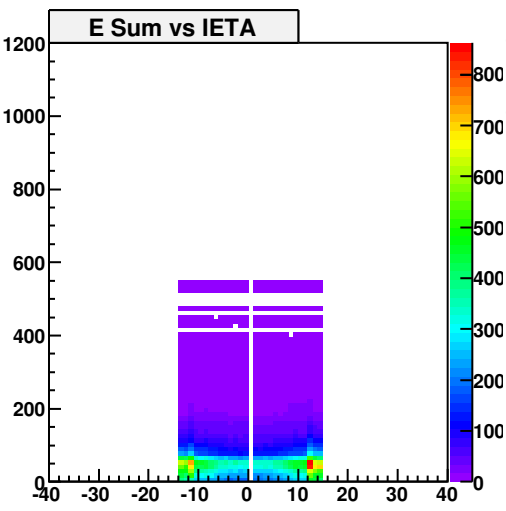


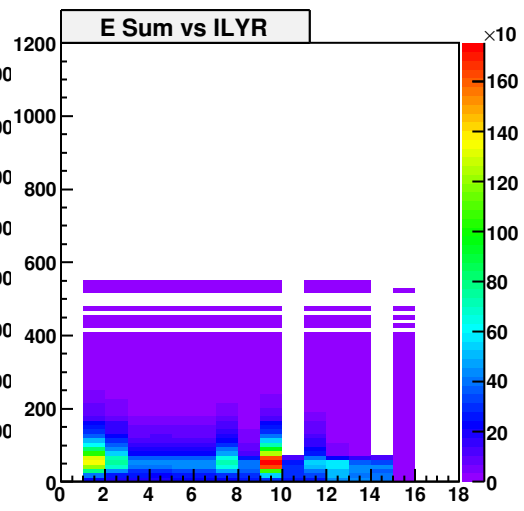




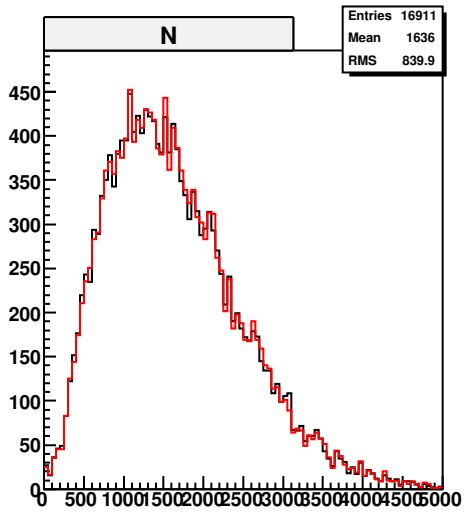


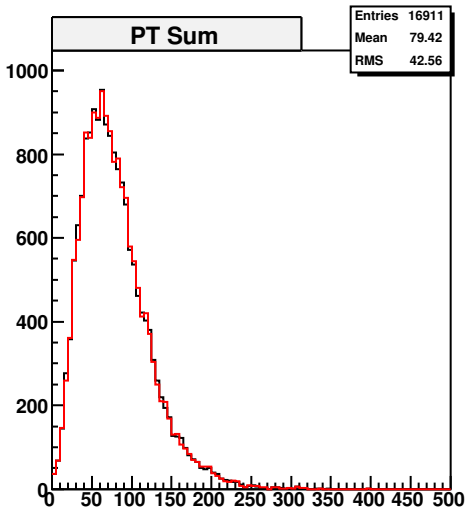


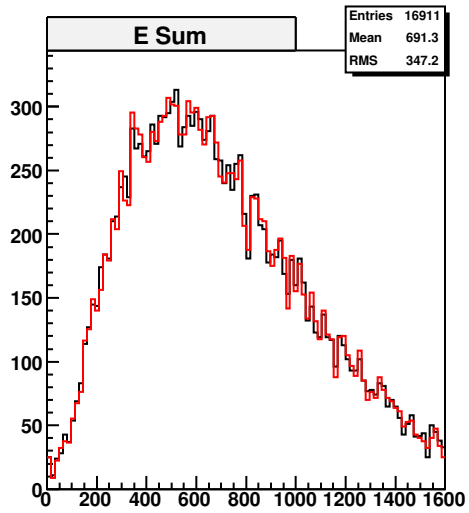


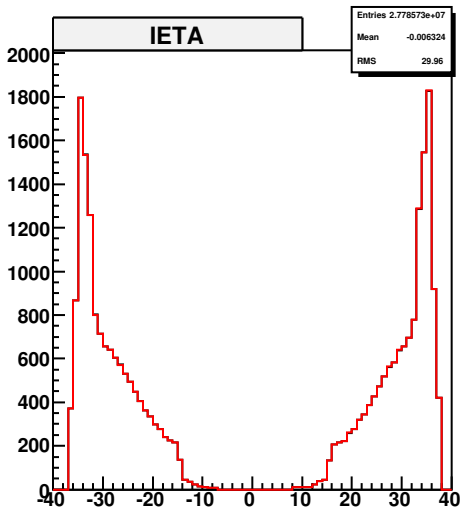


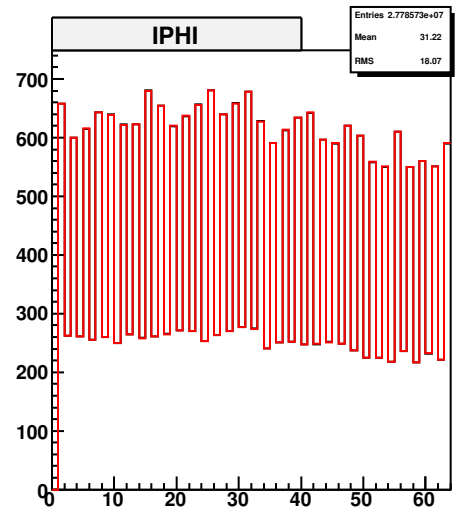
Calorimeter (All CC cells)

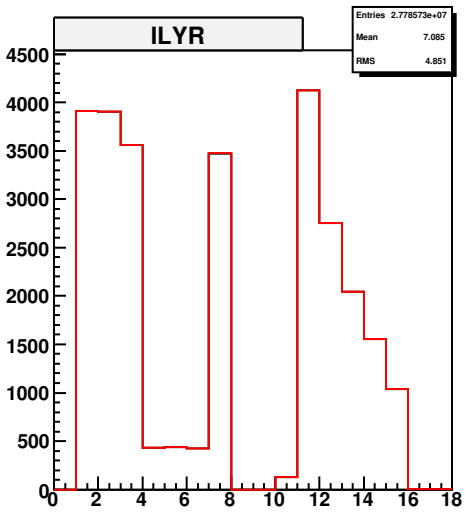


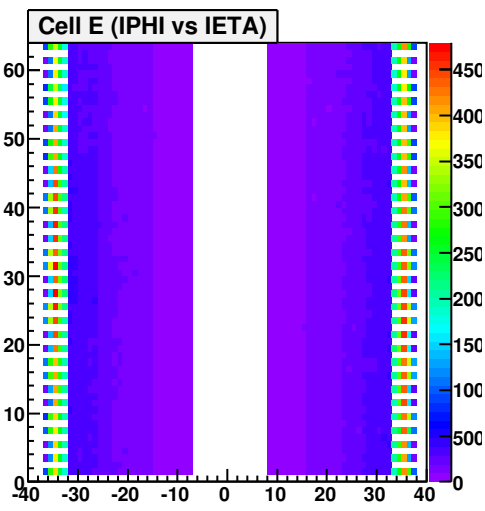


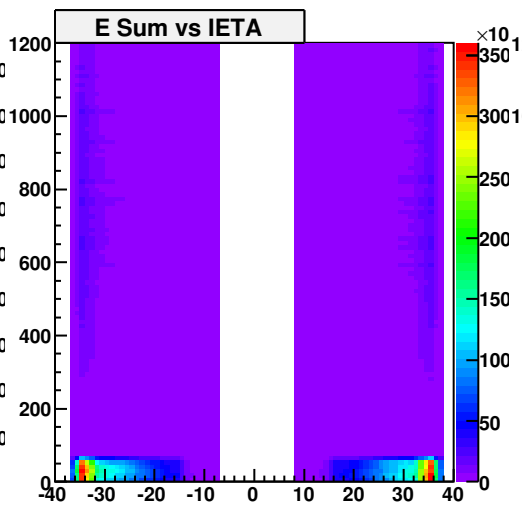


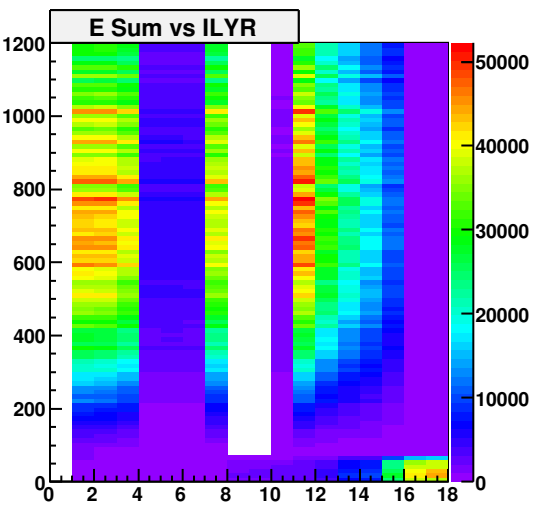




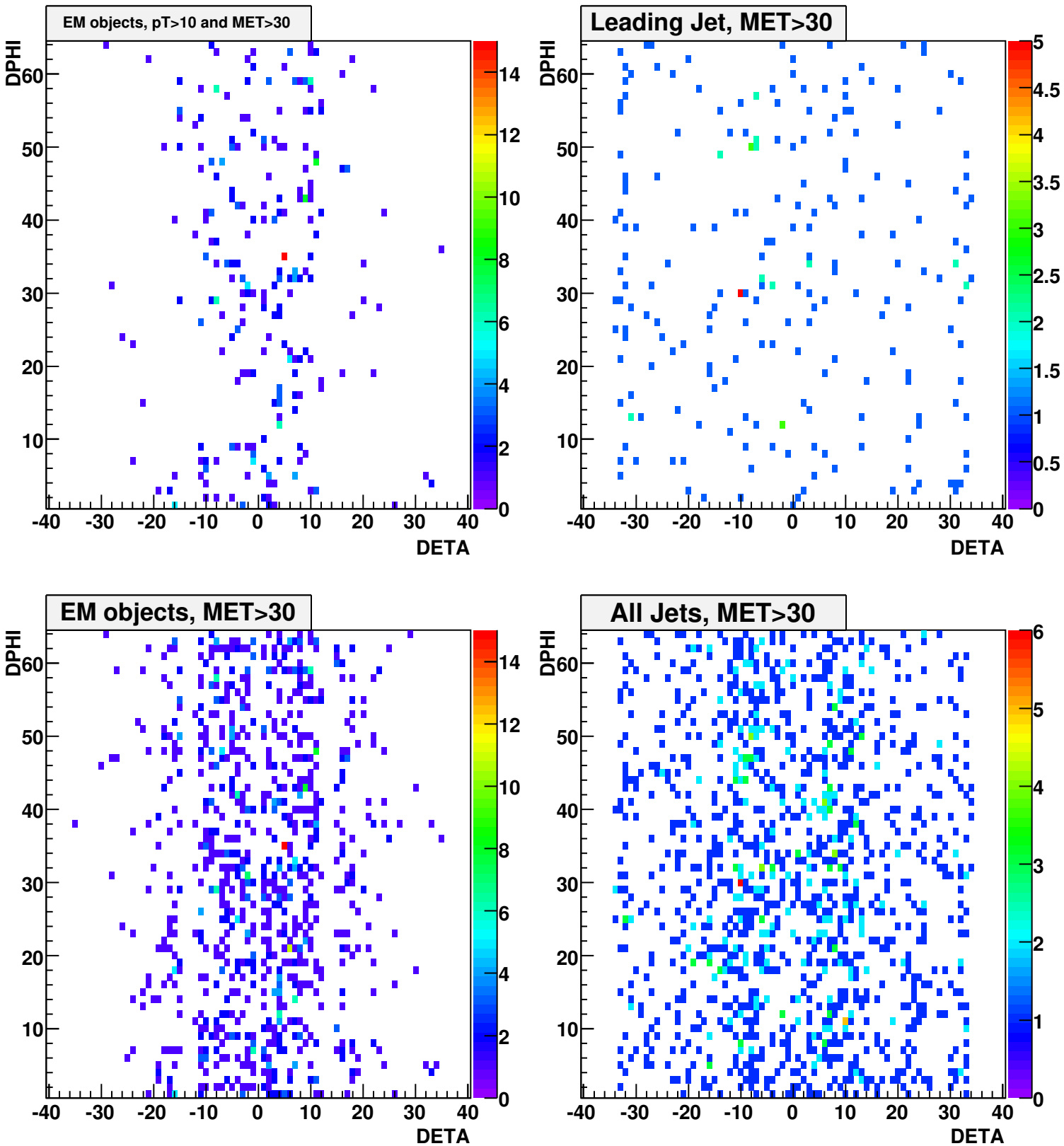




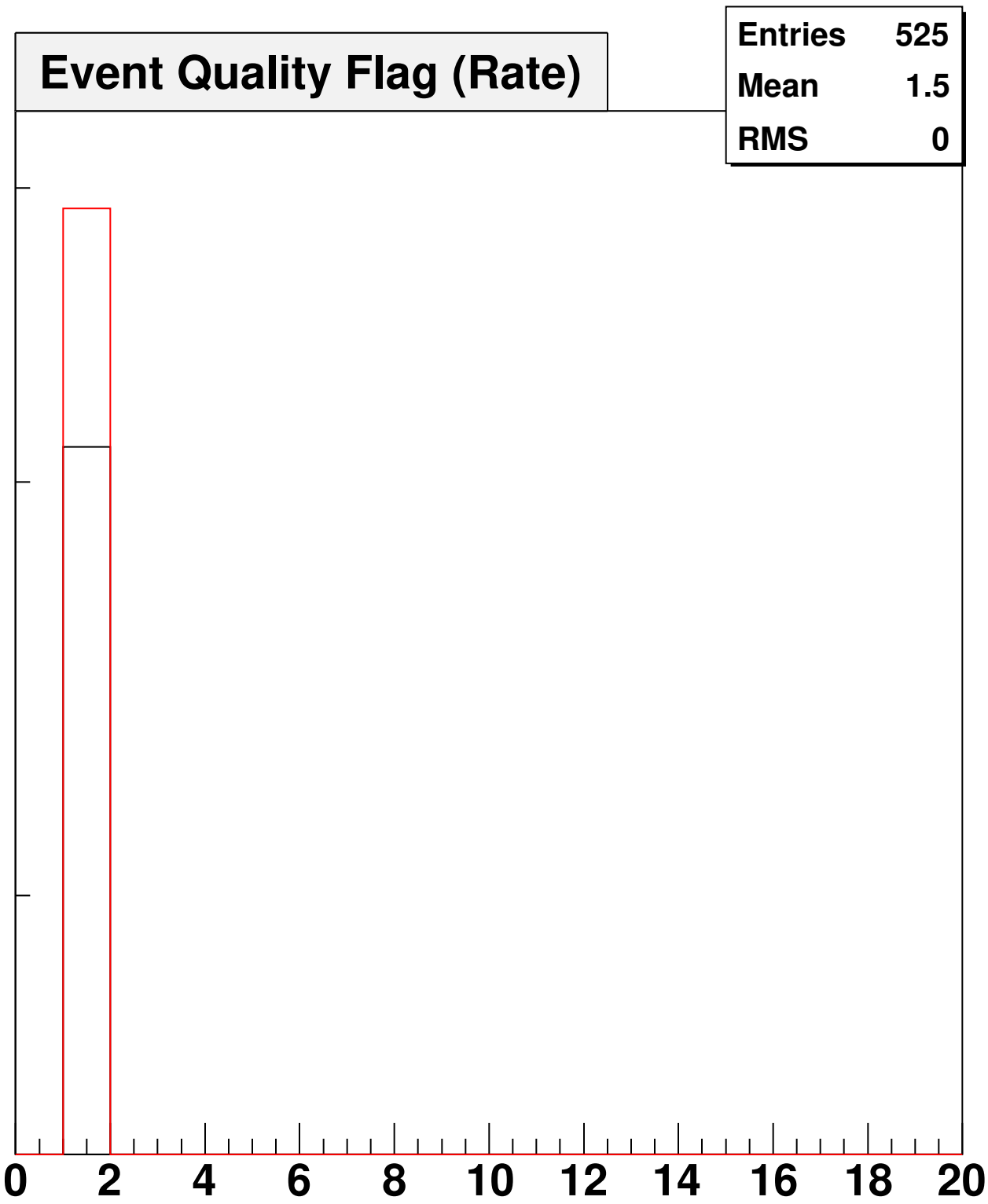


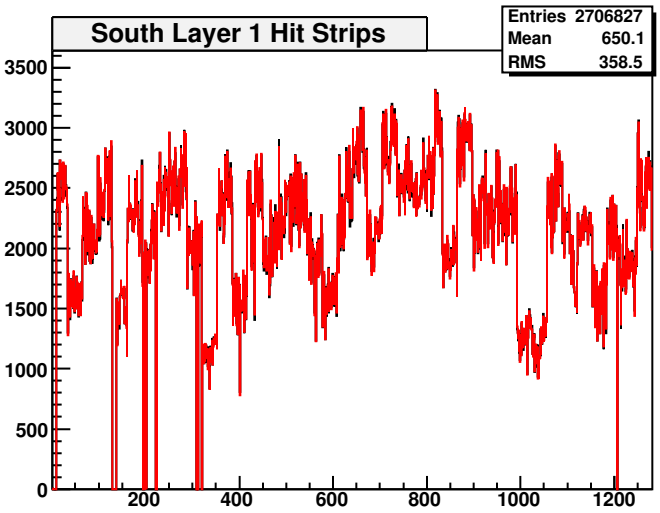


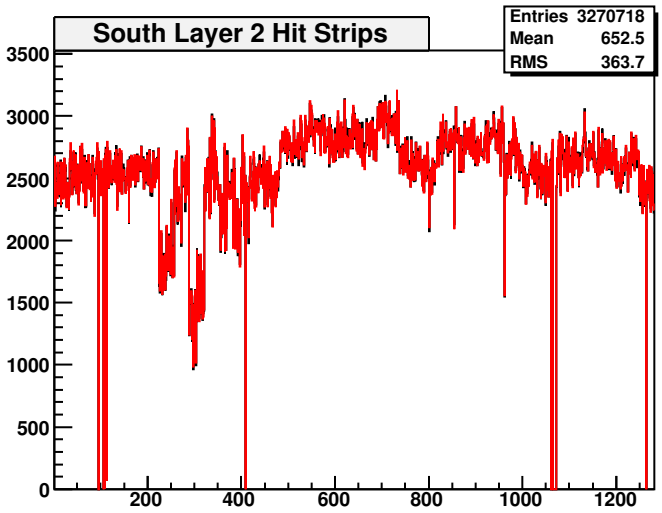
Calorimeter (All EC cells)

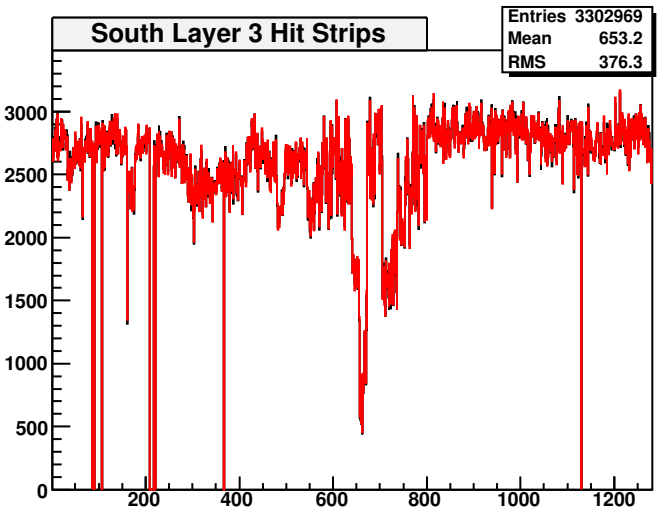


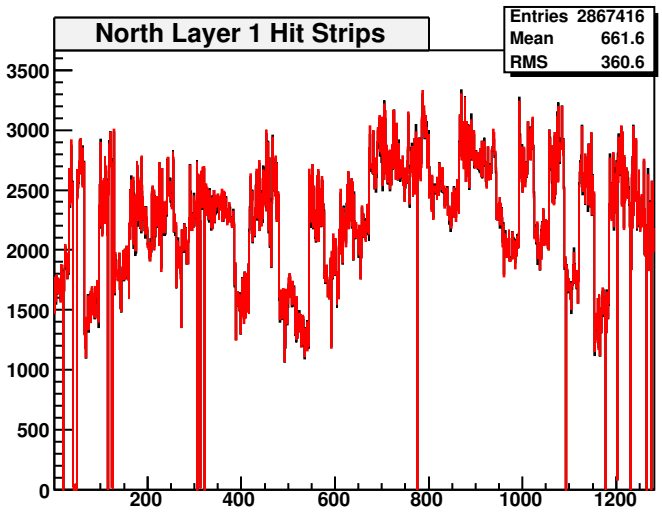
Cal Objects with MET>30 (All cells)

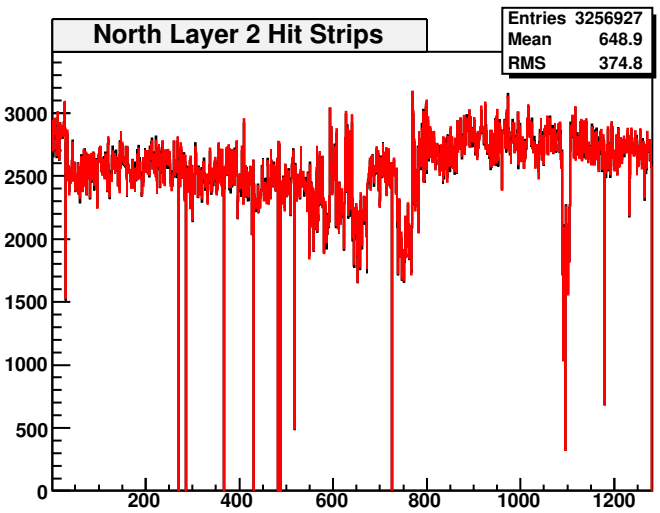

Event Quality Flag (Rate)
Entries 525
Mean 1.5
RMS 0
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

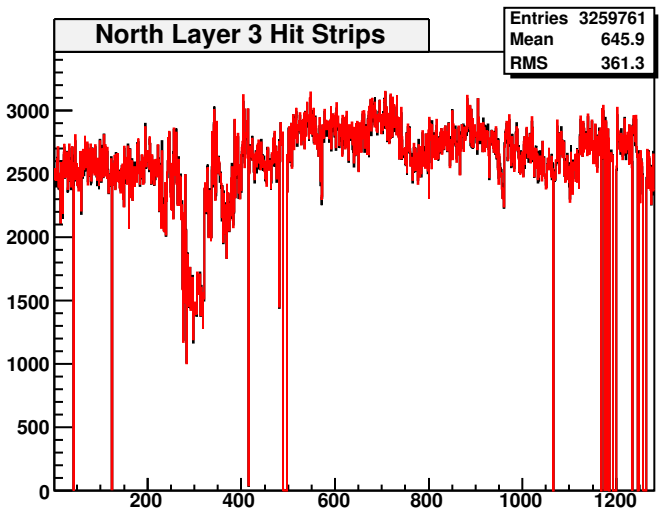




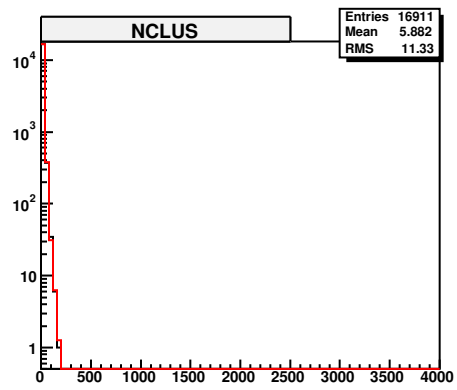


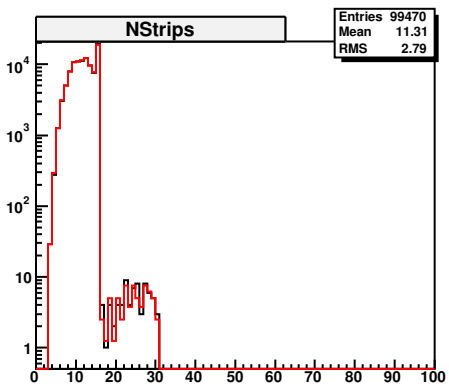


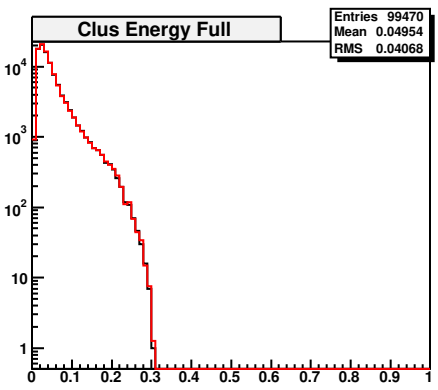


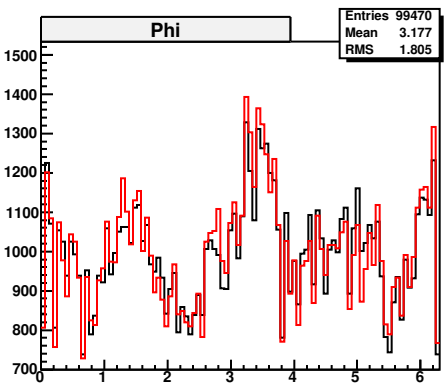


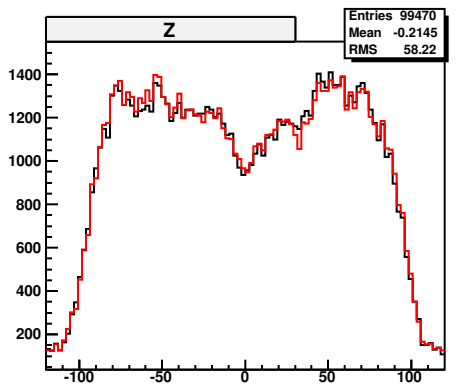
CPS Hit Strips (All Clusters)

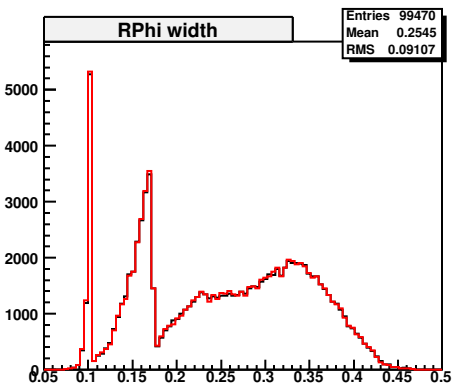


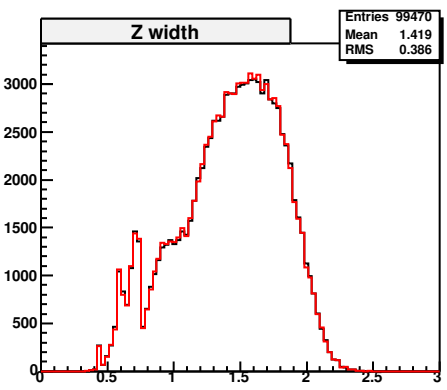


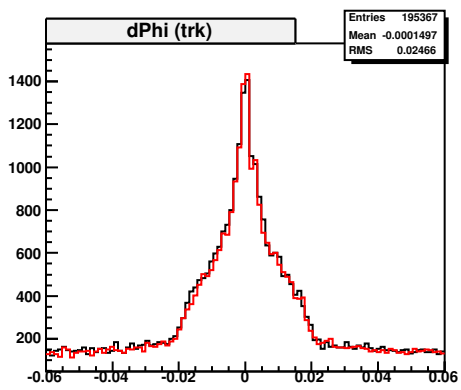


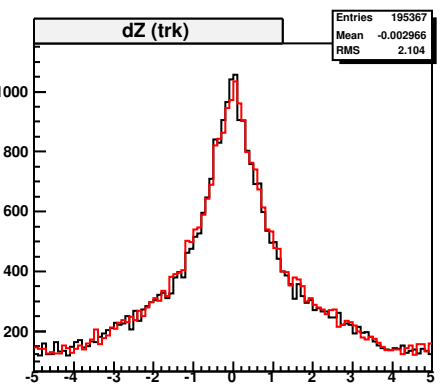


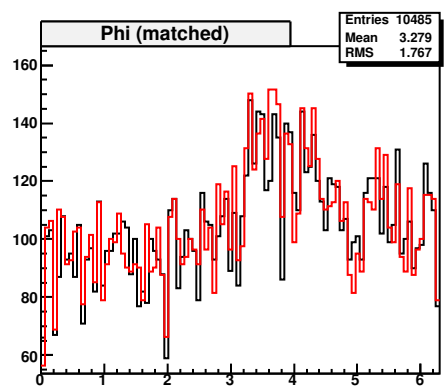


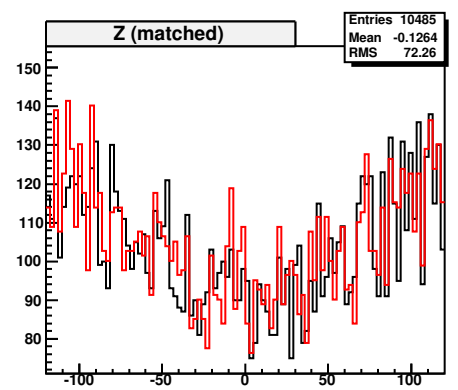




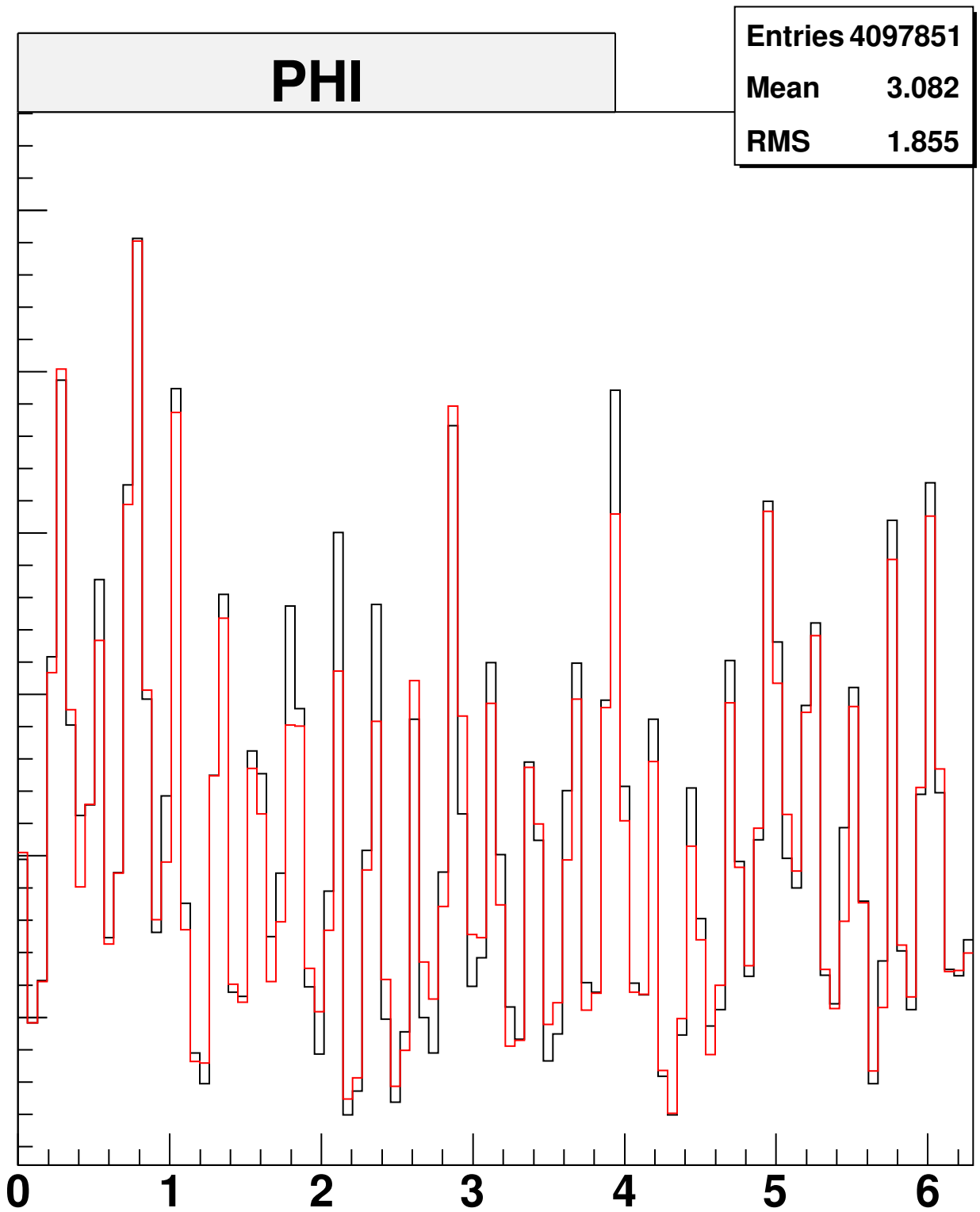








CPS Clusters (All Clusters)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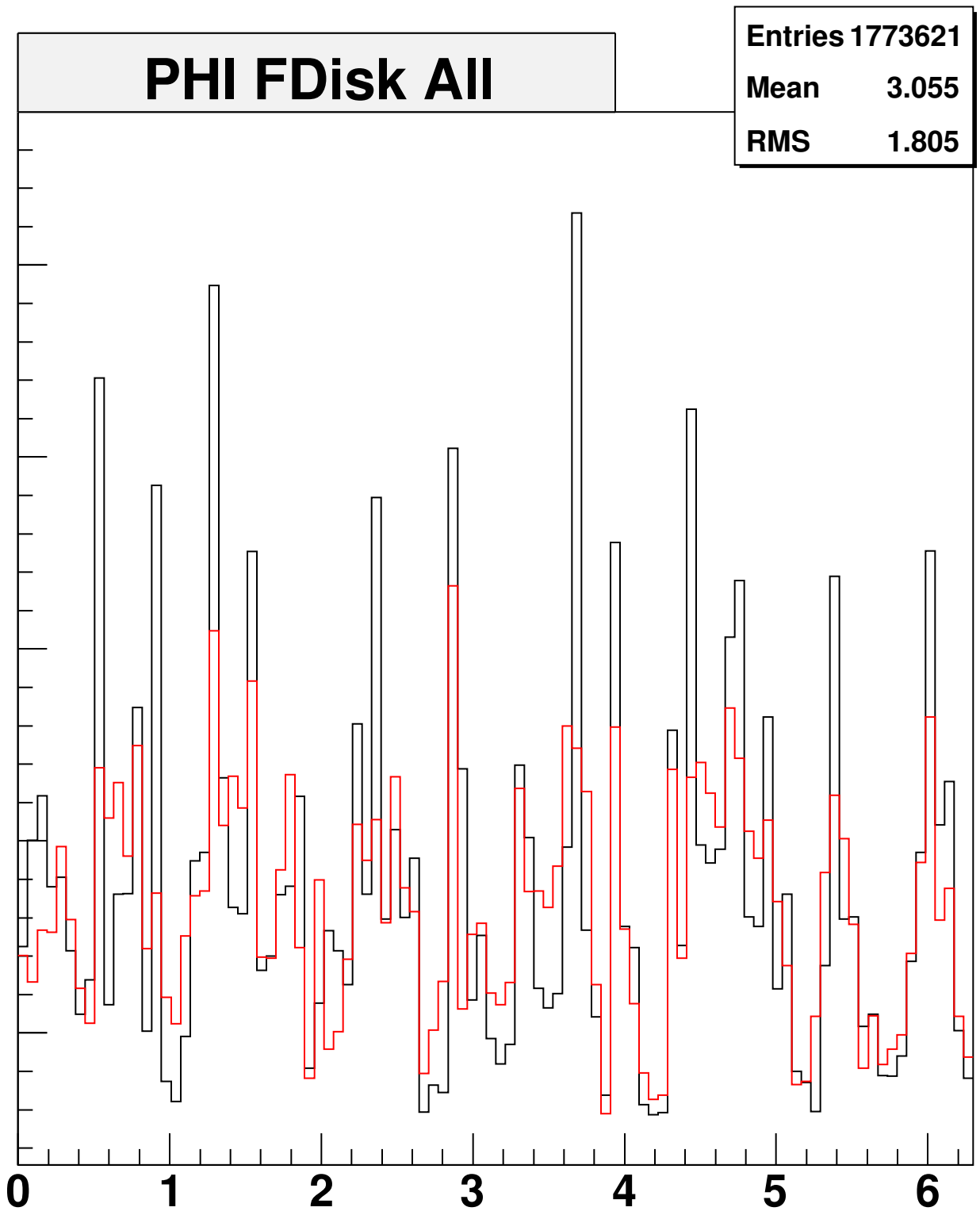
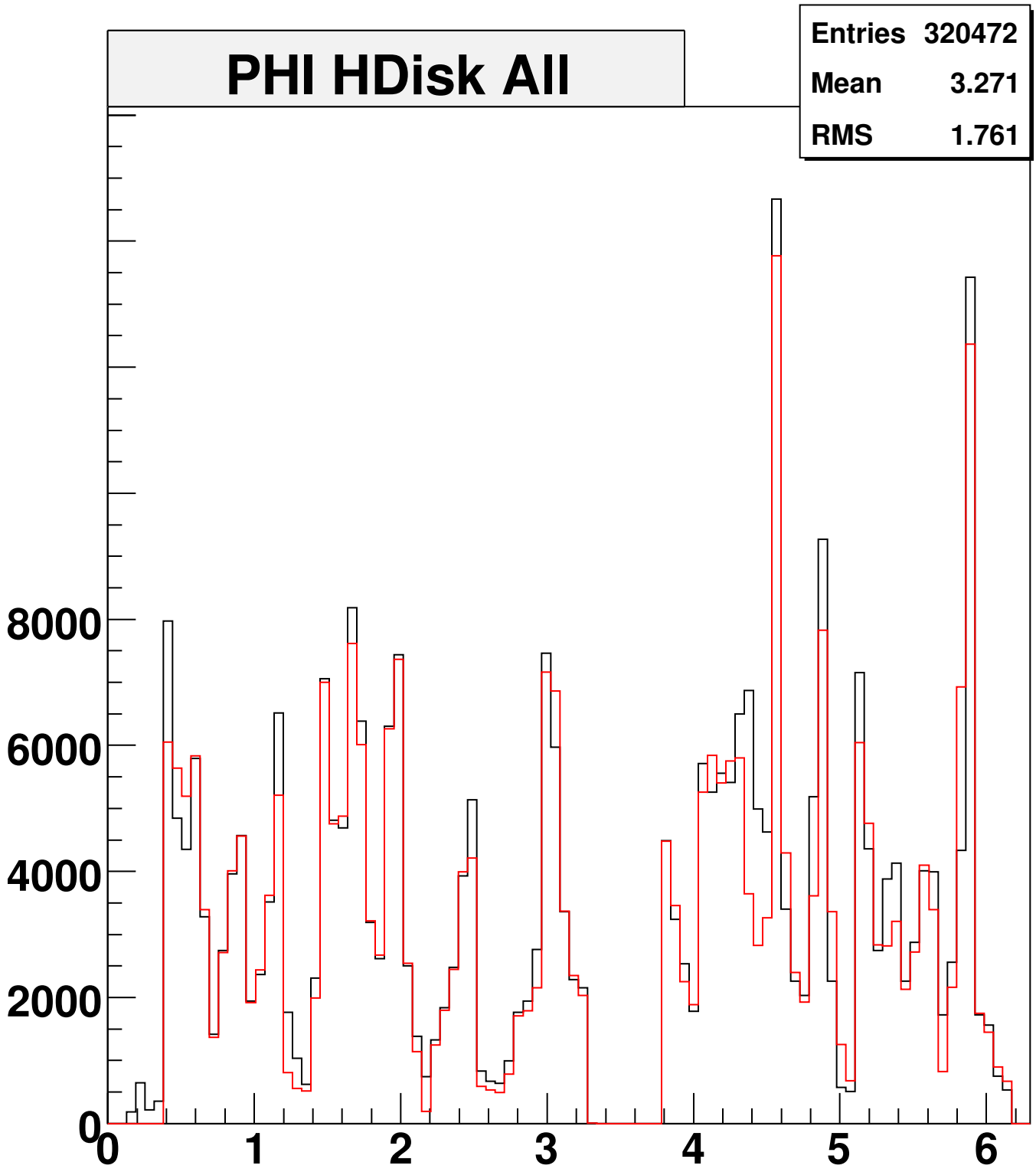
Entries 4097851
Mean 3.082
RMS 1.855
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 1773621
Mean 3.055
RMS 1.805
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 320472
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RMS 1.761
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4000
2000
0
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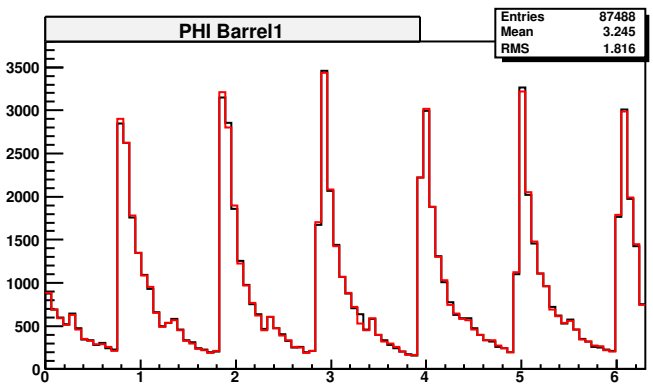
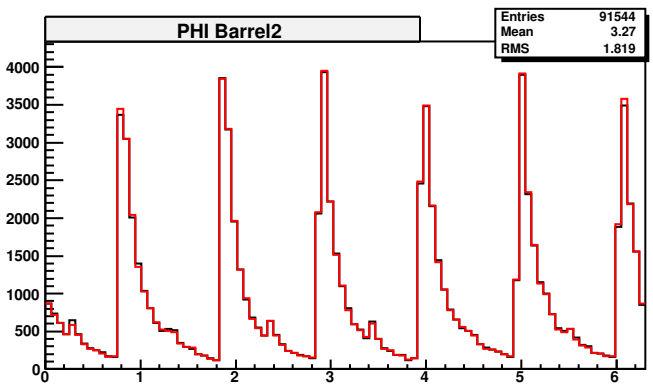
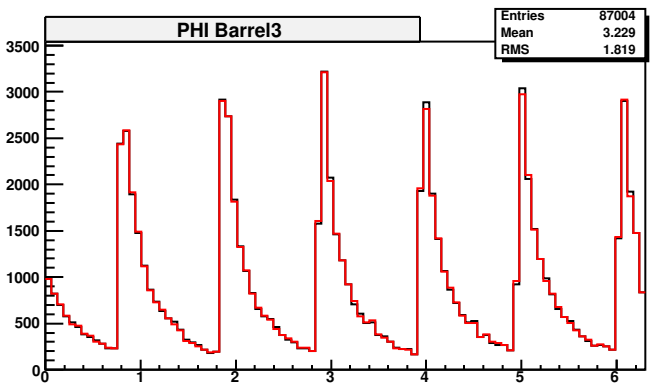
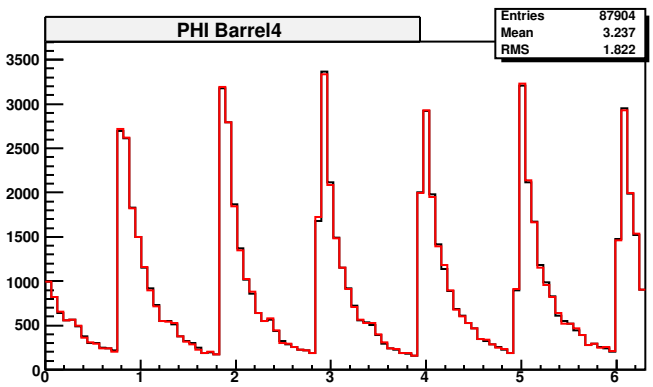
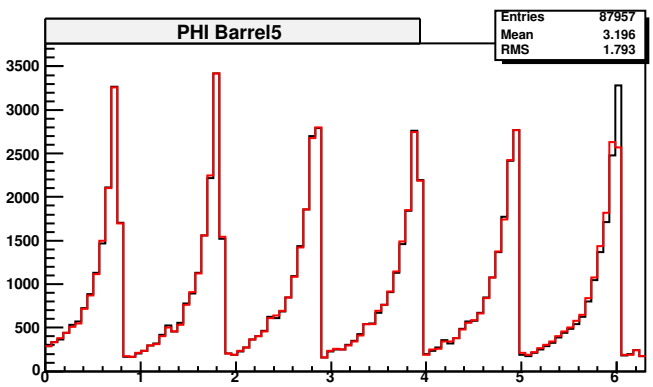
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

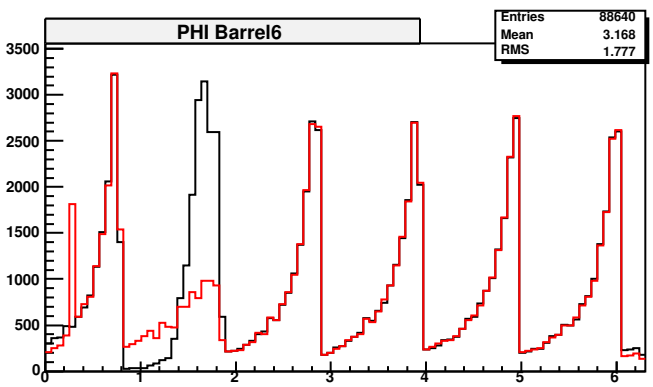


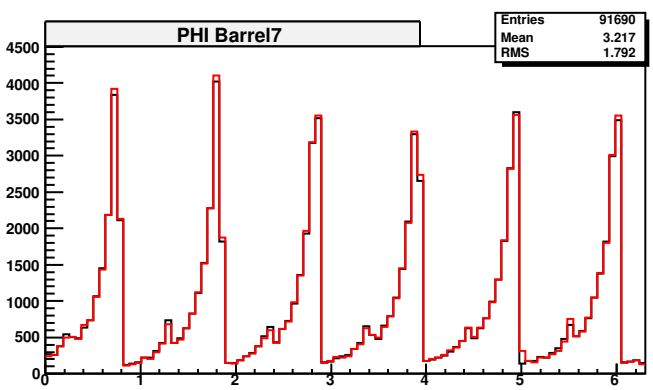


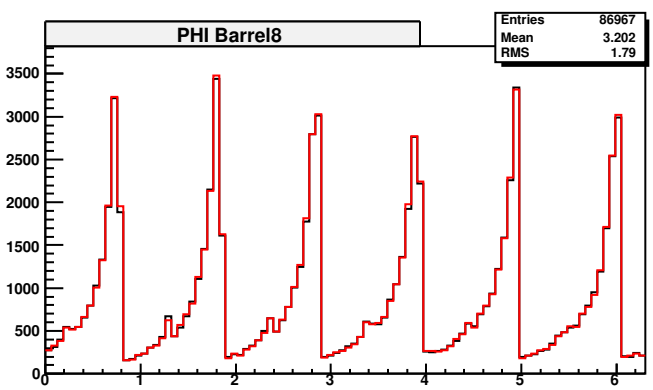




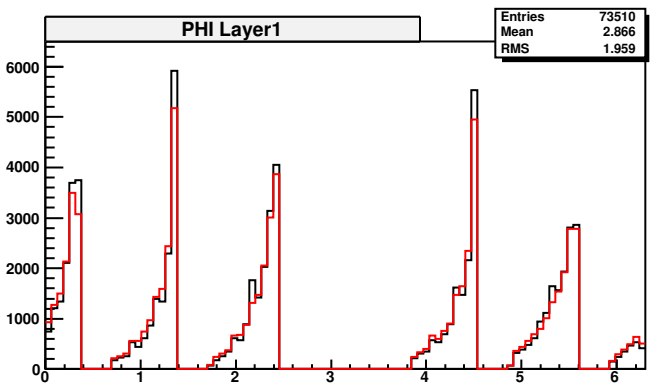


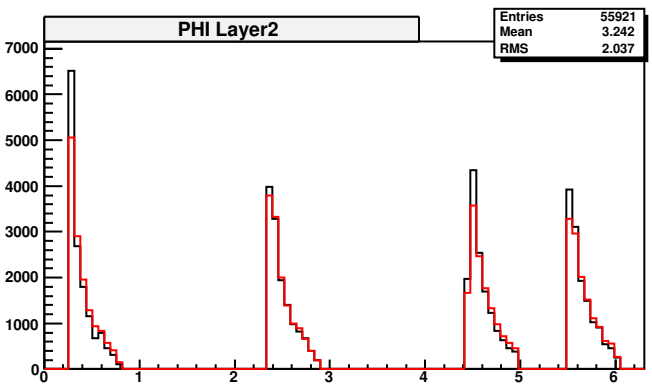


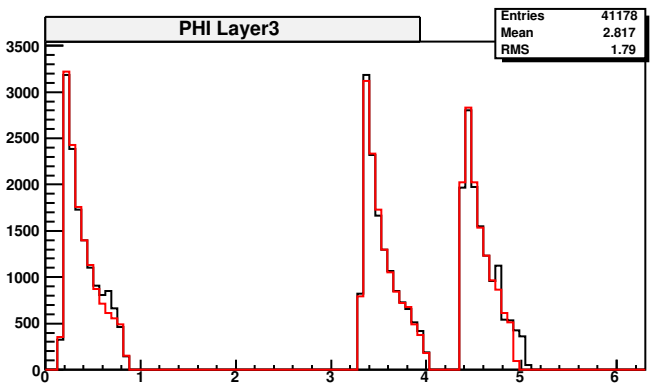


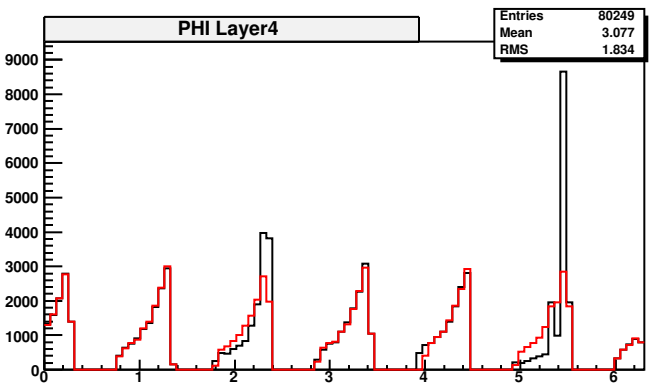


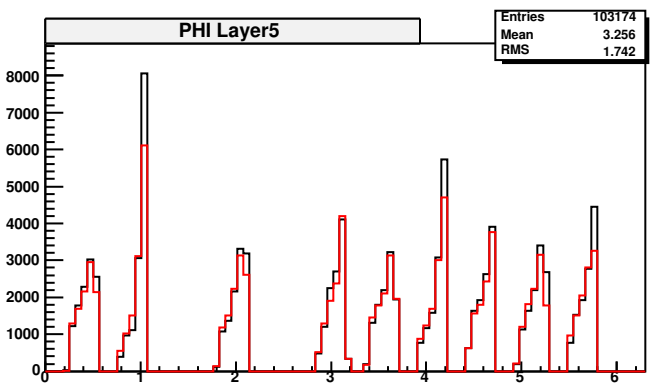
SmtClusters (ClustrLayer0)

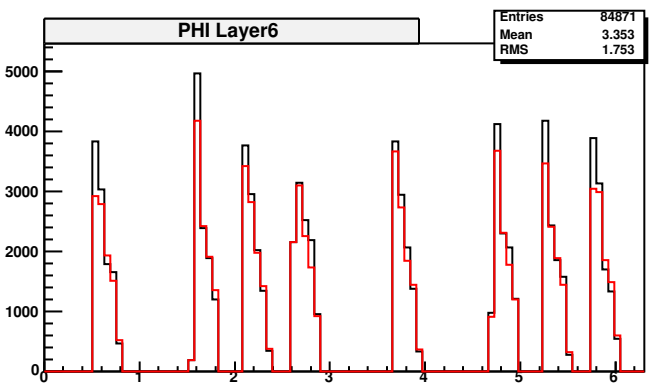


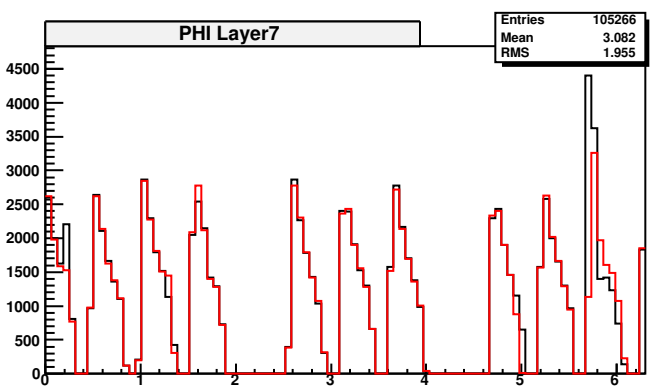


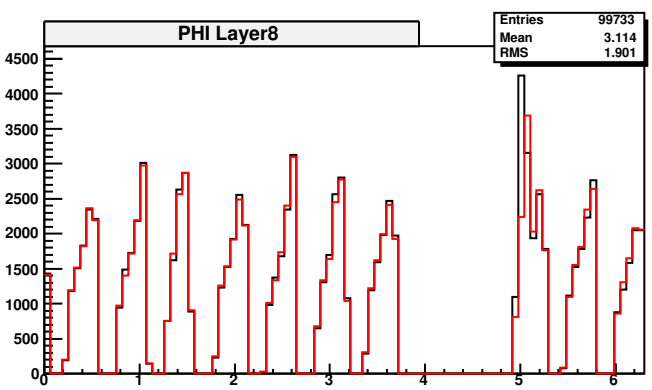




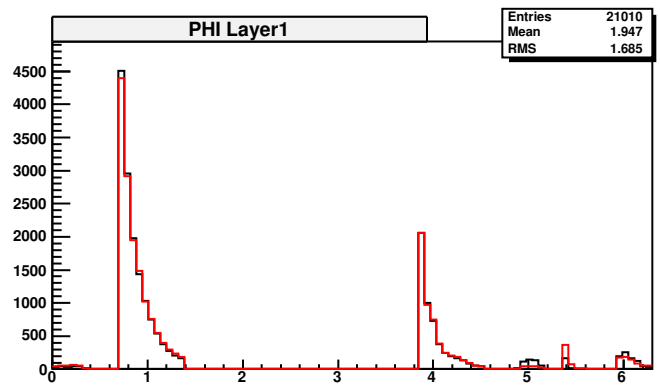


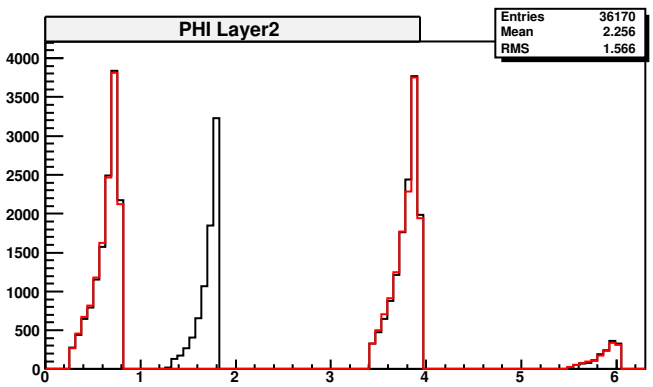


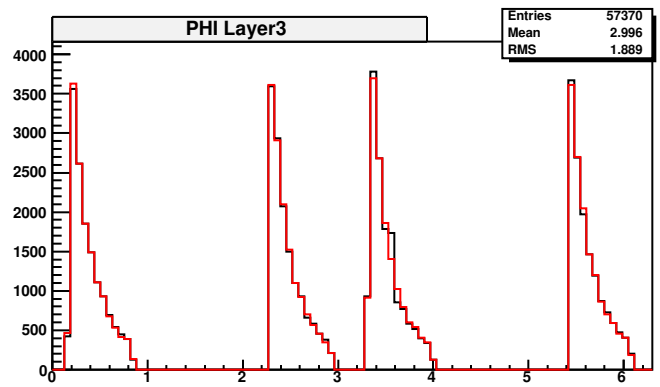


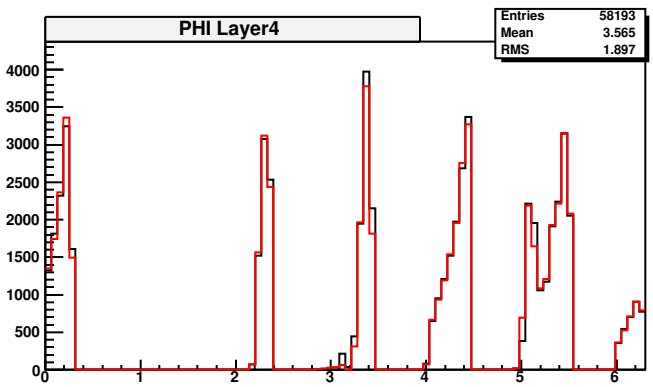


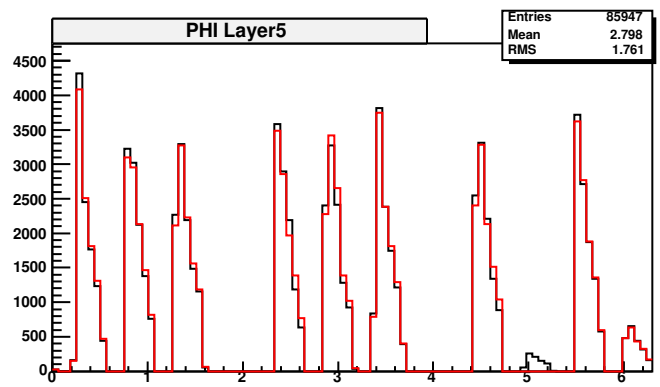
SmtClusters (ClustrBar1)

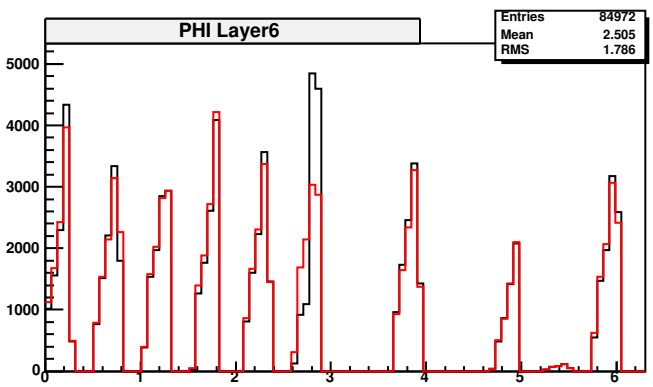


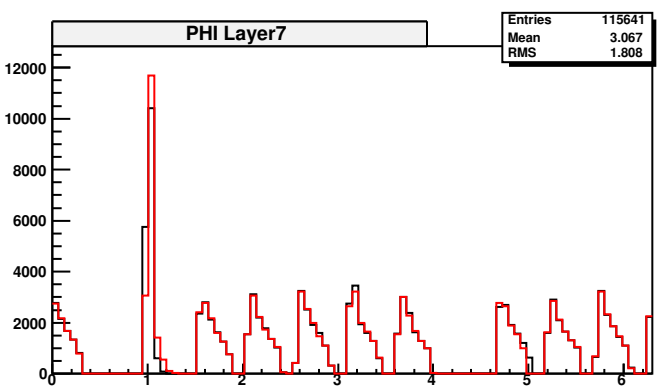


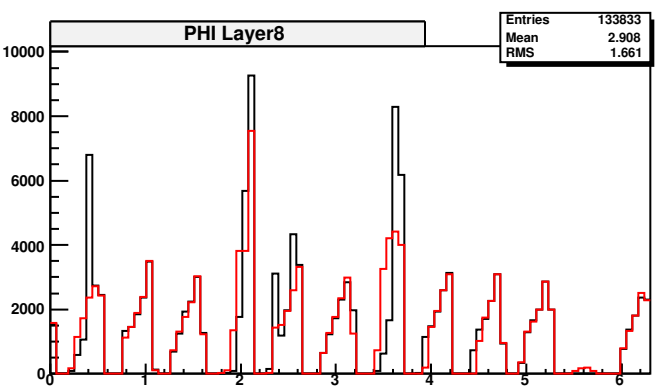




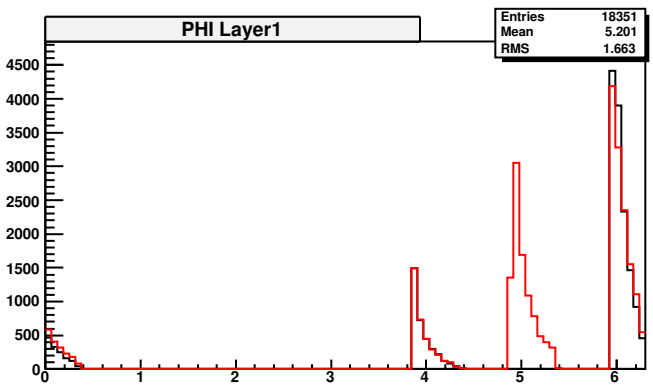


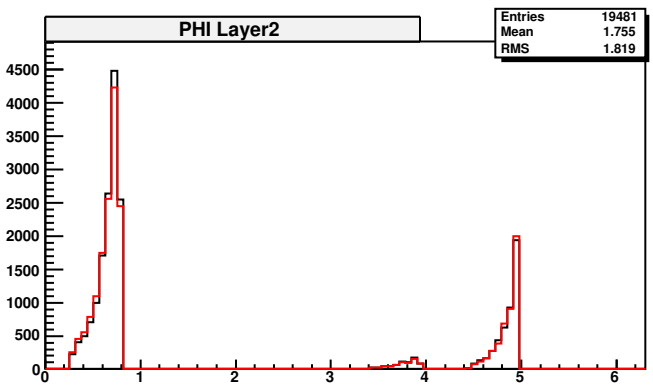


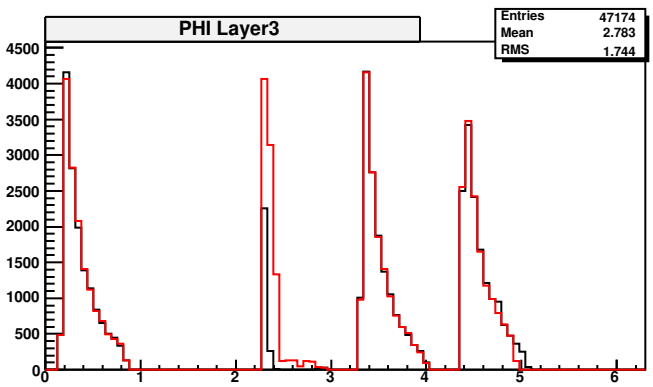


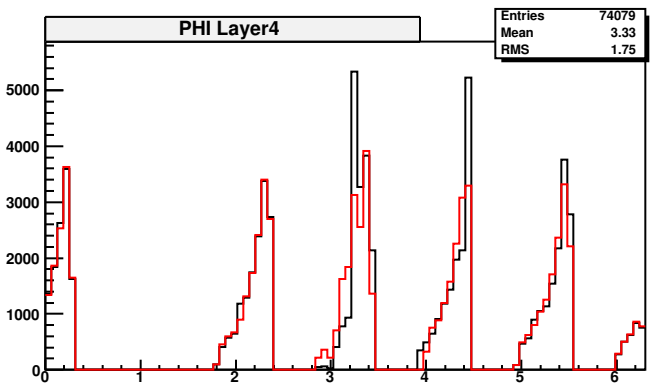


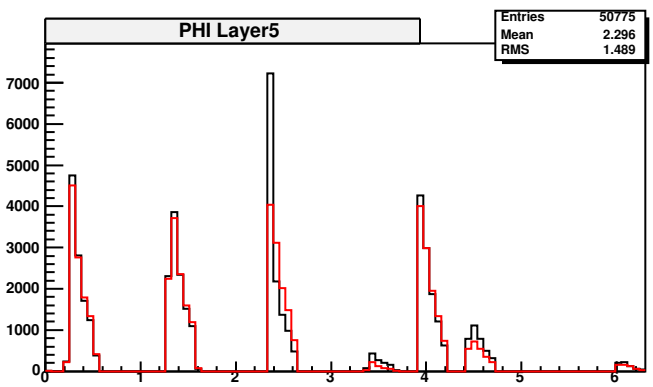
SmtClusters (ClustrBar2)

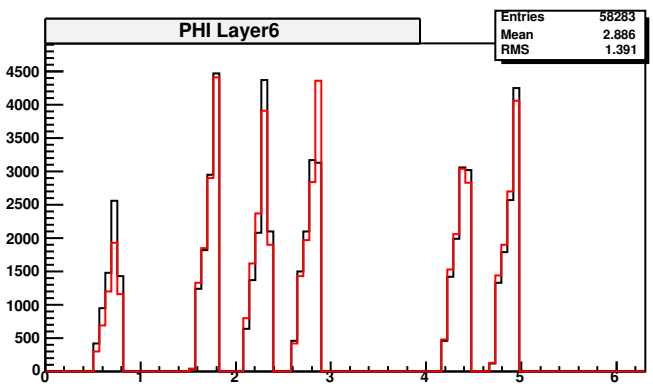


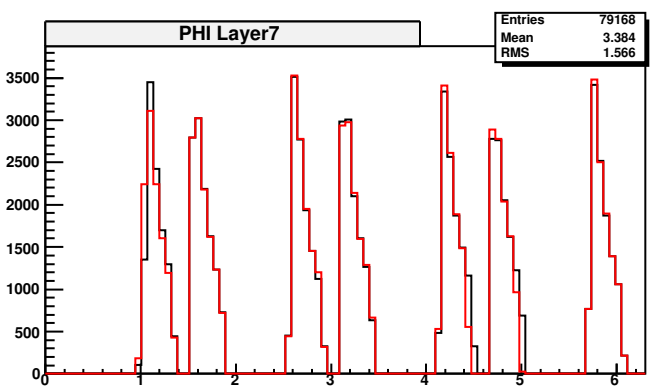


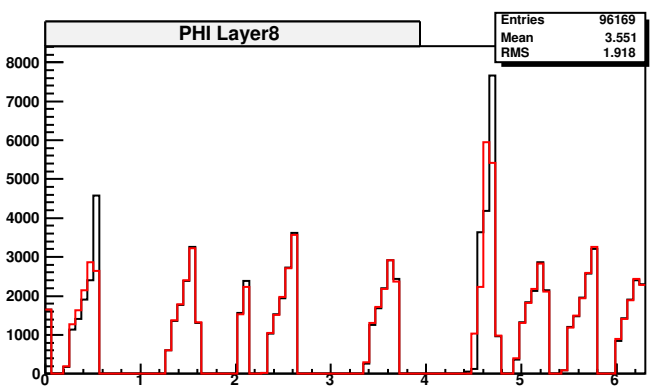




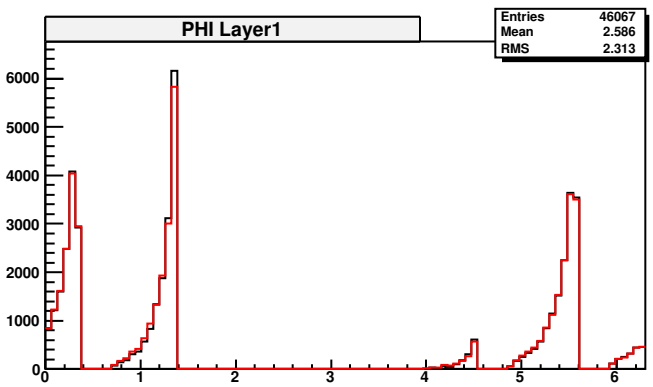


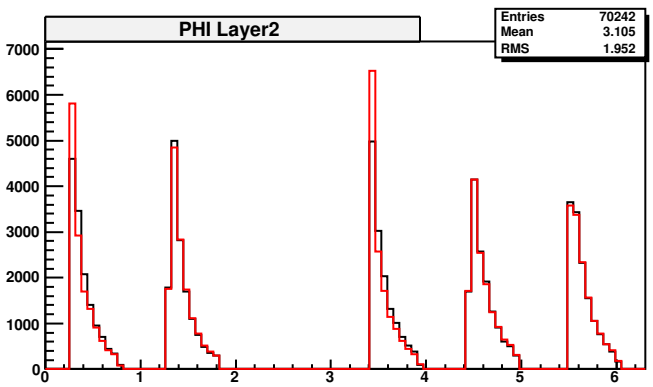


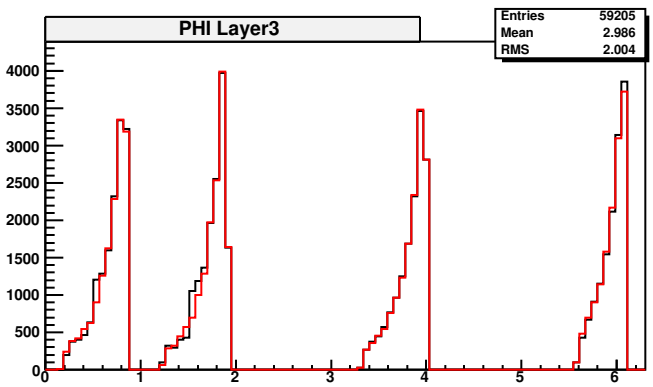


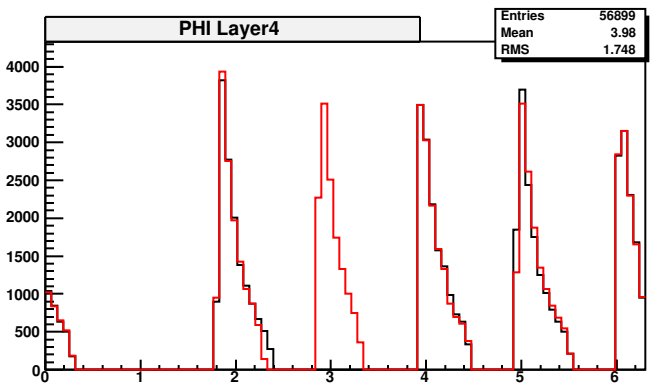


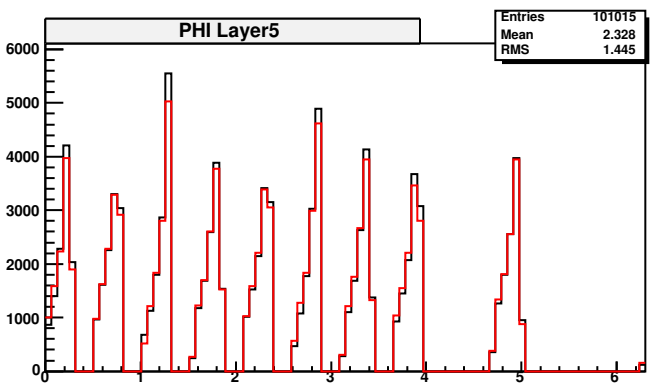
SmtClusters (ClustrBar3)

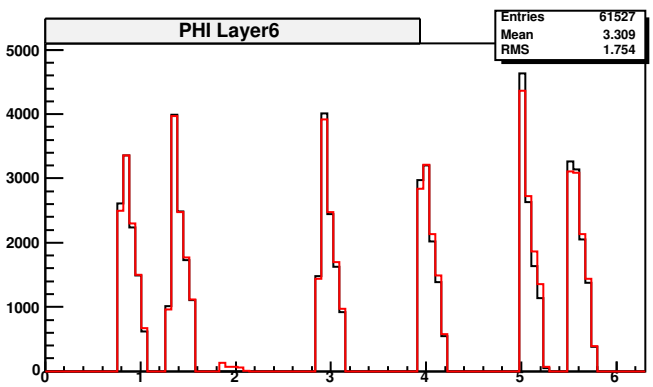


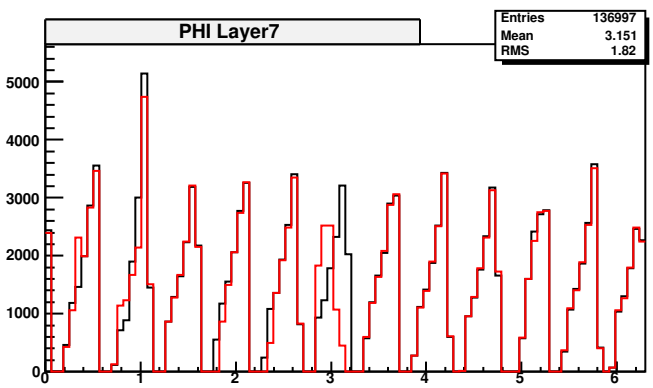


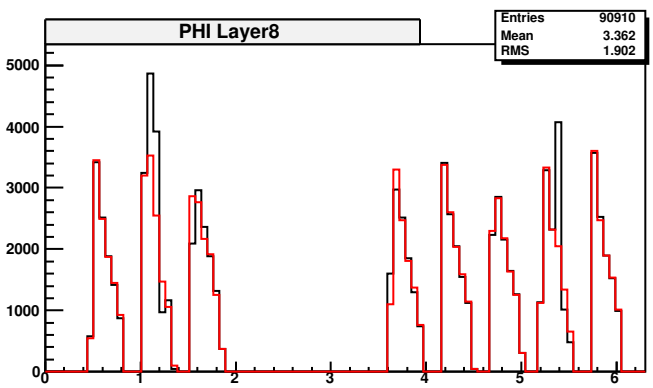




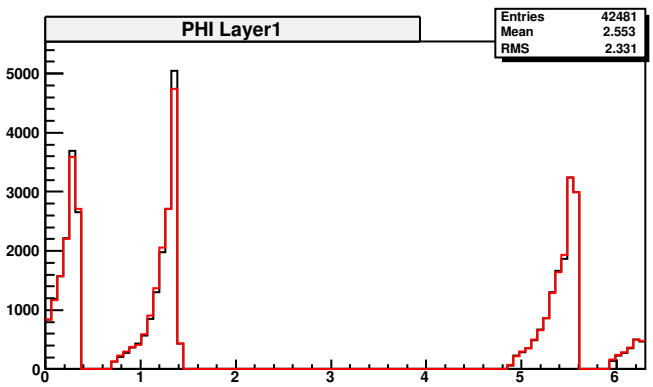


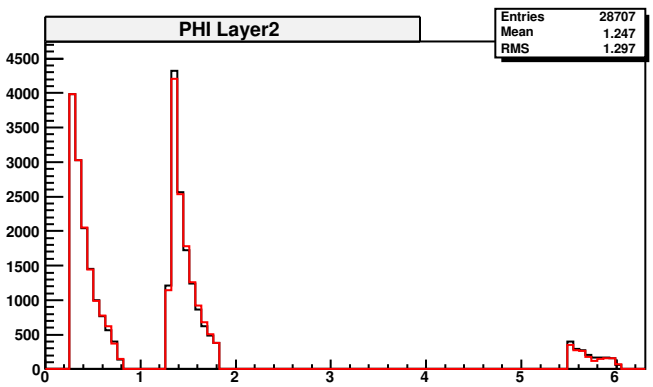


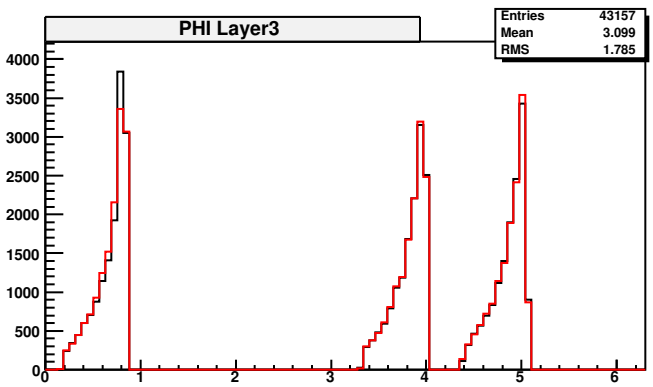


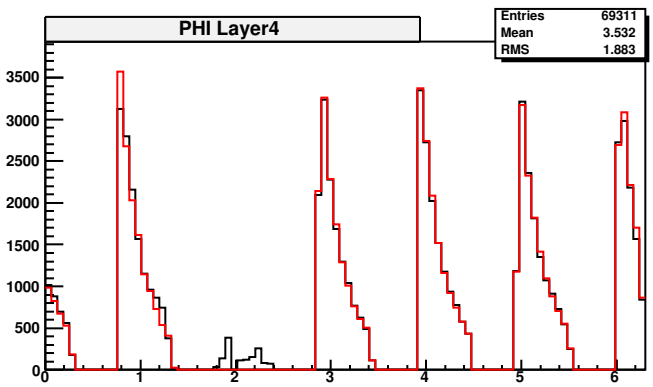


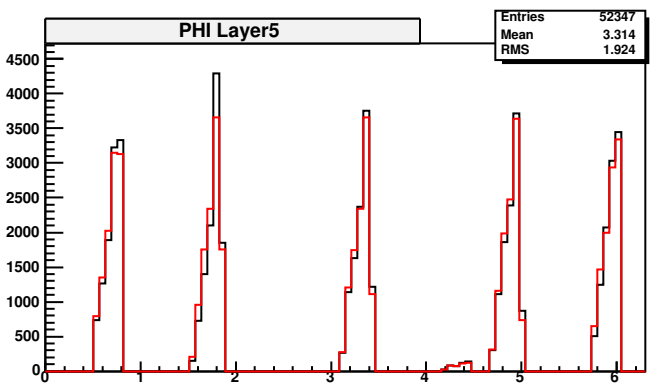
SmtClusters (ClustrBar4)

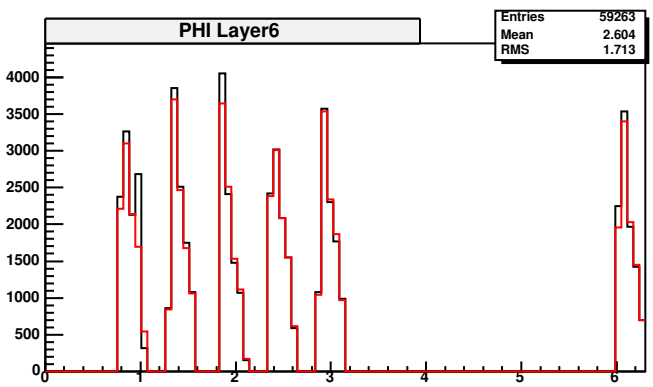


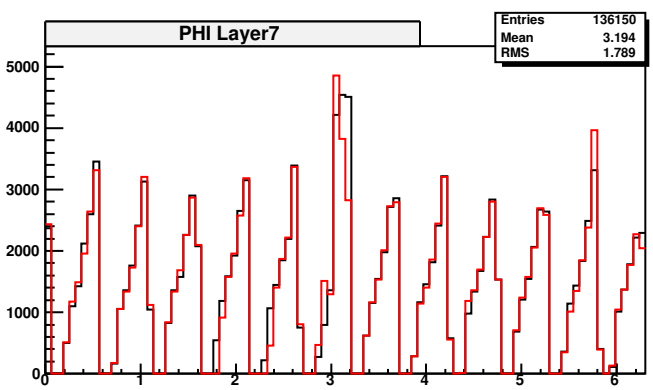


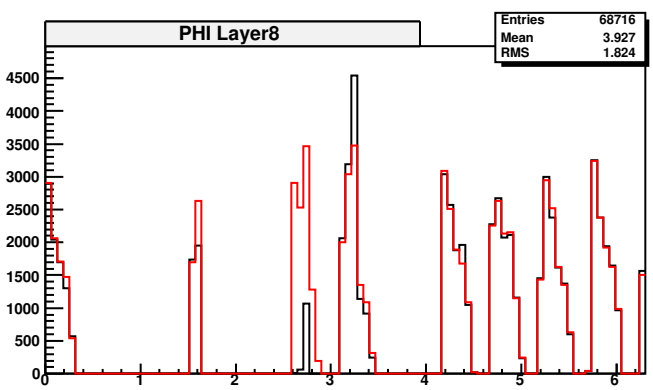




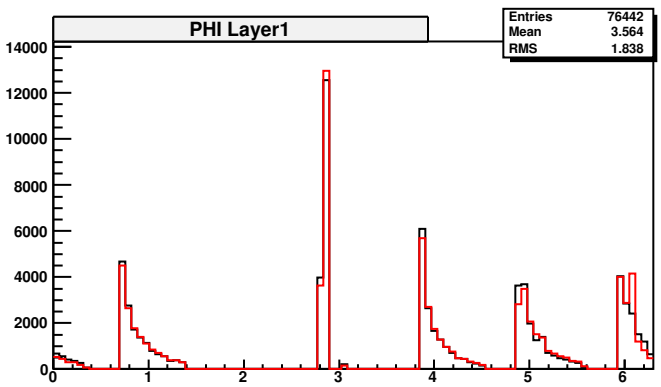


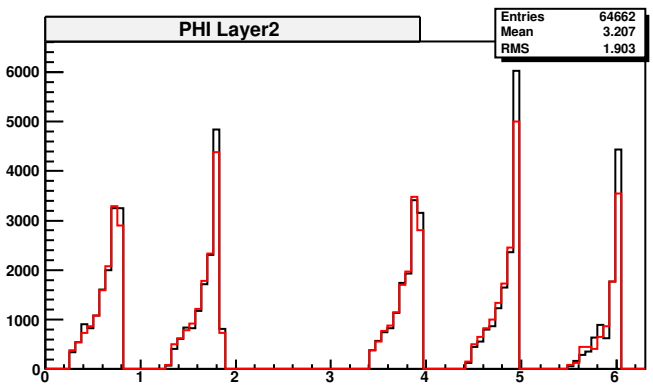


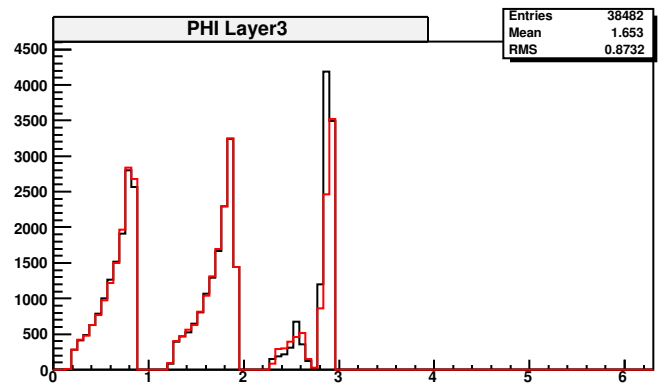


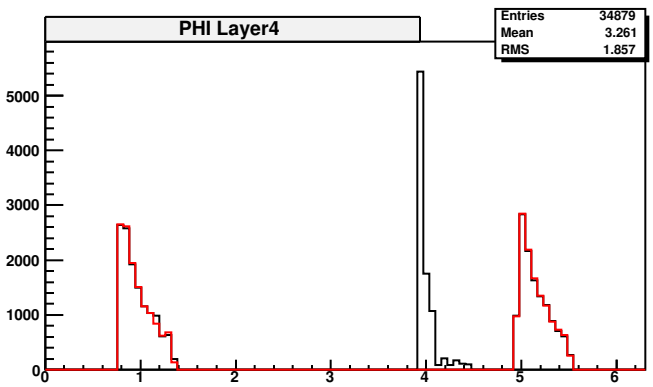


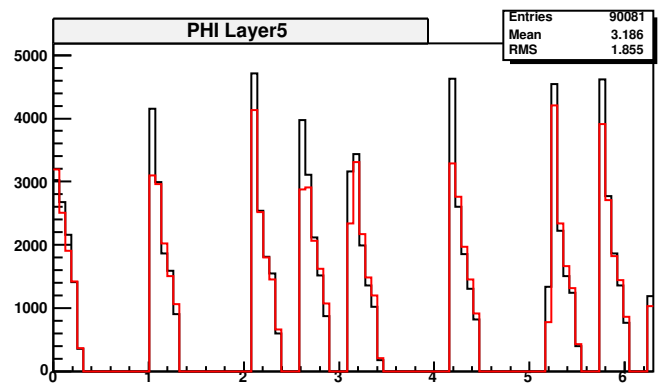
SmtClusters (ClustrBar5)

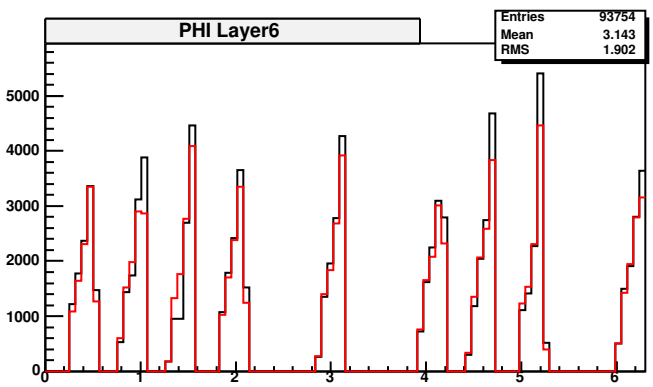


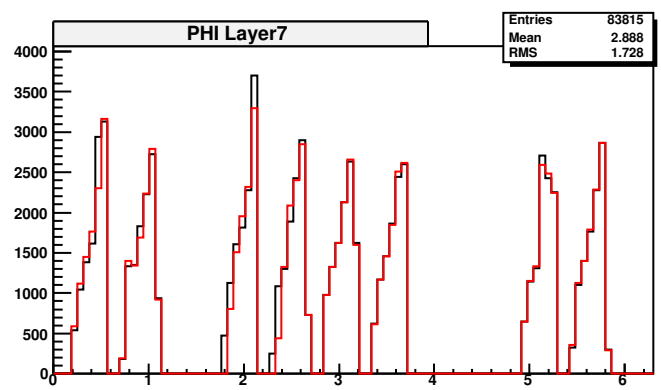


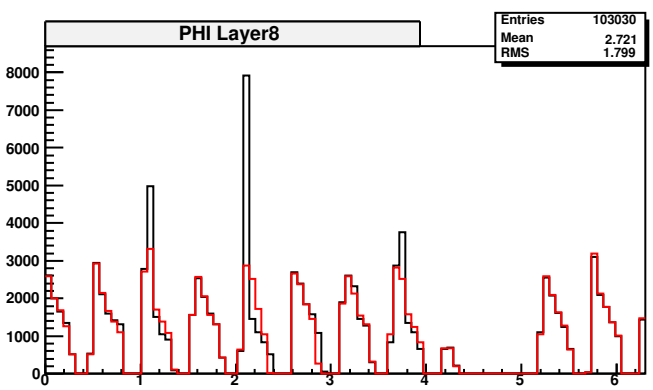




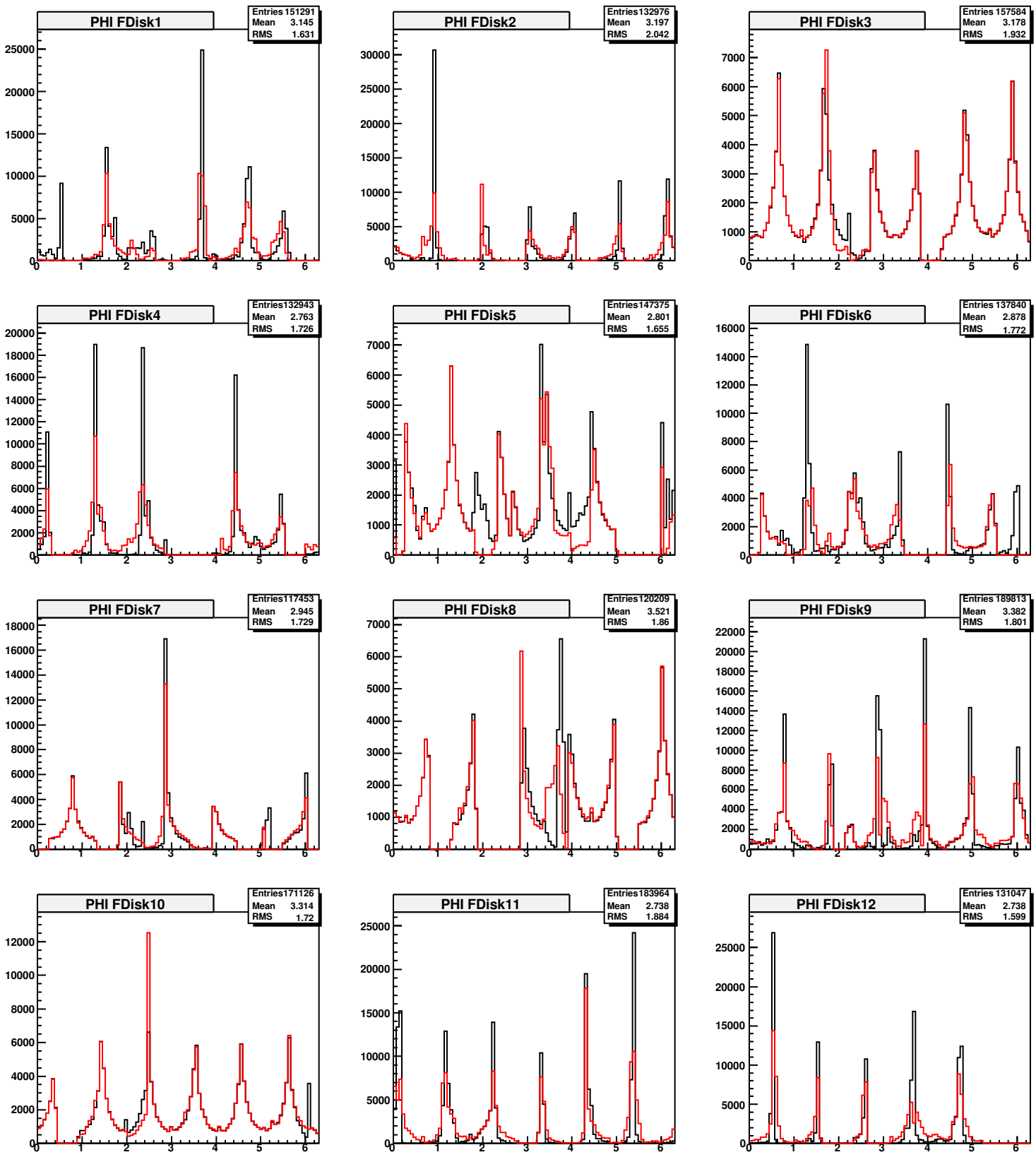




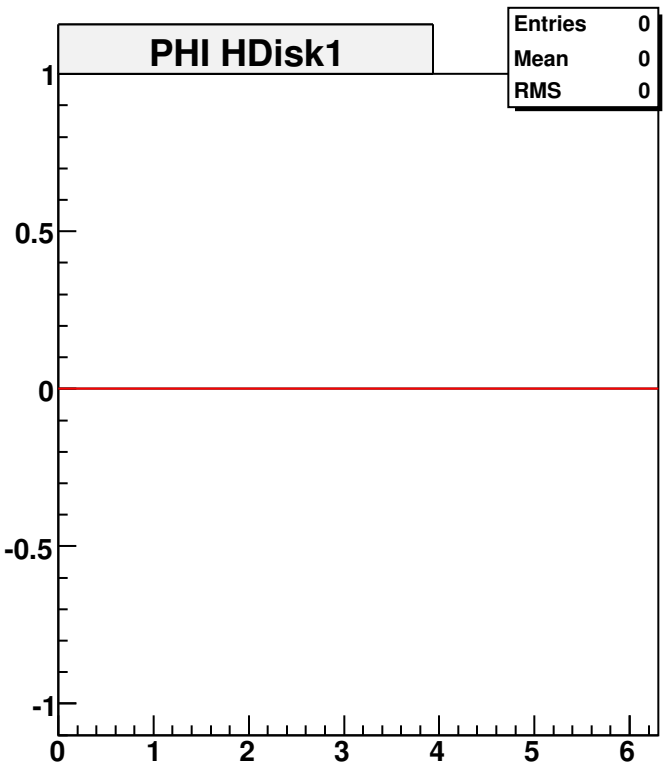


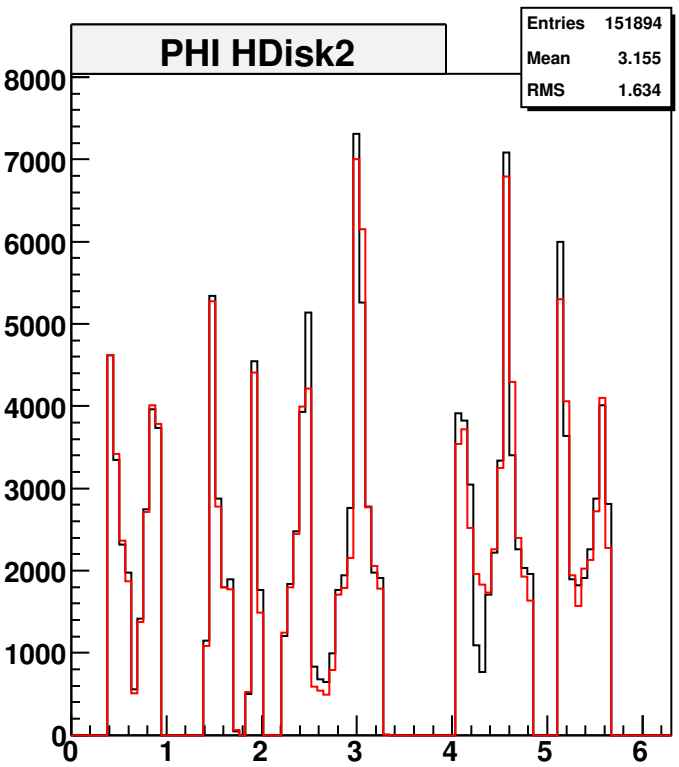


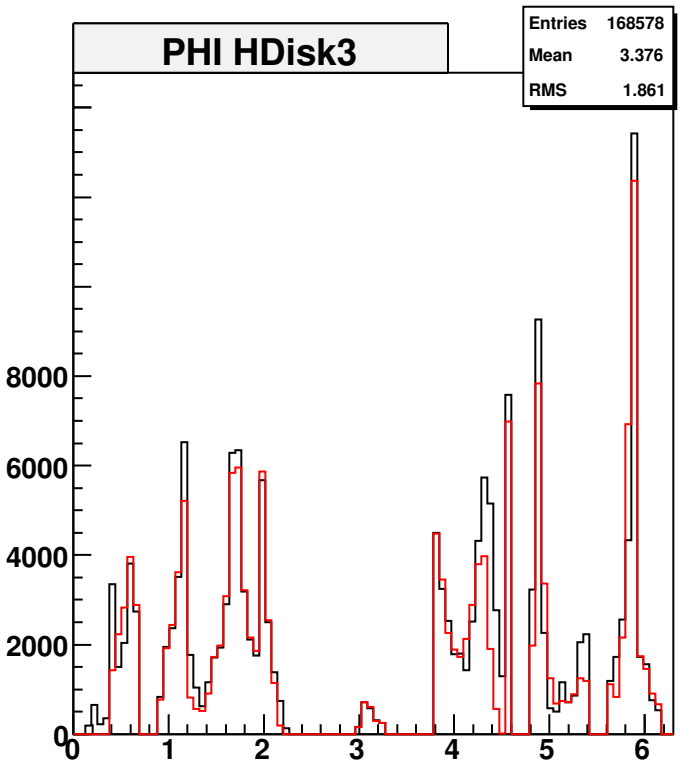
SmtClusters (ClustrBar6)

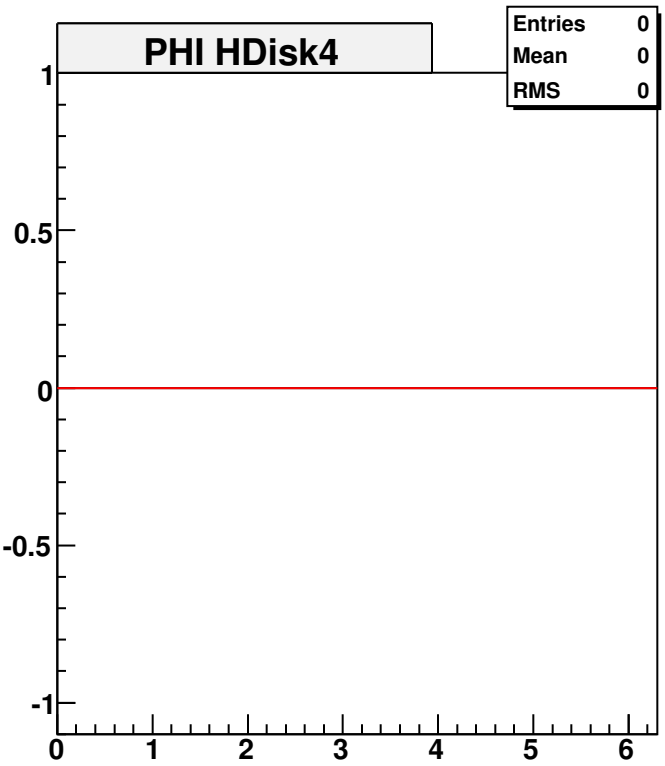


SmtClusters (FDiskClusters)

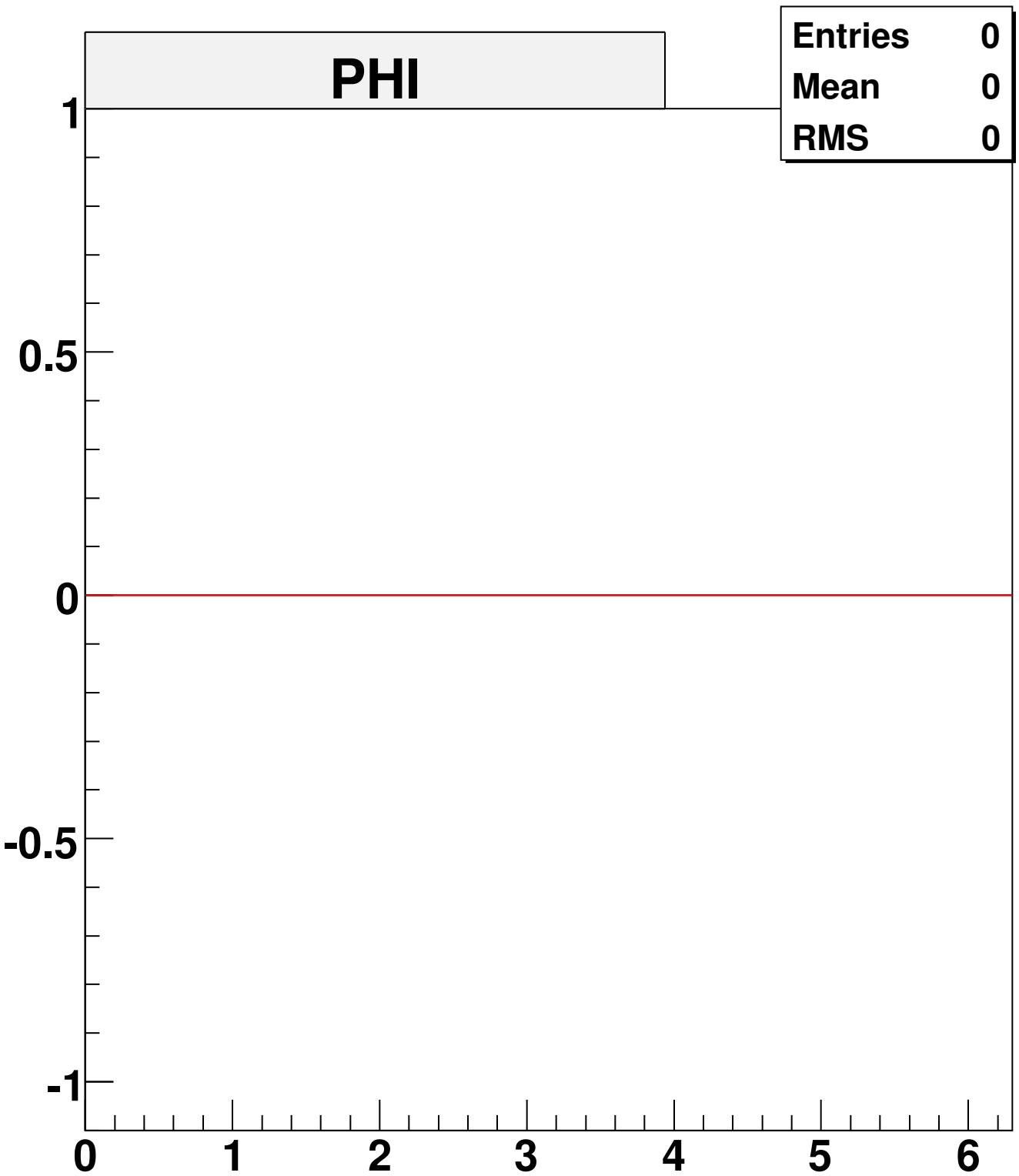


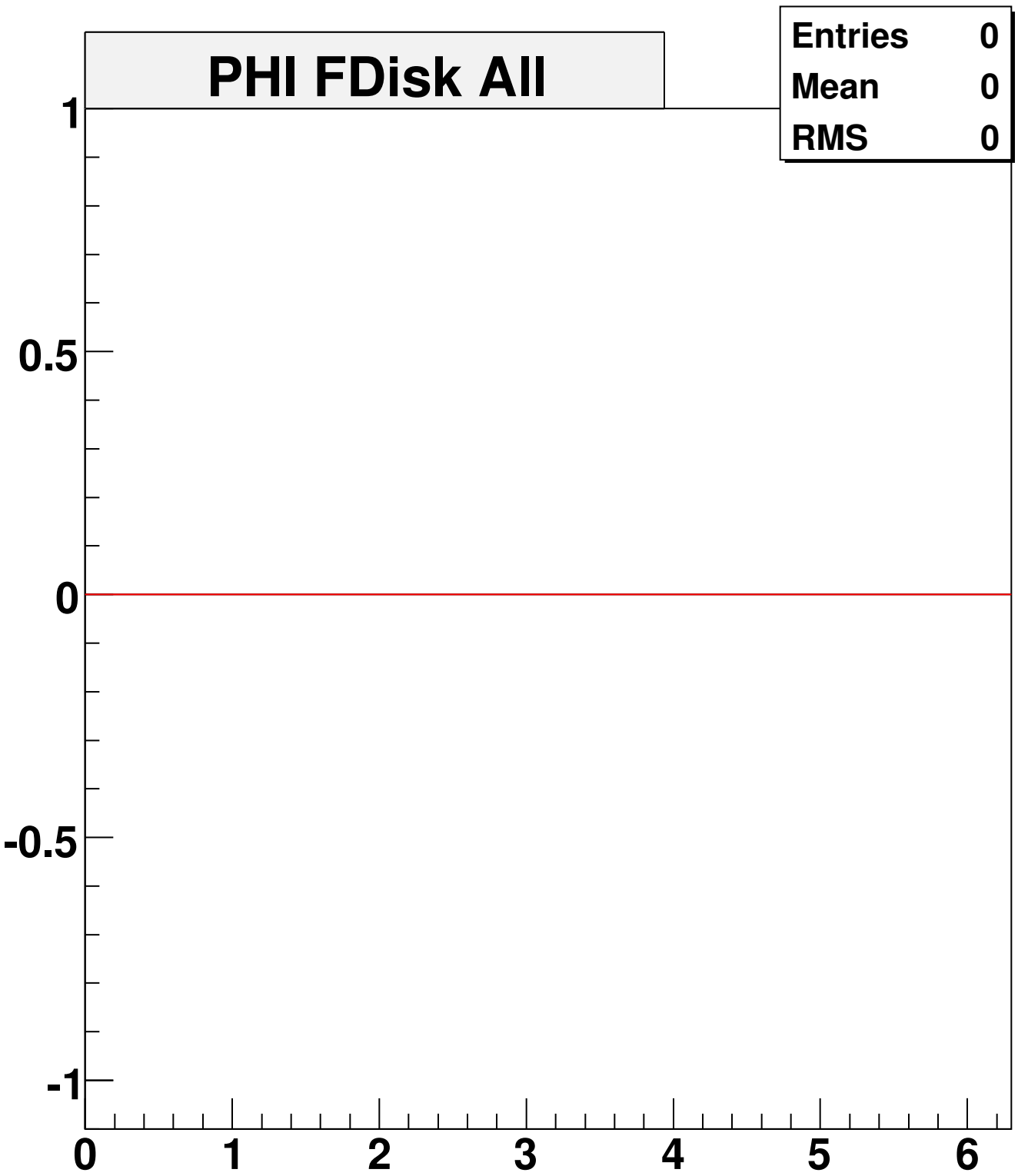






SmtClusters (HDiskClusters)


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
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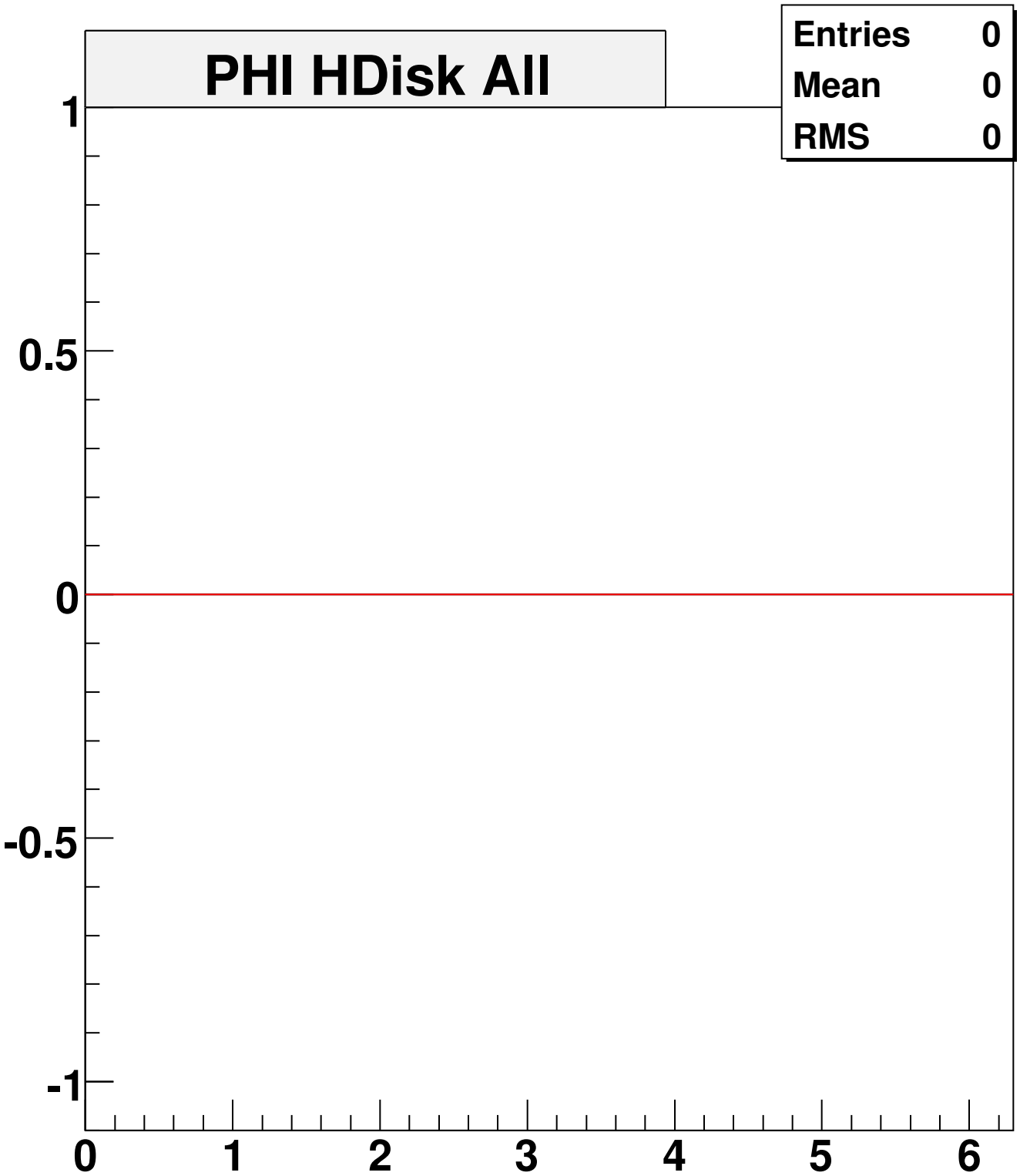
SmtClusters (allFDiskTClusters)


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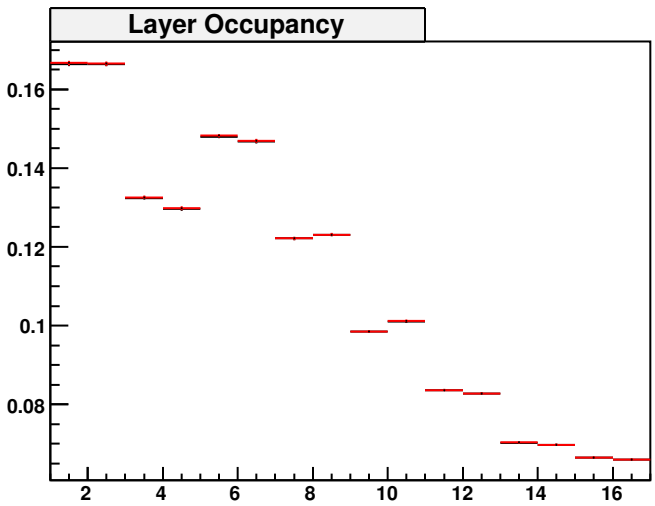
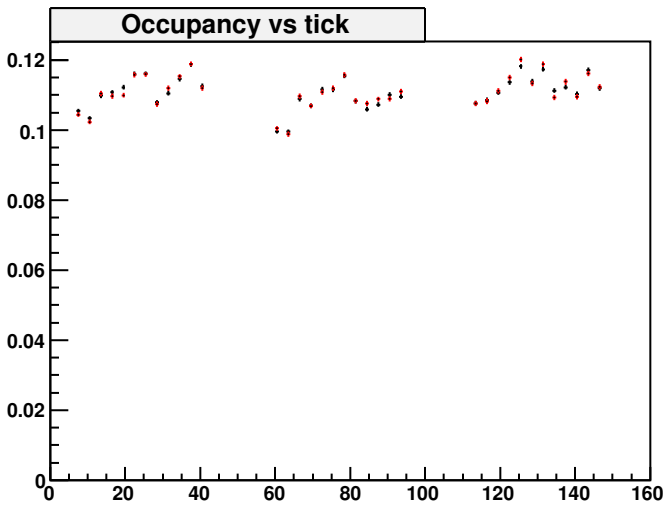
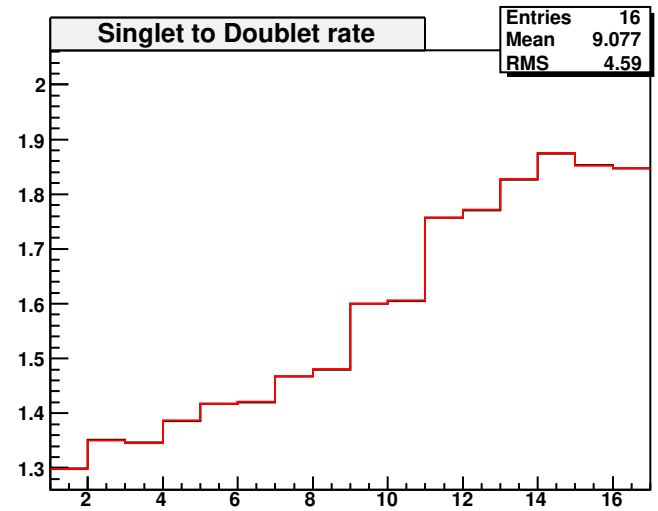
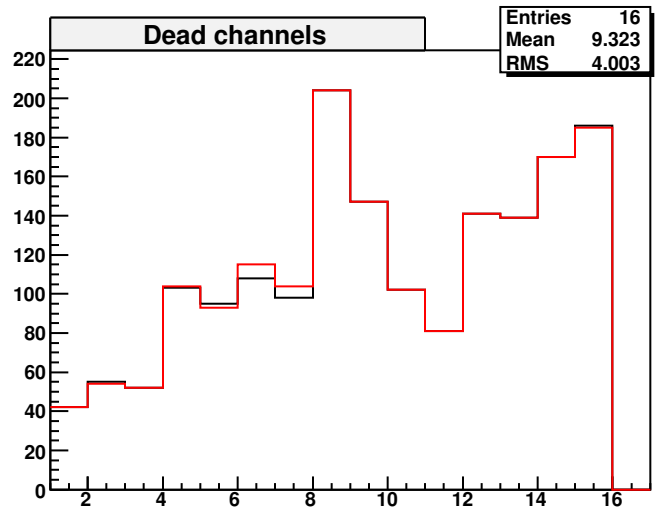
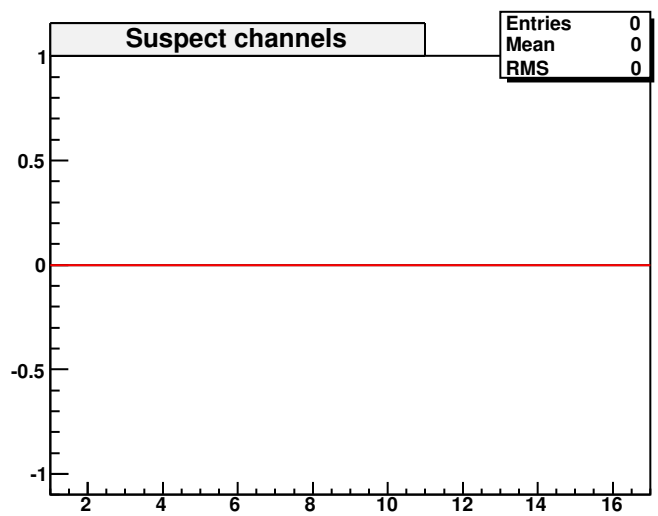
6
SmtClusters (allHDiskTClusters)

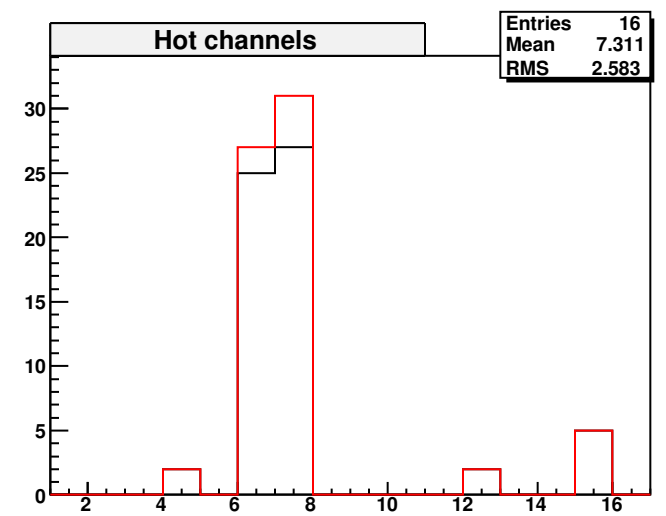




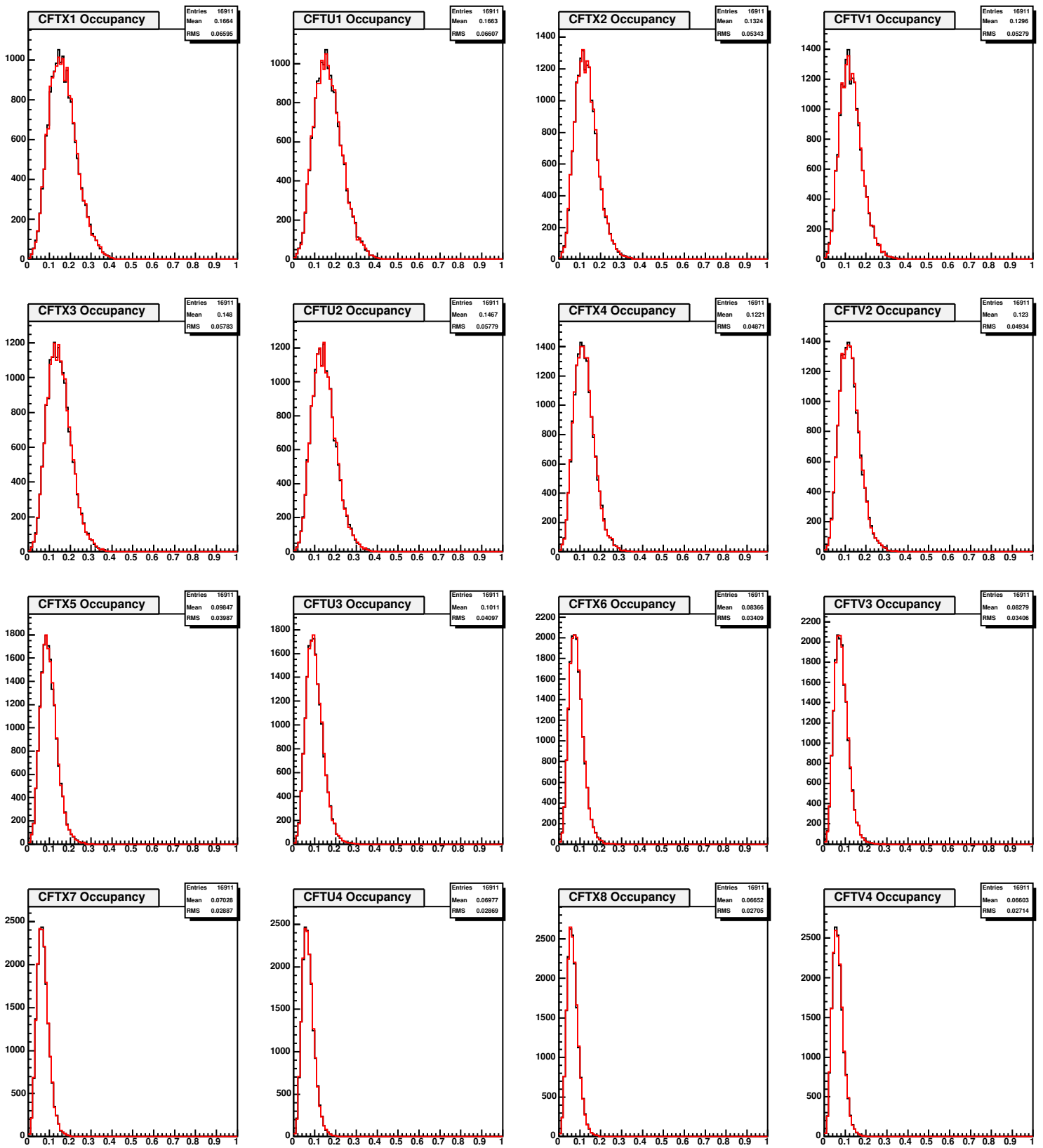




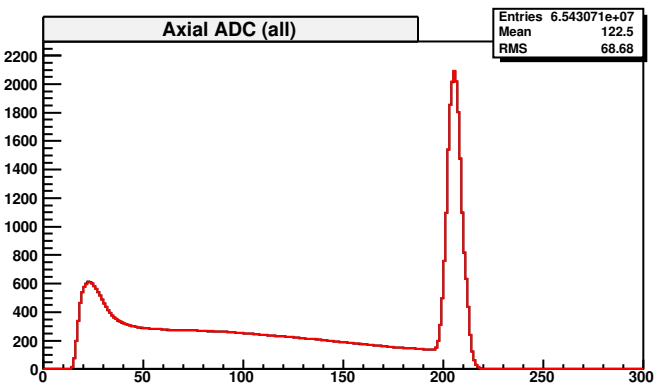


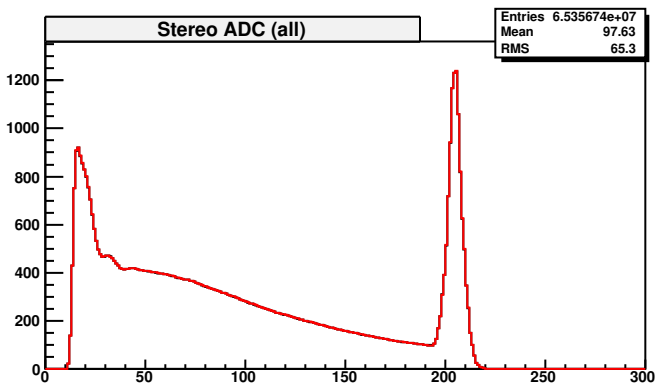


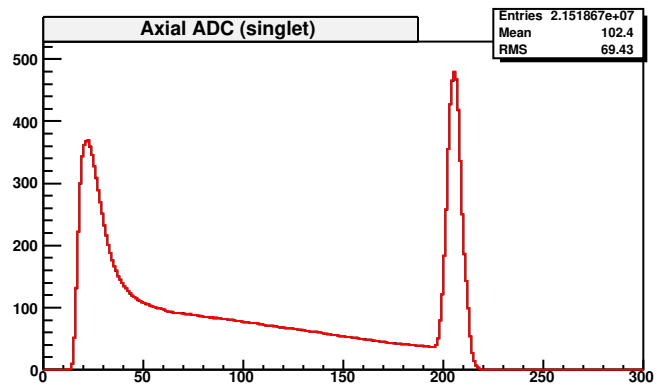
CFT Summary (All Clusters)

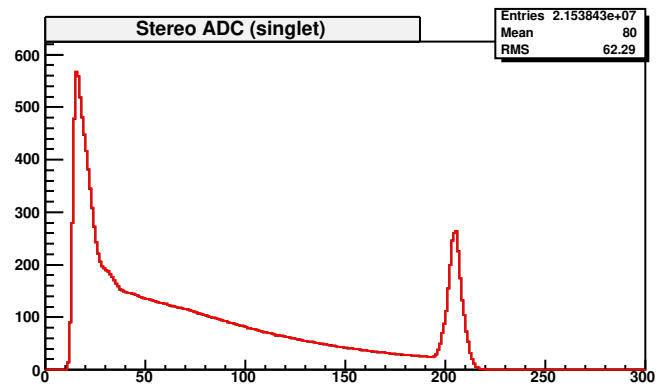


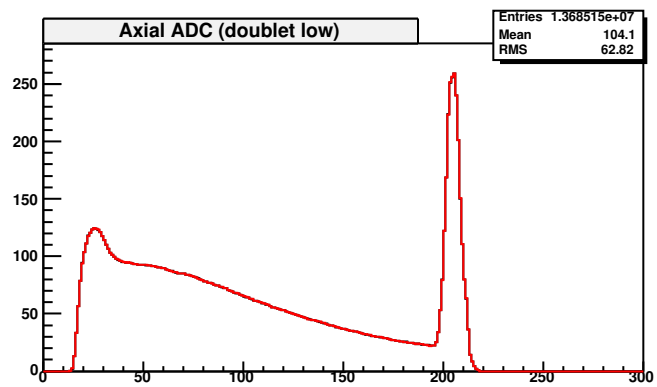
CFT Occupancy (All Clusters)

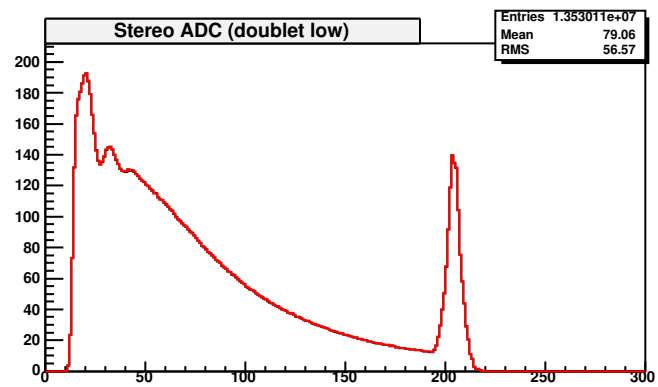


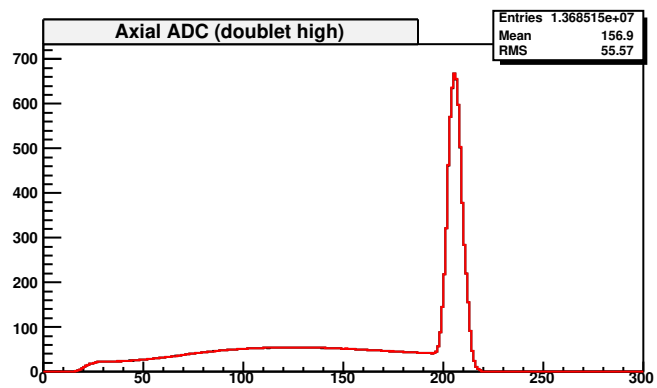


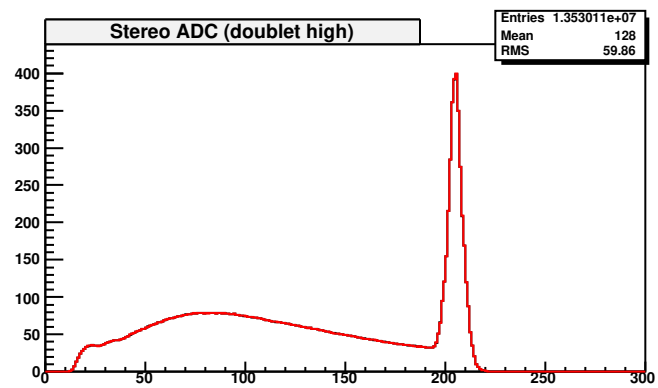




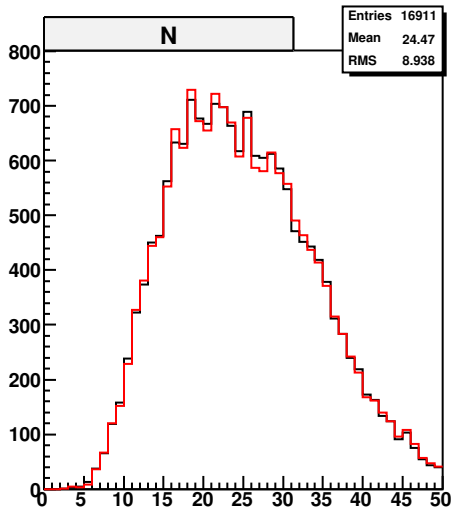


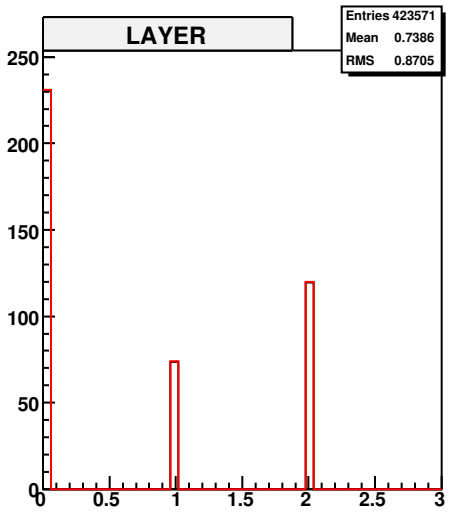


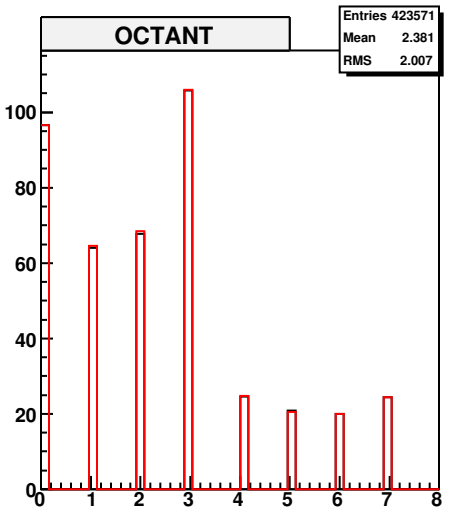


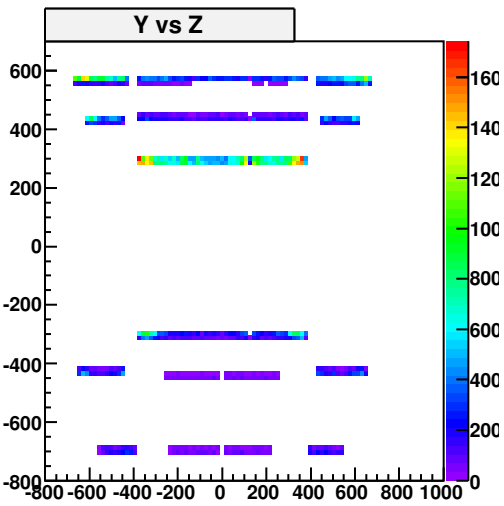


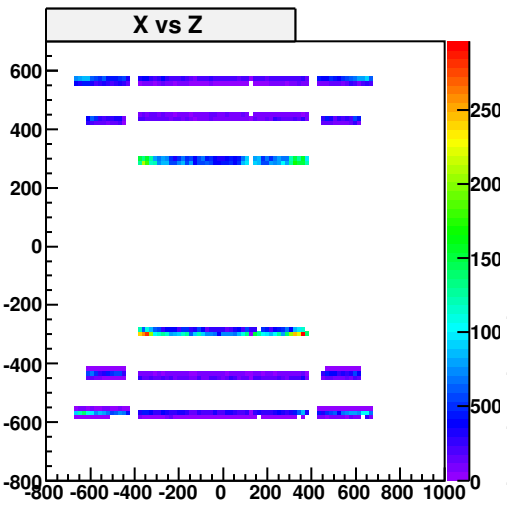
CFT ADC Summary (All Clusters)

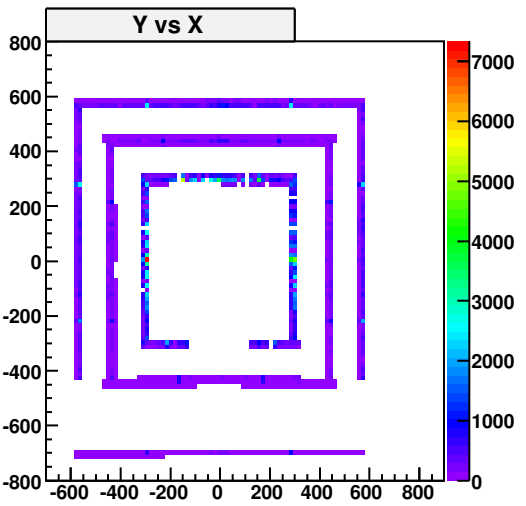

N
Entries 16911
Mean 24.47
RMS 8.938

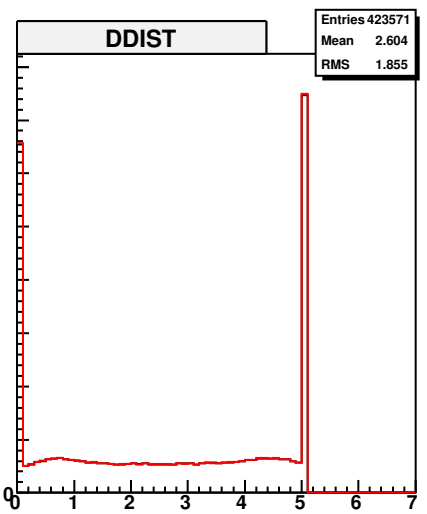

LAYER
Entries 423571
Mean 0.7386
RMS 0.8705

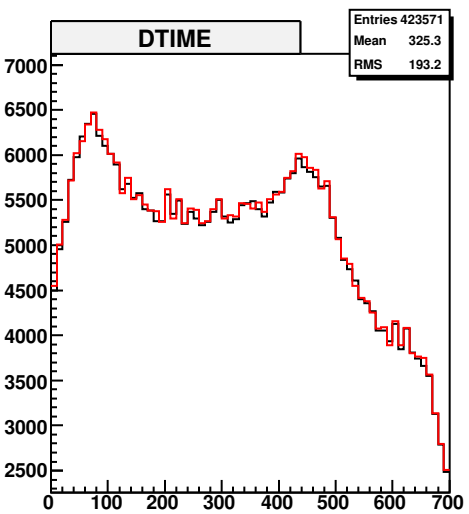

OCTANT
Entries 423571
Mean 2.381
RMS 2.007


Y vs Z

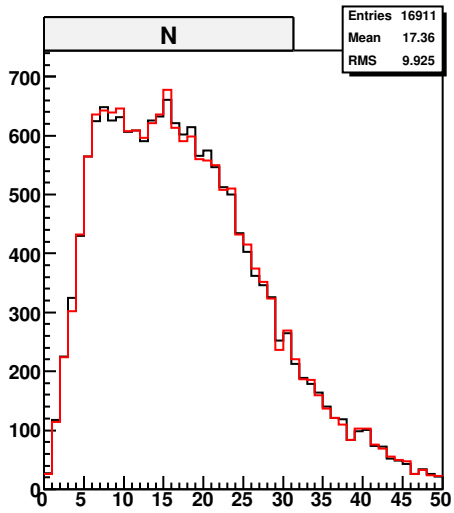

X vs Z

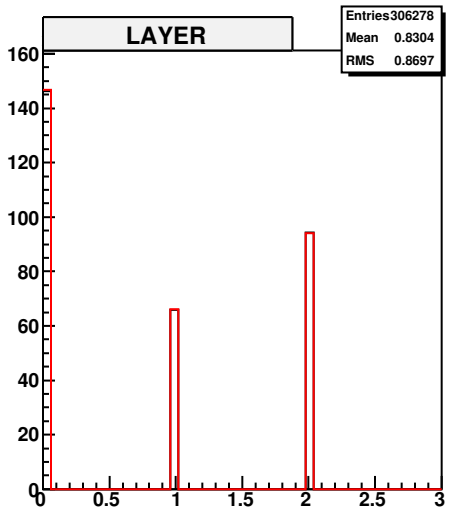

Y vs X

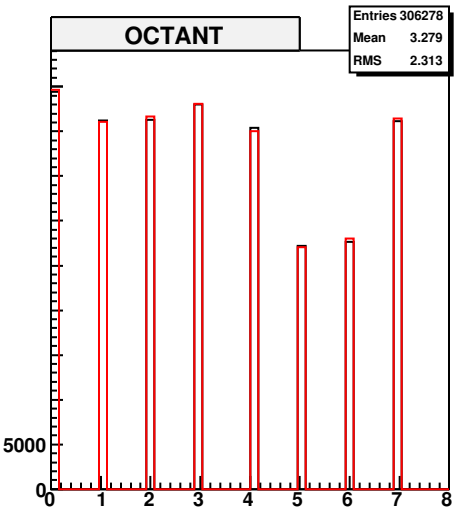

DDIST
Entries 423571
Mean 2.604
RMS 1.855

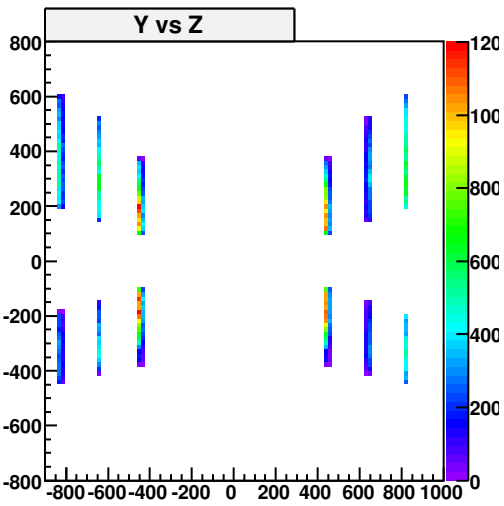

DTIME
Entries 423571
Mean 325.3
RMS 193.2

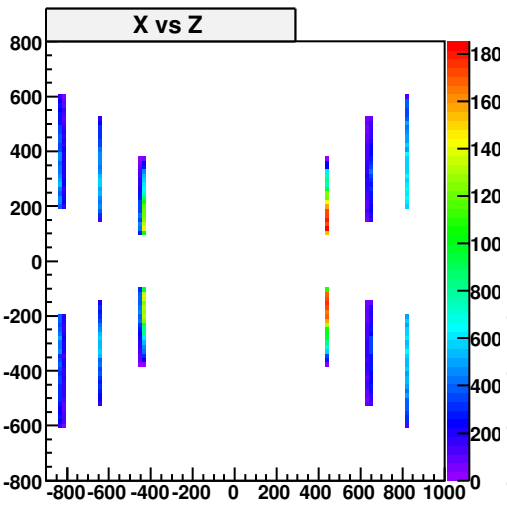
MuonPDT (All)

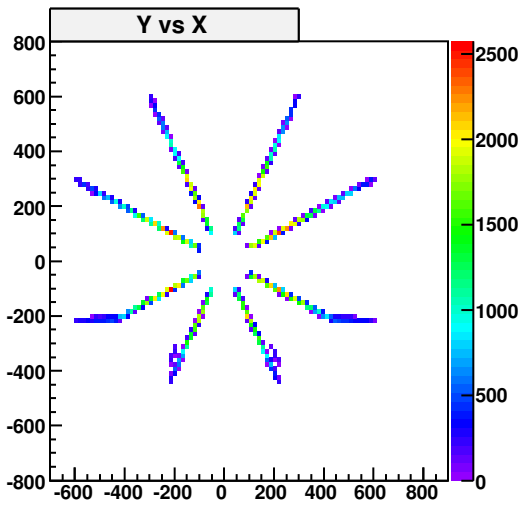

N
Entries 16911
Mean 17.36
RMS 9.925

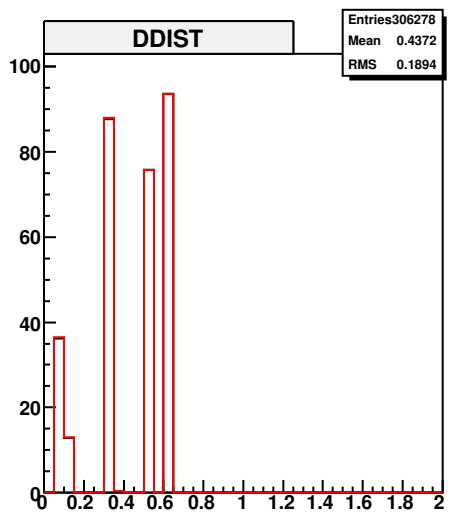

LAYER
Entries 306278
Mean 0.8304
RMS 0.8697

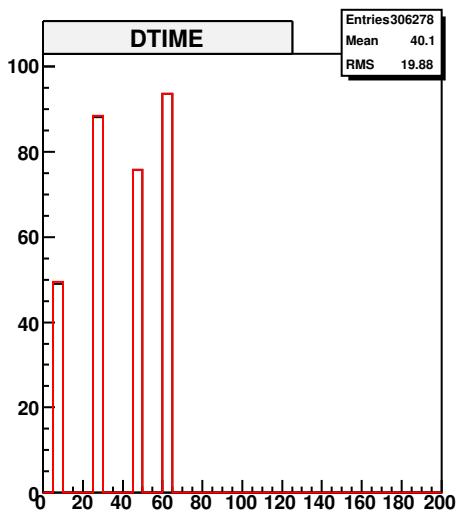

OCTANT
Entries 306278
Mean 3.279
RMS 2.313


Y vs Z

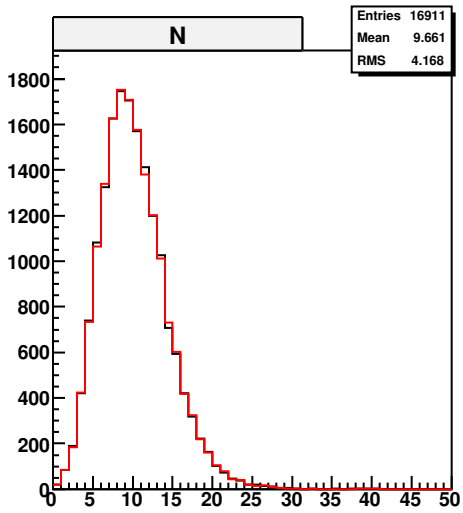

X vs Z

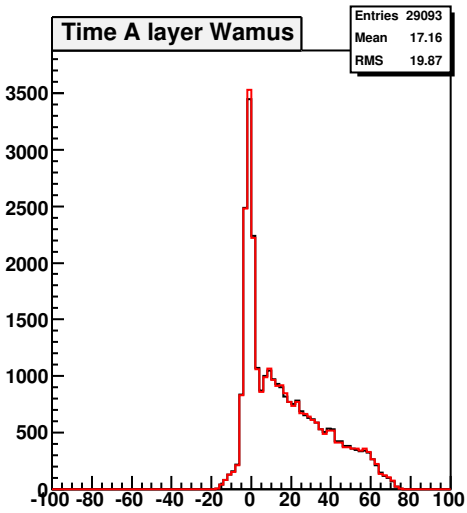

Y vs X

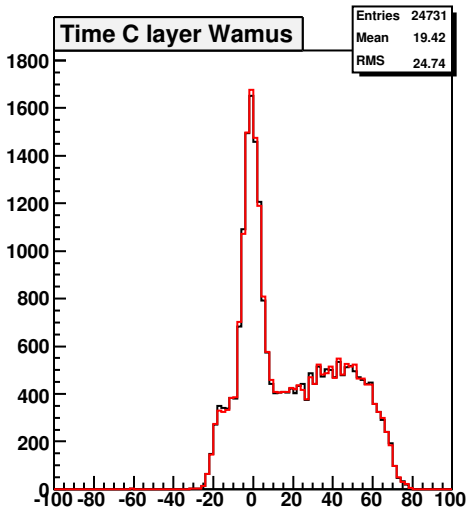

DDIST
Entries 306278
Mean 0.4372
RMS 0.1894

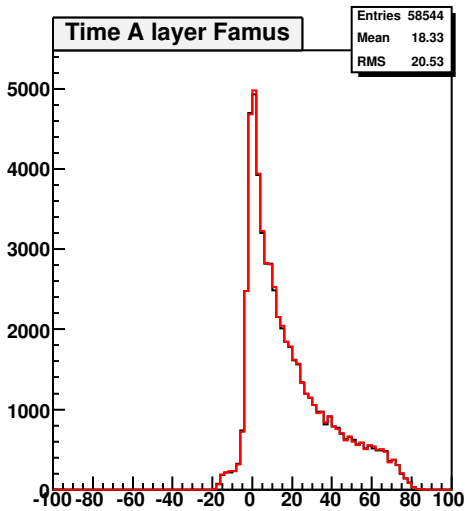

DTIME
Entries 306278
Mean 40.1
RMS 19.88

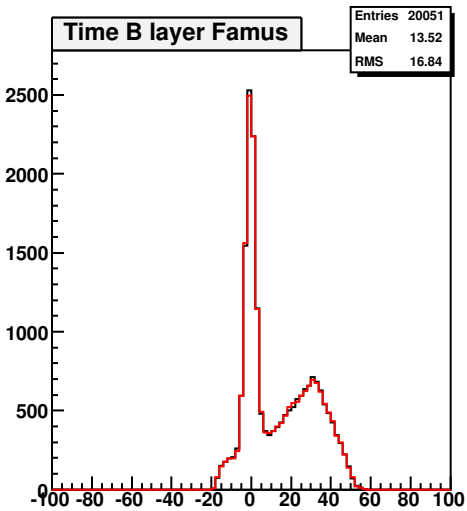
MuonMDT (All)

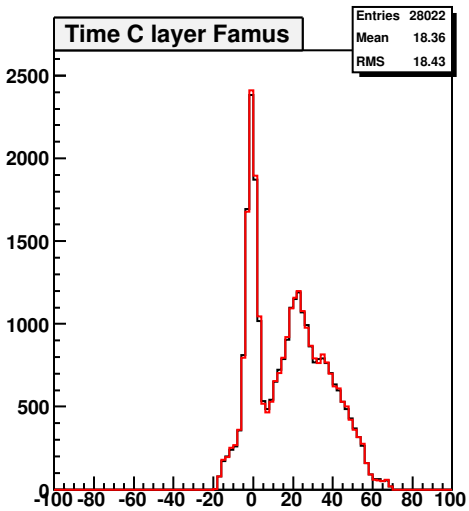

N
Entries 16911
Mean 9.661
RMS 4.168

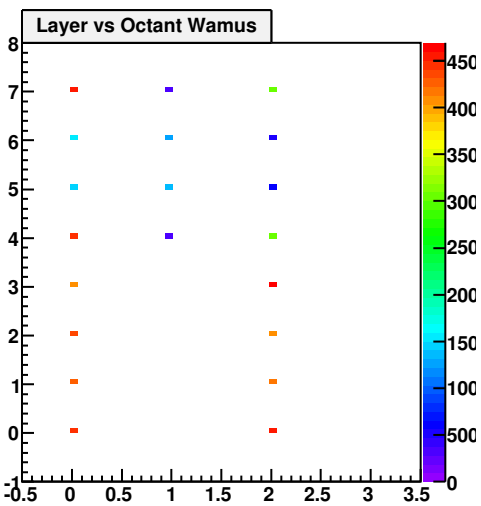

Time A layer Wamus
Entries 29093
Mean 17.16
RMS 19.87

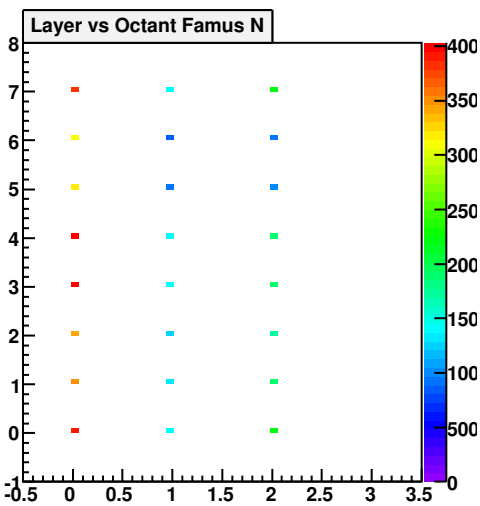

Time C layer Wamus
Entries 24731
Mean 19.42
RMS 24.74

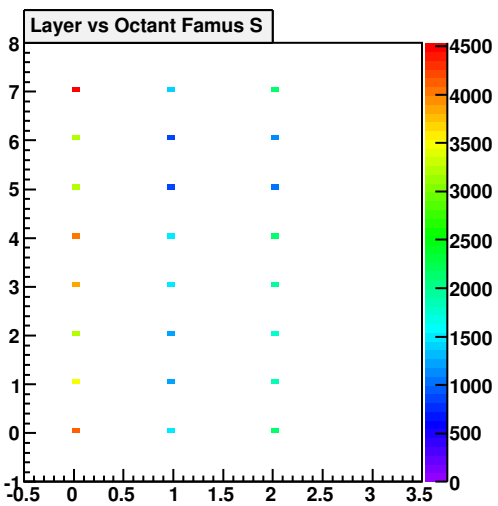

Time A layer Famus
Entries 58544
Mean 18.33
RMS 20.53


Time B layer Famus
Entries 20051
Mean 13.52
RMS 16.84

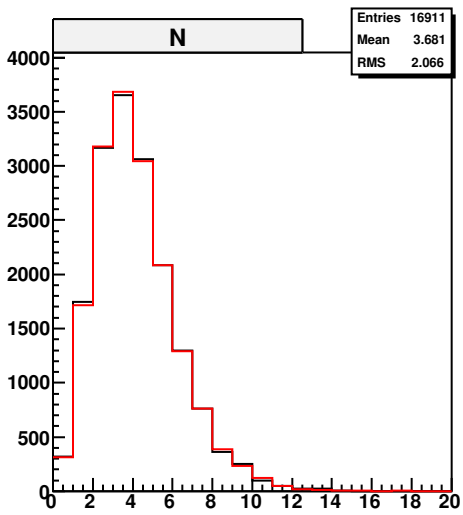

Time C layer Famus
Entries 28022
Mean 18.36
RMS 18.43

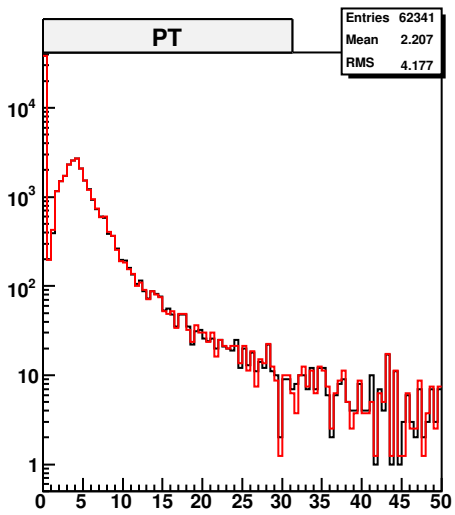

Layer vs Octant Wamus

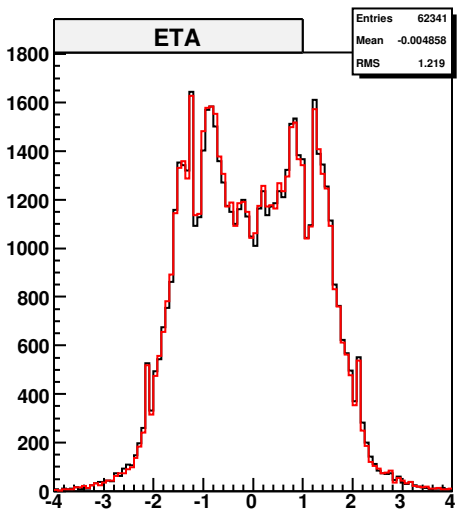

Layer vs Octant Famus N

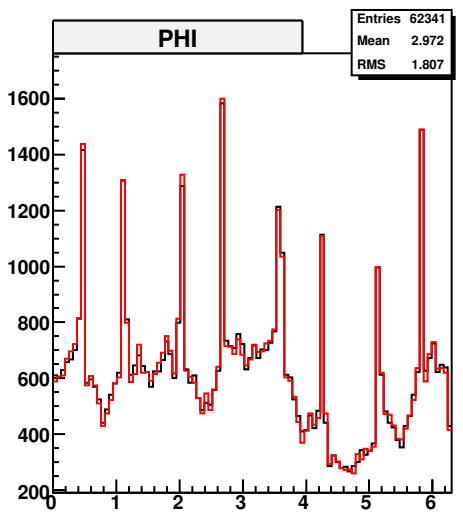

Layer vs Octant Famus S

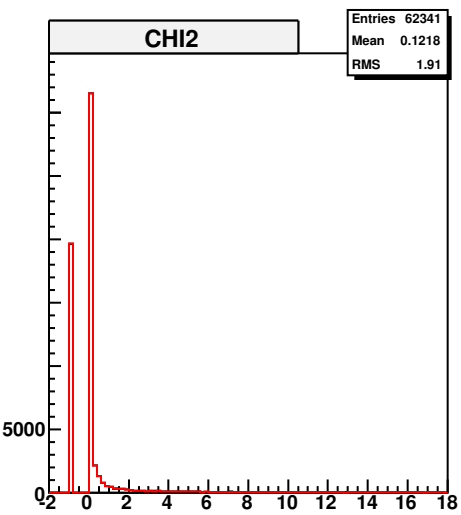
MuonMSC (All)

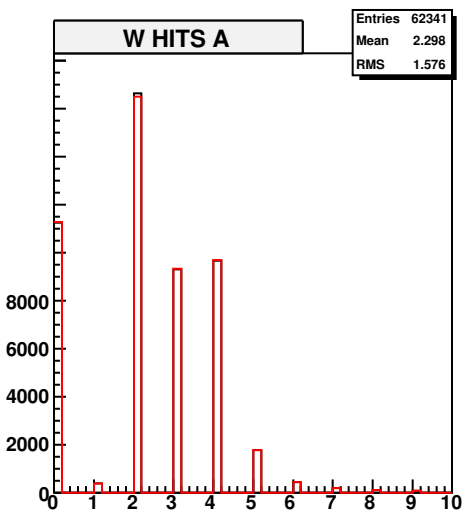


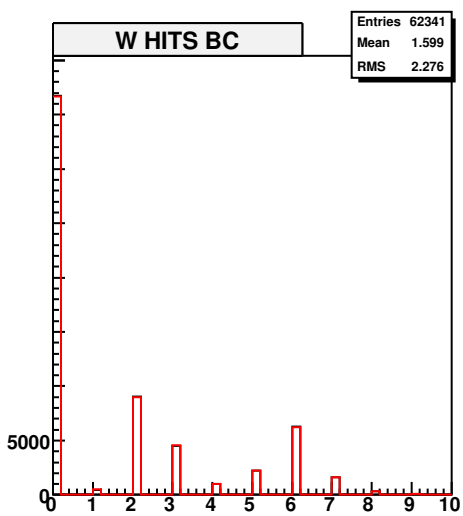


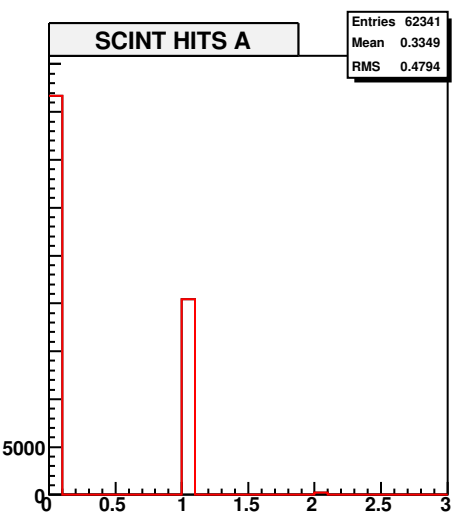


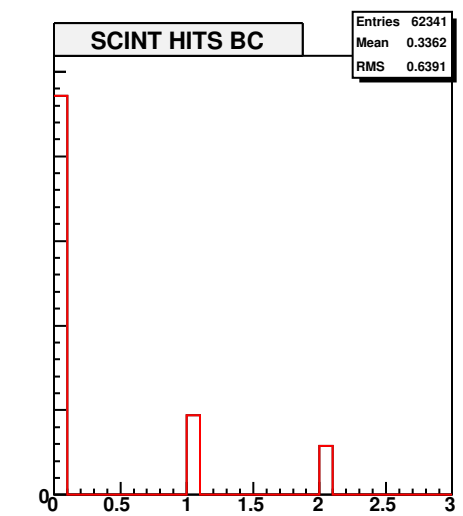




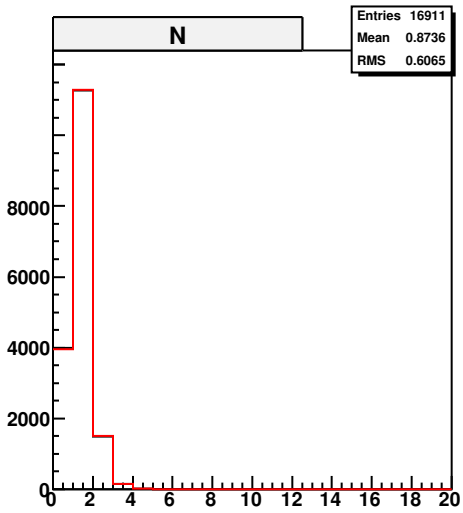


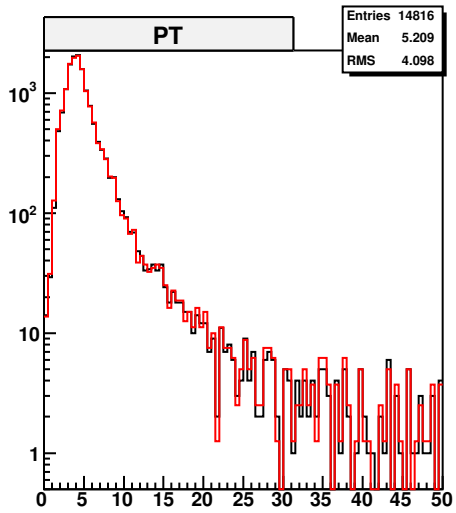


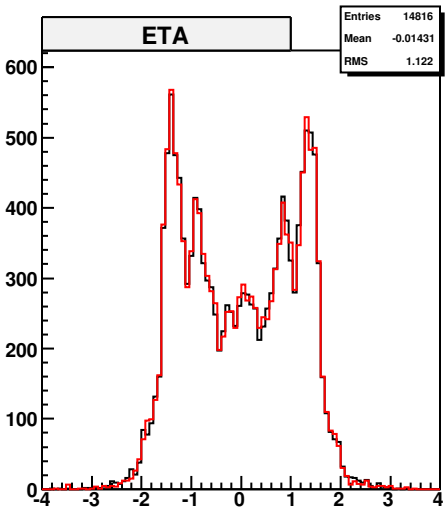


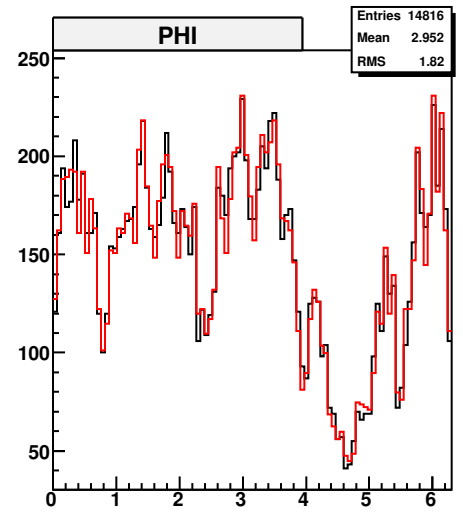


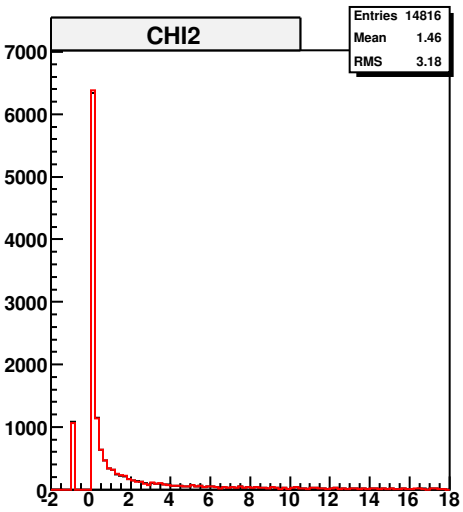
Muon Local Tracks (All)

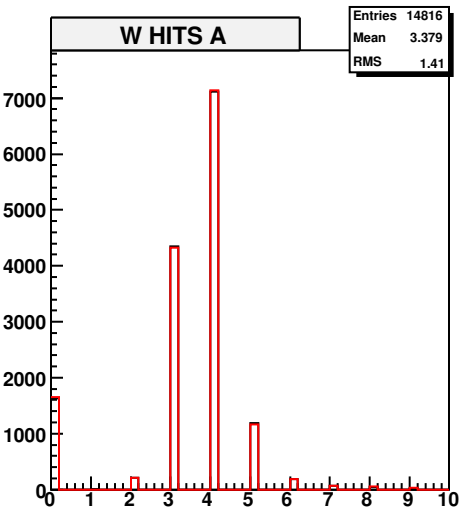


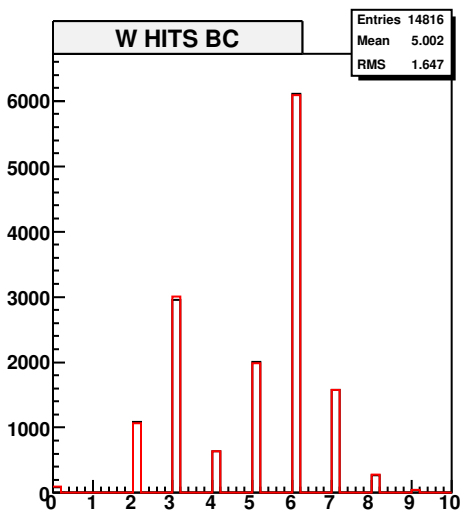


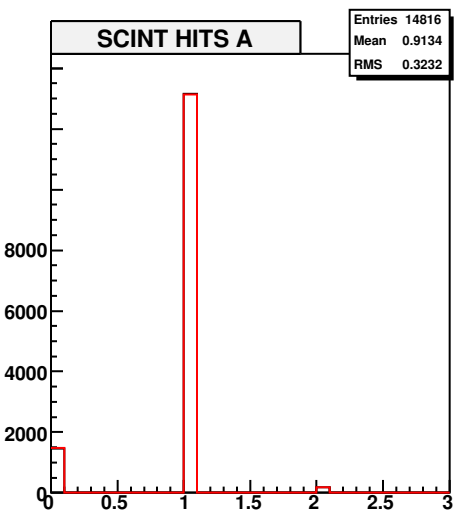


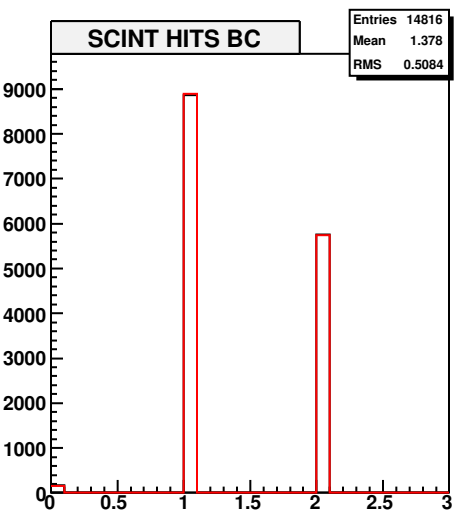




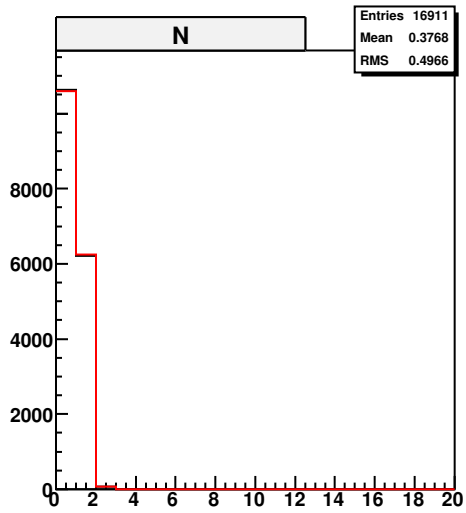


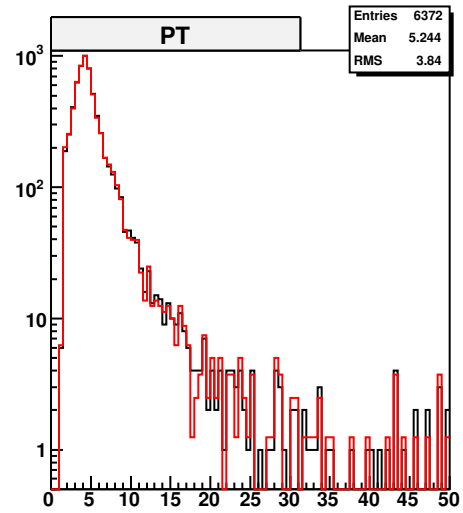


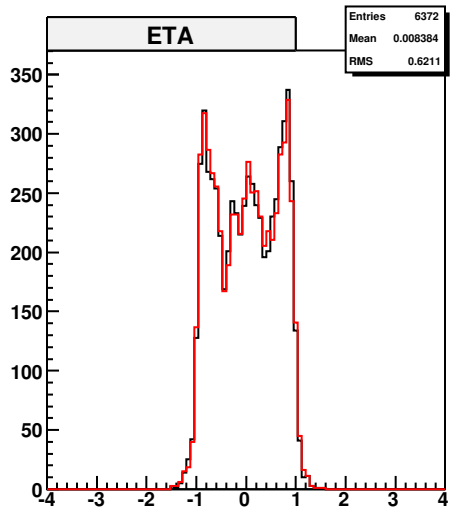


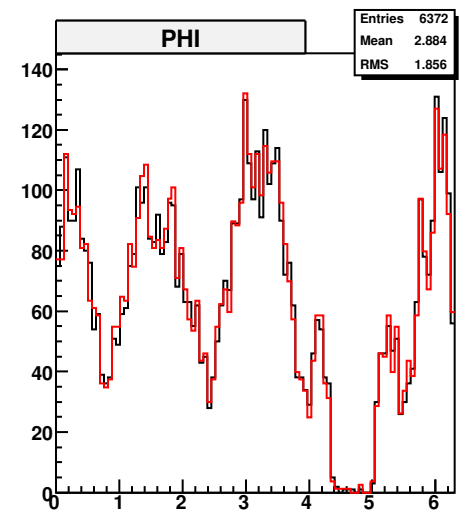


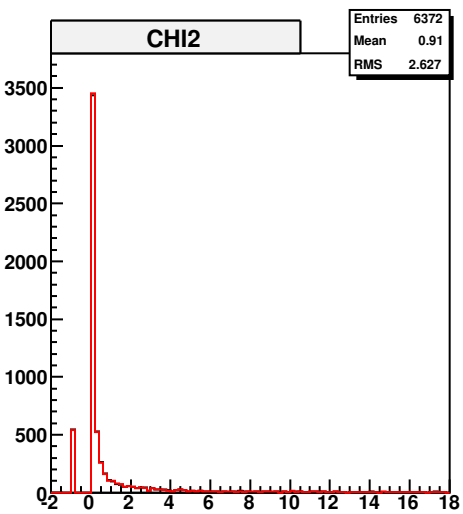
Muon Local Tracks (LooseWamus)

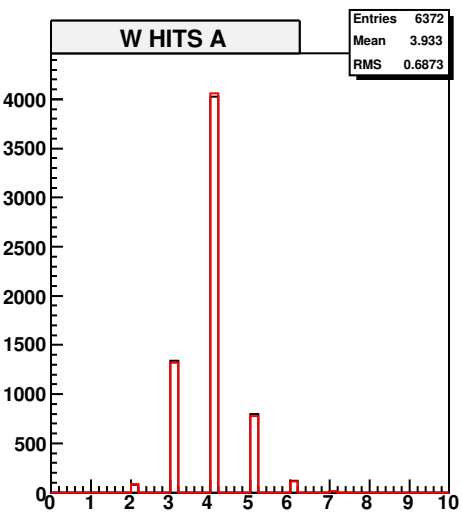


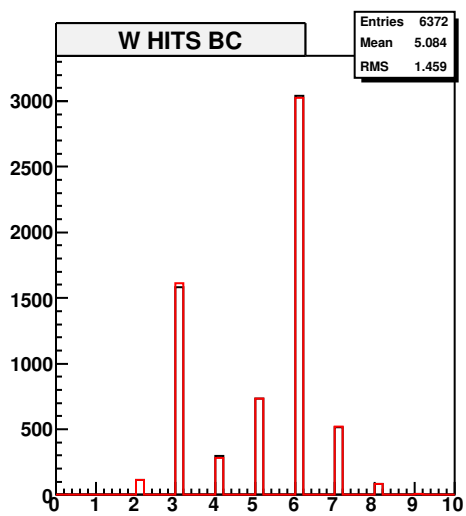


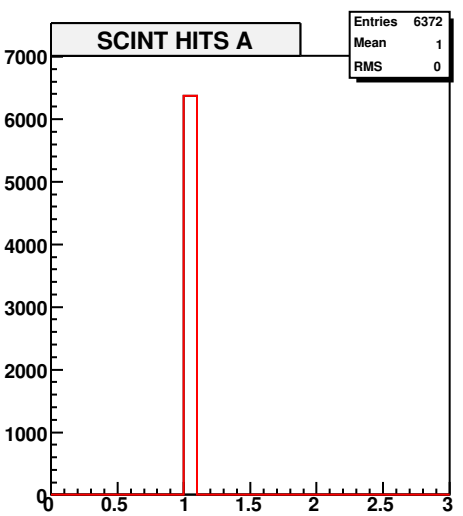


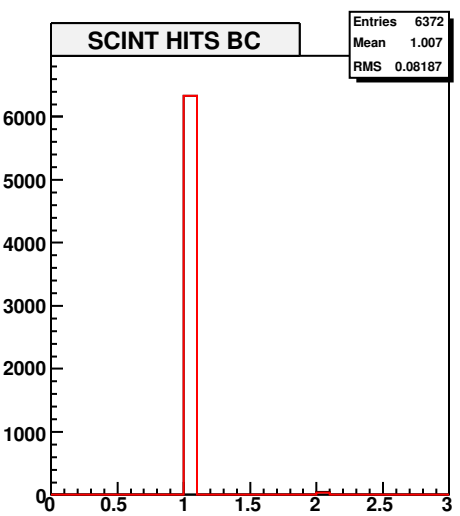




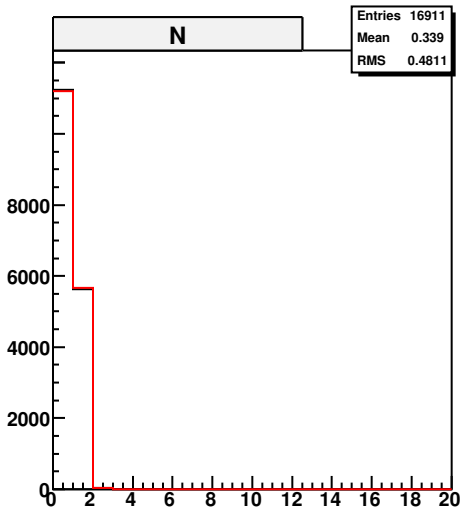


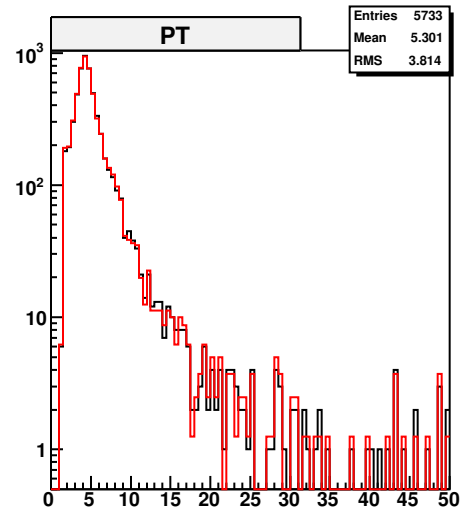


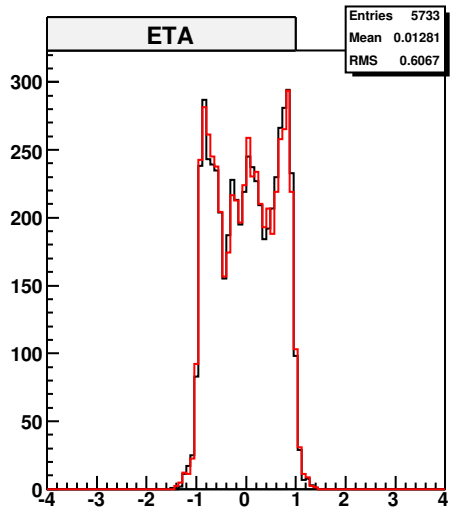


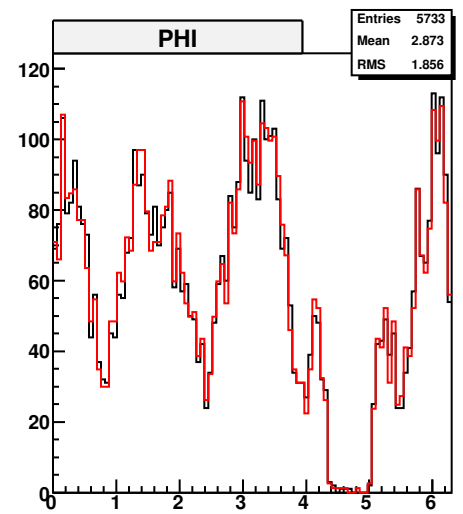


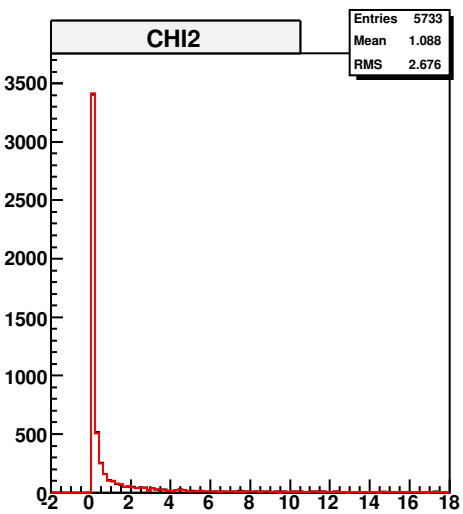
Muon Local Tracks (MediumWamus)

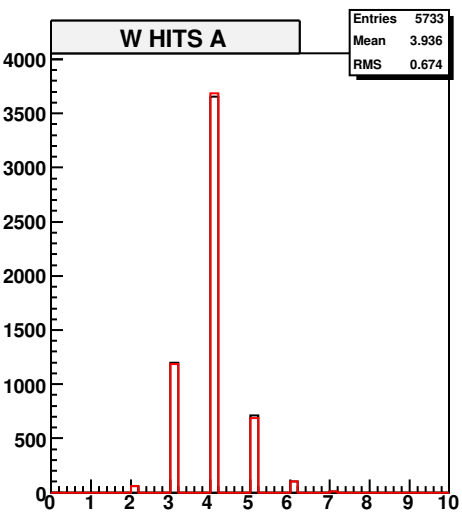


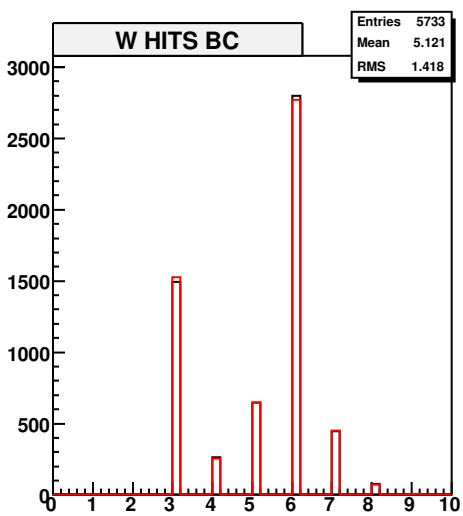


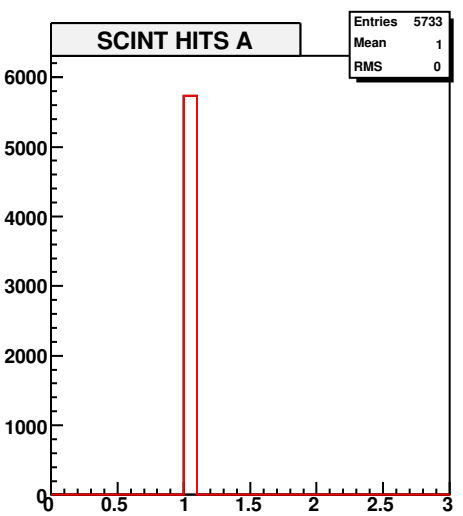


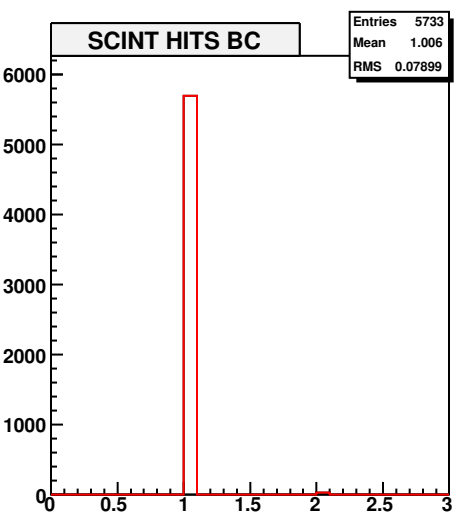




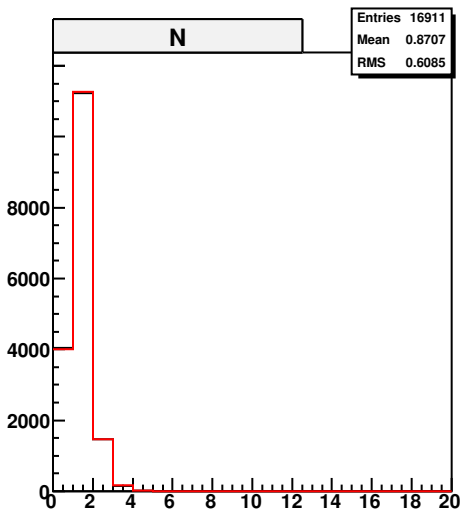


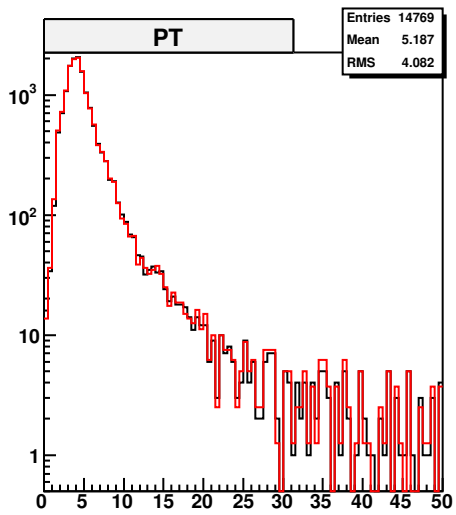


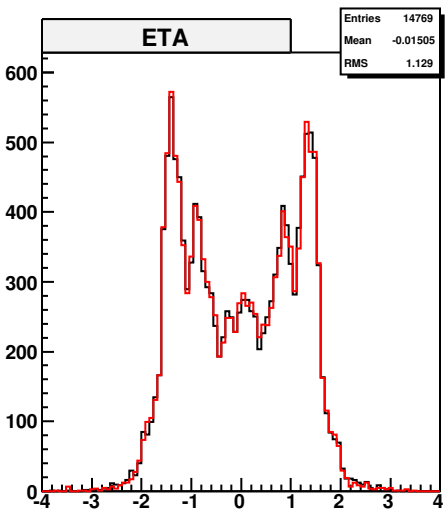


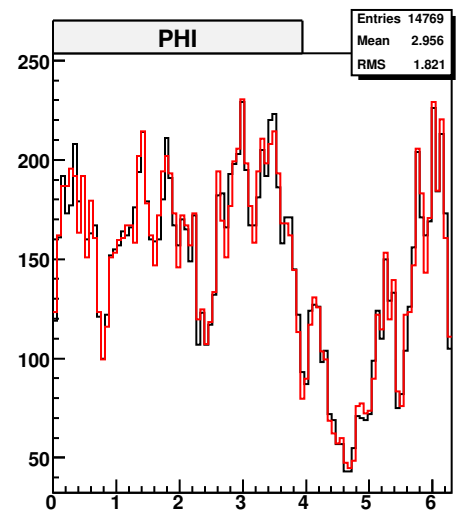


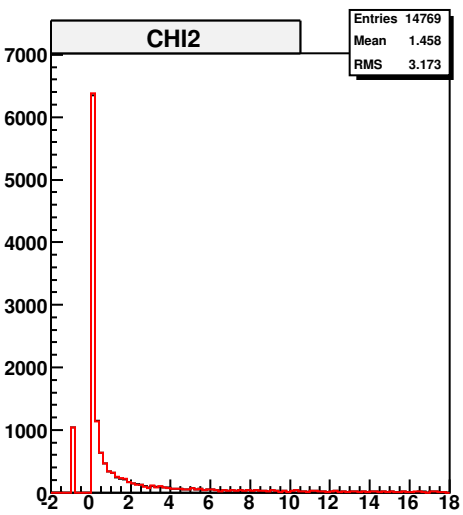
Muon Local Tracks (TightWamus)

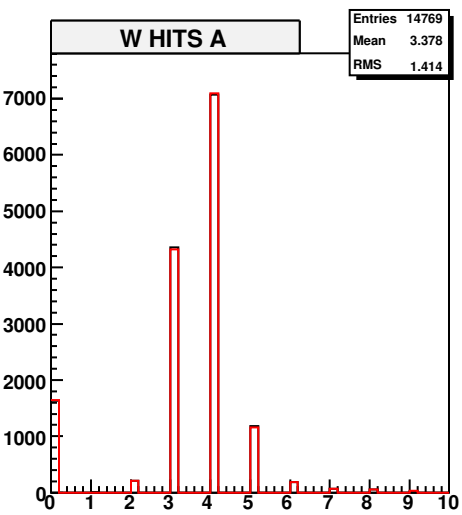


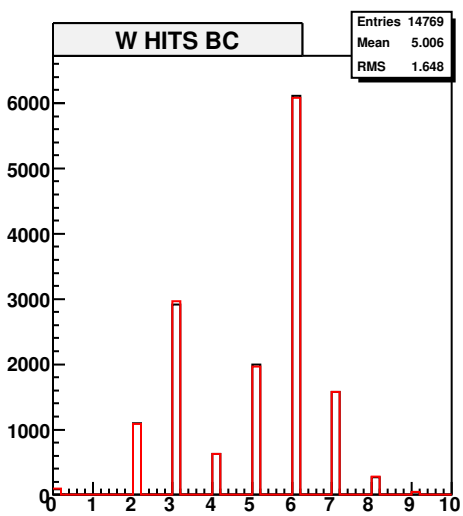


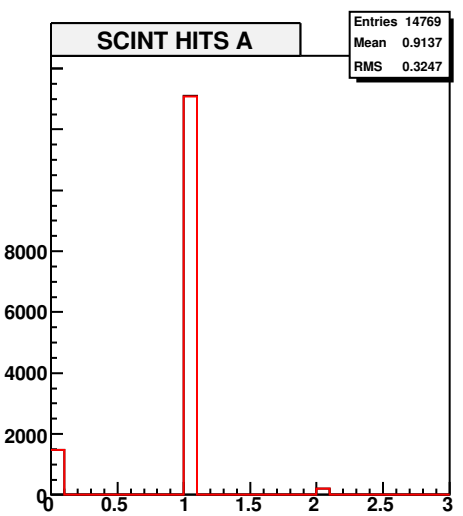


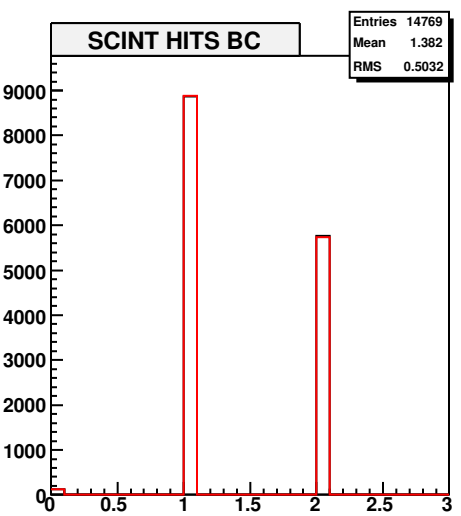




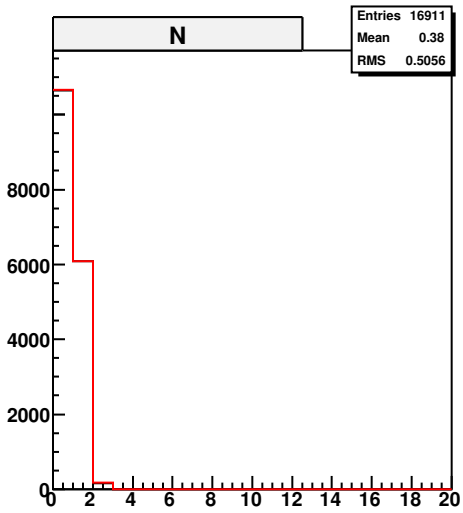


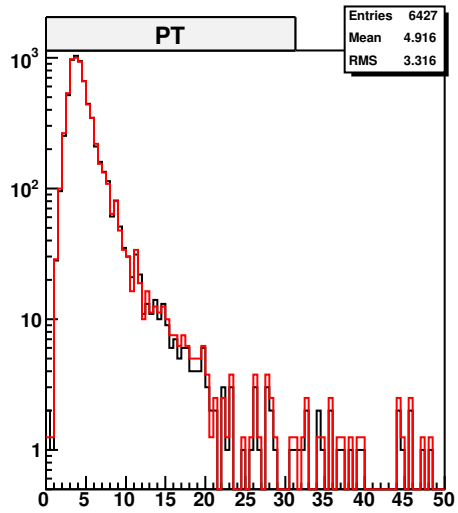


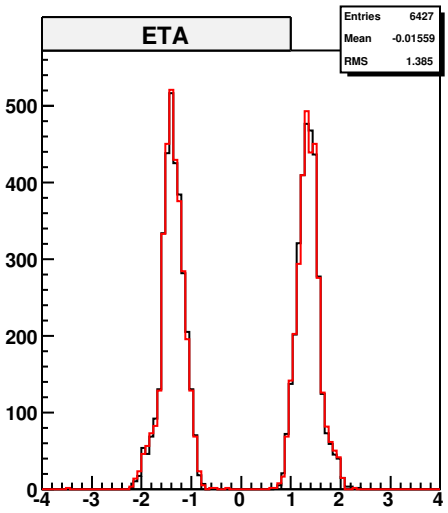


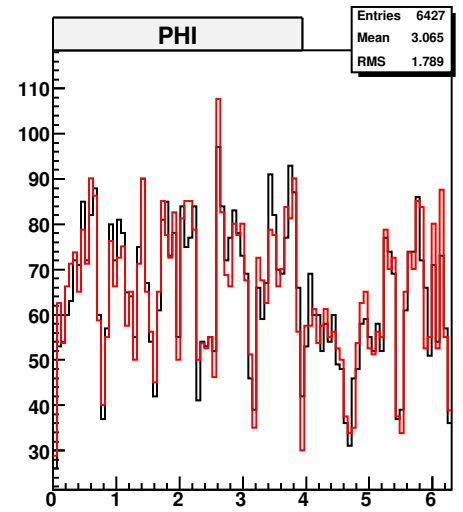


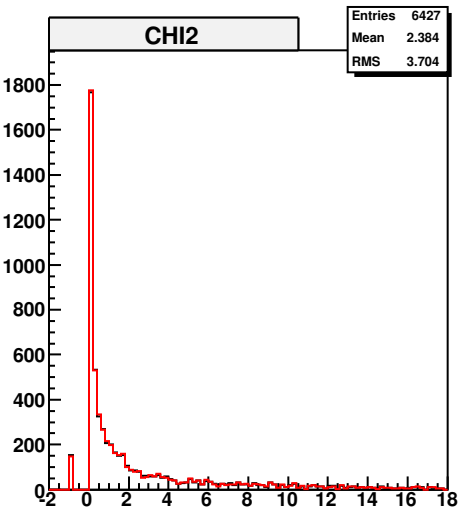
Muon Local Tracks (LooseFamus)

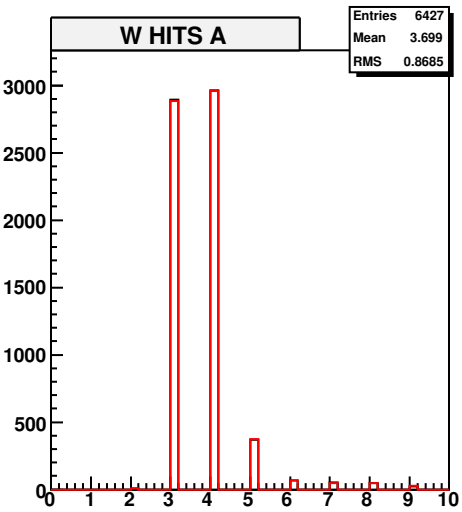


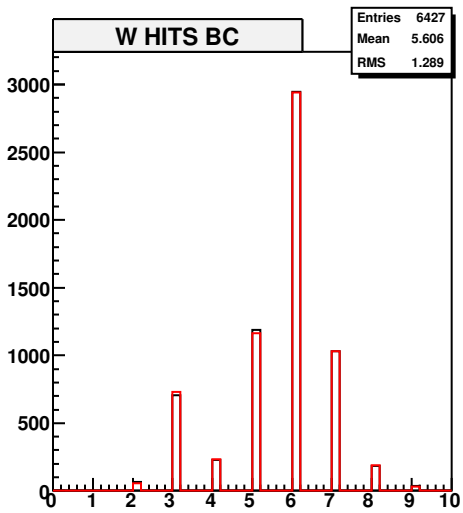


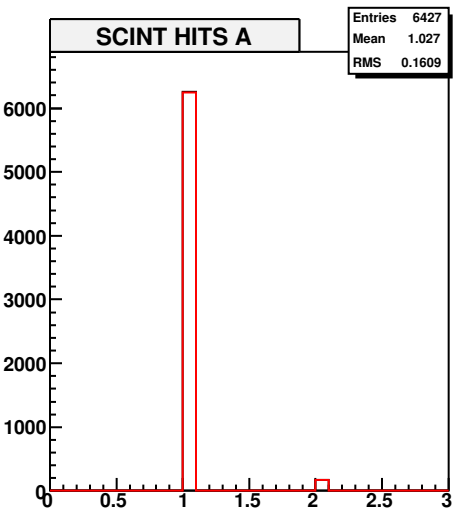


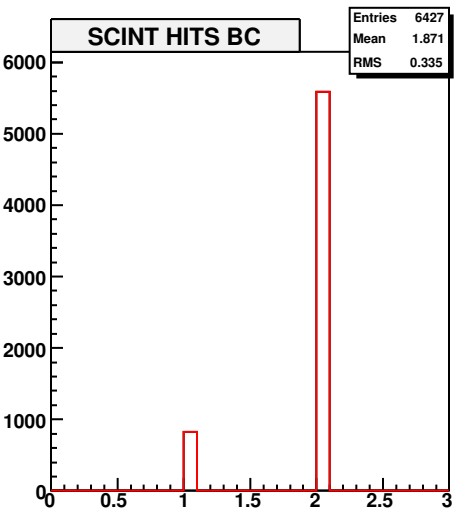




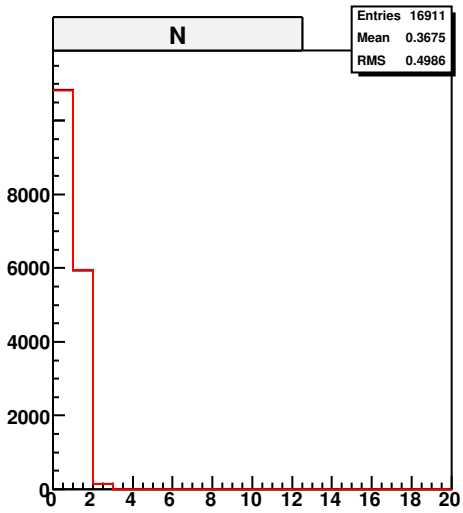


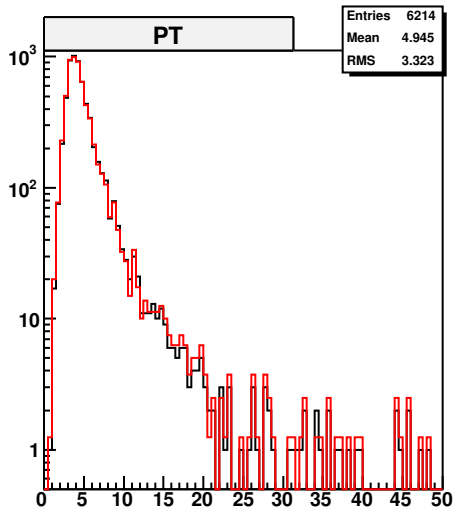


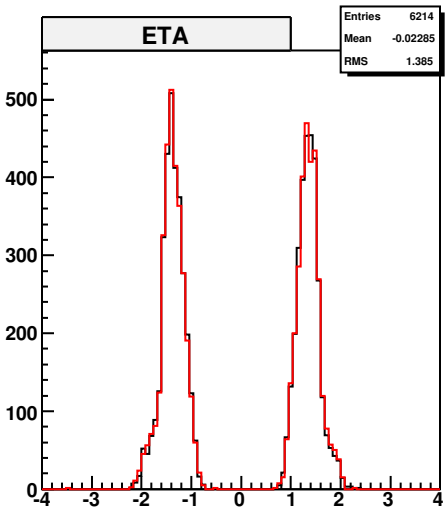


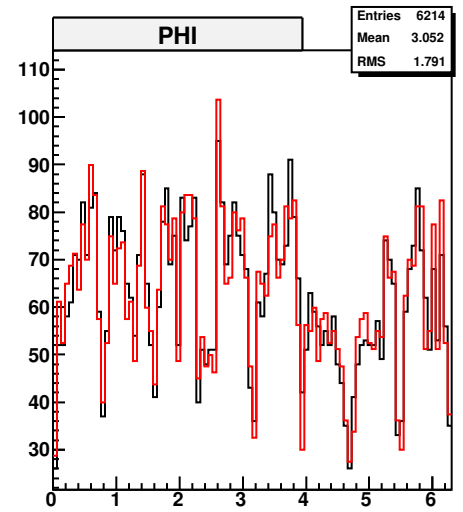


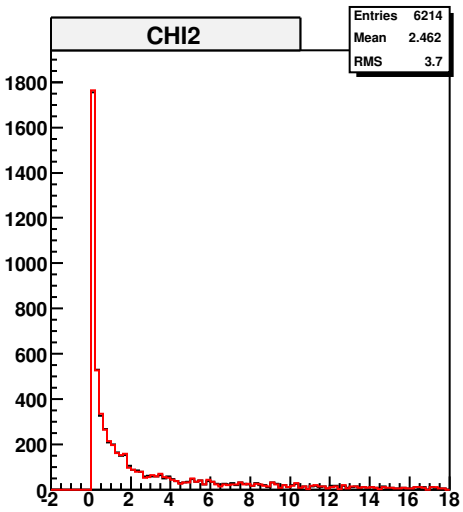
Muon Local Tracks (MediumFamus)

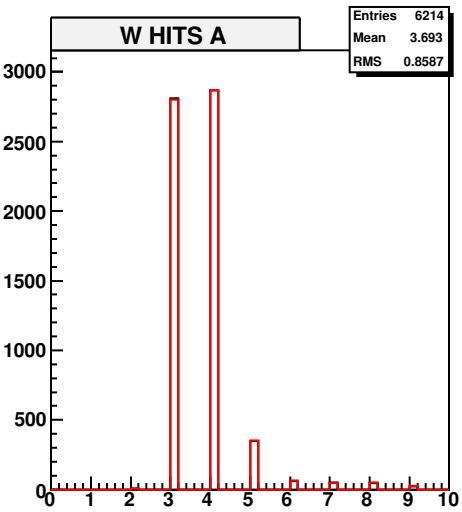


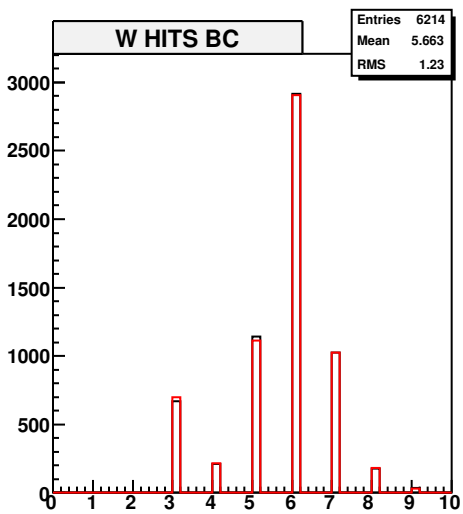


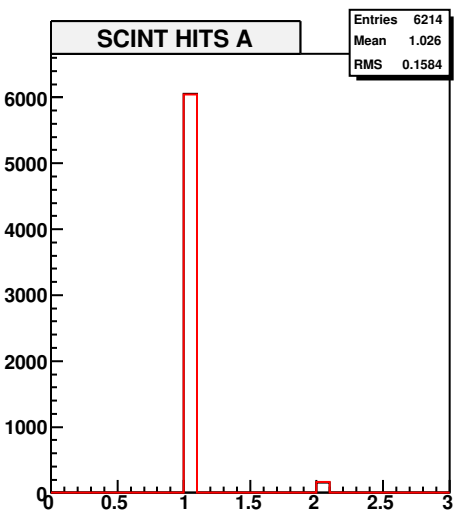


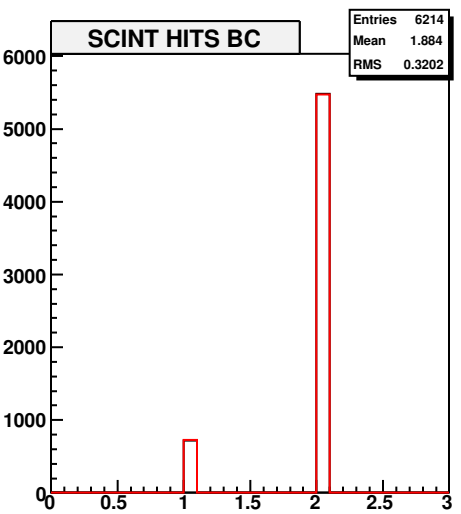




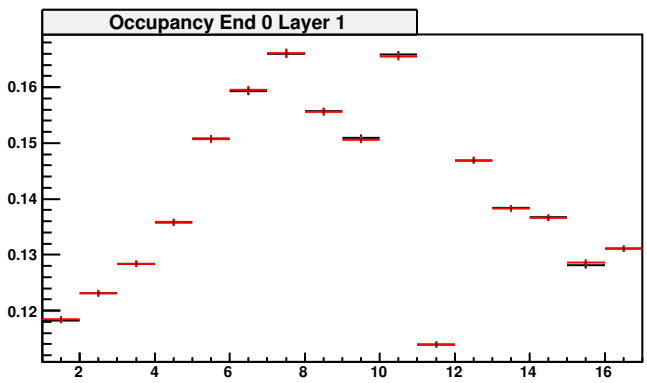


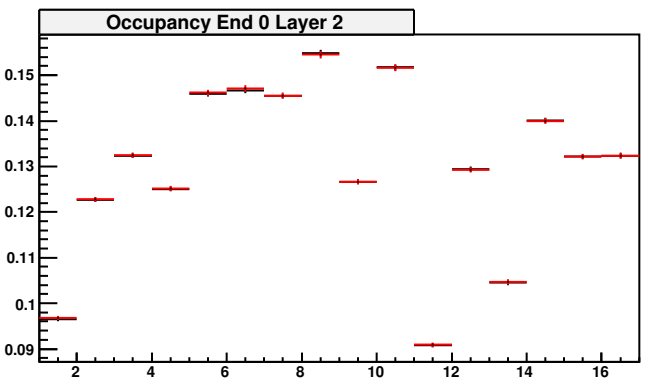


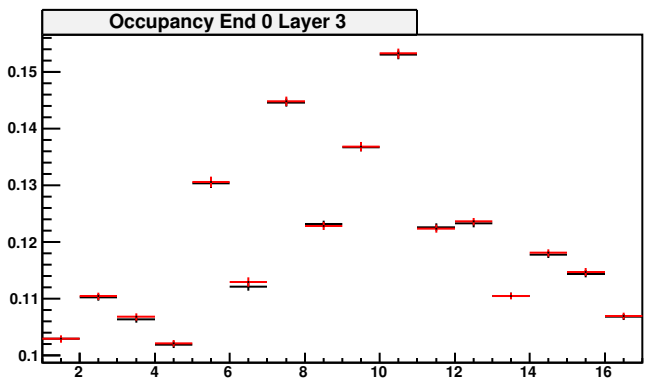


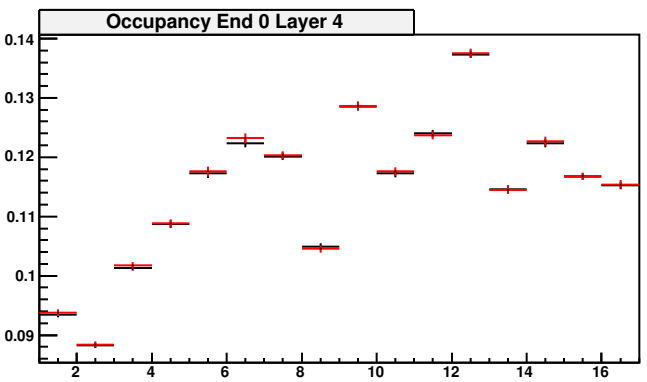


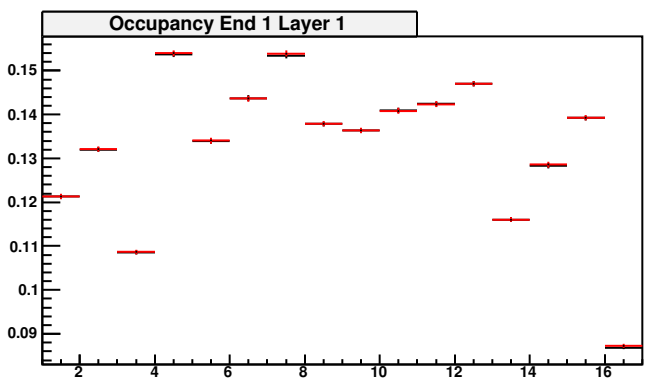
Muon Local Tracks (TightFamus)

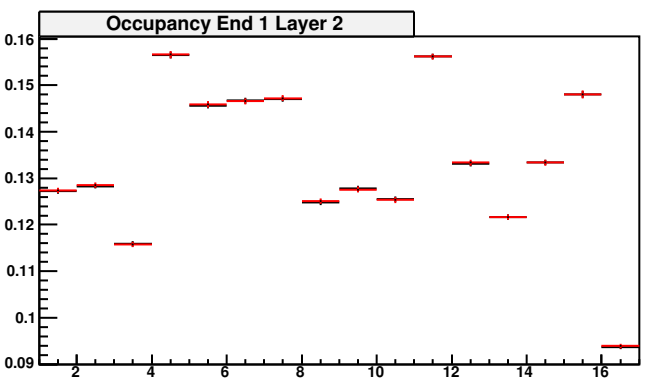


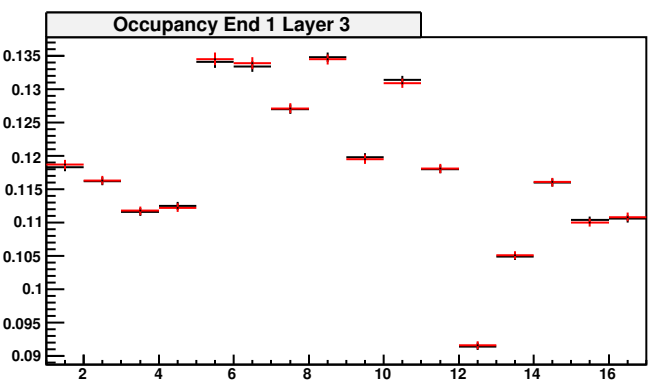


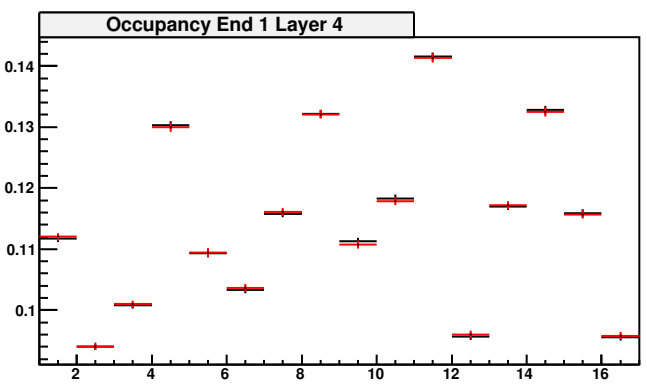




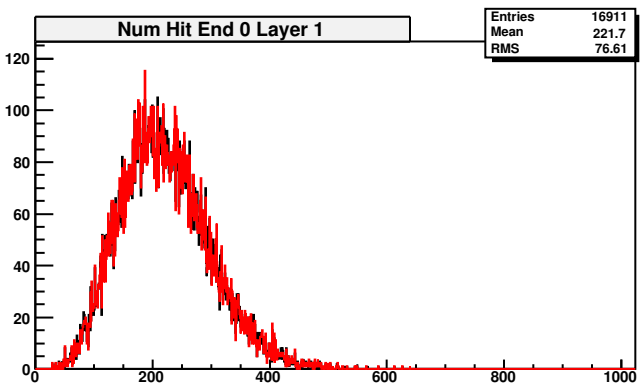


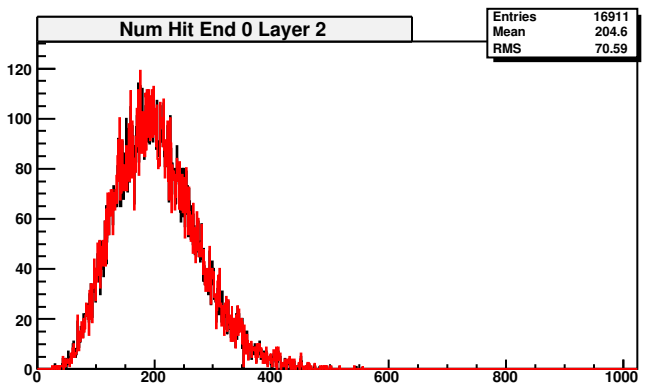


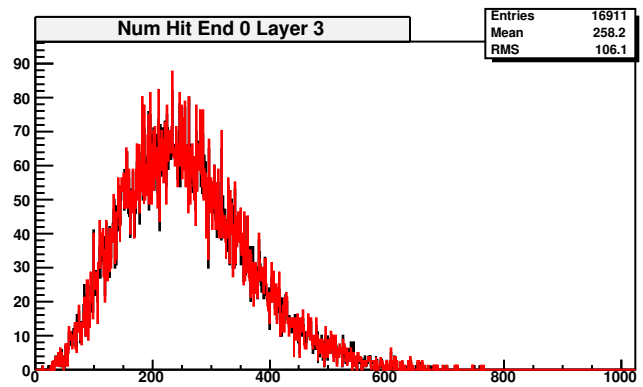


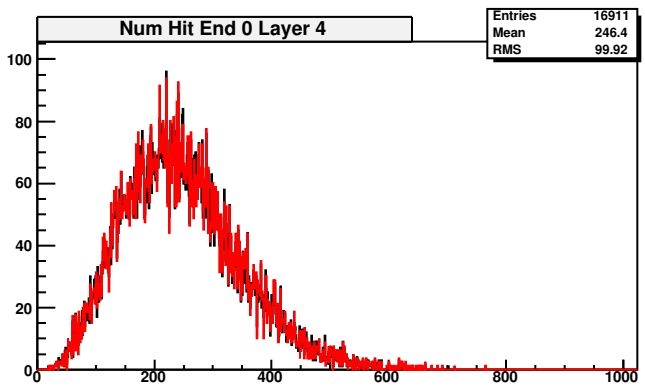


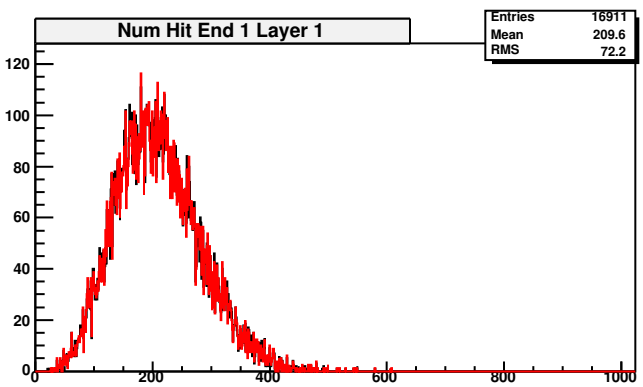
FPS Hit Occupancy (All)

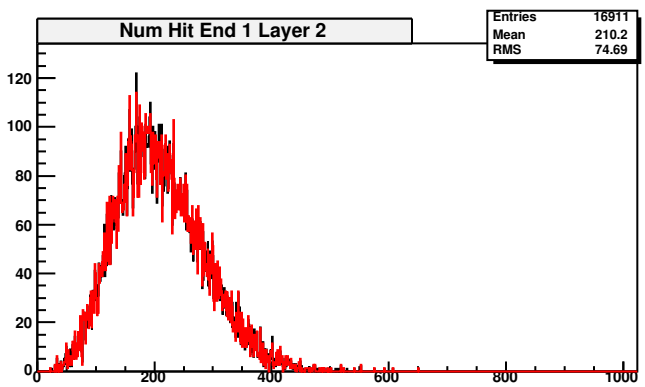


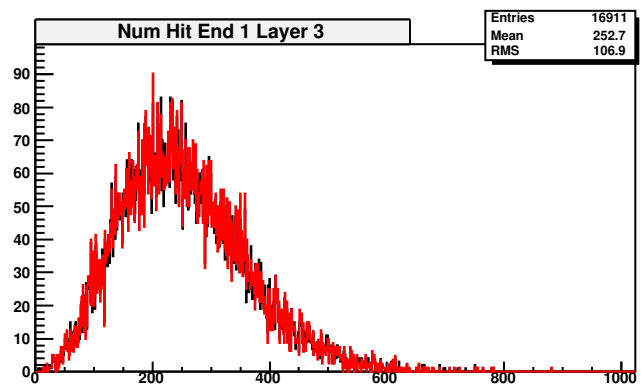


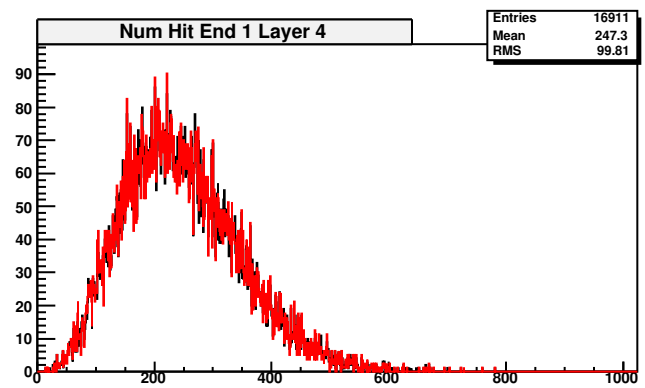




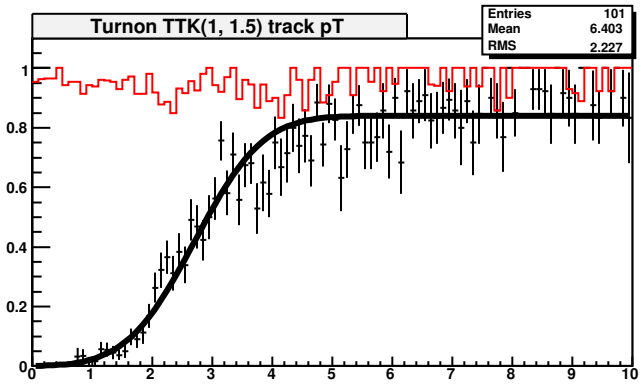


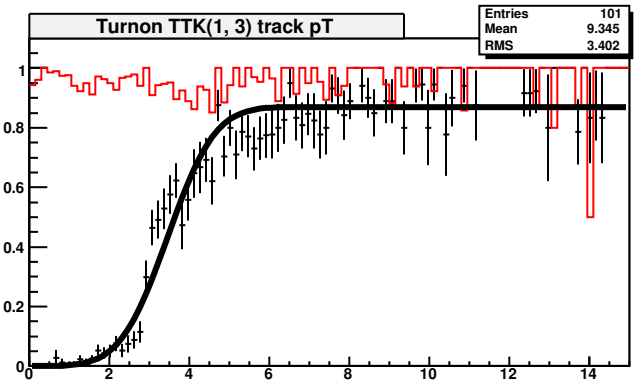


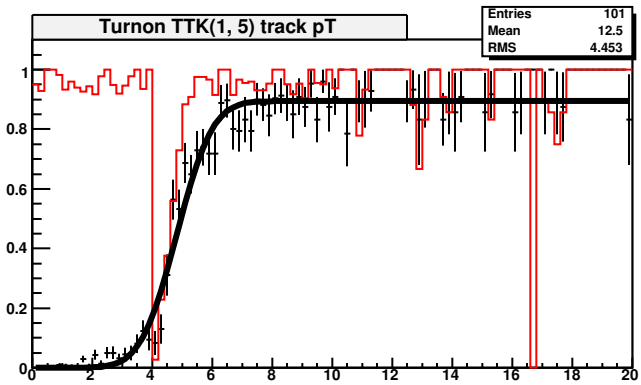


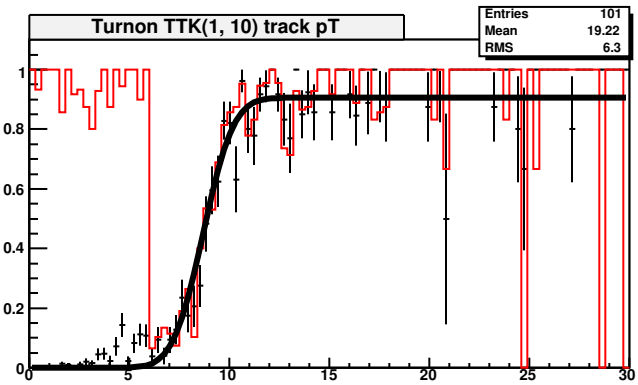


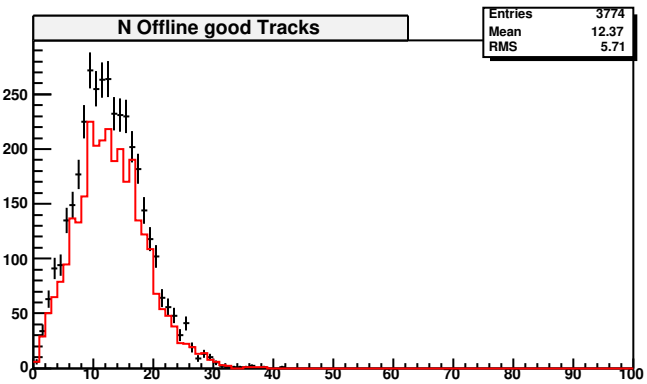
FPS Number of Hits (All)











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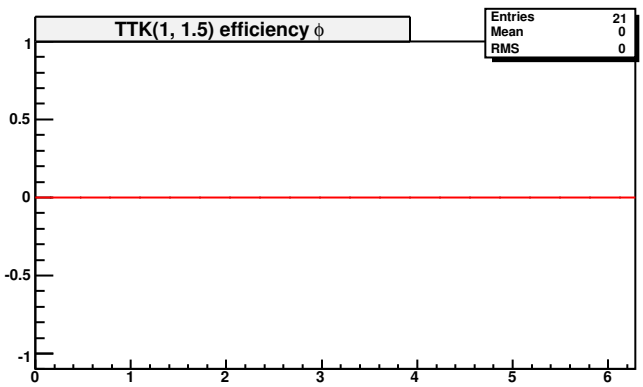

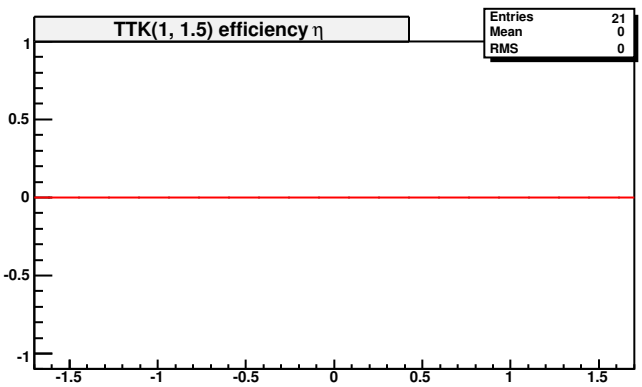

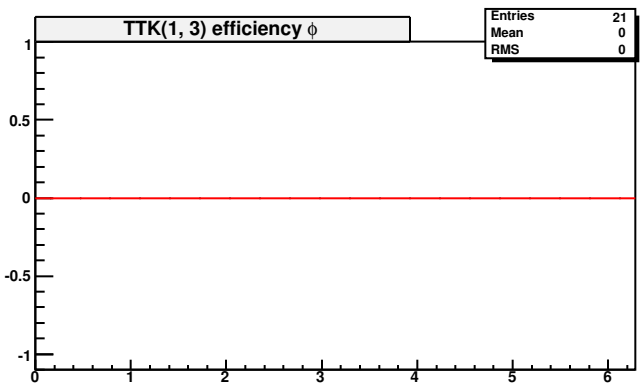

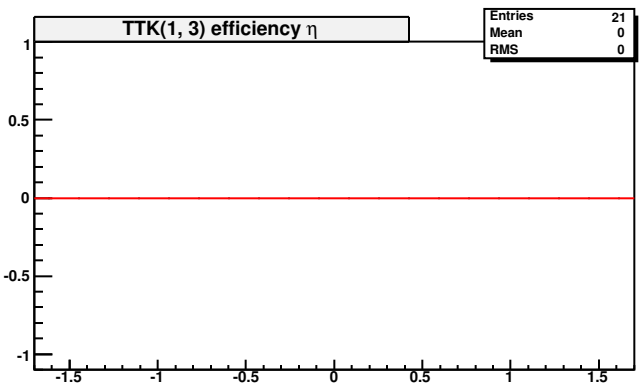

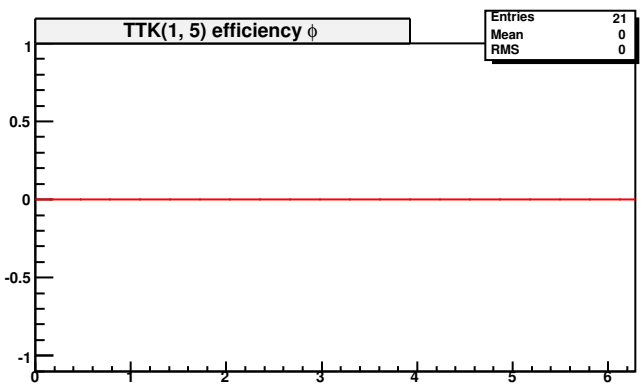

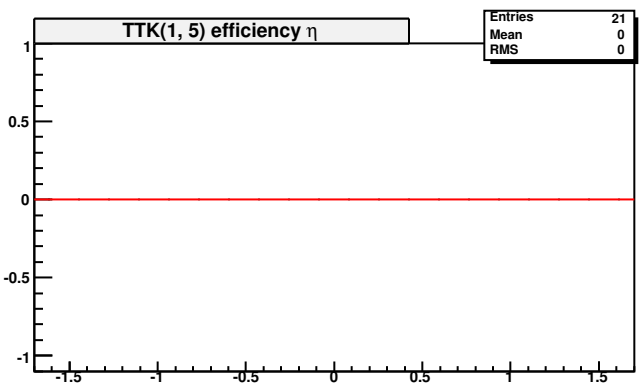

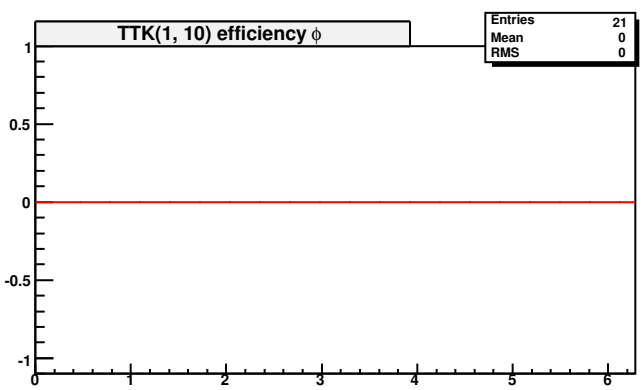

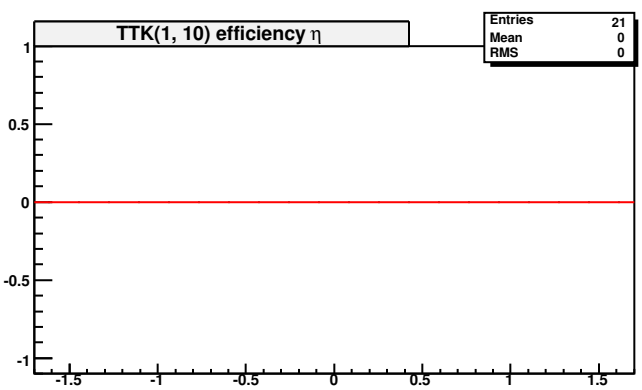

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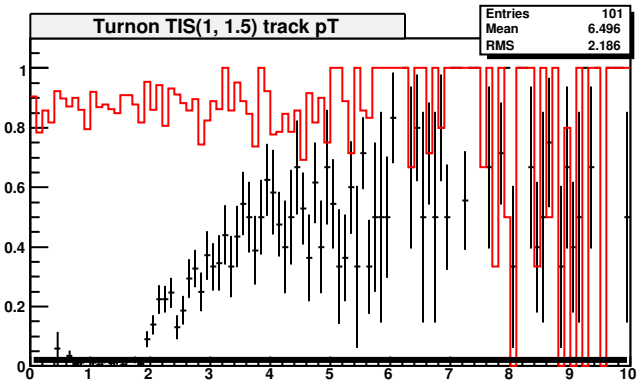
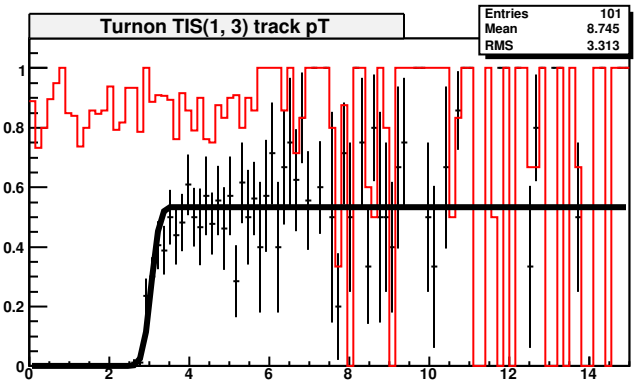
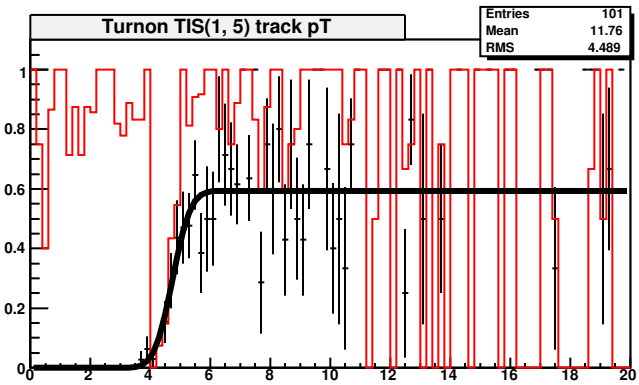
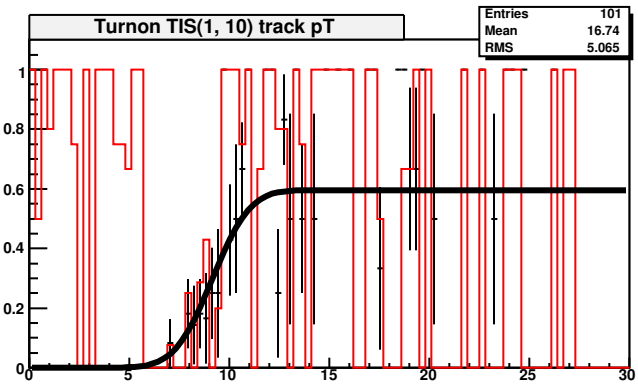
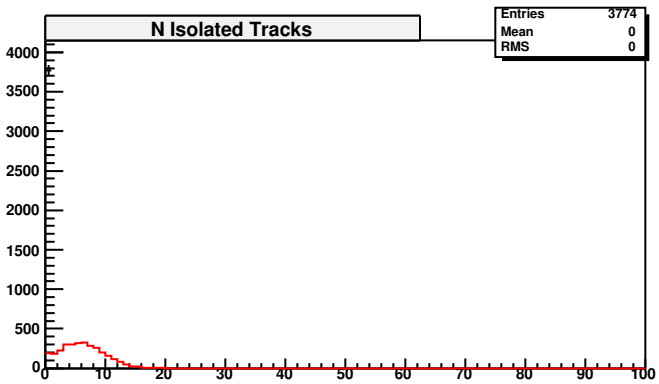


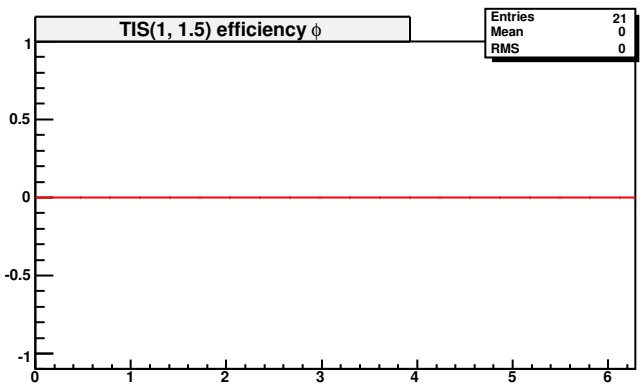


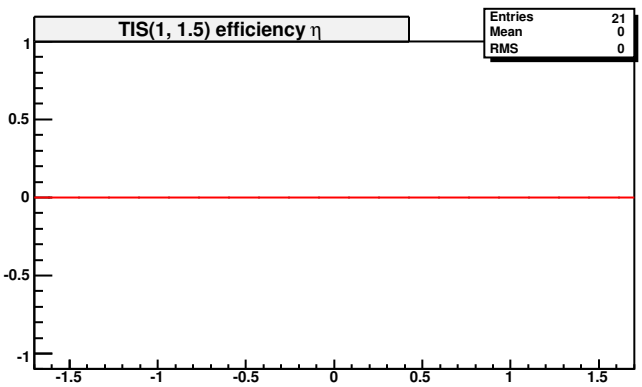


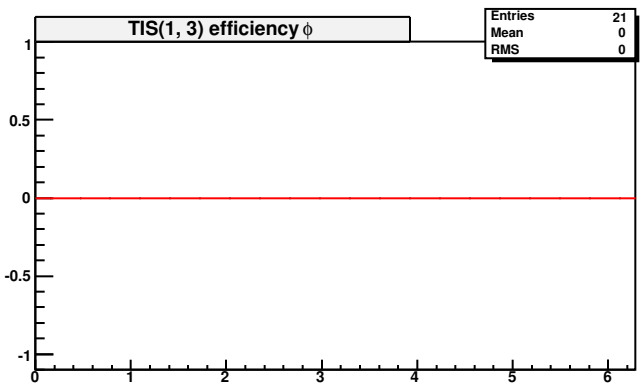


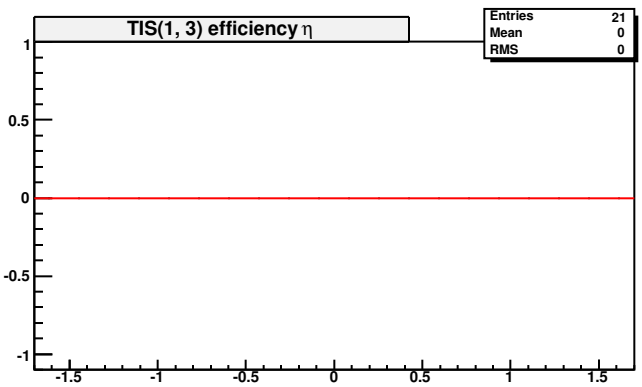


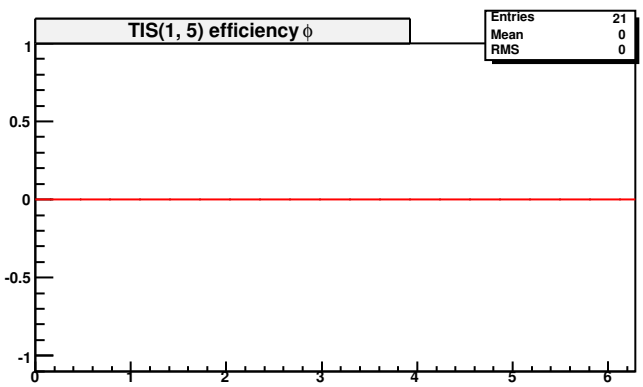
TIS (L1CTT AII)

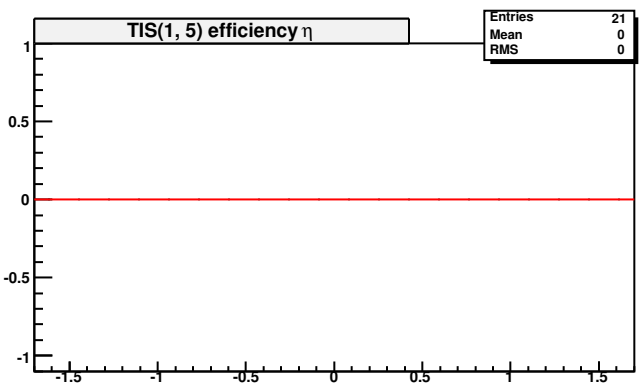


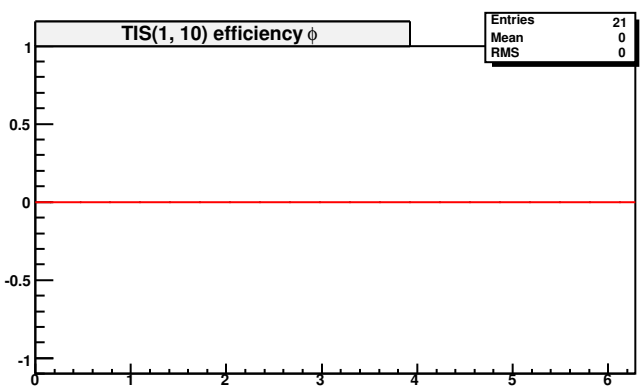


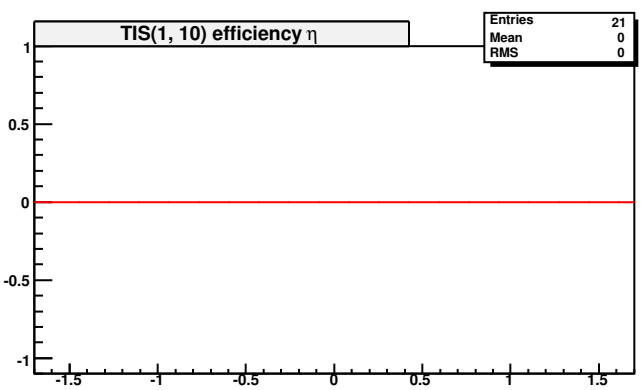












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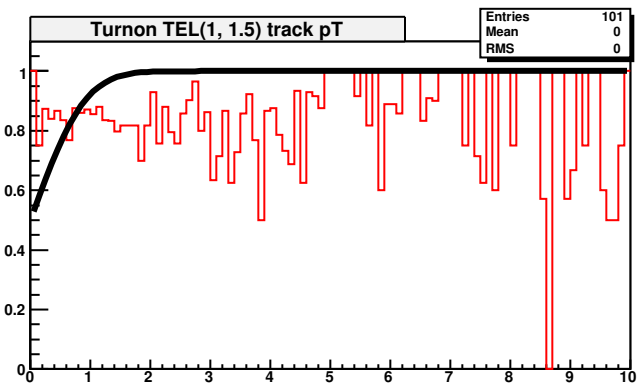

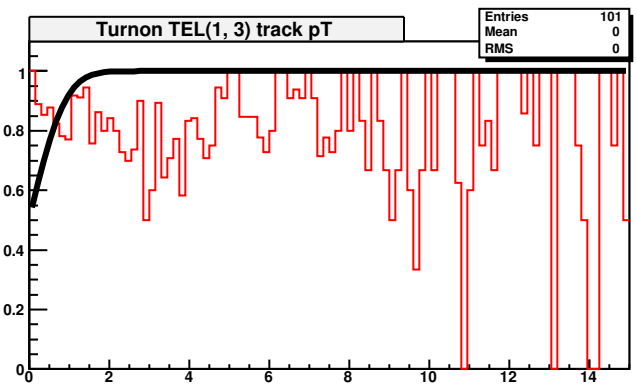

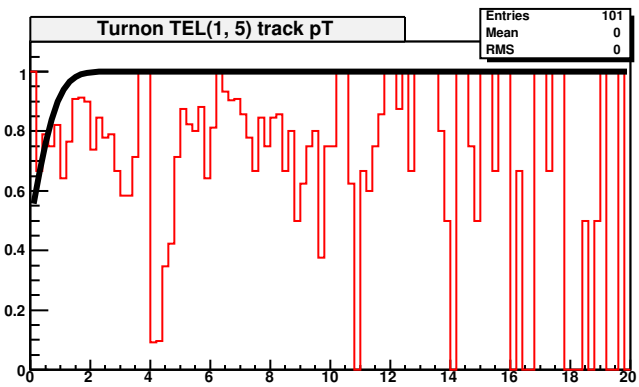

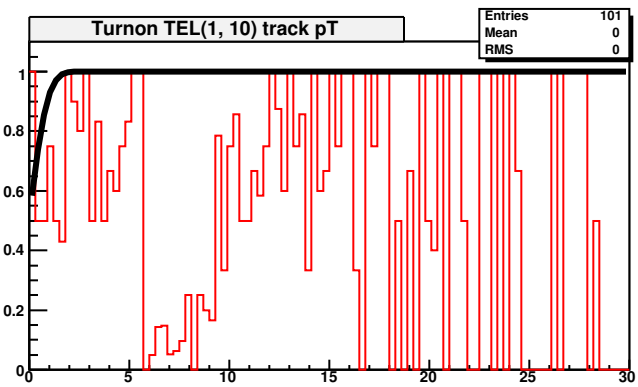

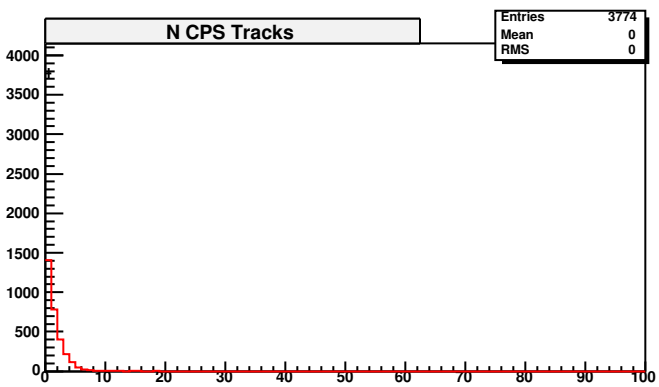

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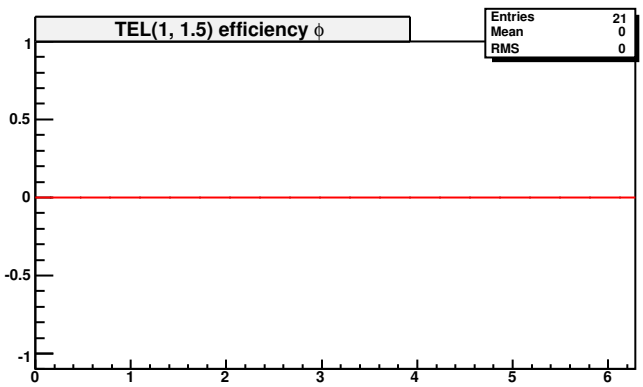

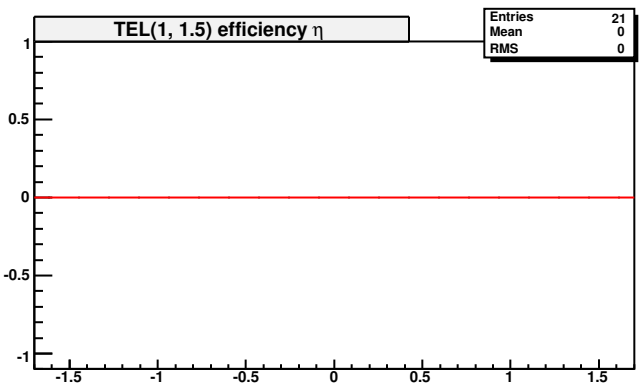

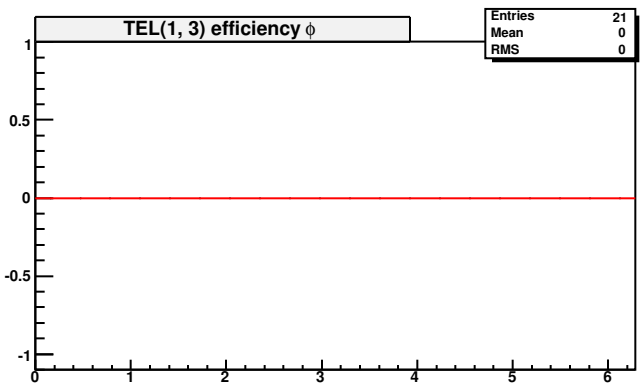

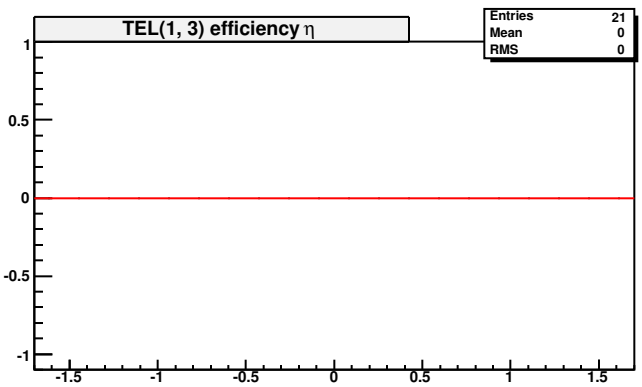

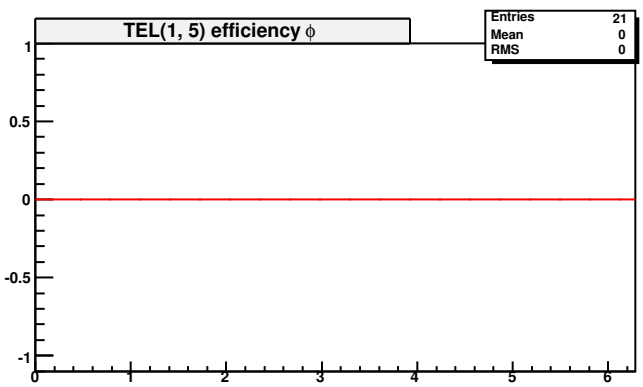

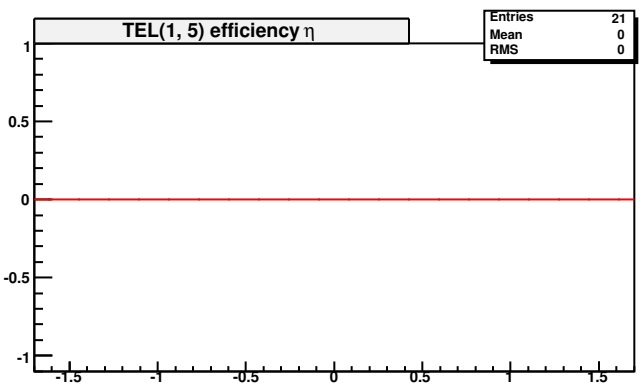

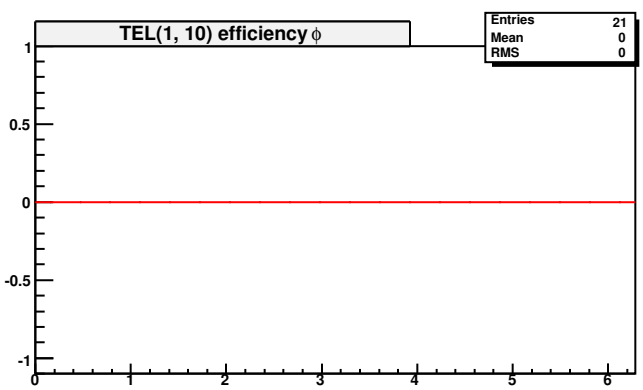

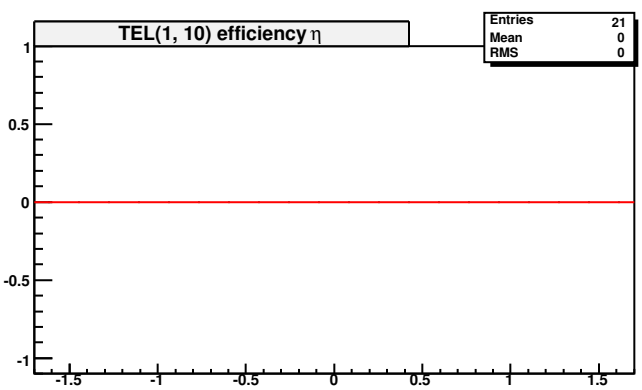

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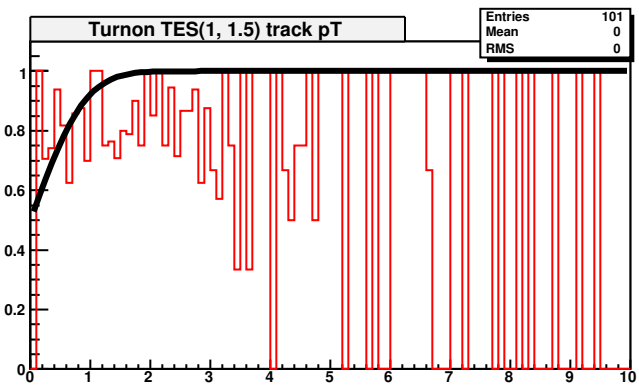
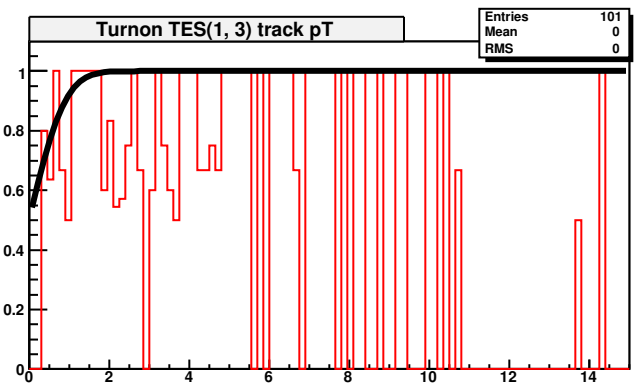
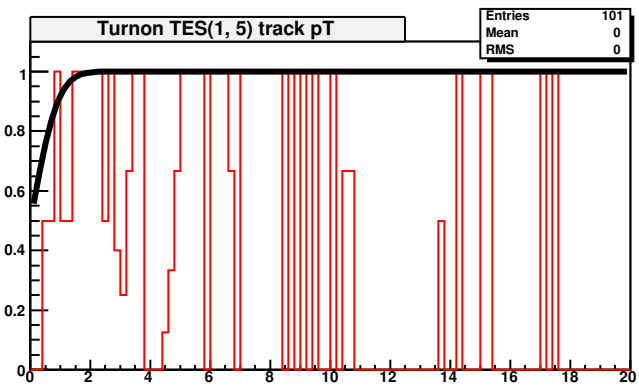
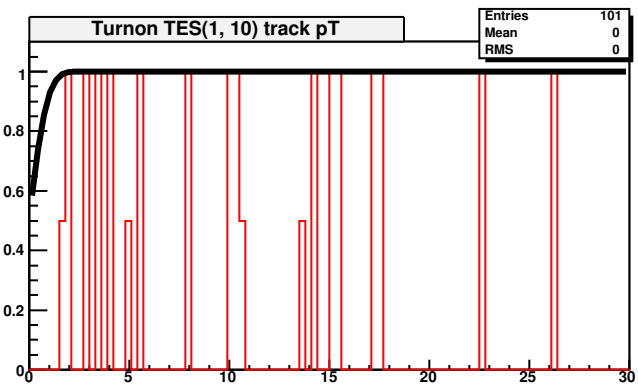
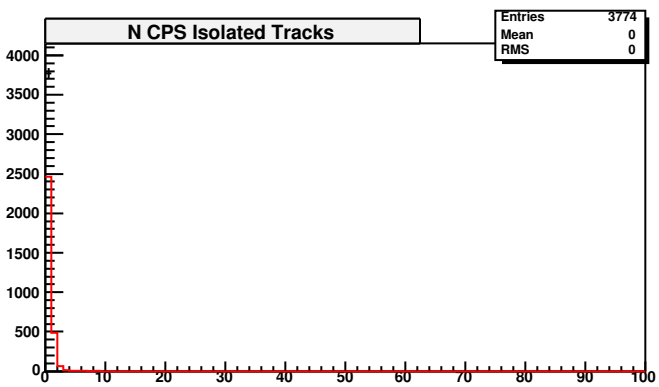


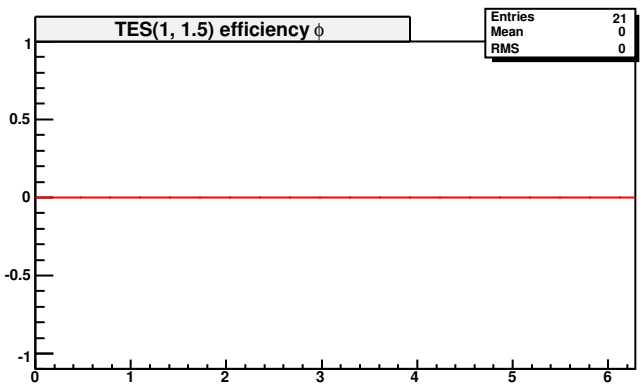


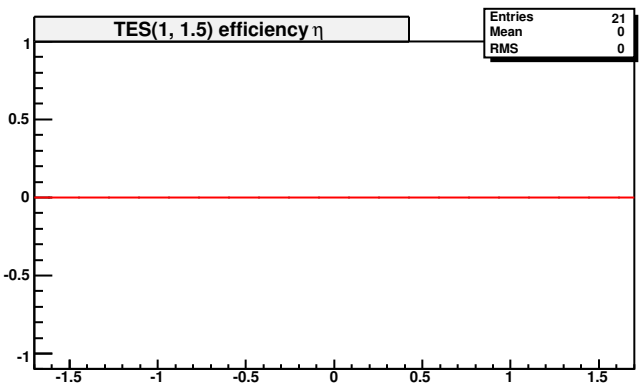


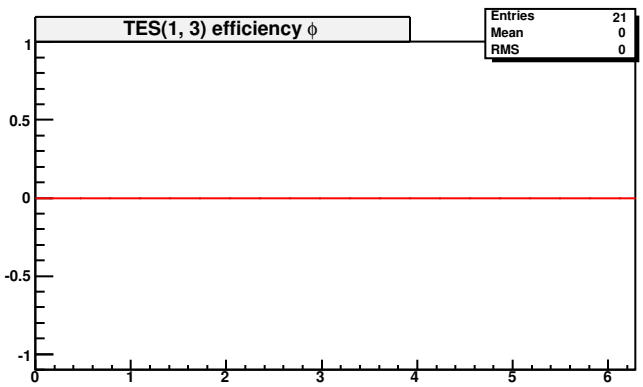


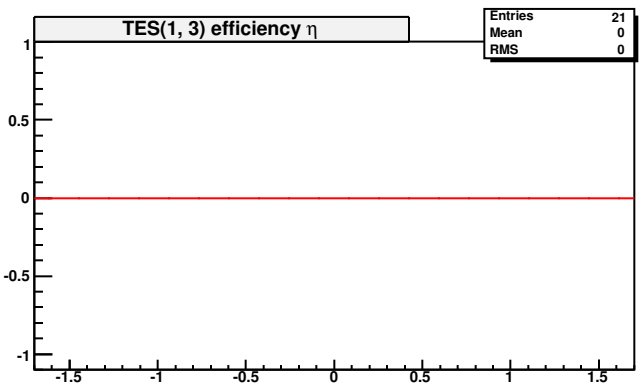


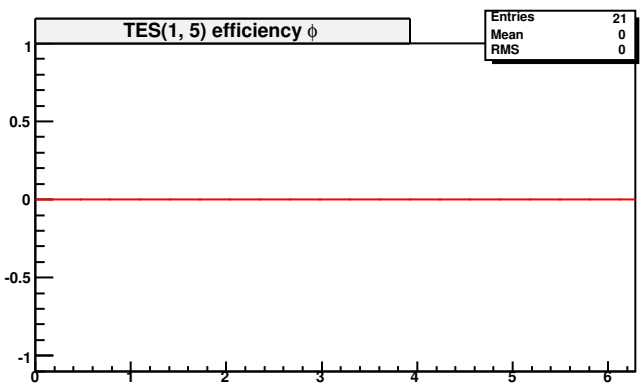
TES (L1CTT All)

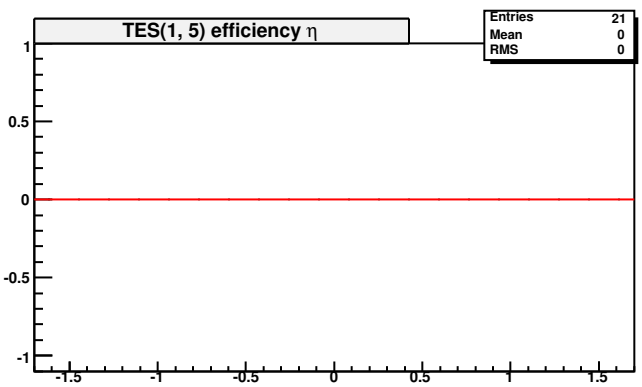


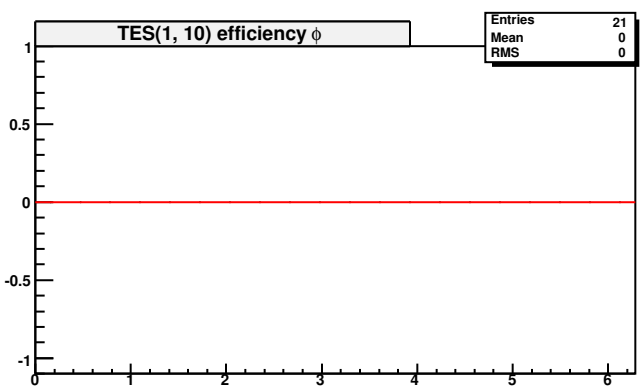


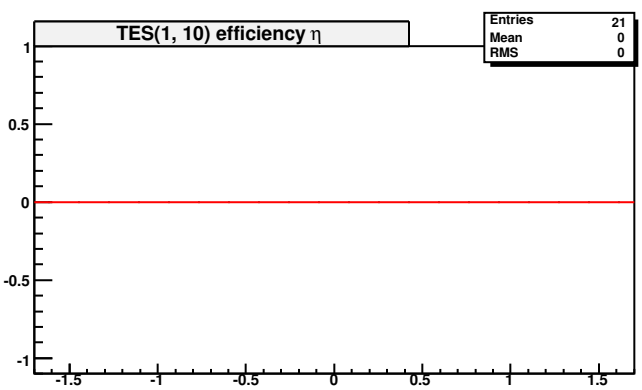




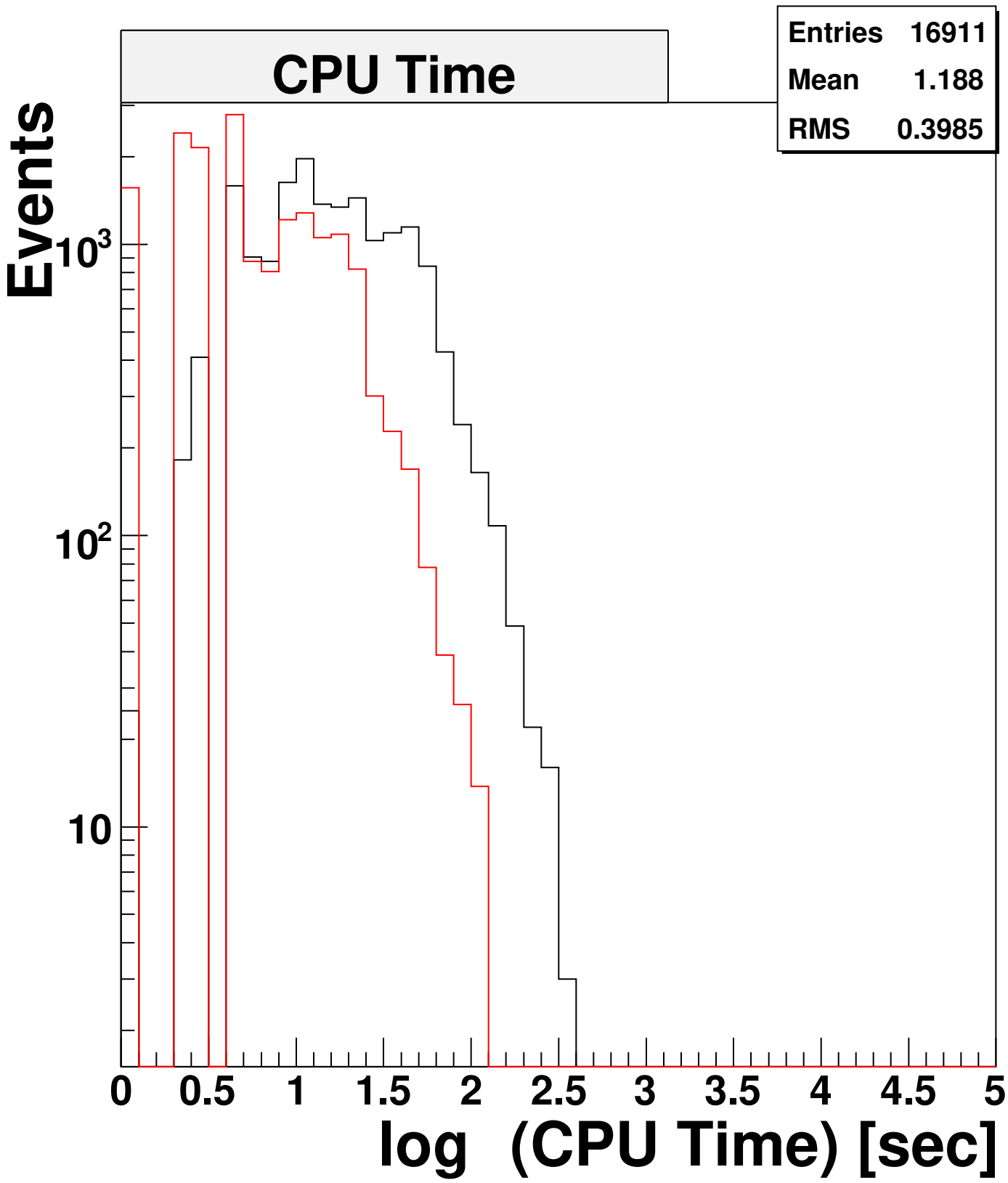








TES phi/eta (L1CTT All)



RECO Performance (Timing)