p200801_r234062_011_013-016.root
p2010_r234062_011_013-016.root

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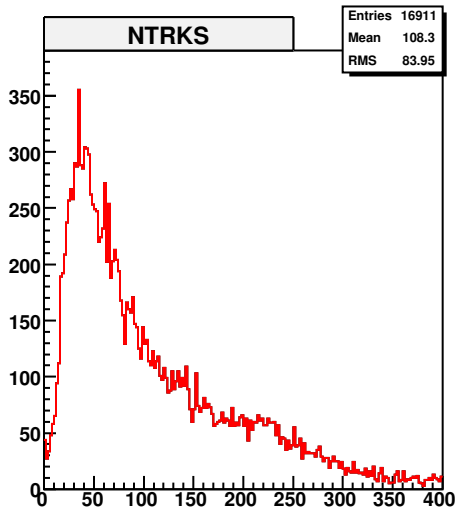
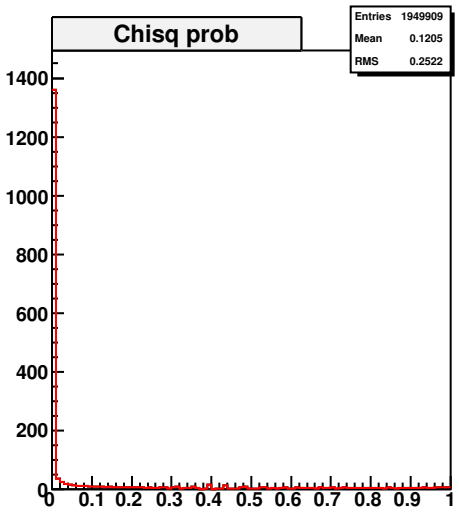
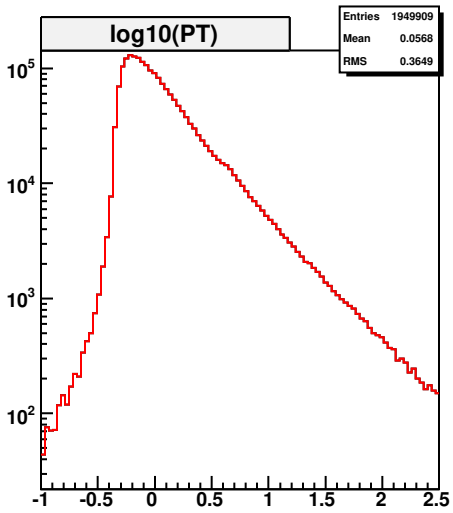
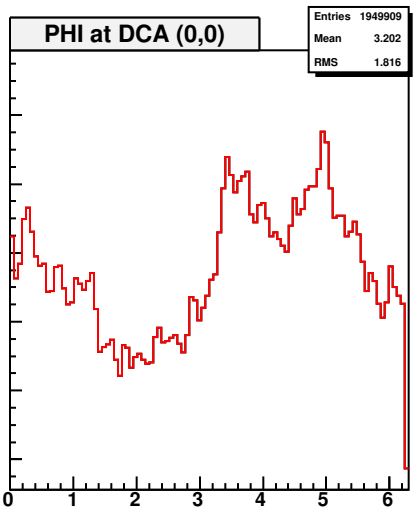
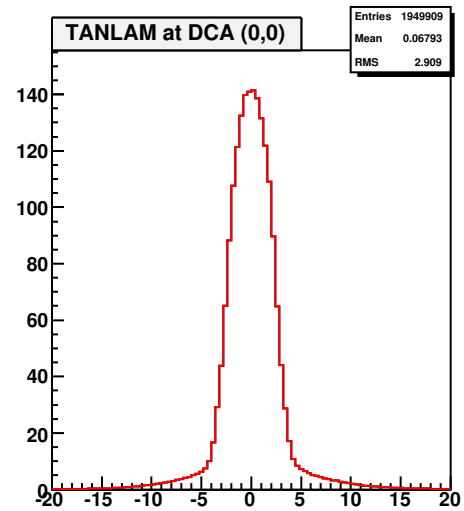
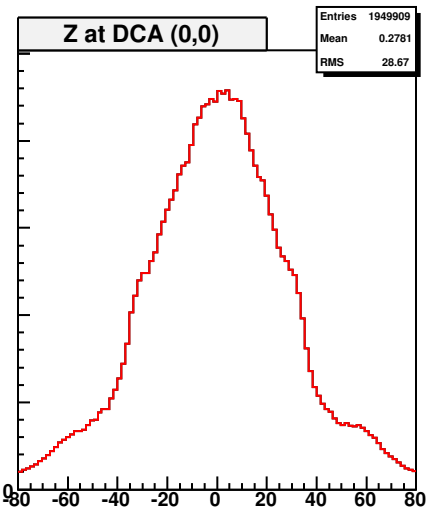

NTRKS
Entries 16911
Mean 108.3
RMS 83.95

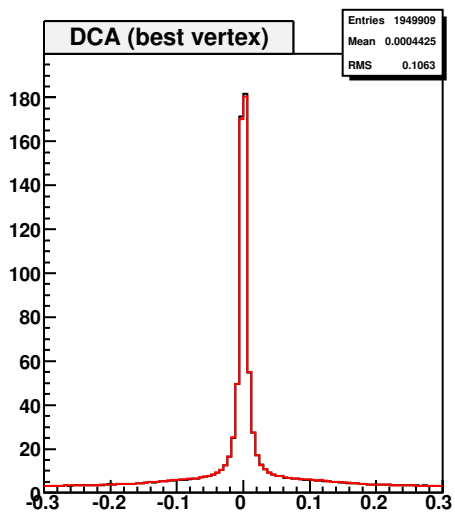

Chisq prob
Entries 1949909
Mean 0.1205
RMS 0.2522

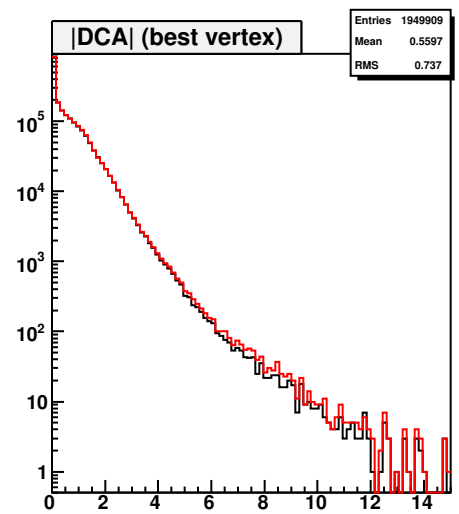

log10(PT)
Entries 1949909
Mean 0.0568
RMS 0.3649

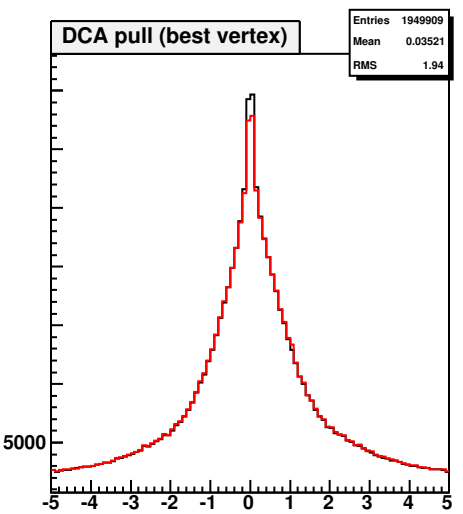

PHI at DCA (0,0)
Entries 1949909
Mean 3.202
RMS 1.816


TANLAM at DCA (0,0)
Entries 1949909
Mean 0.06793
RMS 2.909

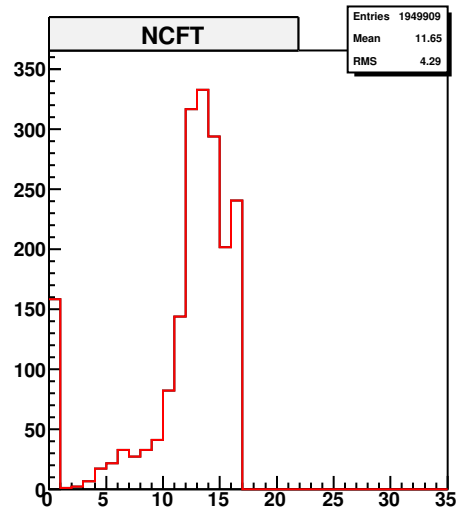

Z at DCA (0,0)
Entries 1949909
Mean 0.2781
RMS 28.67

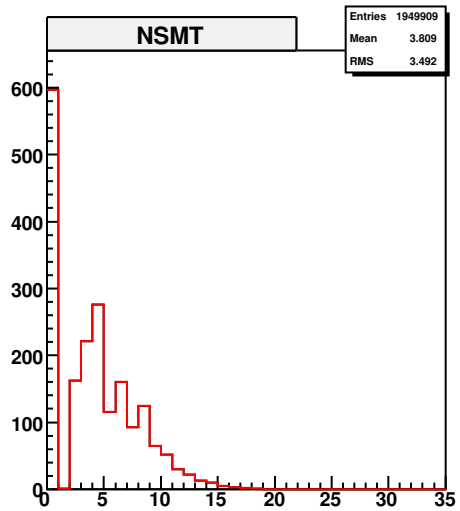

DCA (best vertex)
Entries 1949909
Mean 0.0004425
RMS 0.1063

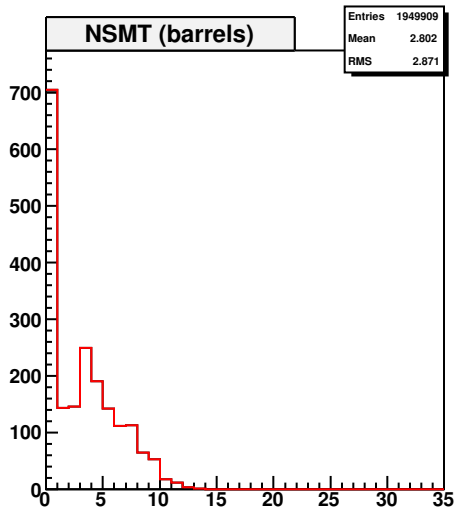

|DCA| (best vertex)
Entries 1949909
Mean 0.5597
RMS 0.737

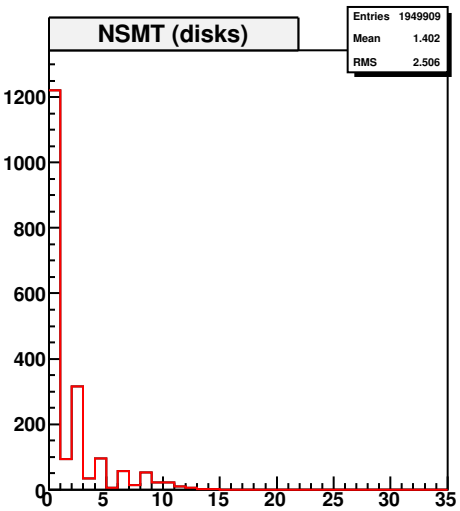

DCA pull (best vertex)
Entries 1949909
Mean 0.03521
RMS 1.94

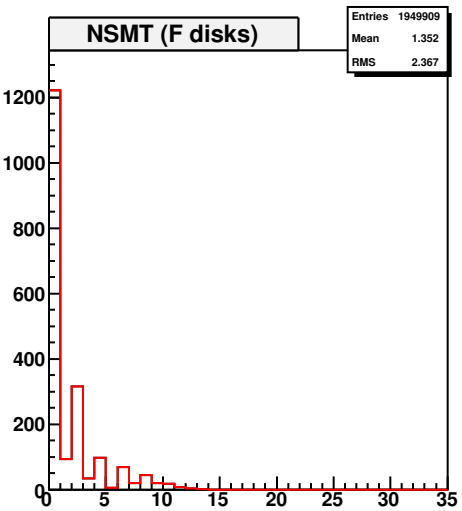
Tracks (All)

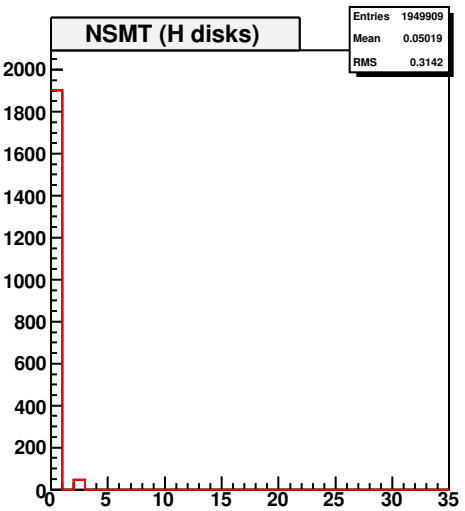


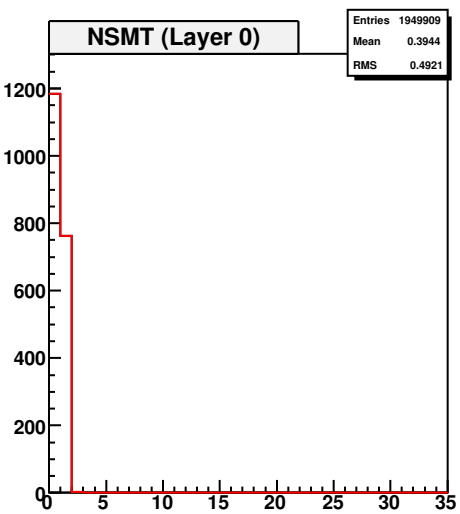




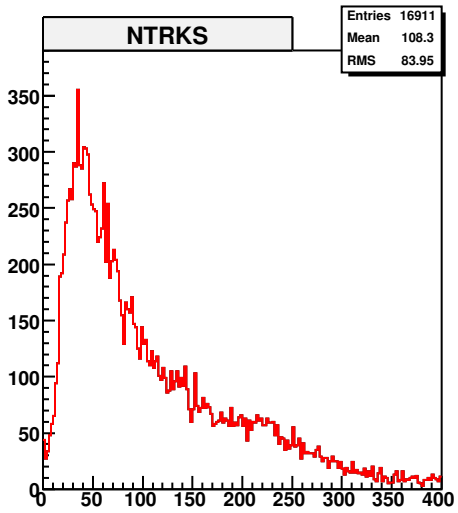


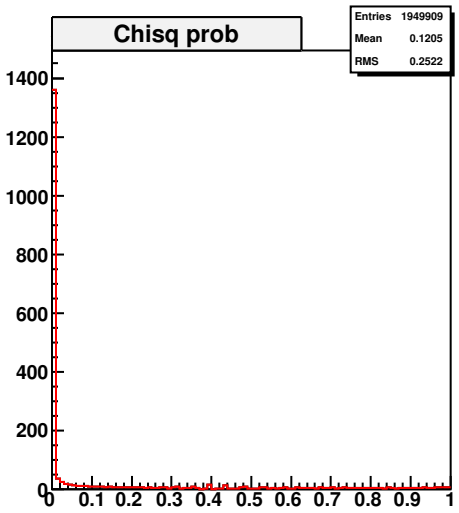


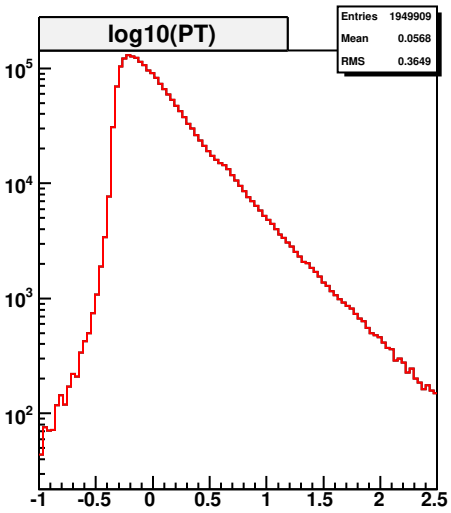


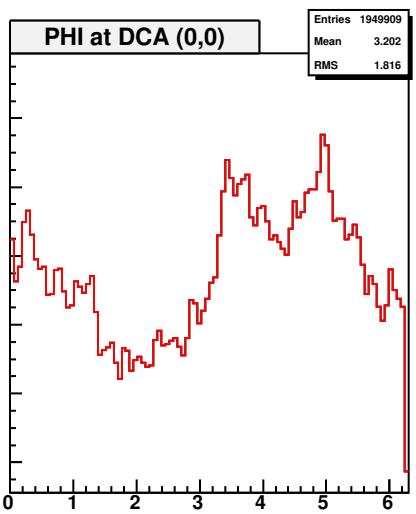


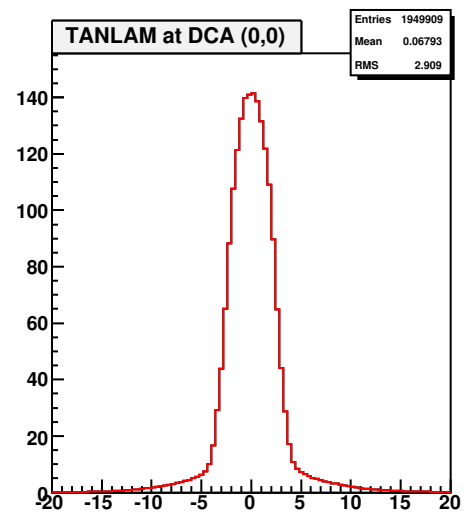
Track Hits (All)

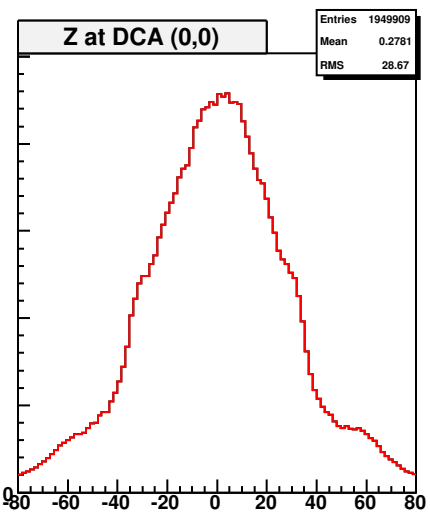


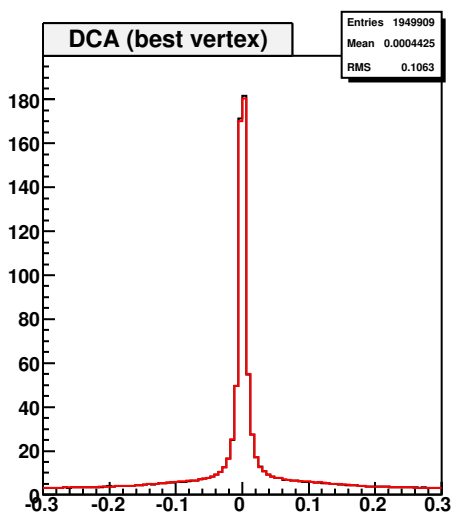


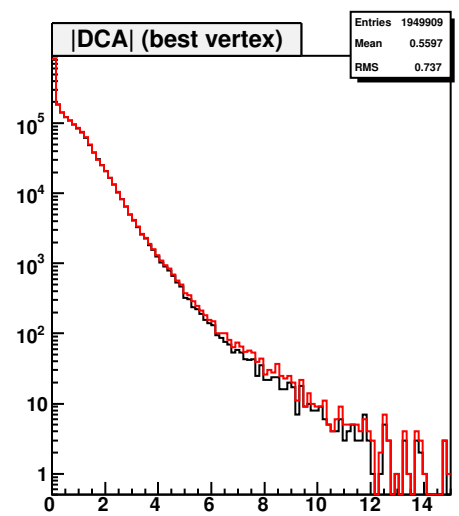


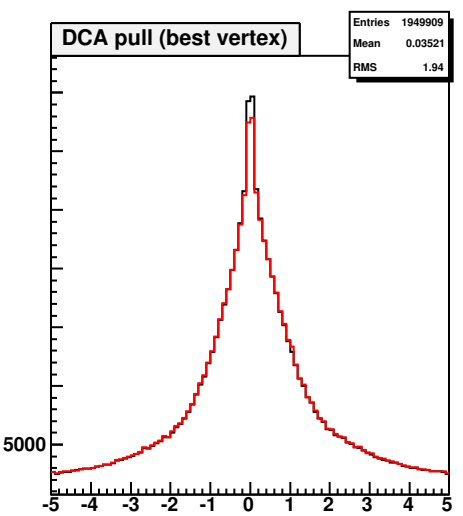




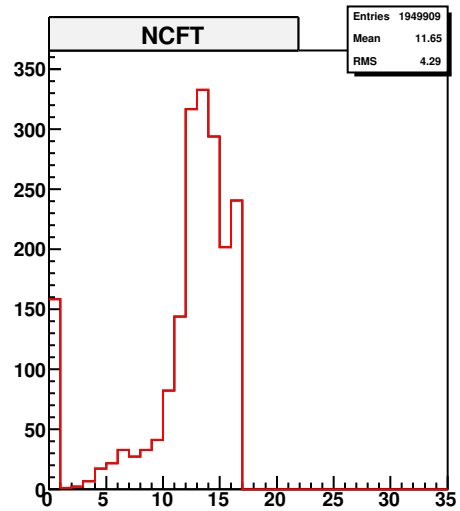


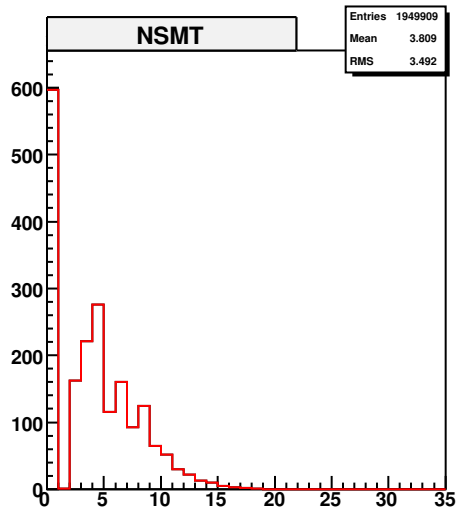


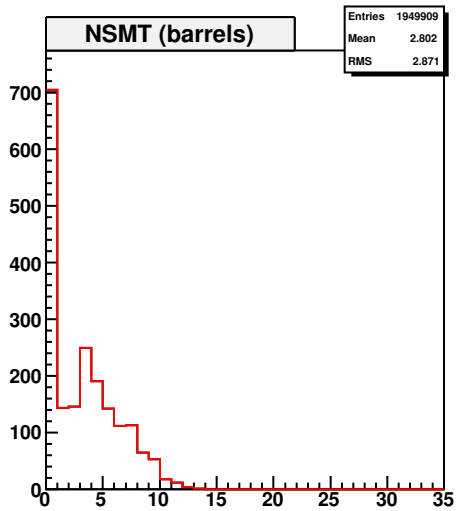


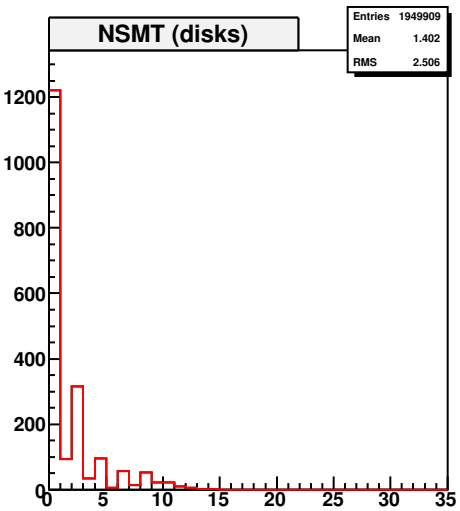


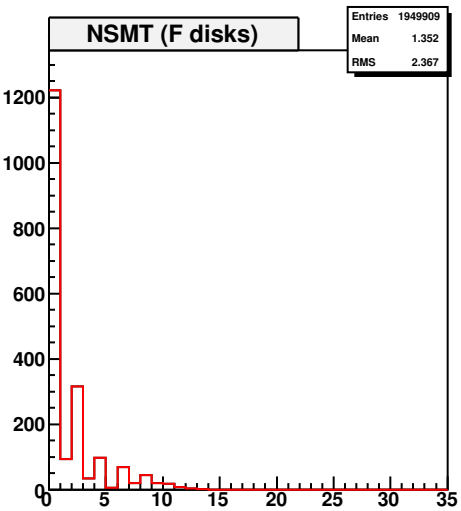
Tracks (Tight)

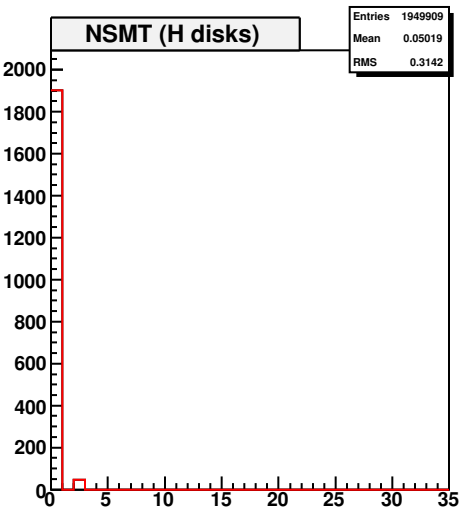


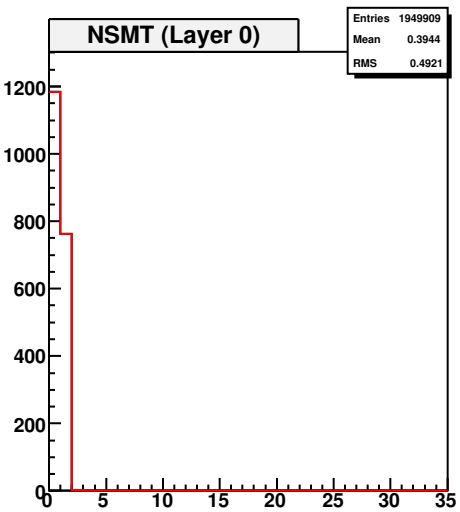




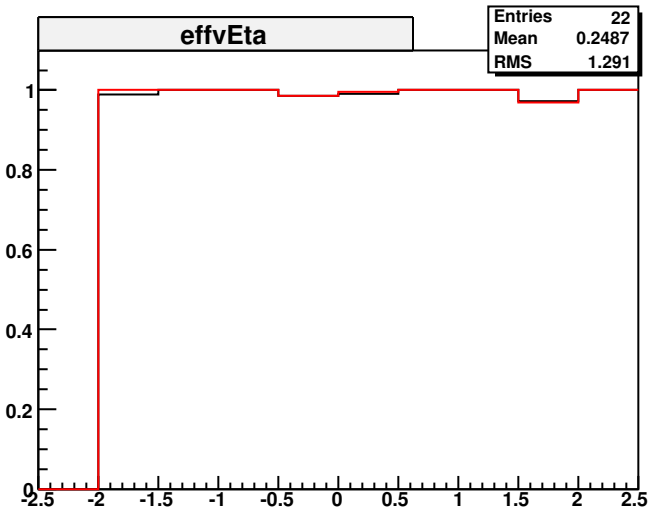


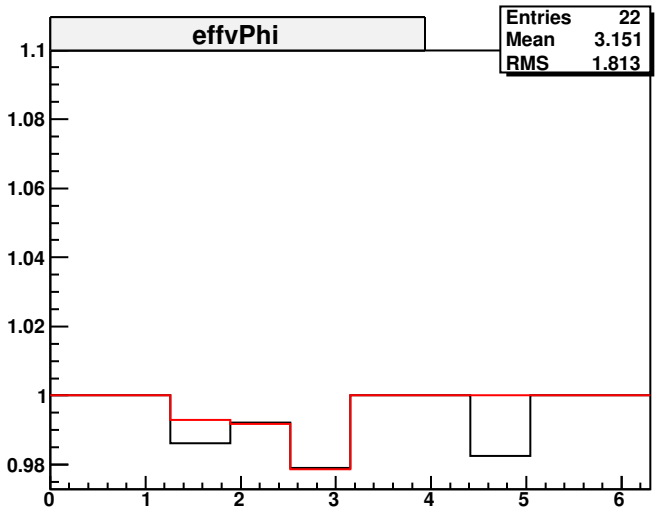


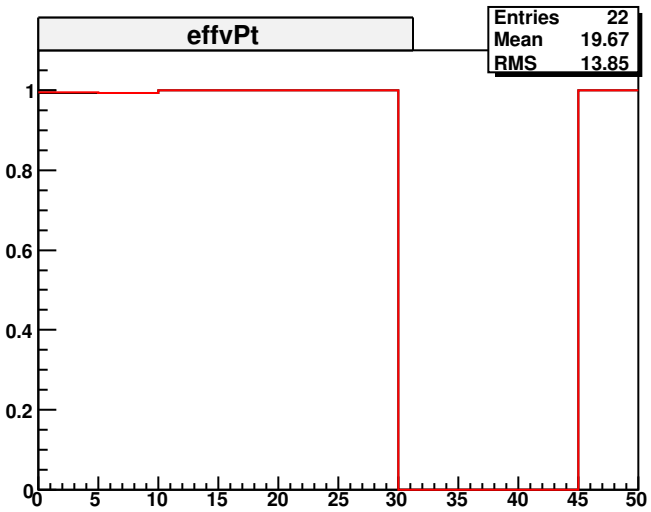


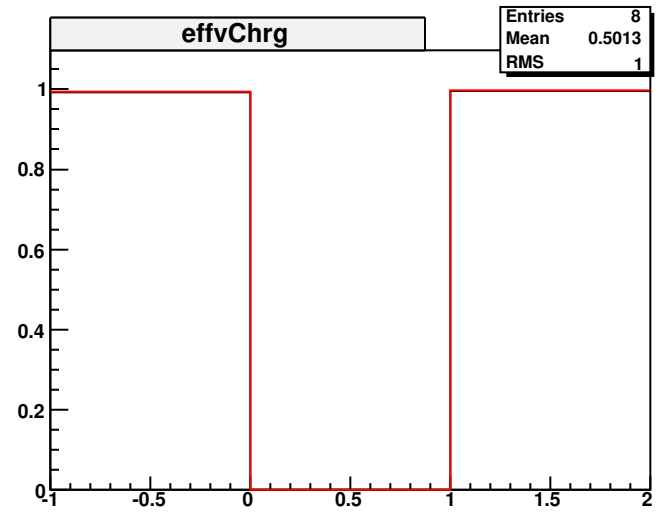


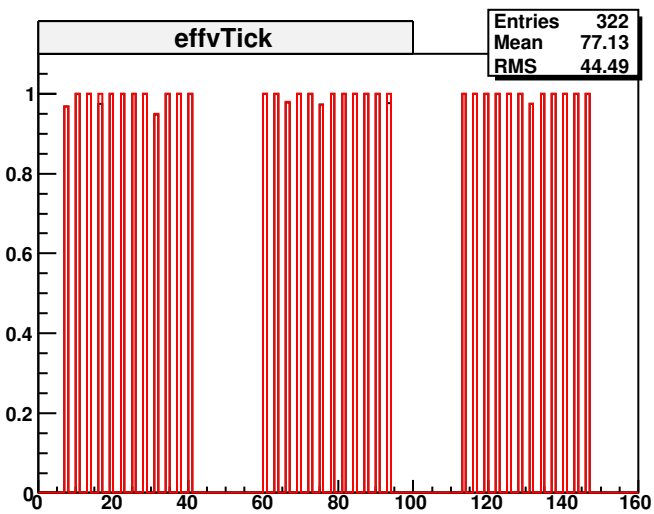
Track Hits (Tight)

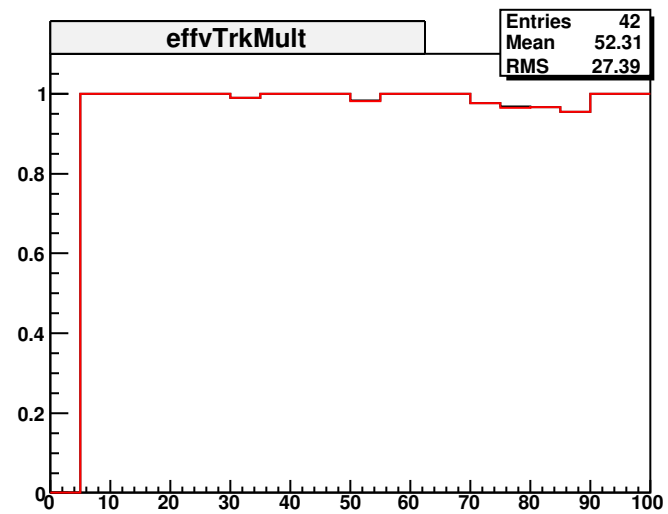




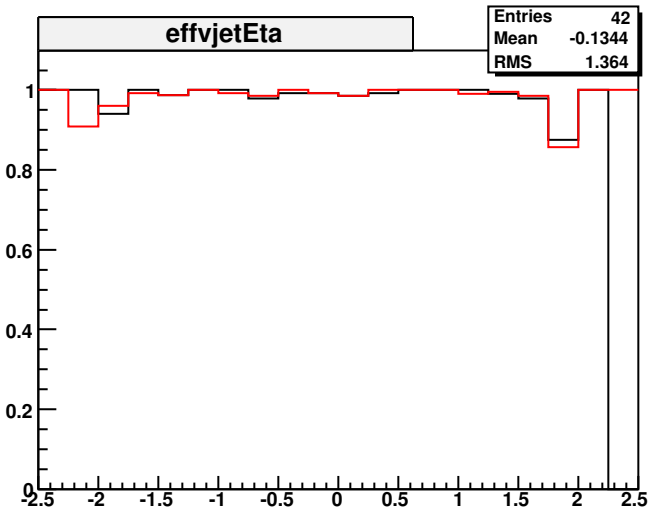


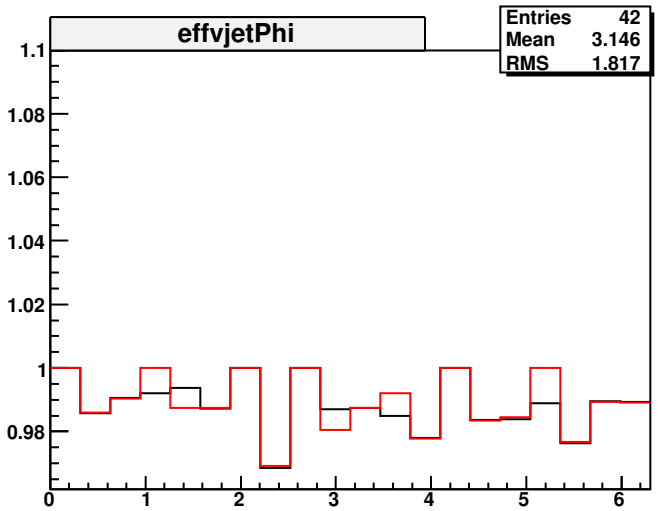


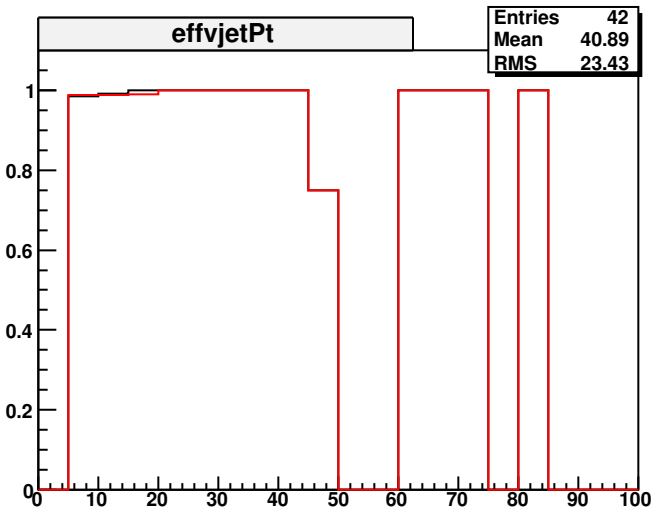




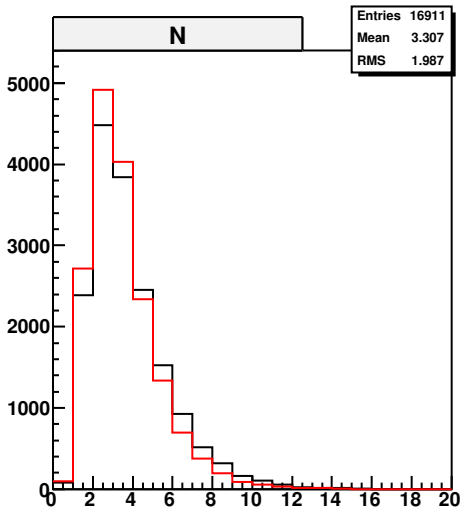
Tracking (Efficiency-Isolated)

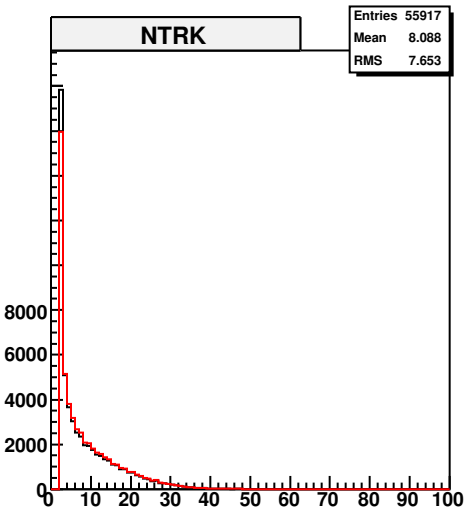


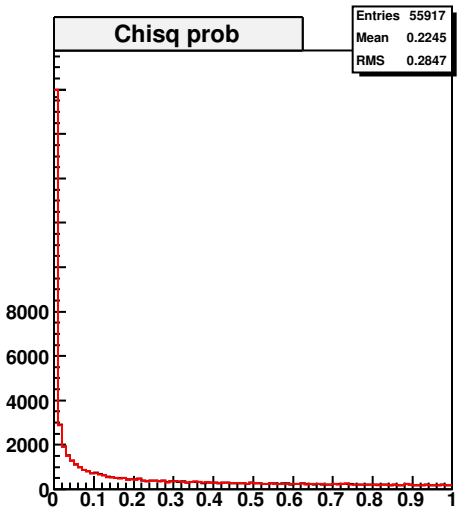


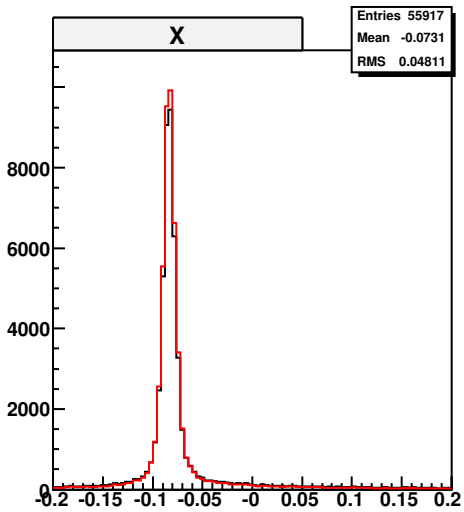


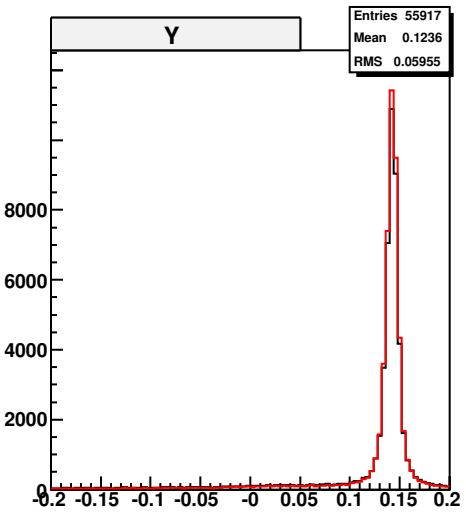
Tracking (Efficiency-InJets)

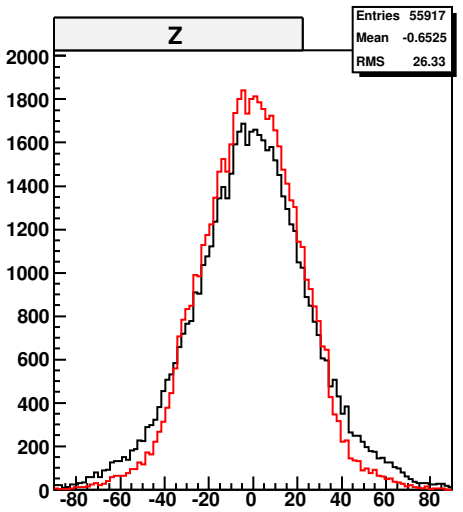


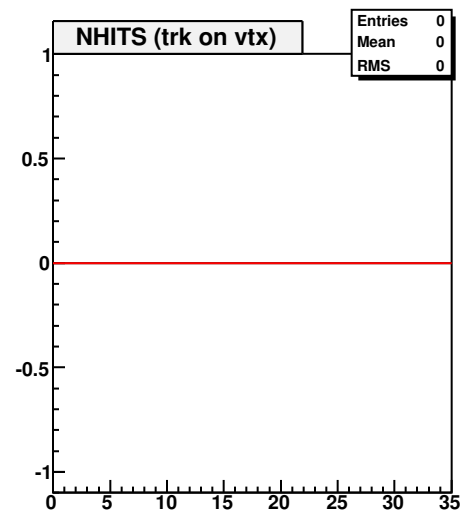


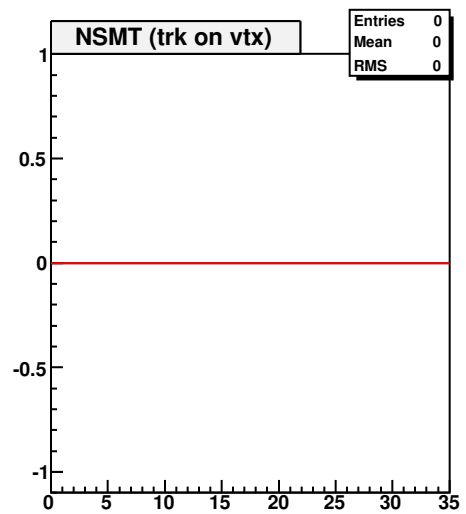


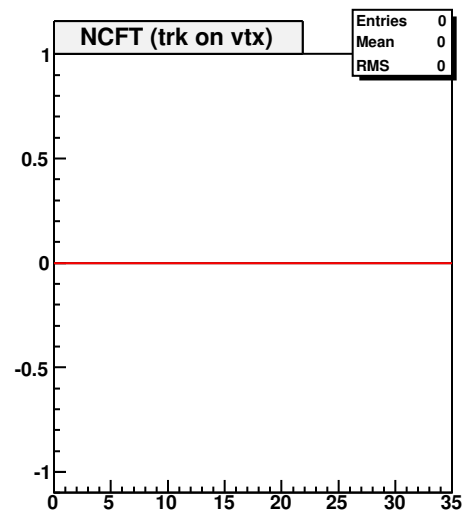




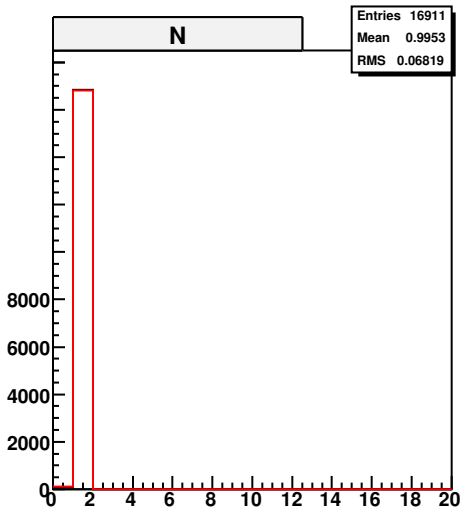


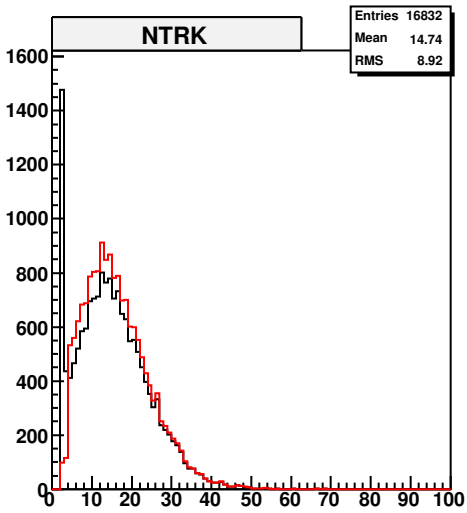


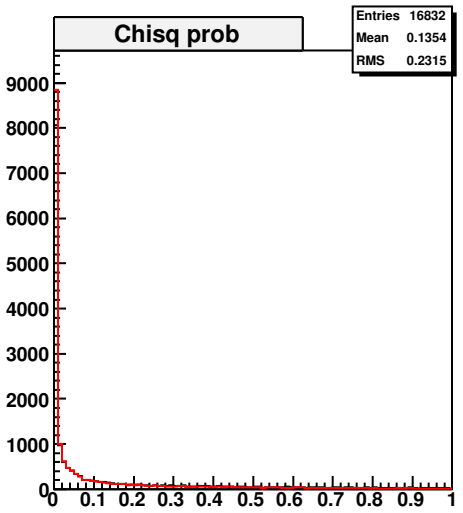


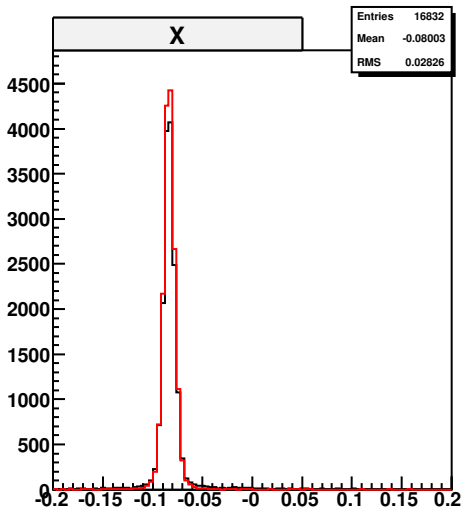


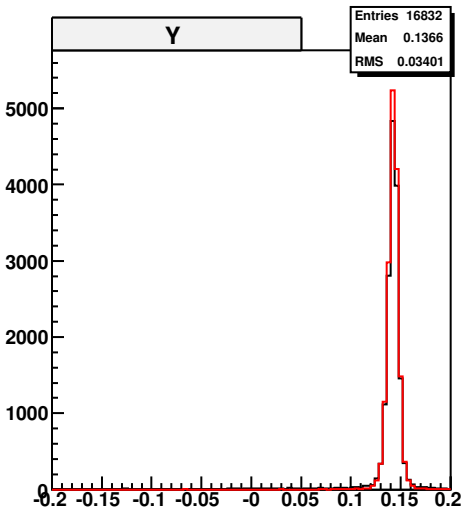
Vertices (Primary - all candidates)

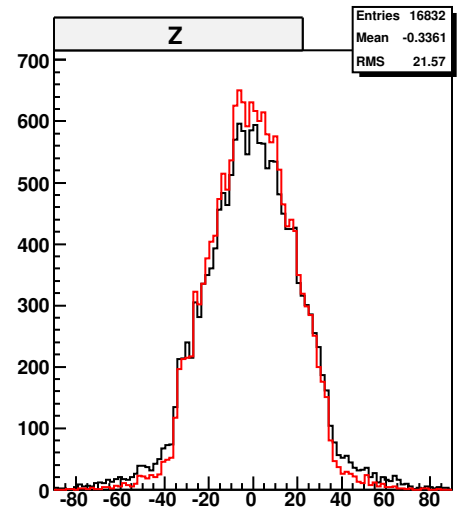


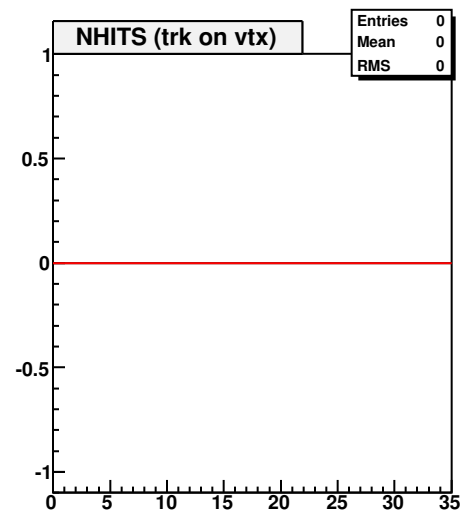


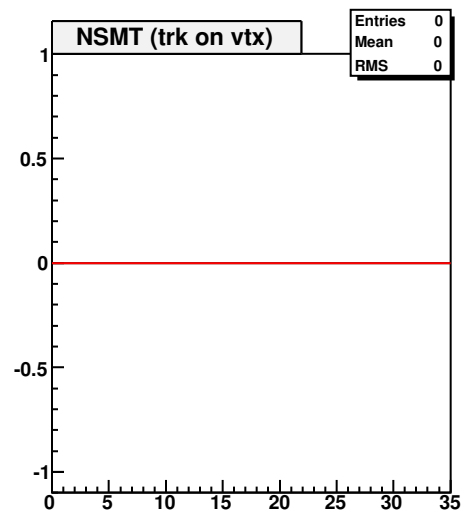


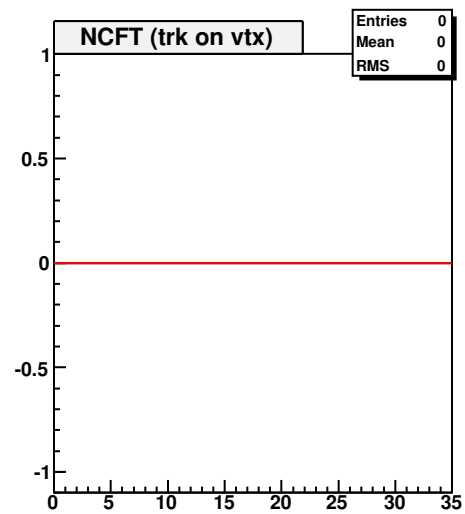




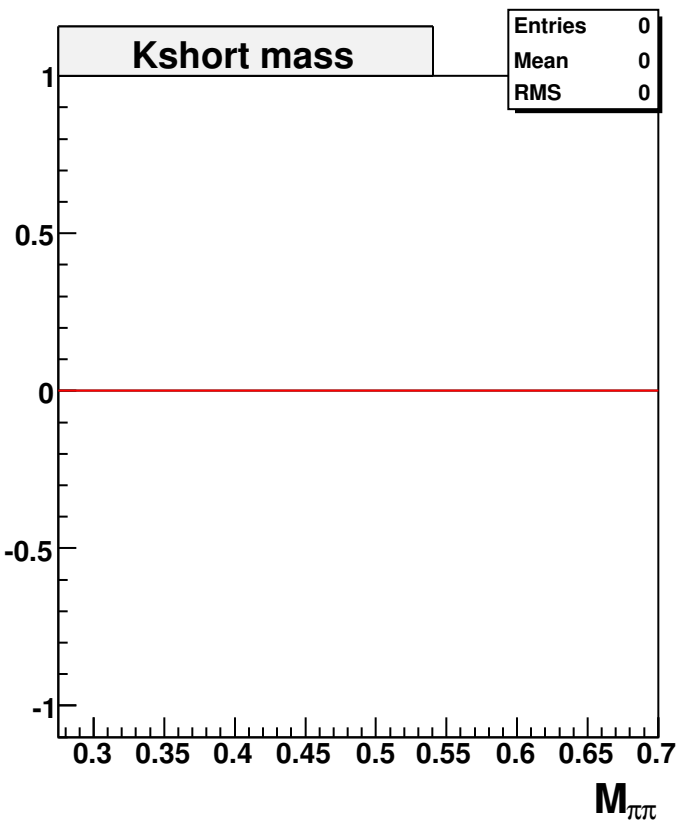


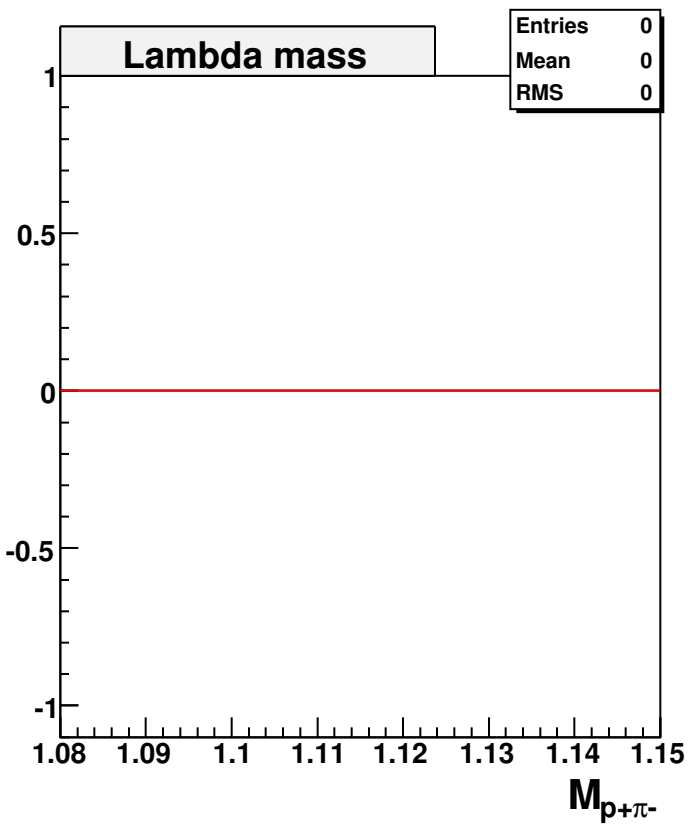


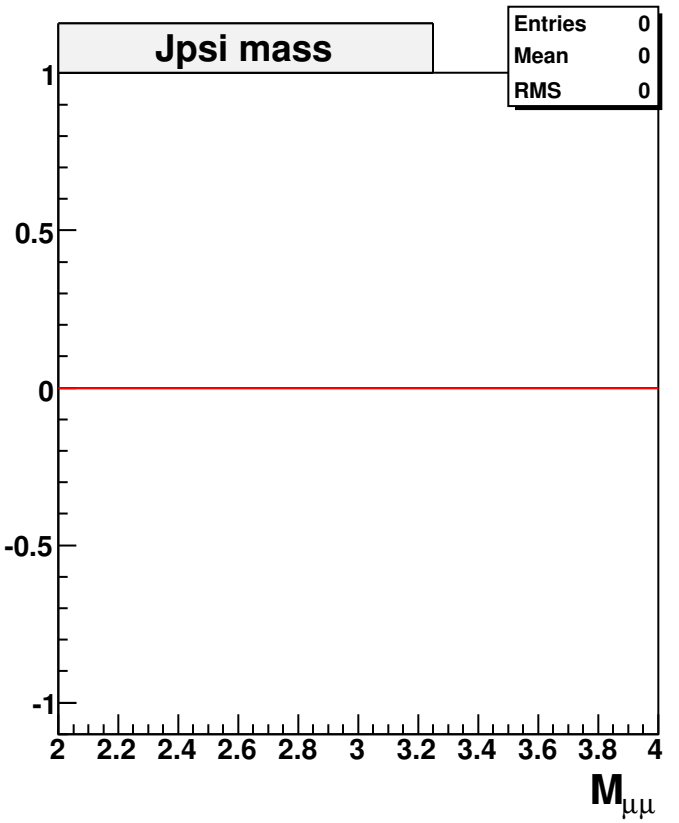


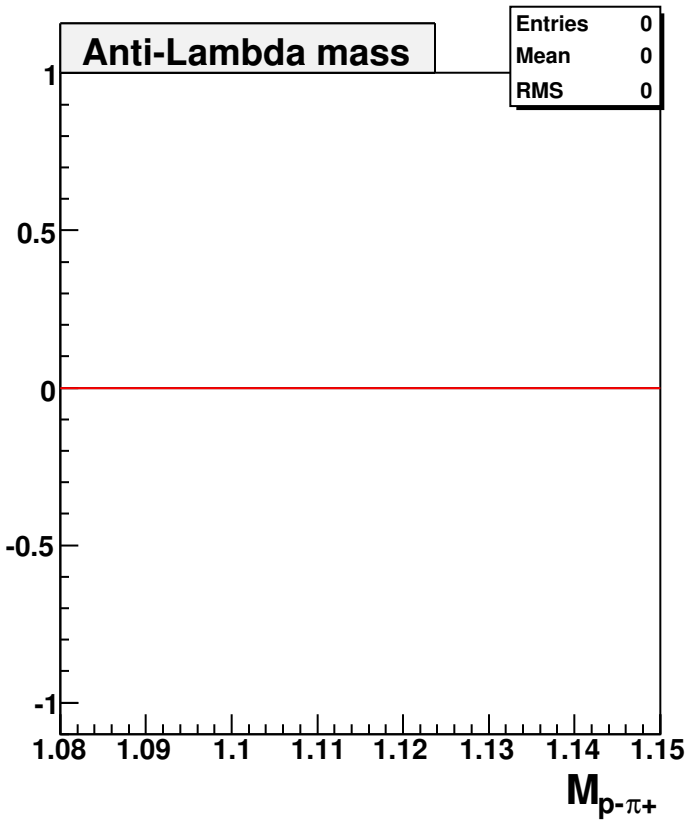


Vertices (Primary - best)


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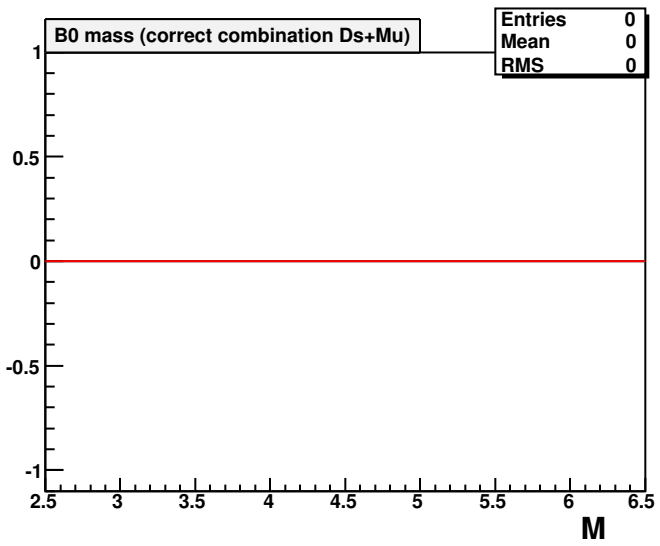
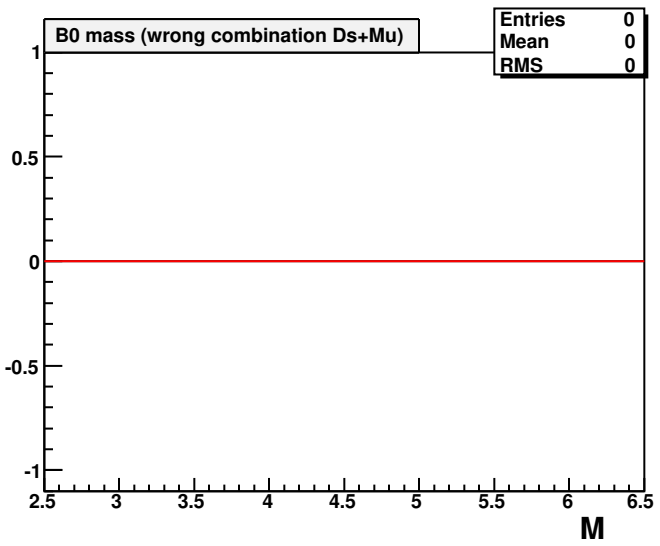
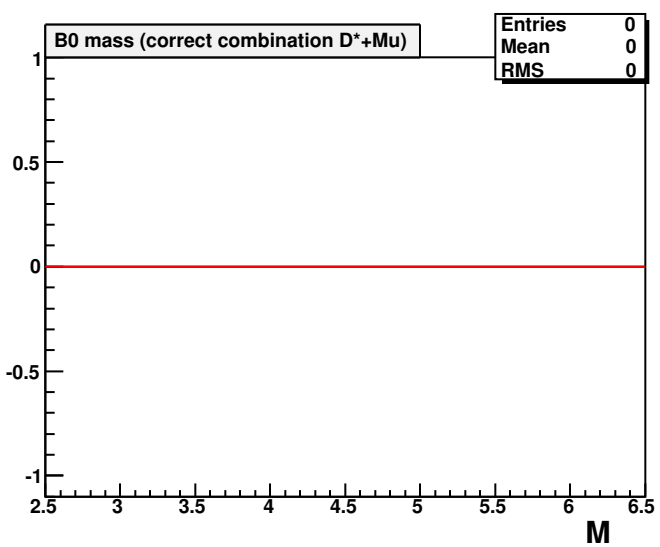
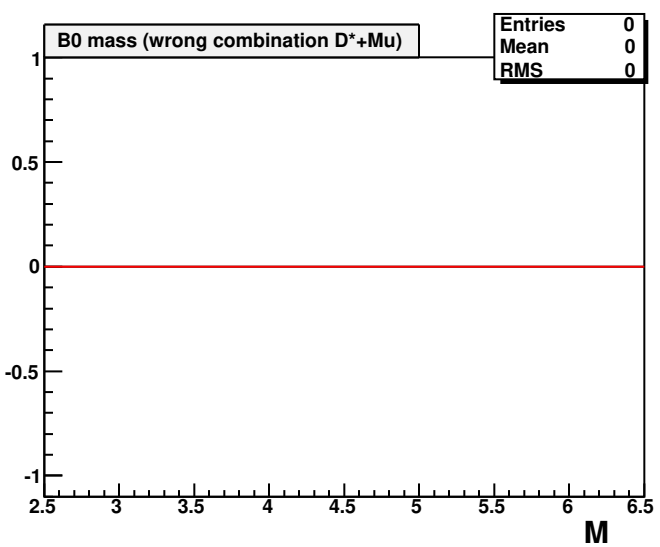
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

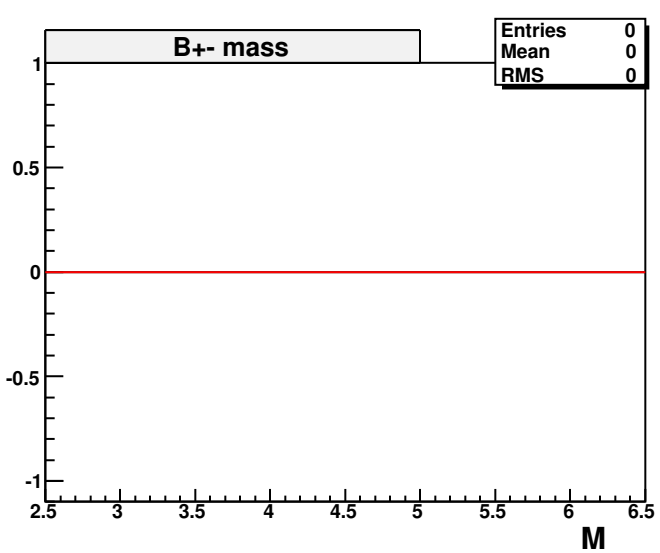
V0 (All)



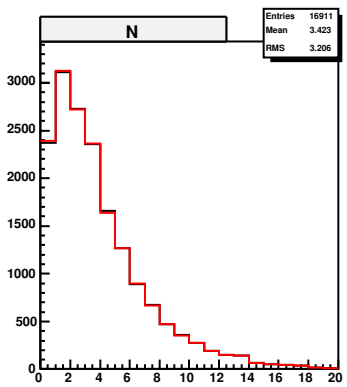


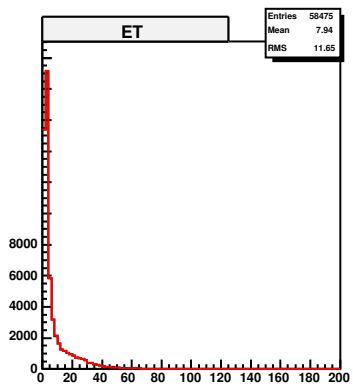


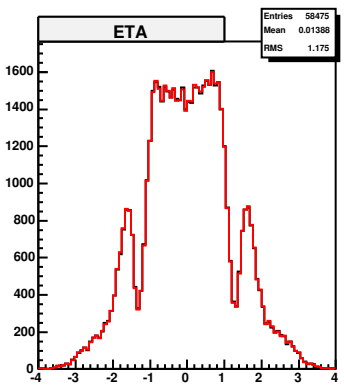


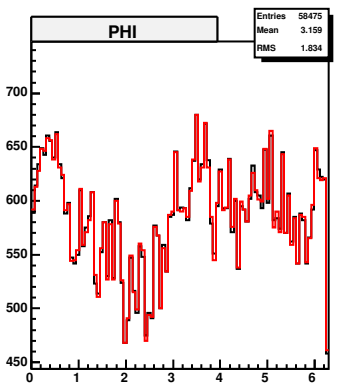


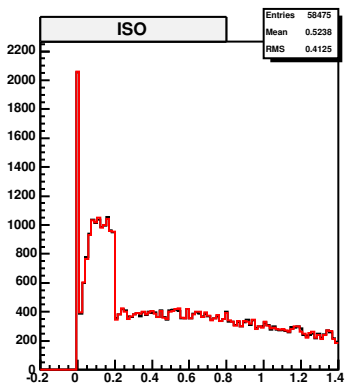
V0(B mesons) (All)

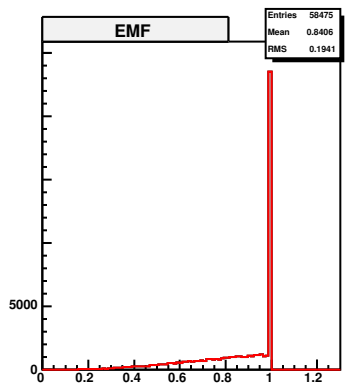


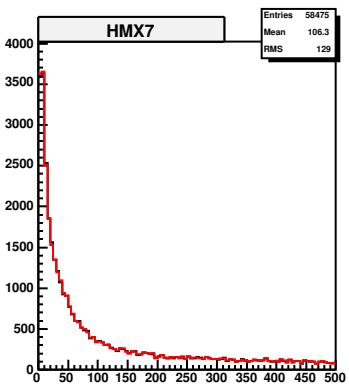


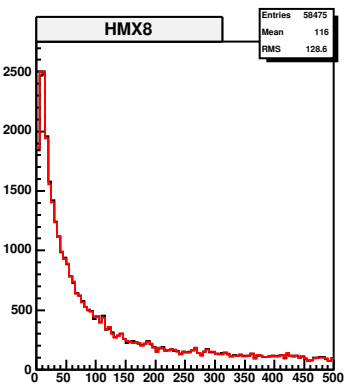


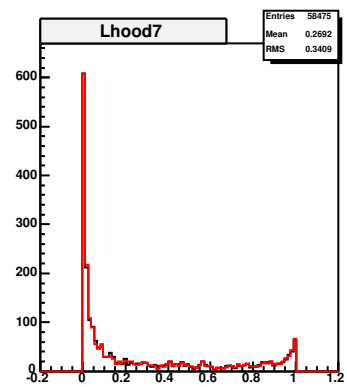


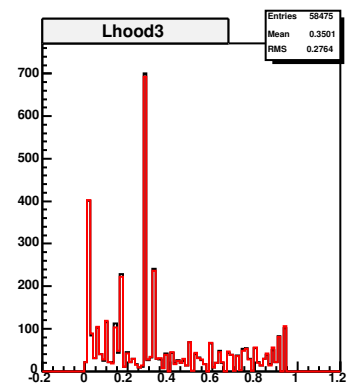


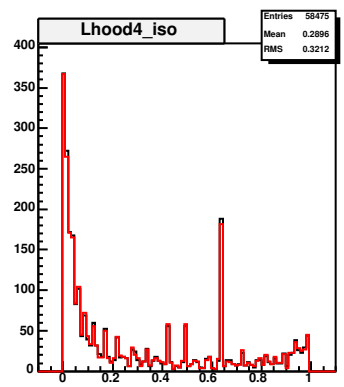


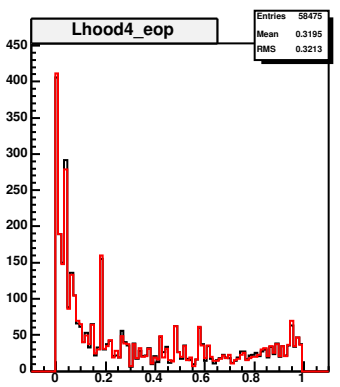


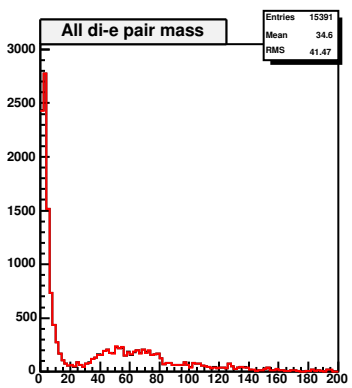


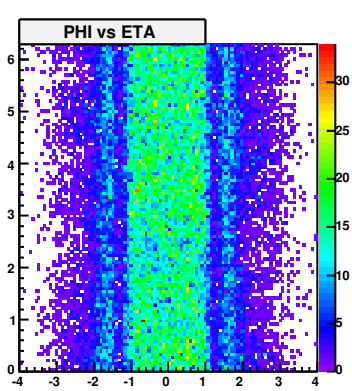


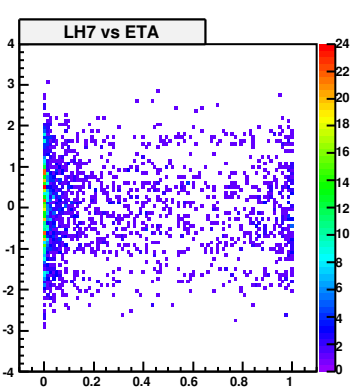


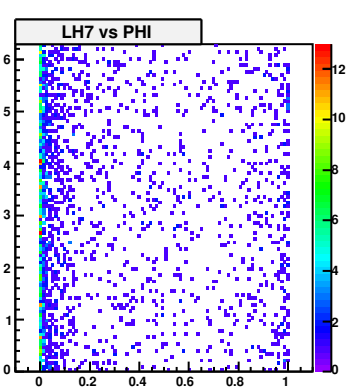




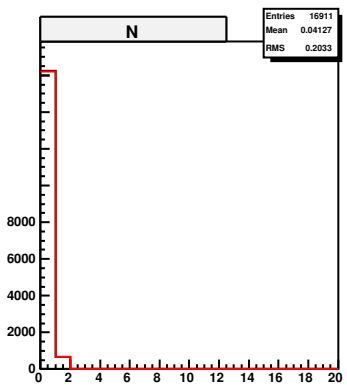


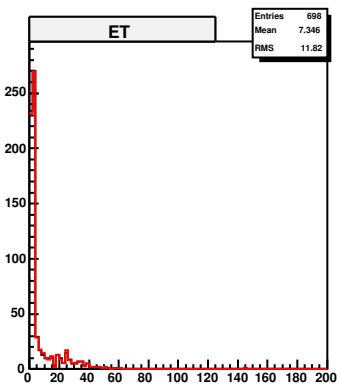


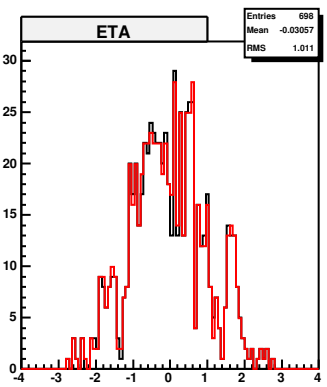


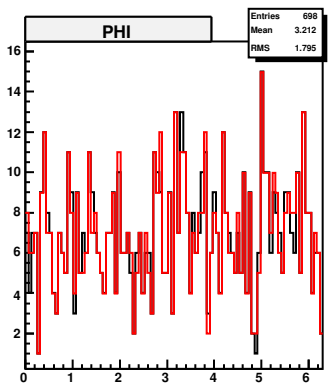


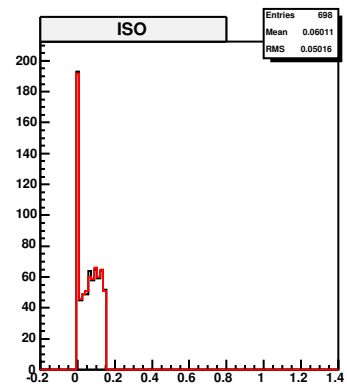
Electrons (SCONE All)

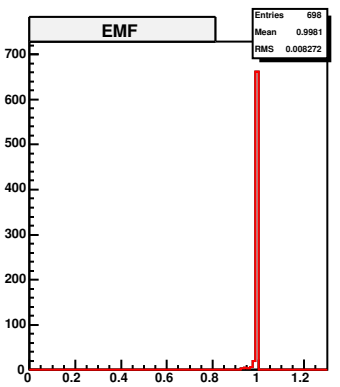


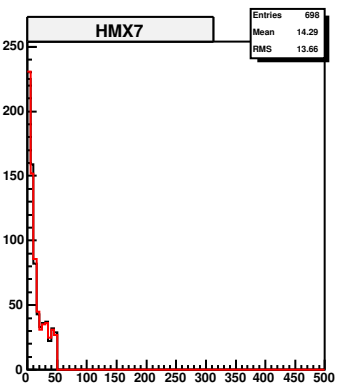


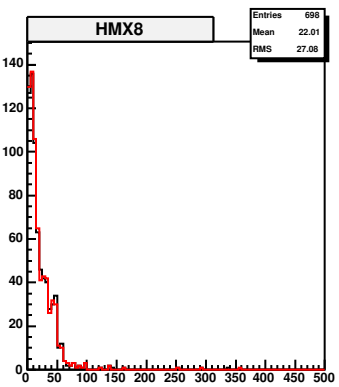


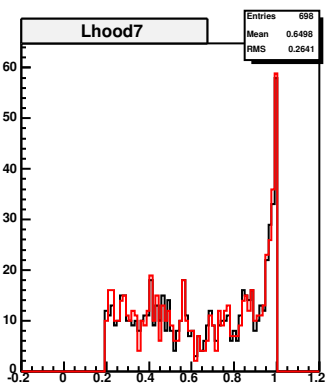


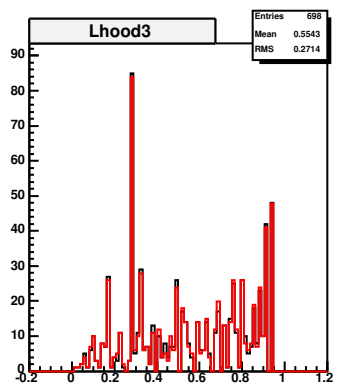


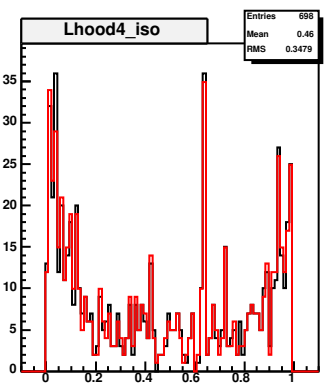


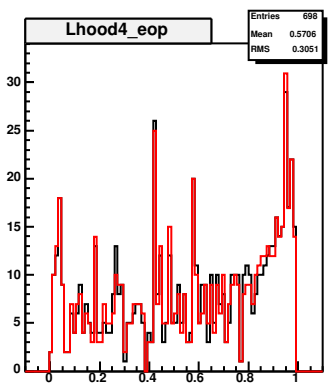


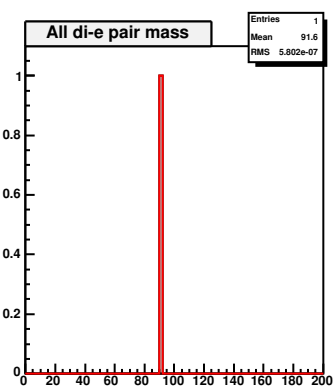


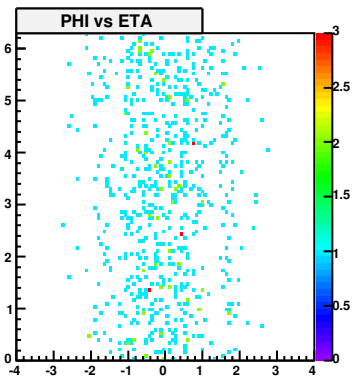


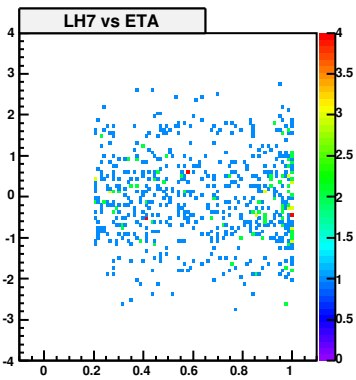


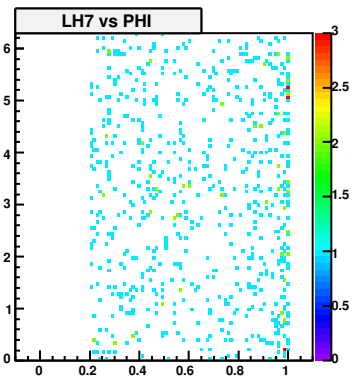




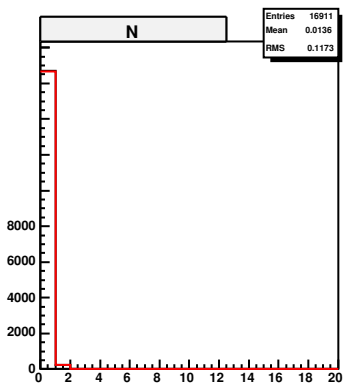


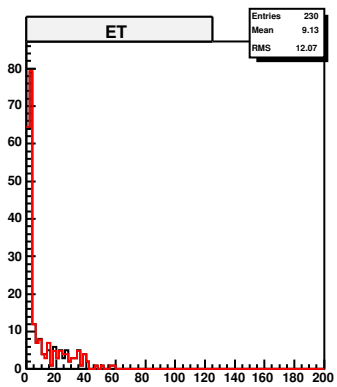


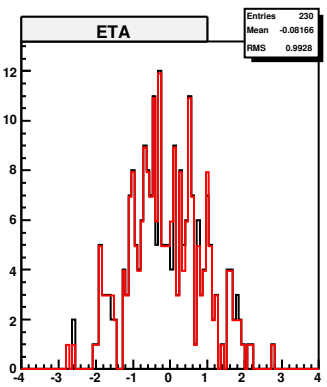


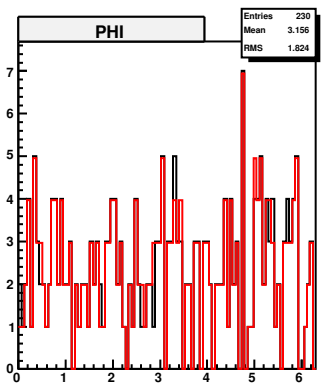


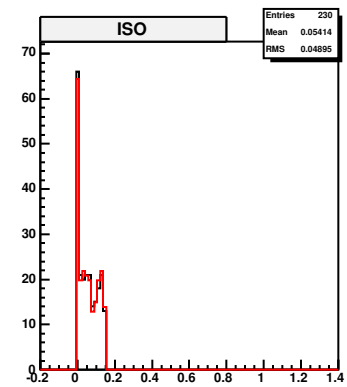
Electrons (SCONE Loose)

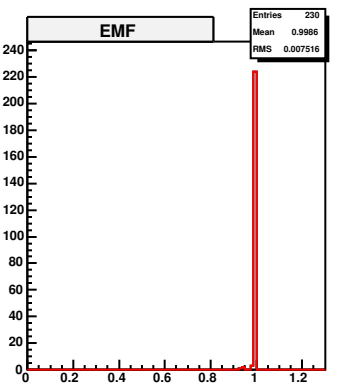


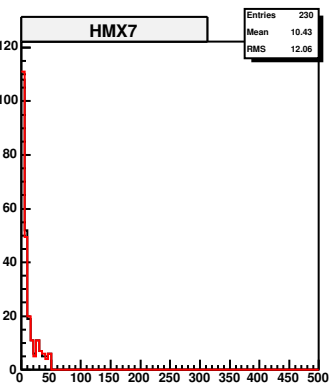


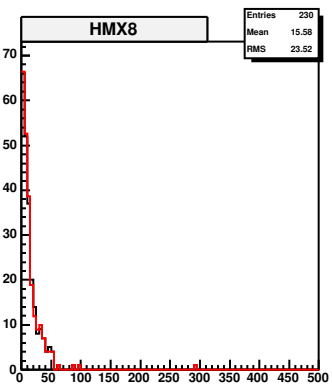


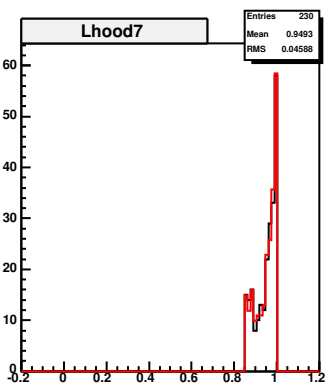


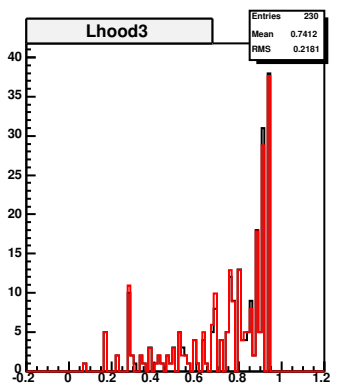


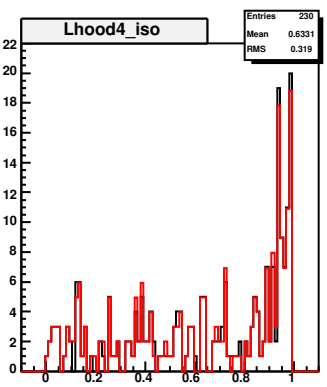


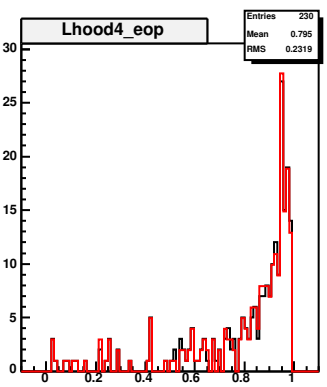


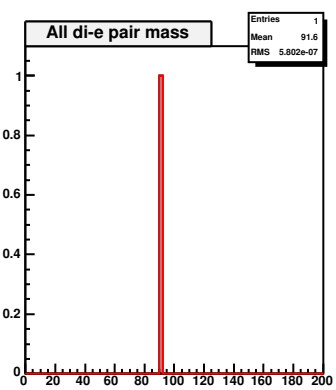


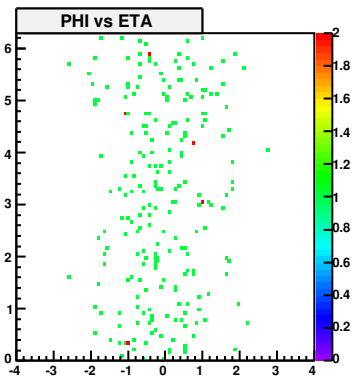


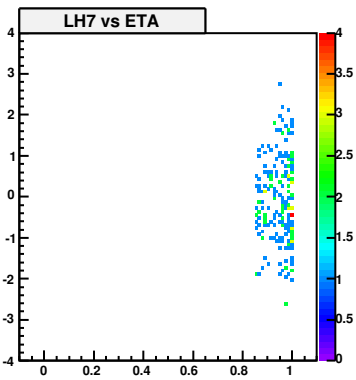


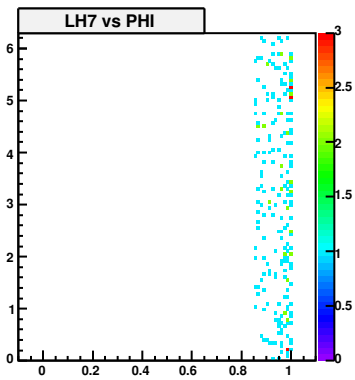




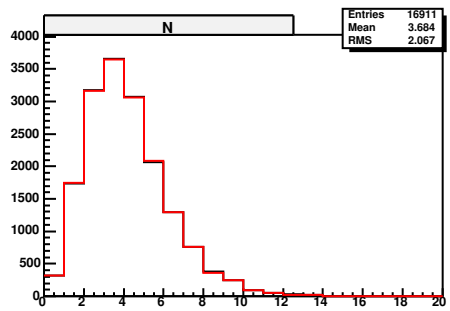


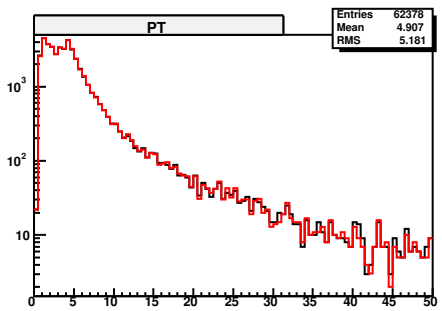


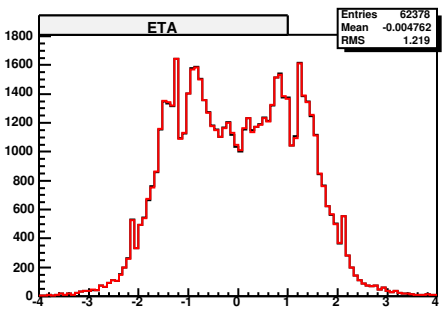


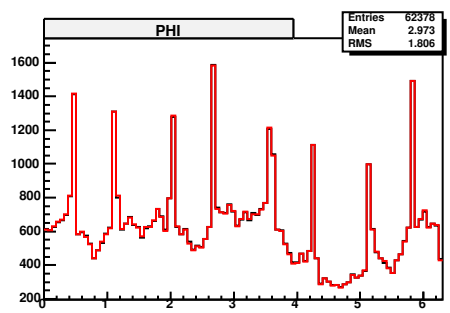


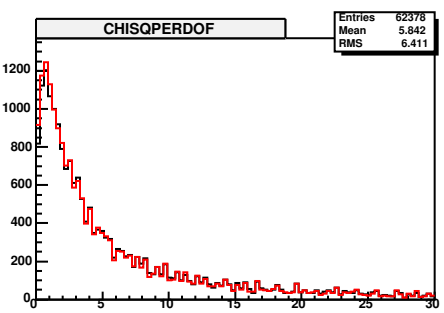
Electrons (SCONE Tight)

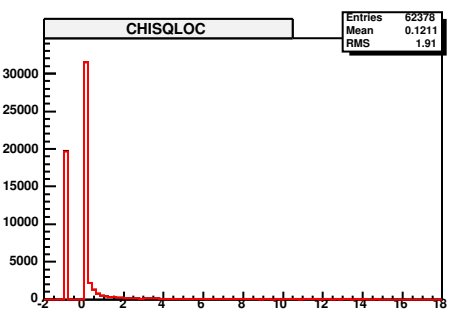

N
Entries 16911
Mean 3.684
RMS 2.067

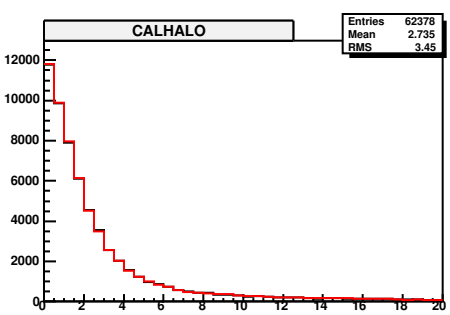

PT
Entries 62378
Mean 4.907
RMS 5.181

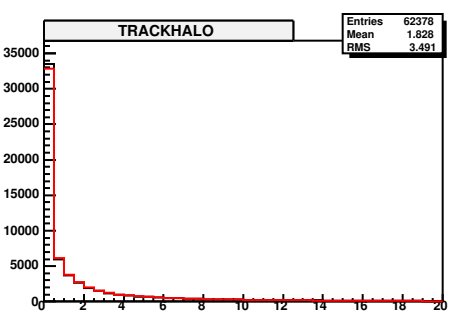

ETA
Entries 62378
Mean -0.004762
RMS 1.219

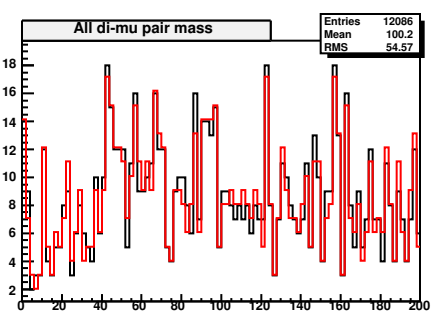

PHI
Entries 62378
Mean 2.973
RMS 1.806

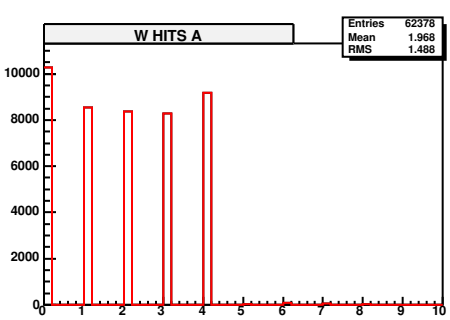

CHISQPERDOF
Entries 62378
Mean 5.842
RMS 6.411

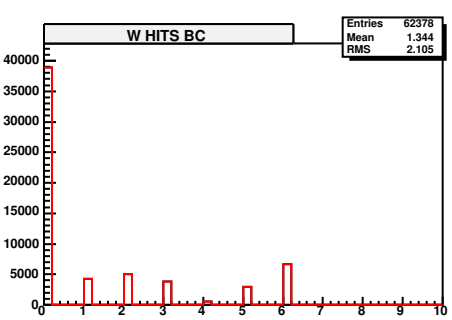

CHISQLOC
Entries 62378
Mean 0.1211
RMS 1.91

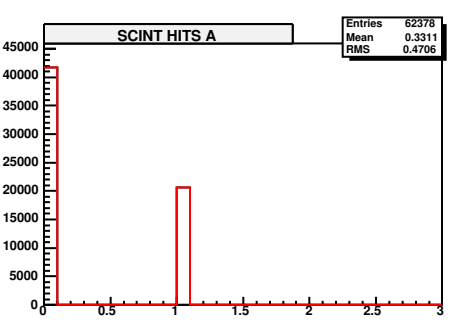

CALHALO
Entries 62378
Mean 2.735
RMS 3.45

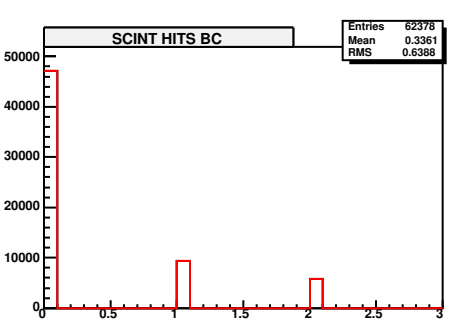

TRACKHALO
Entries 62378
Mean 1.828
RMS 3.491


All di-mu pair mass
Entries 12086
Mean 100.2
RMS 54.57

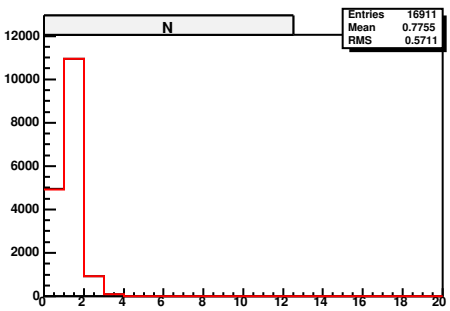

W HITS A
Entries 62378
Mean 1.968
RMS 1.488

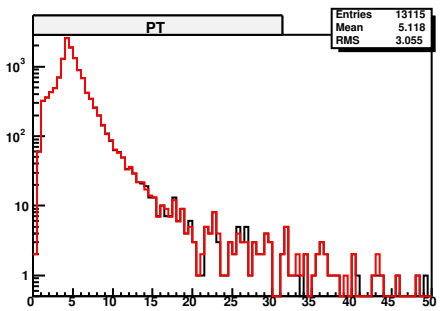

W HITS BC
Entries 62378
Mean 1.344
RMS 2.105

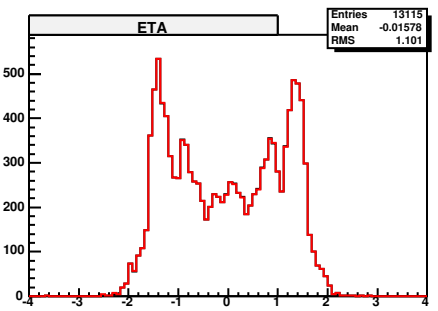

SCINT HITS A
Entries 62378
Mean 0.3311
RMS 0.4706

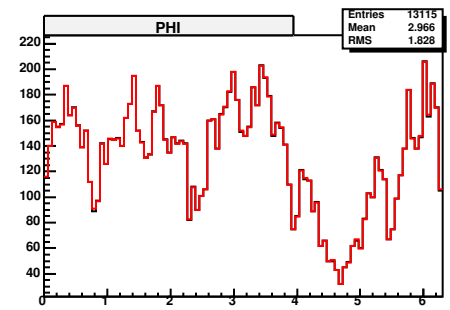

SCINT HITS BC
Entries 62378
Mean 0.3361
RMS 0.6388

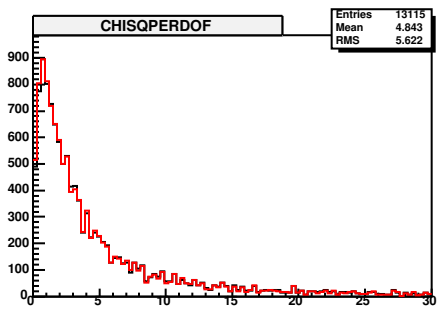
Muons (All)

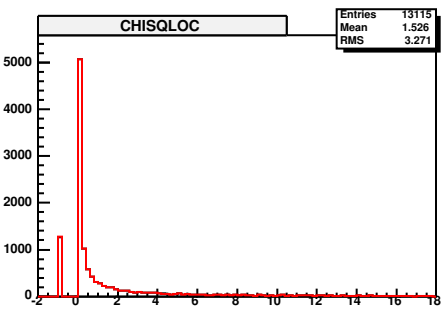


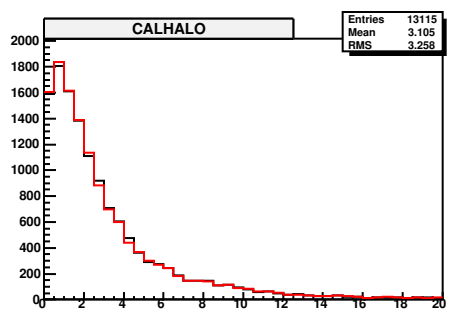


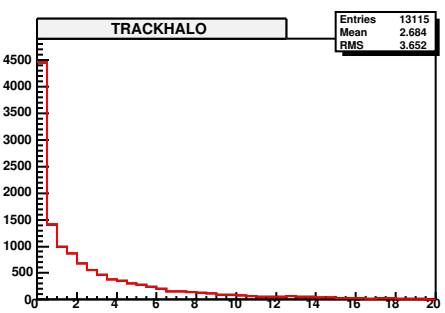


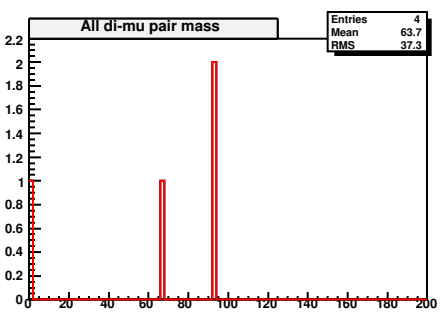


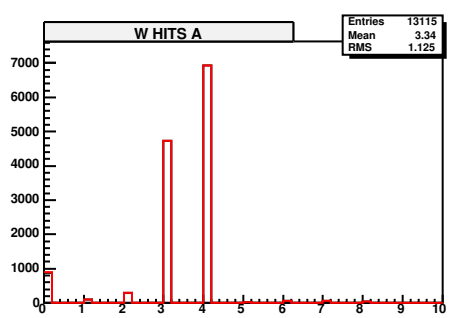


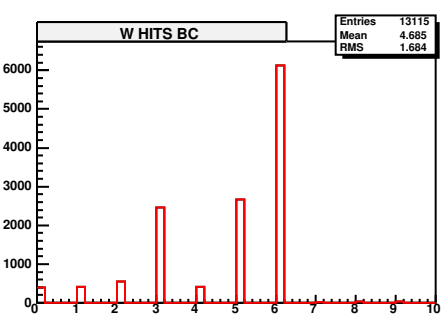


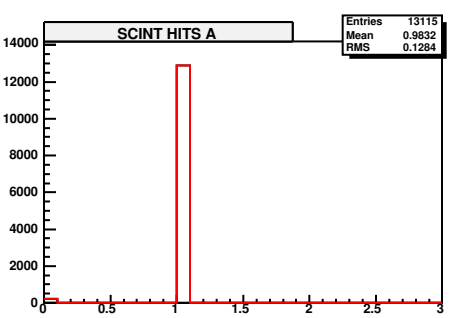


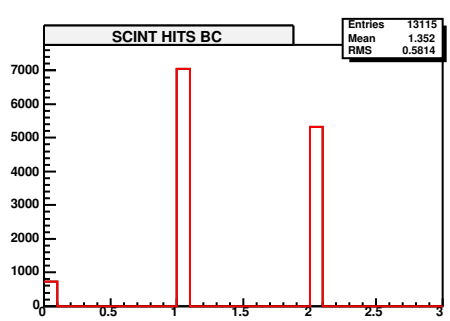




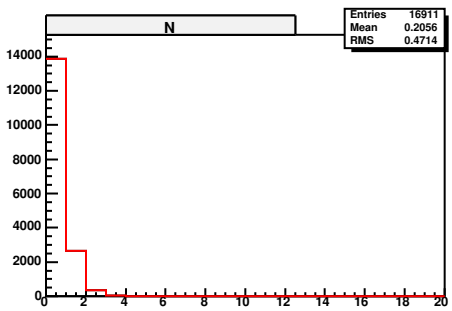


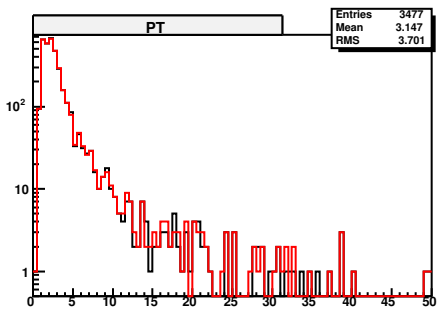


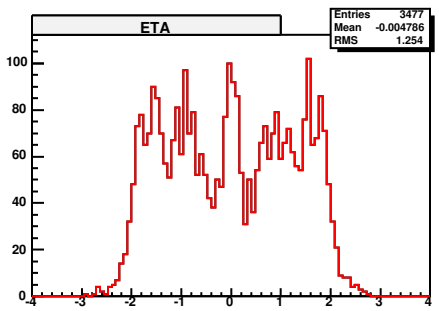


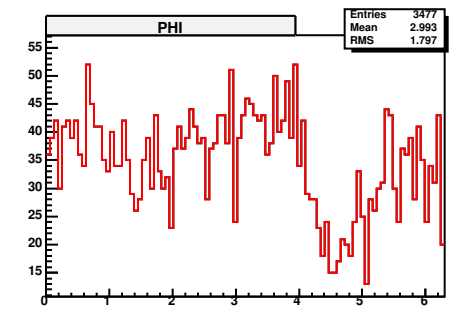


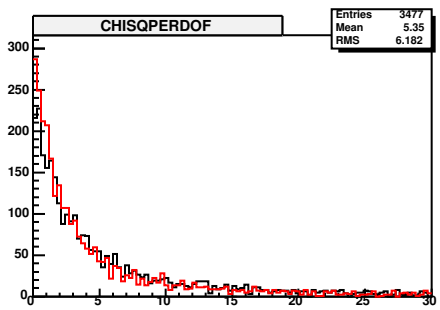
Muons (Matched)

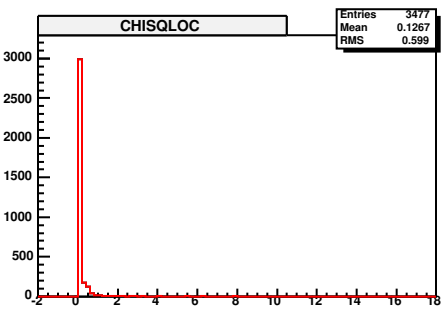

N
Entries 16911
Mean 0.2056
RMS 0.4714

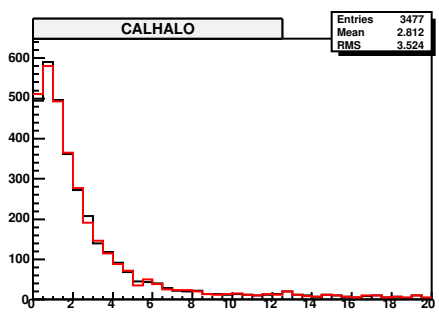

PT
Entries 3477
Mean 3.147
RMS 3.701

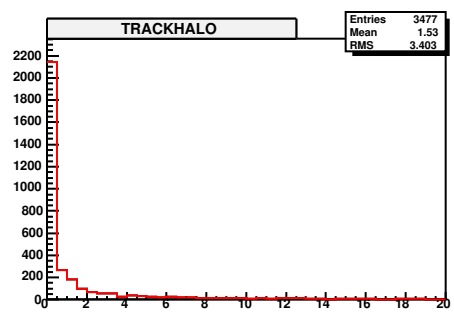

ETA
Entries 3477
Mean -0.004786
RMS 1.254

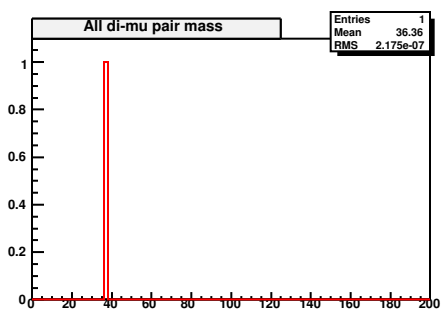

PHI
Entries 3477
Mean 2.993
RMS 1.797

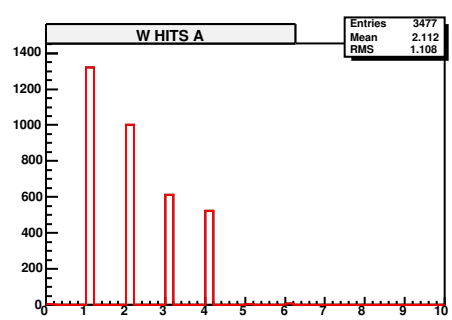

CHISQPERDOF
Entries 3477
Mean 5.35
RMS 6.182

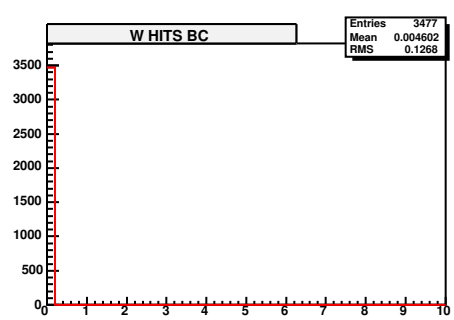

CHISQLOC
Entries 3477
Mean 0.1267
RMS 0.599

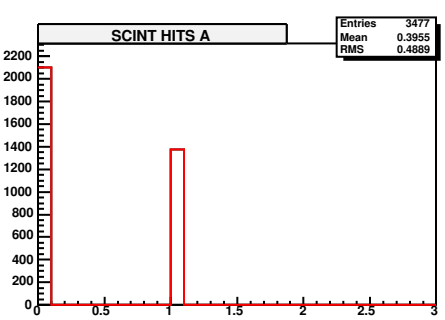

CALHALO
Entries 3477
Mean 2.812
RMS 3.524

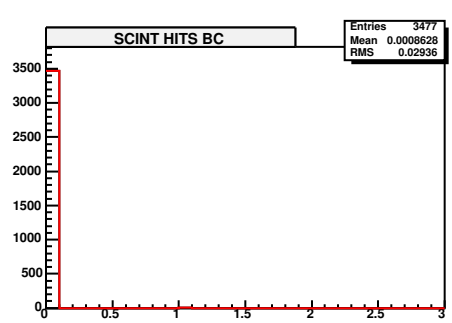

TRACKHALO
Entries 3477
Mean 1.53
RMS 3.403


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

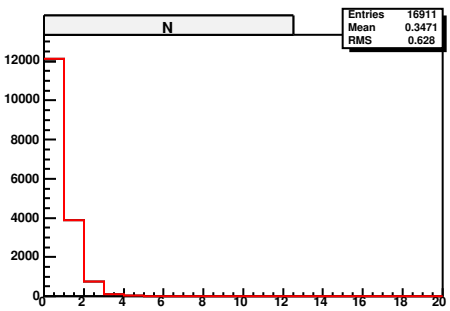

W HITS A
Entries 3477
Mean 2.112
RMS 1.108

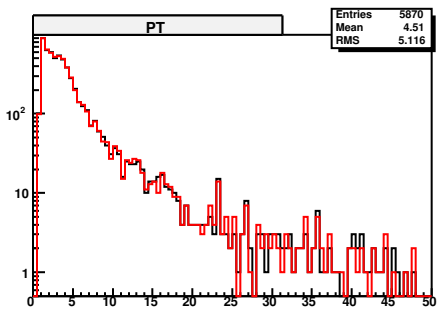

W HITS BC
Entries 3477
Mean 0.004602
RMS 0.1268

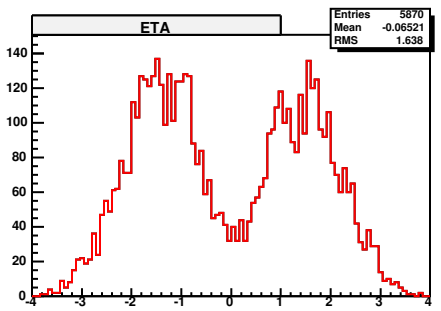

SCINT HITS A
Entries 3477
Mean 0.3955
RMS 0.4889

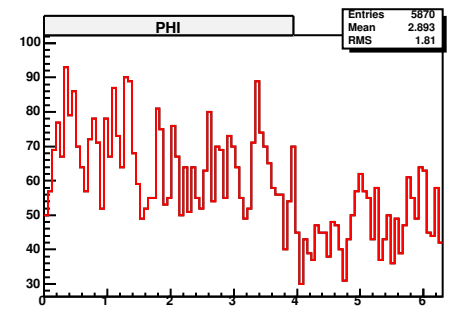

SCINT HITS BC
Entries 3477
Mean 0.0008628
RMS 0.02936

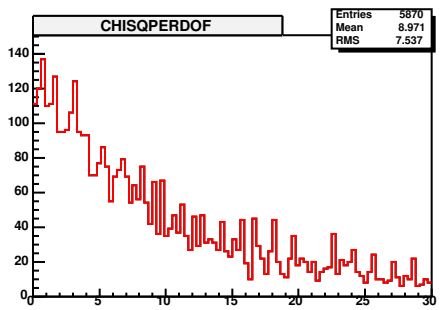
Muons (Astub)

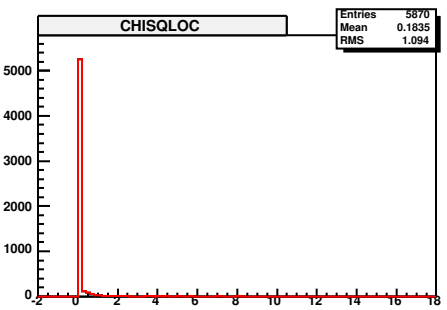


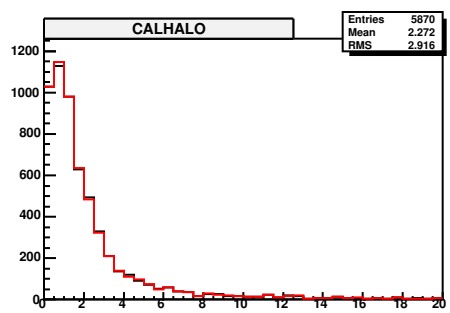


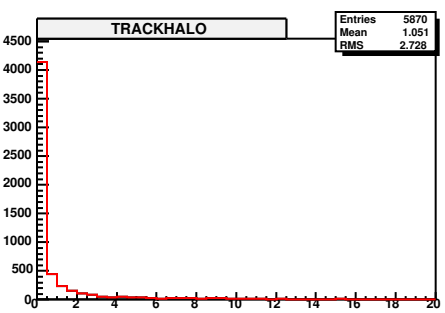


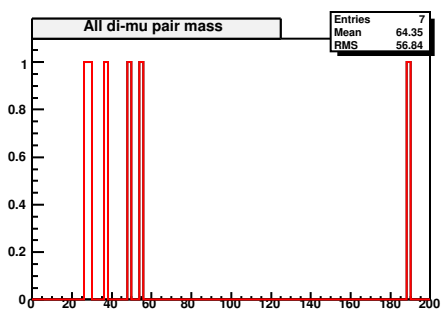


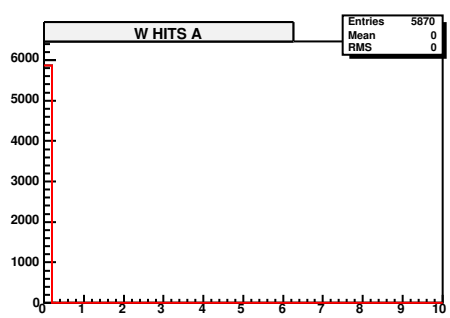


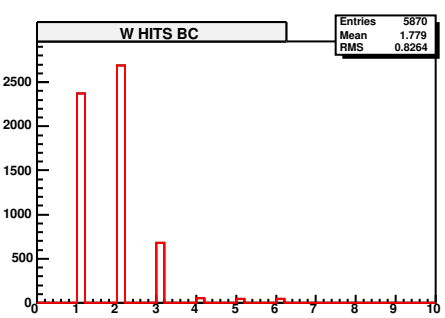


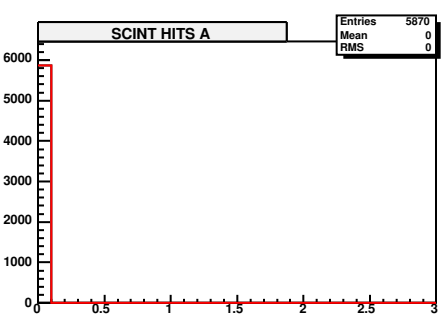


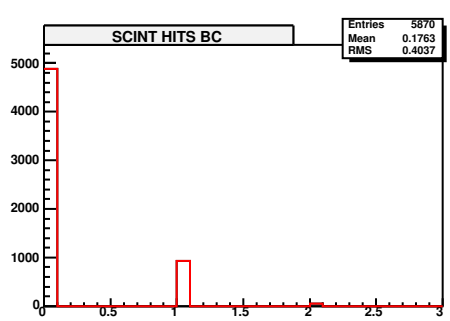




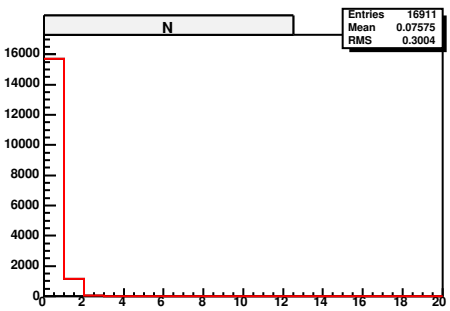


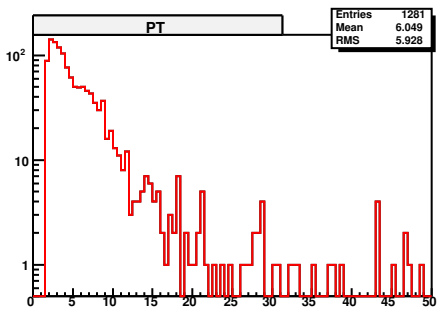


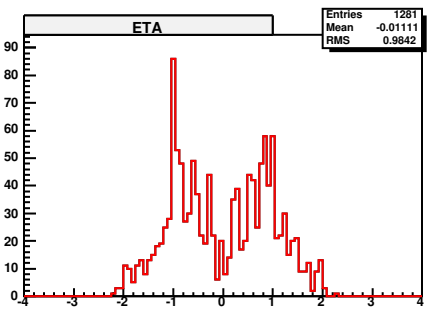


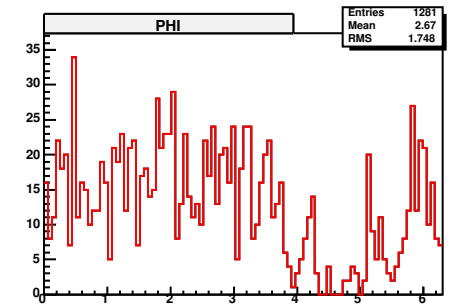


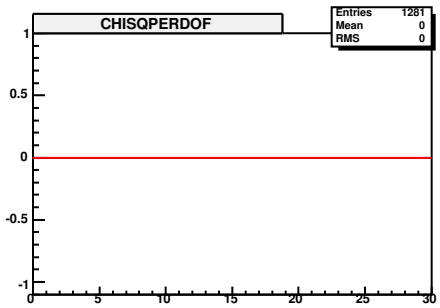
Muons (BCstub)

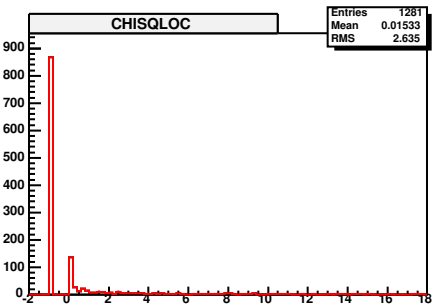


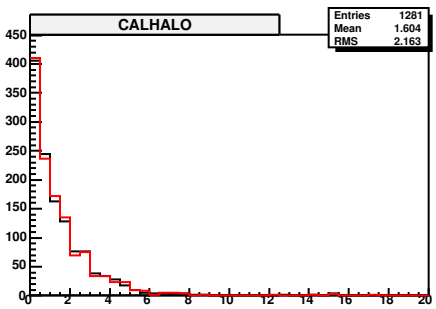


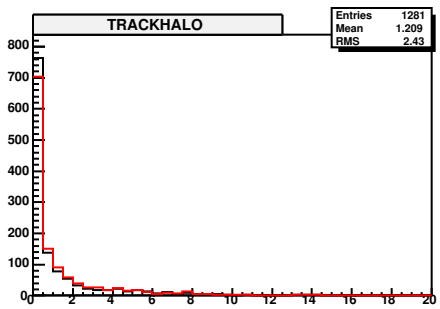


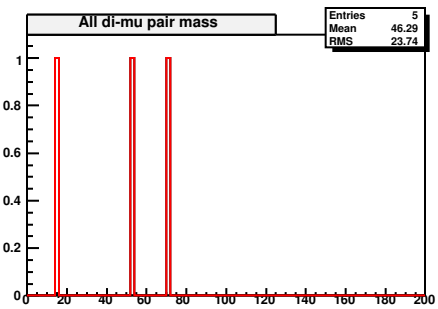


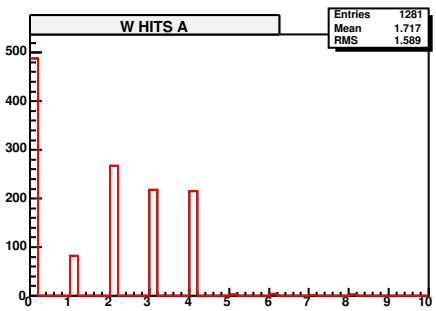


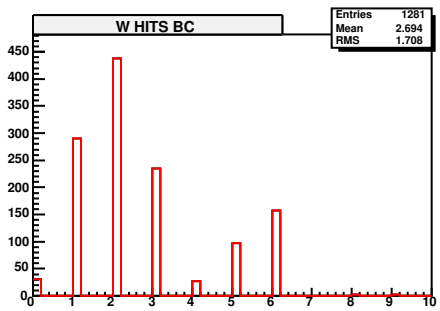


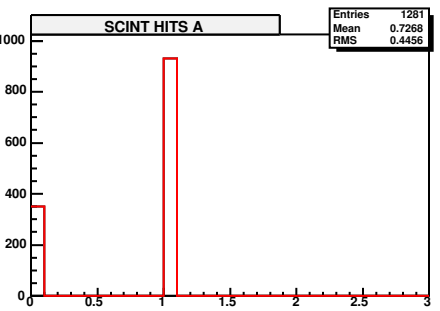


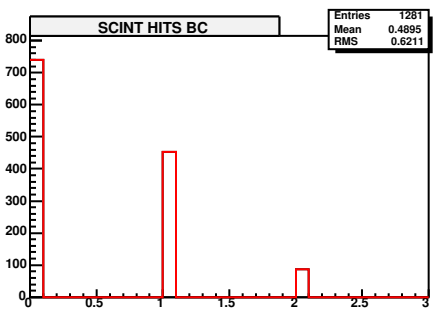




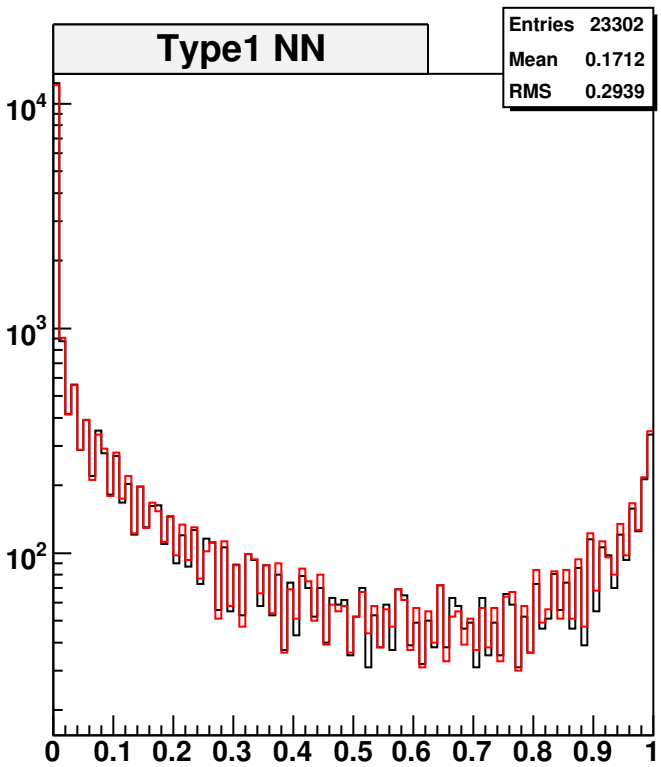


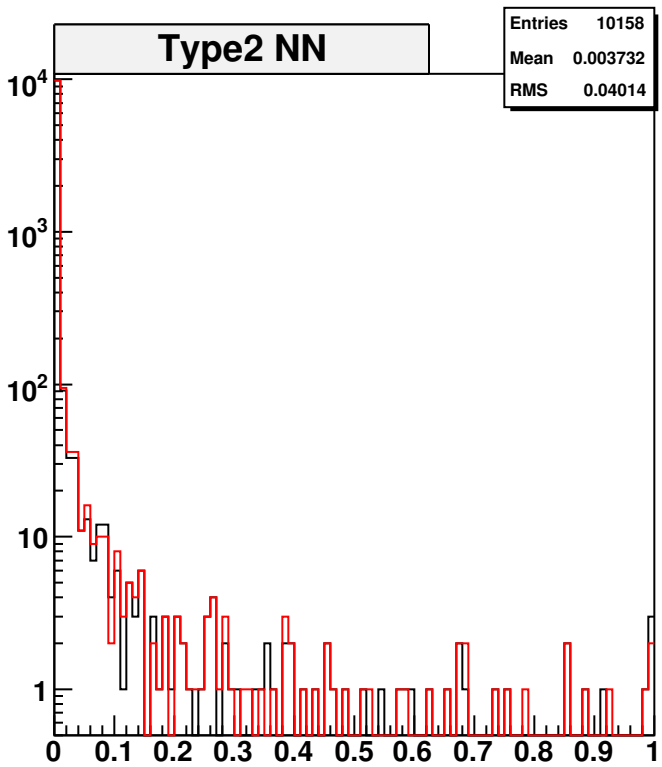


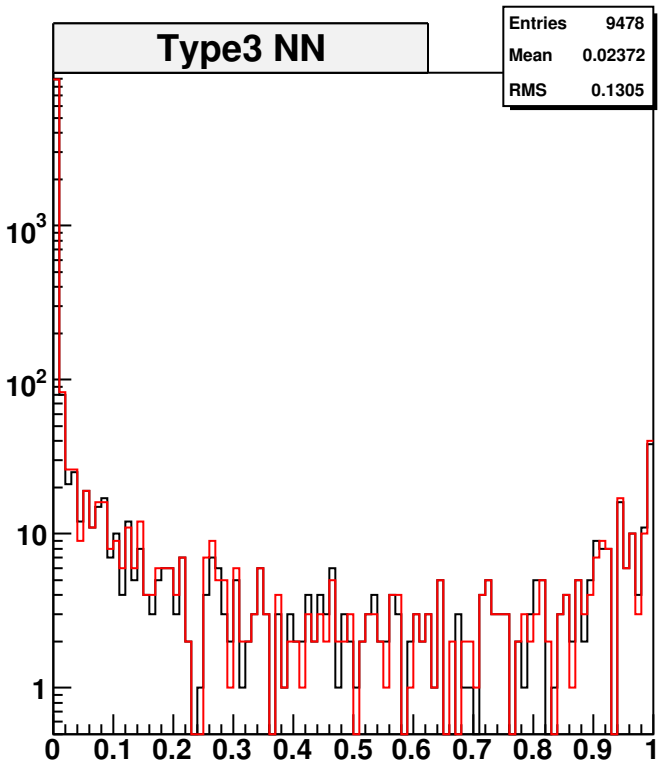


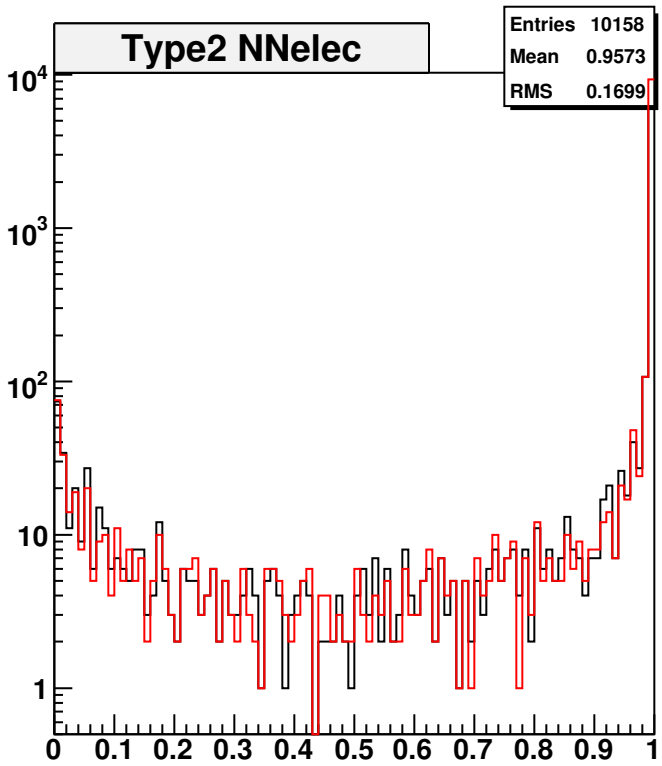


Muons (Unmatched)

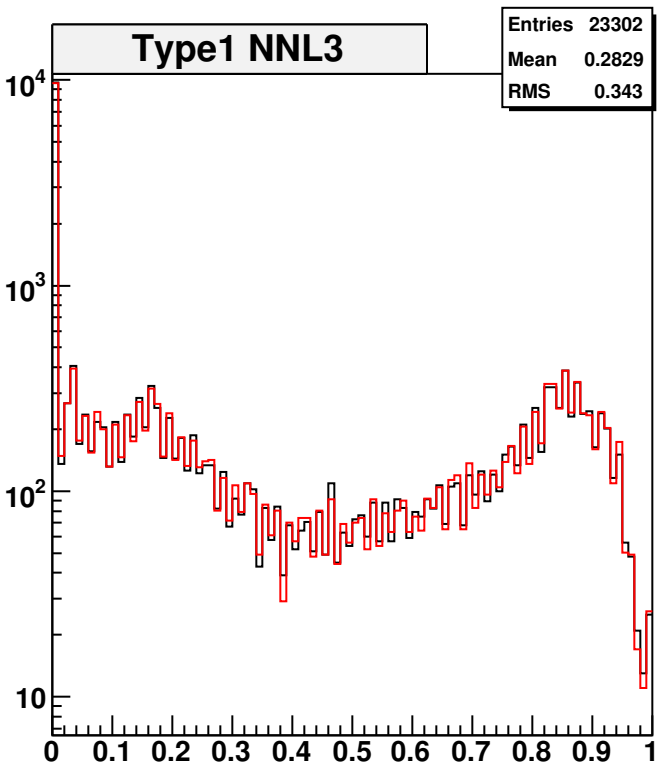


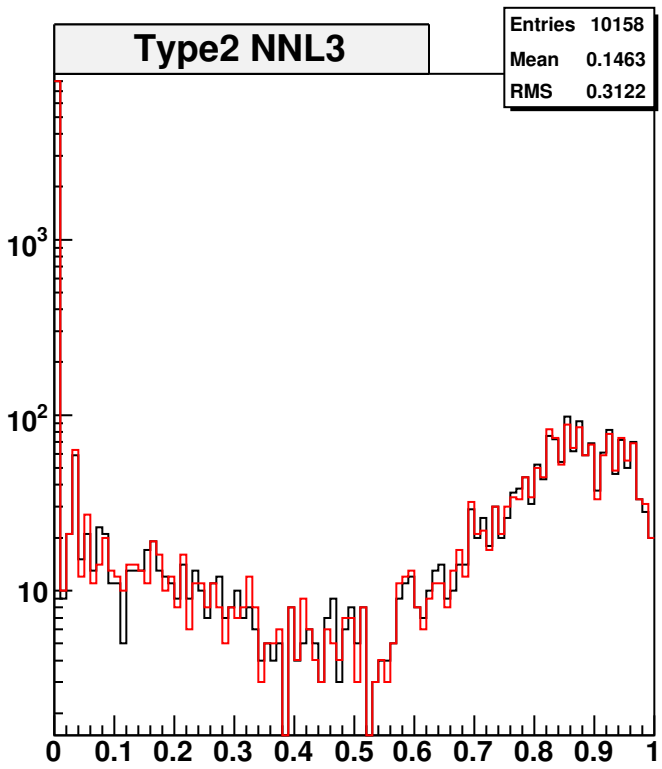


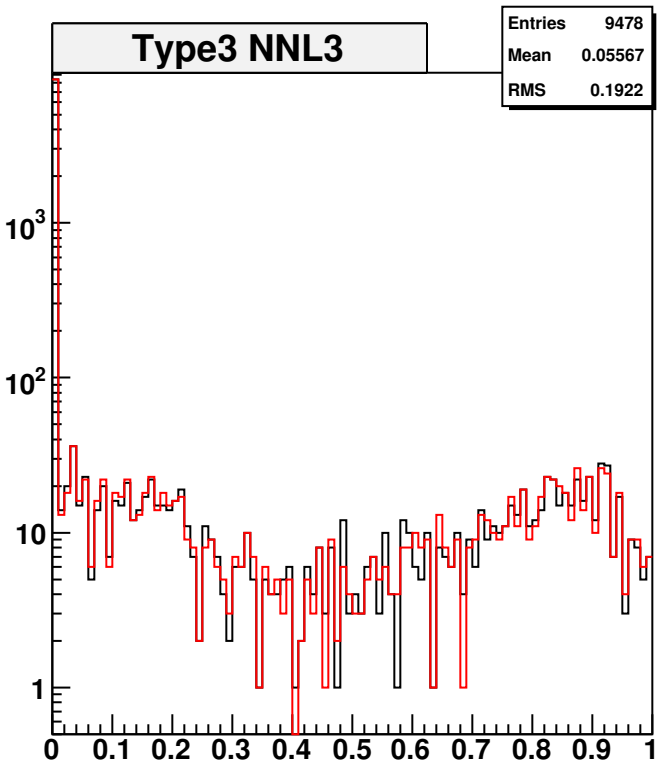


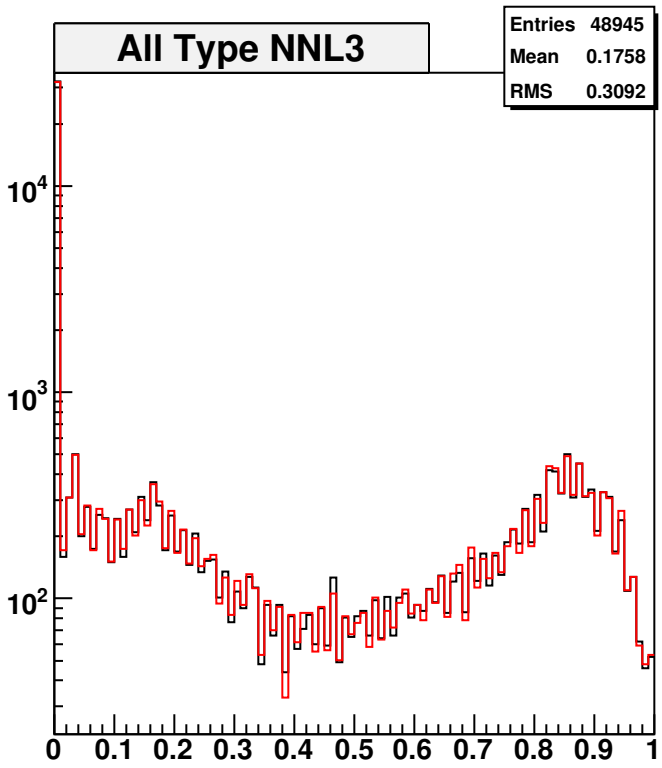


Taus NN (TAU All)

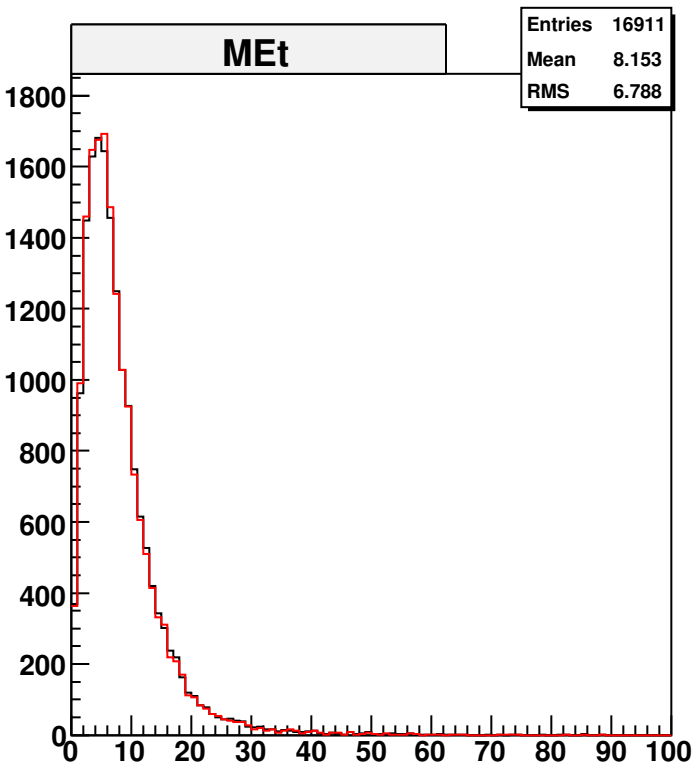








Taus NNL3 (TAU All)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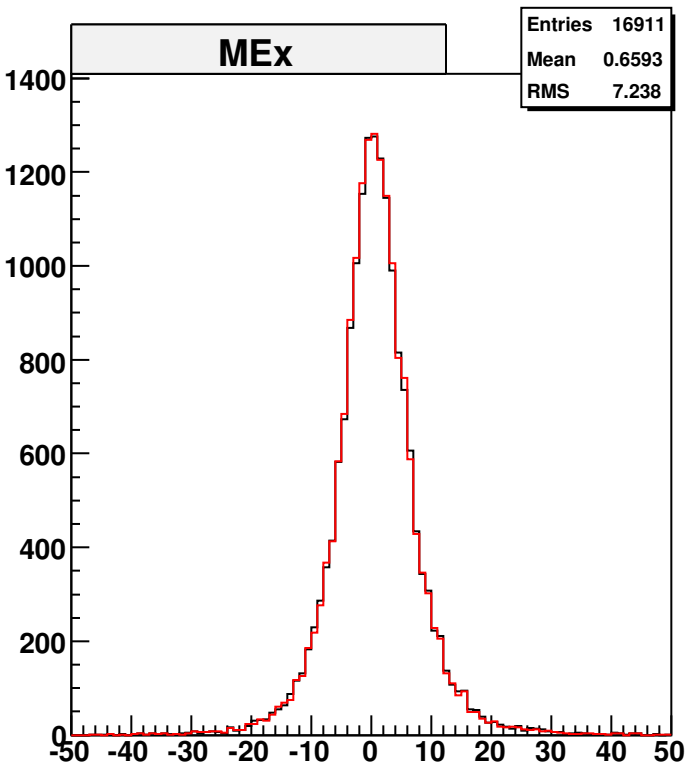
Mean 8.153
RMS 6.788
1800
1600
1400
1200
1000
800
600
400
200
0
0 10 20 30 40 50 60 70 80 90 100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Mean 0.6593
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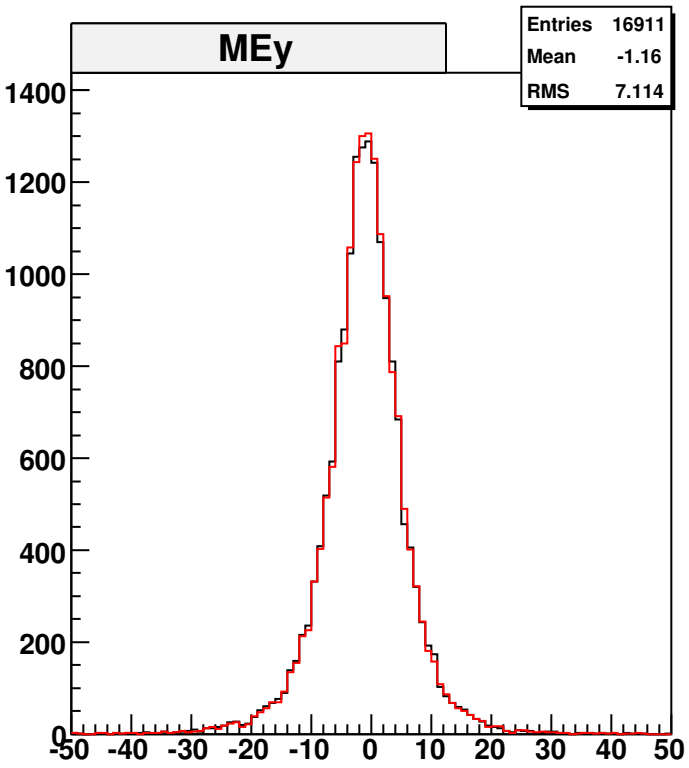
MEy
Entries 16911
Mean -1.16
RMS 7.114
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800
600
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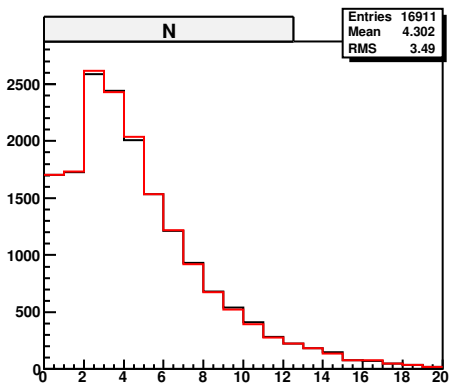
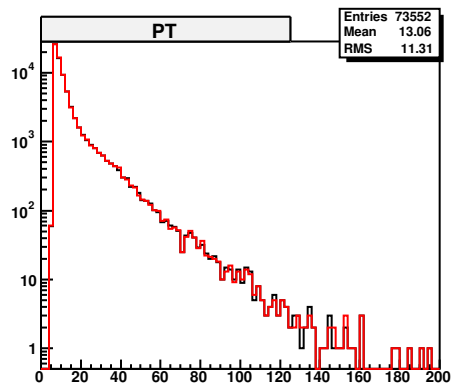
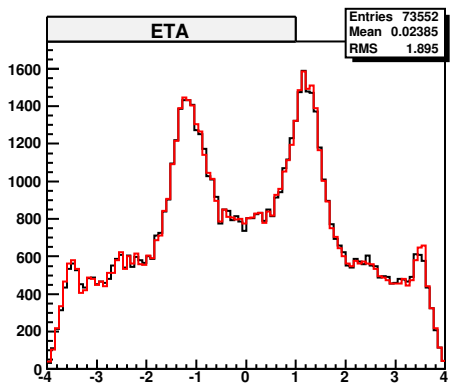
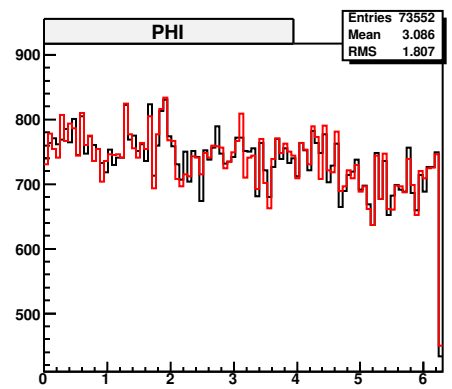
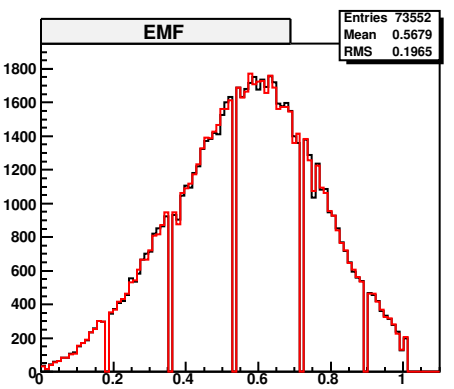
Met (No cuts)

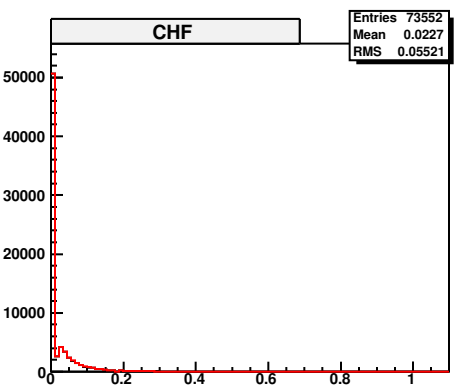


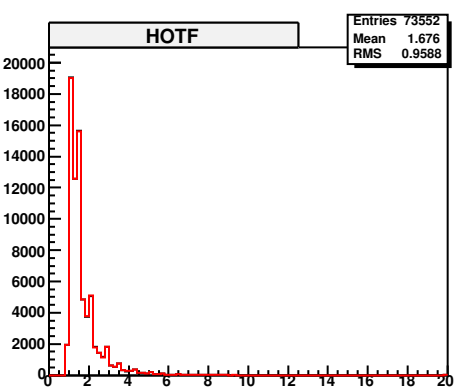


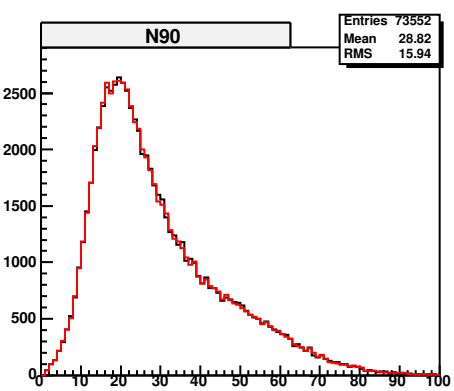


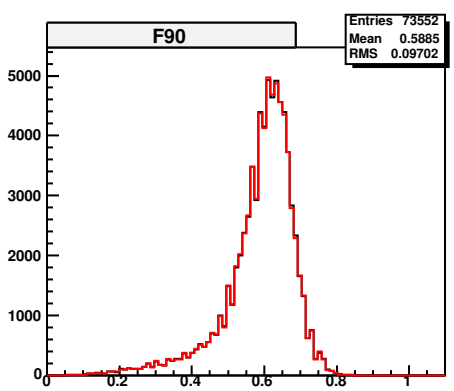


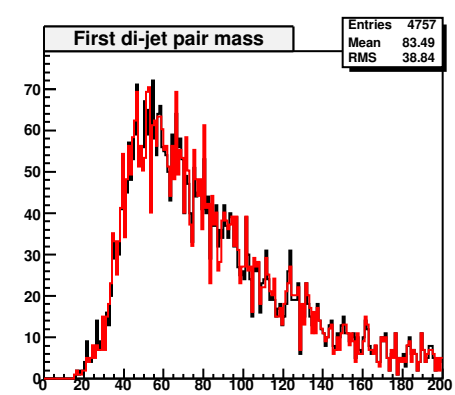


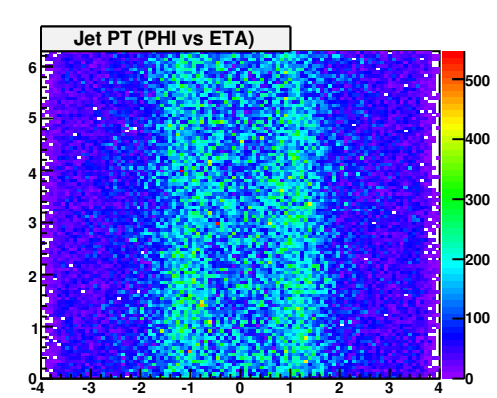




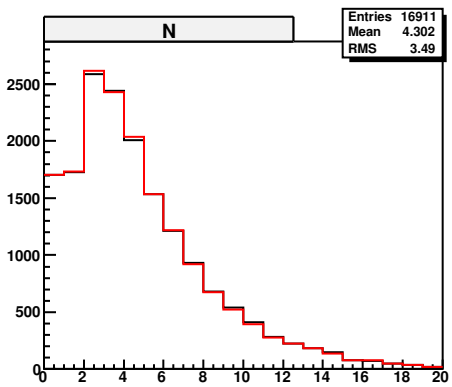


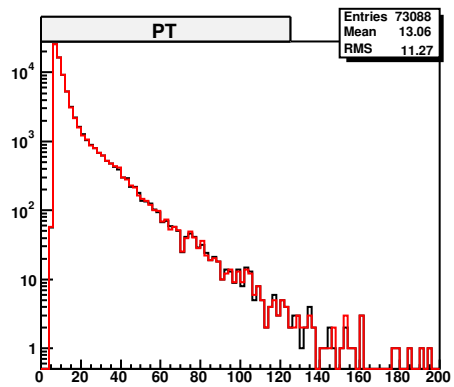


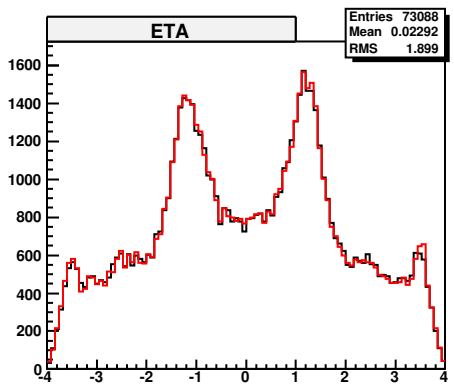


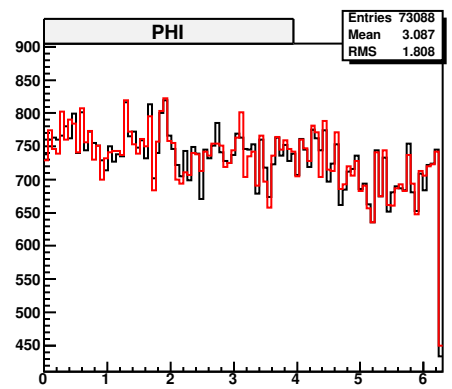


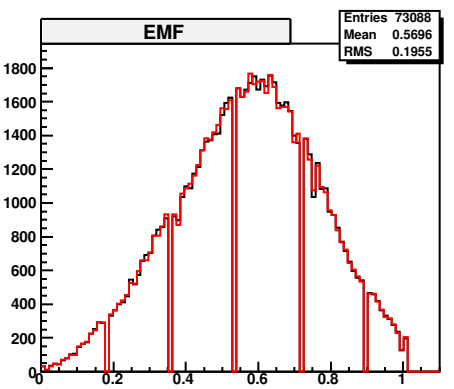
Jets (Cone R 0.7 (no cuts))

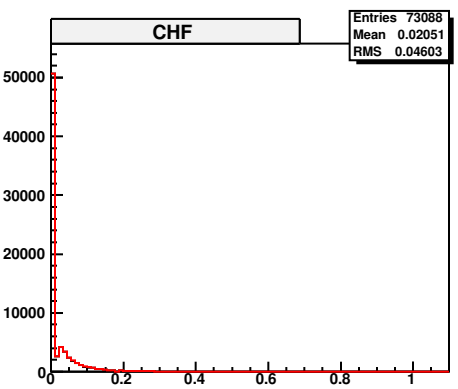


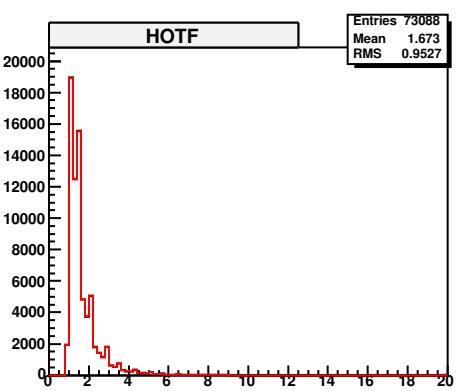


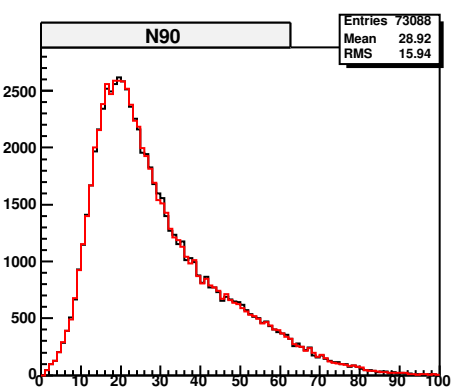


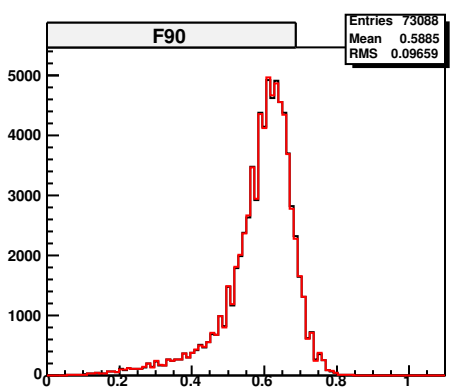


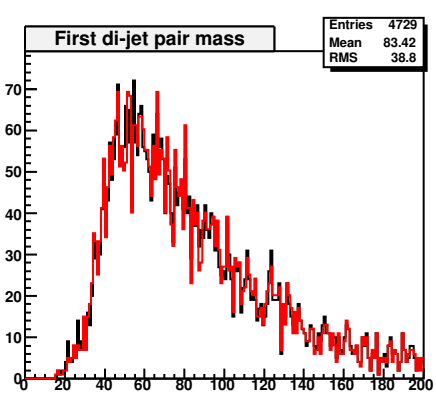


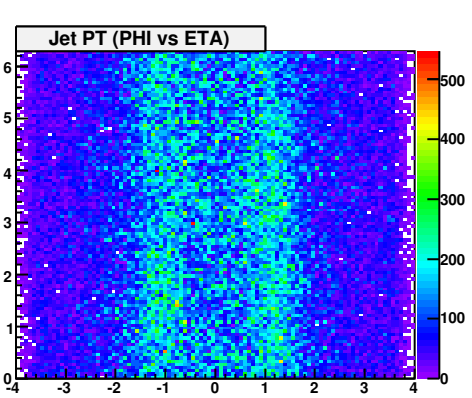




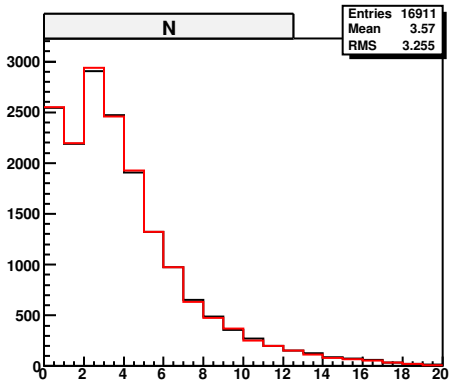


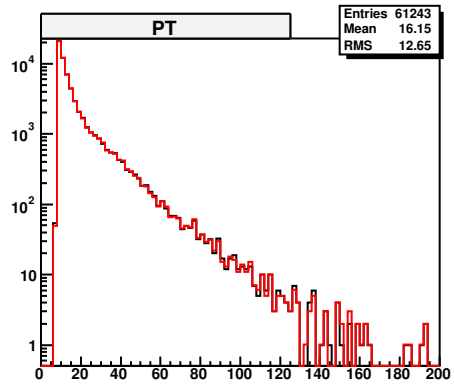


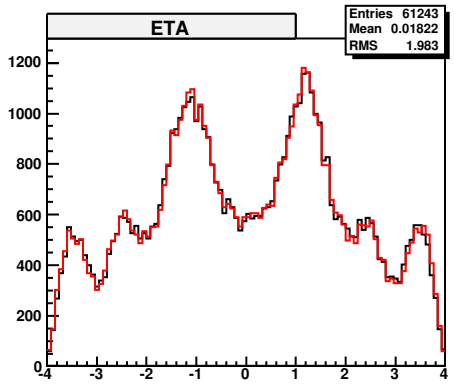


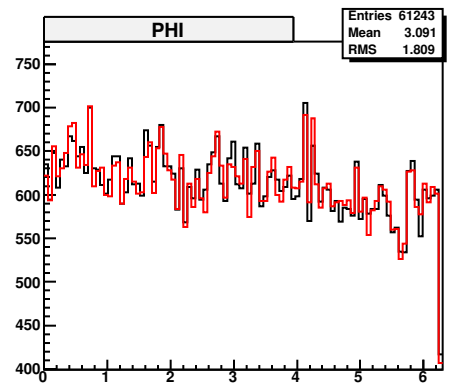


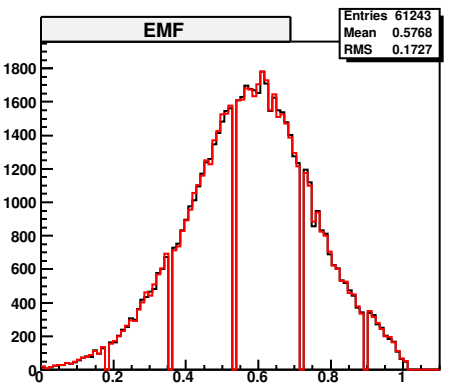
Jets (Cone R 0.7 (standard cuts))

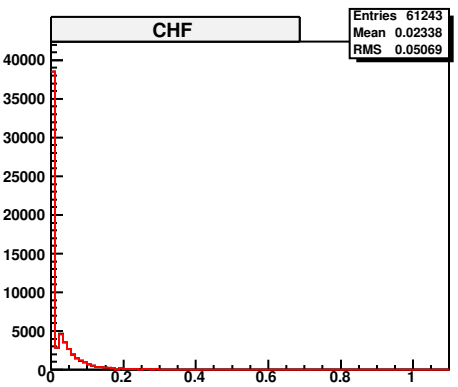


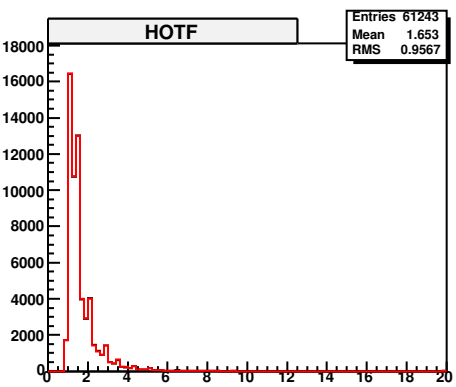


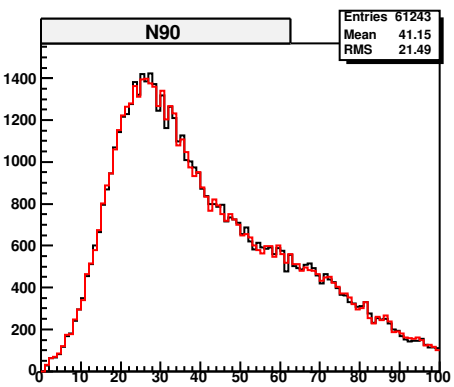


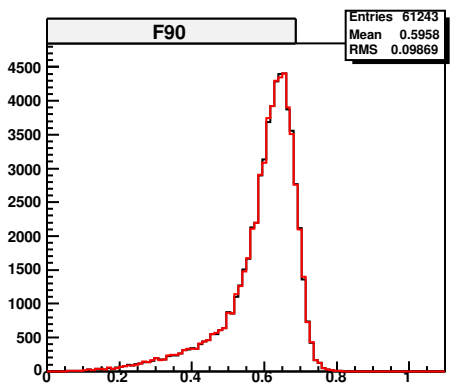


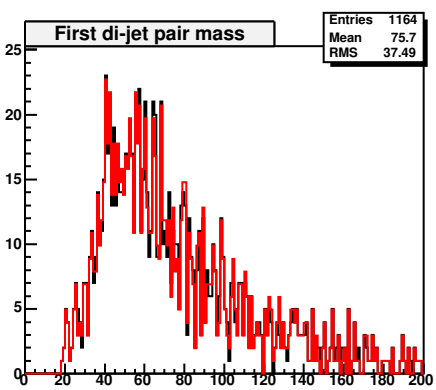


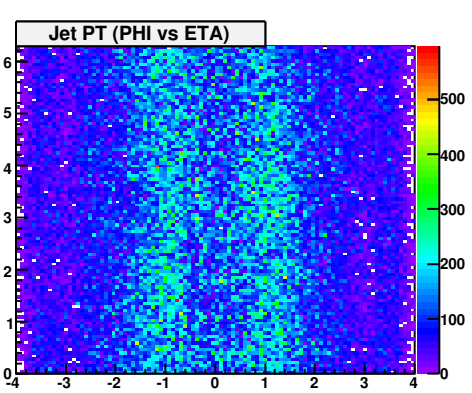




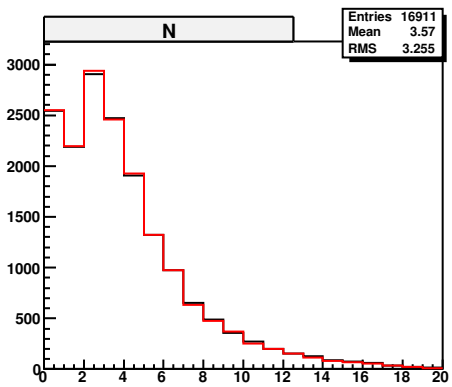


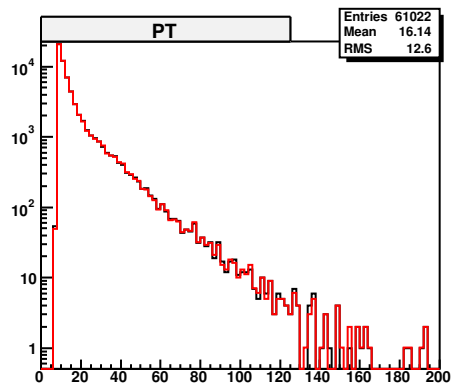


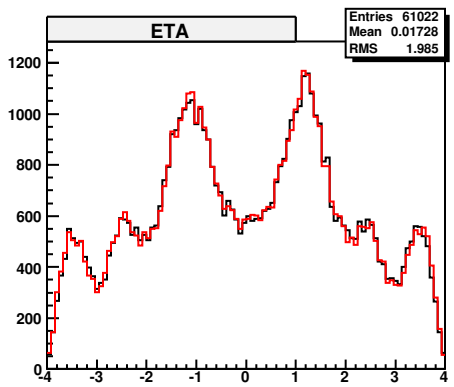


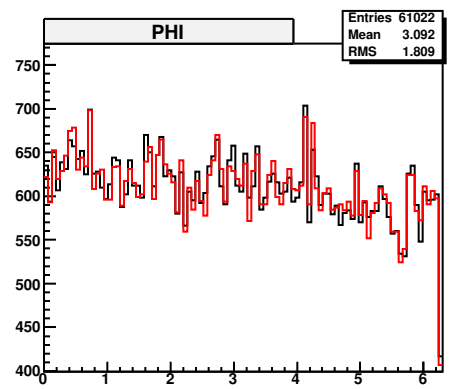


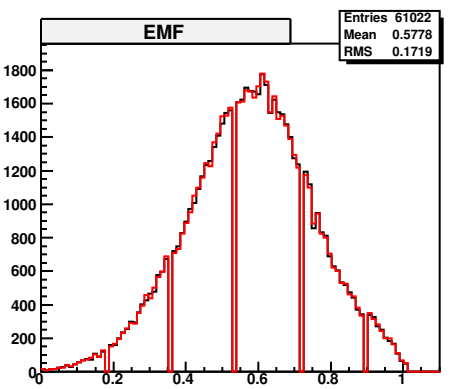
Jets (KT D 1 (no cuts))

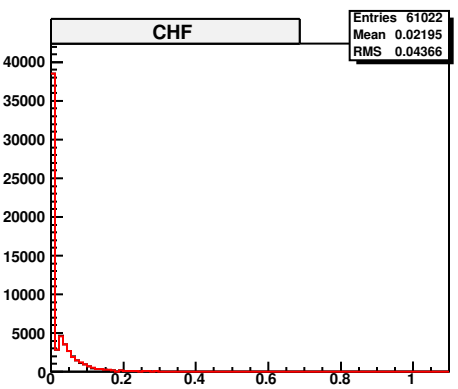


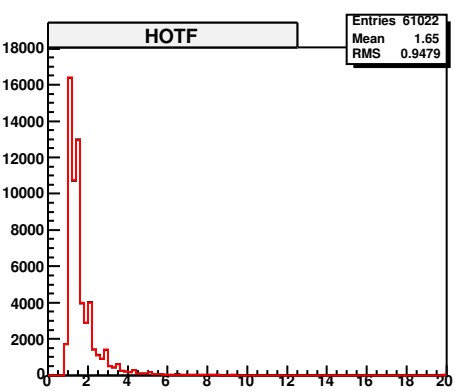


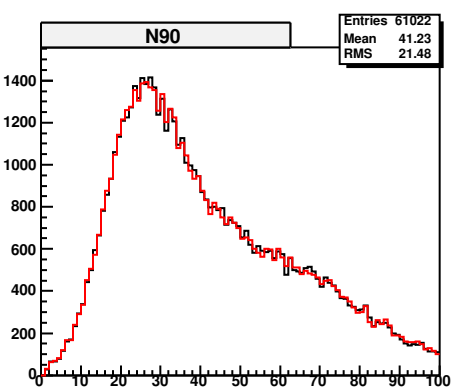


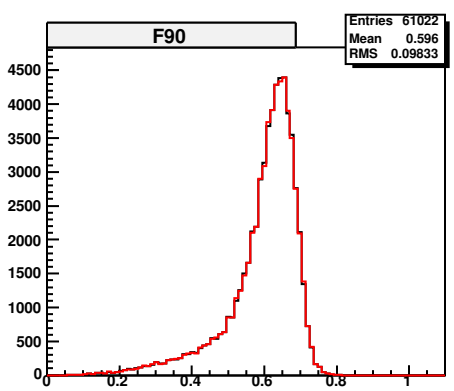


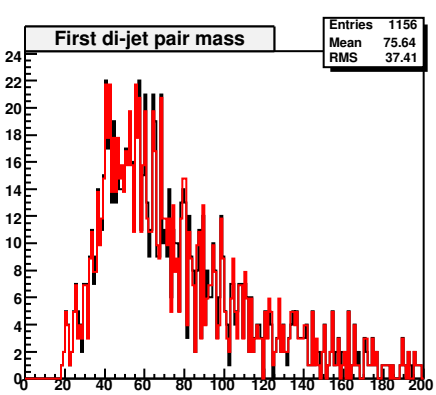


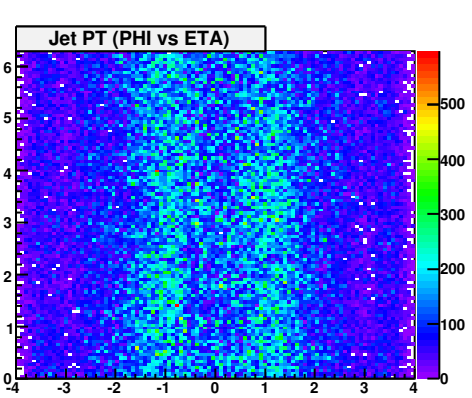




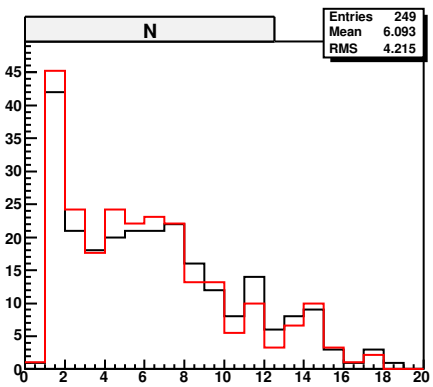


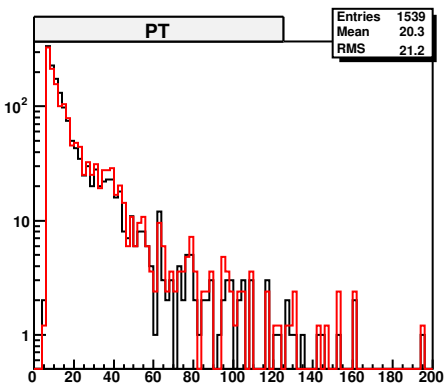


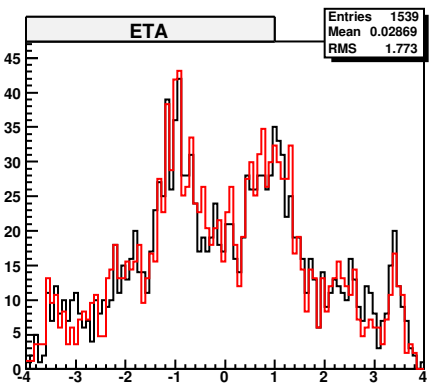


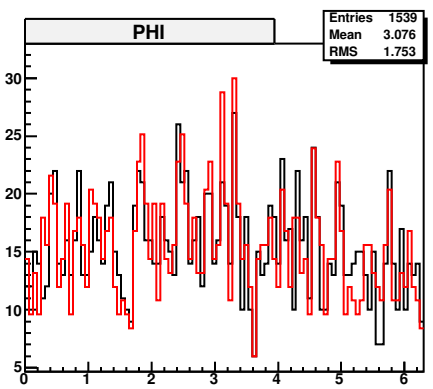


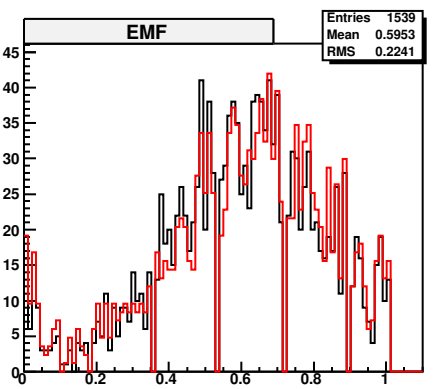
Jets (KT D 1 (standard cuts))

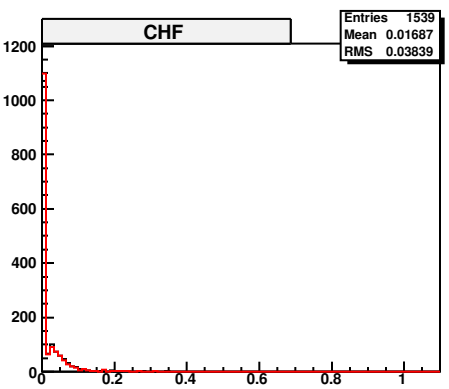


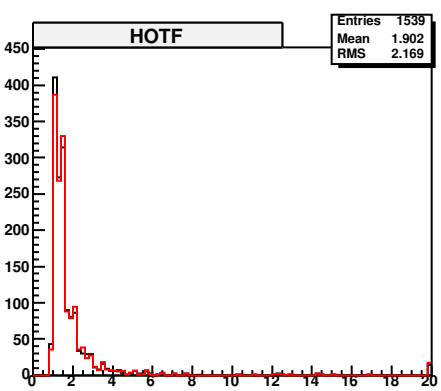


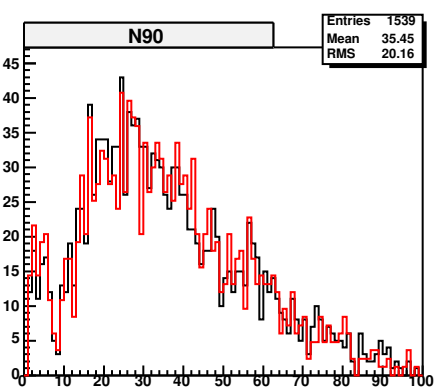


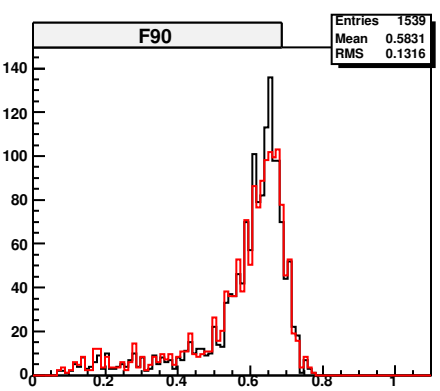


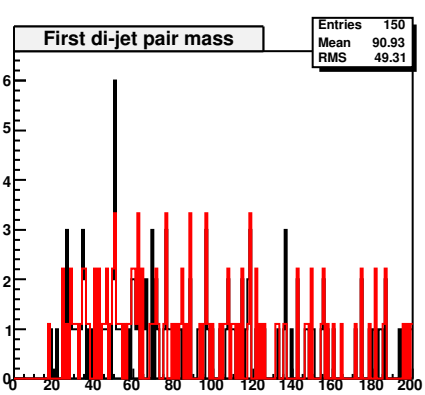


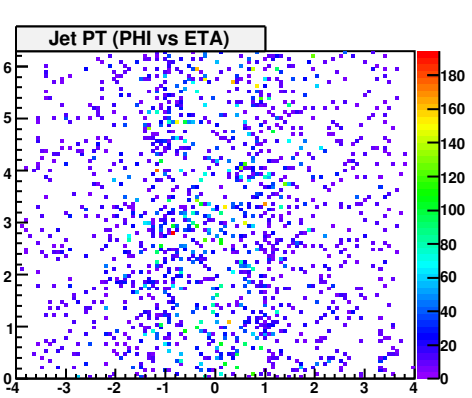




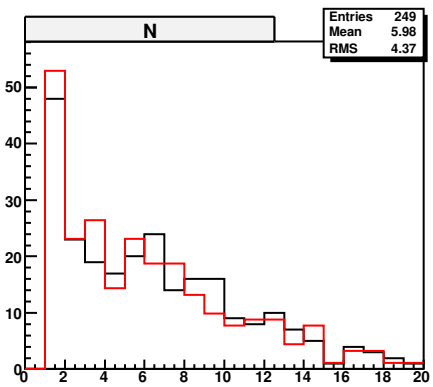


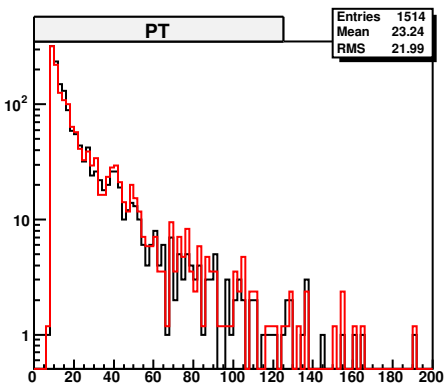


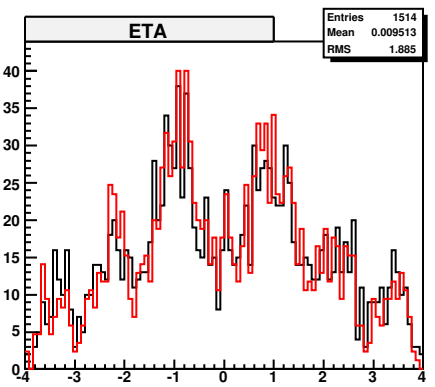


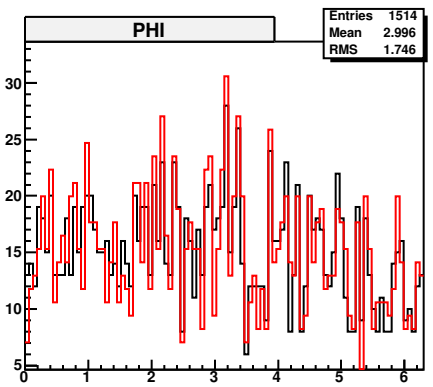


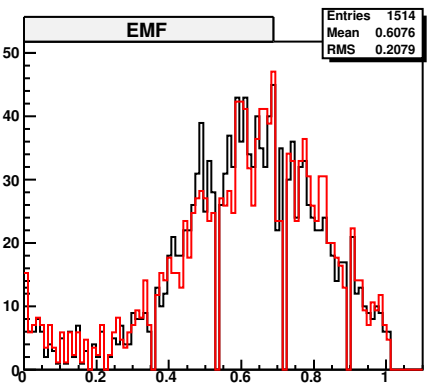
Jets (Cone R 0.7 (standard cuts, MET>30))

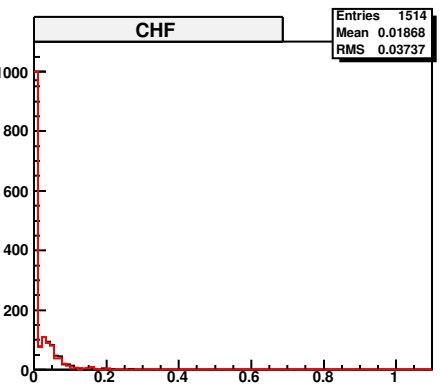


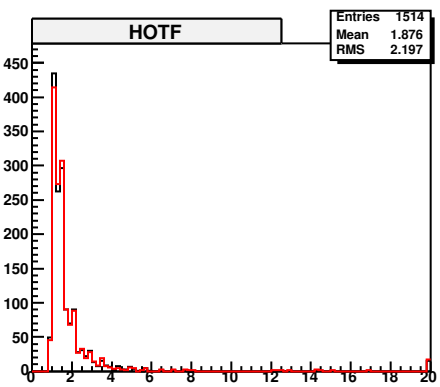


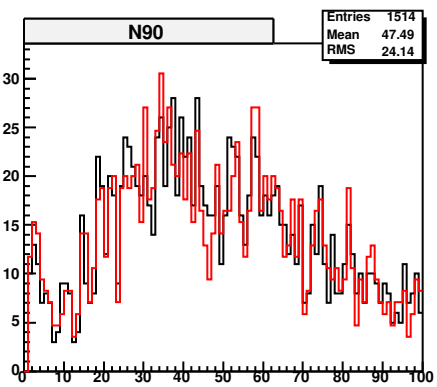


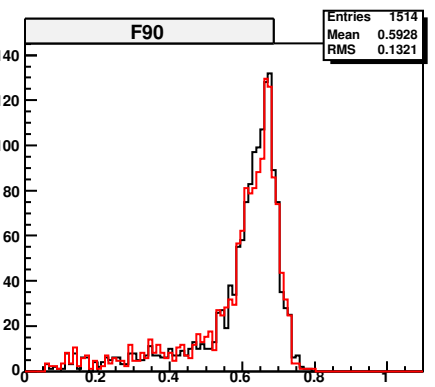


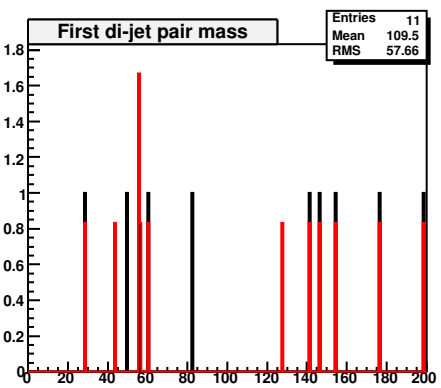


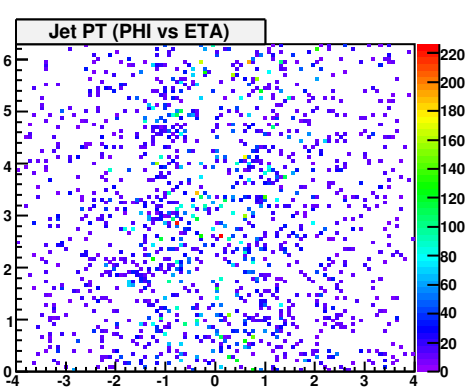




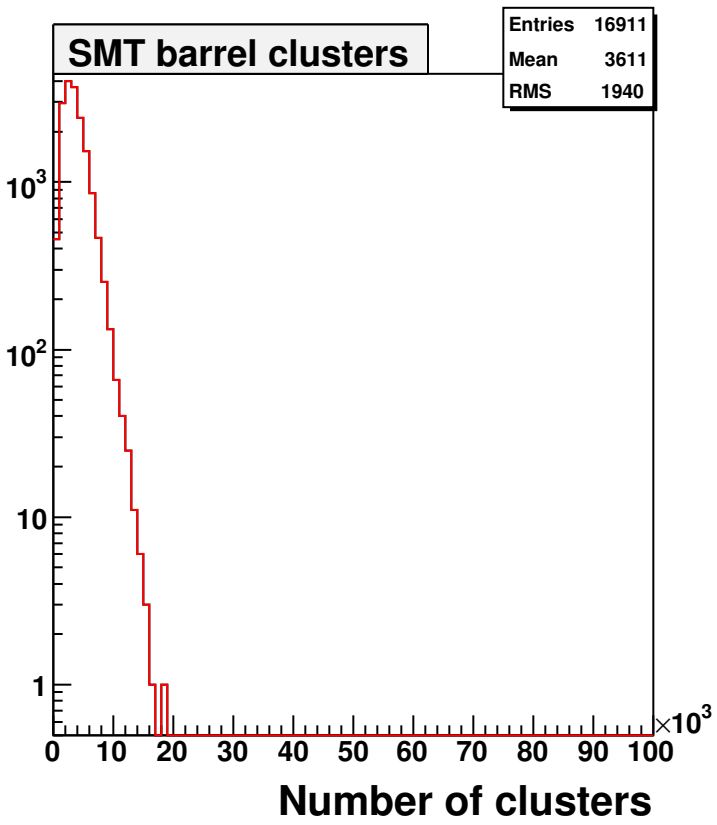


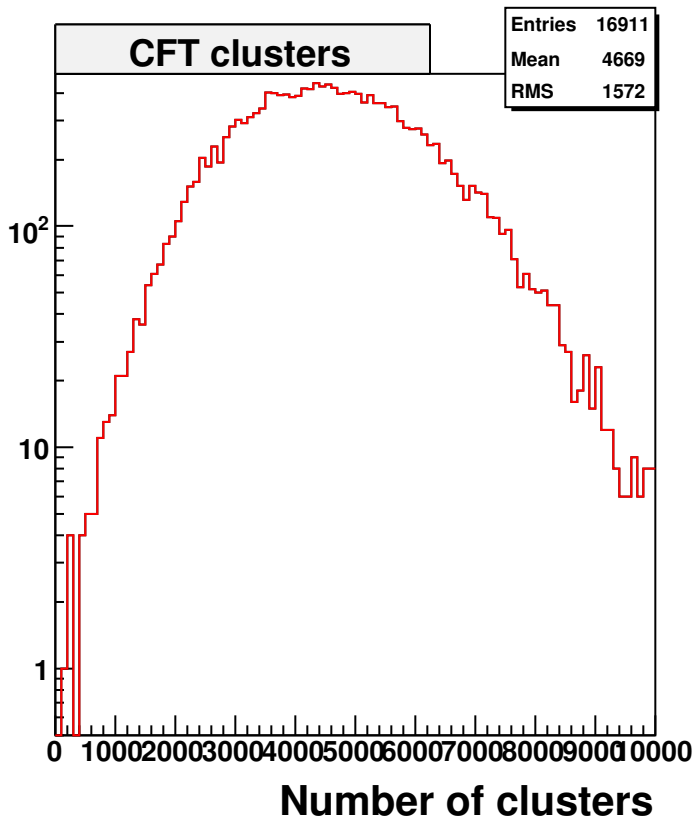


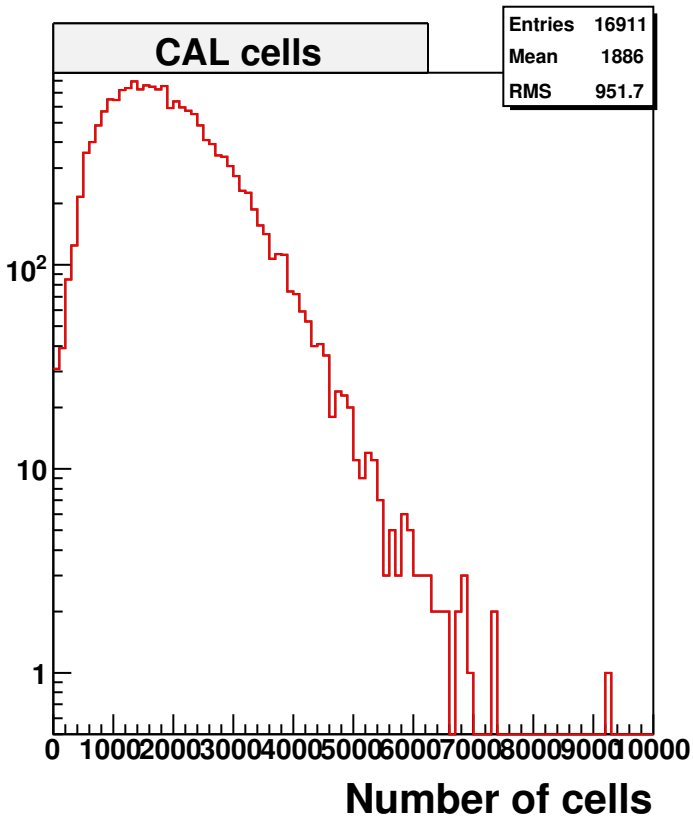


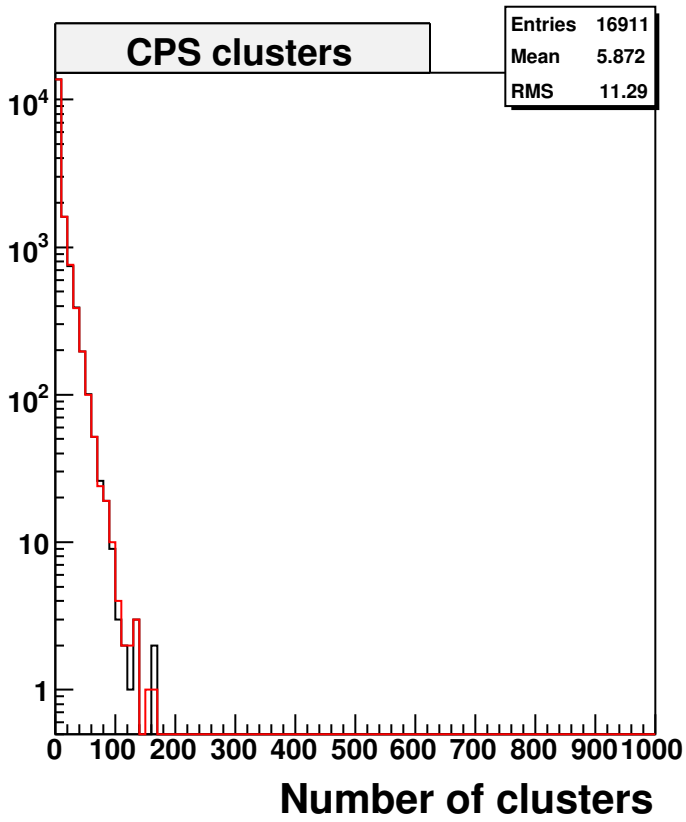


Jets (KT D 1 (standard cuts, MET>30))

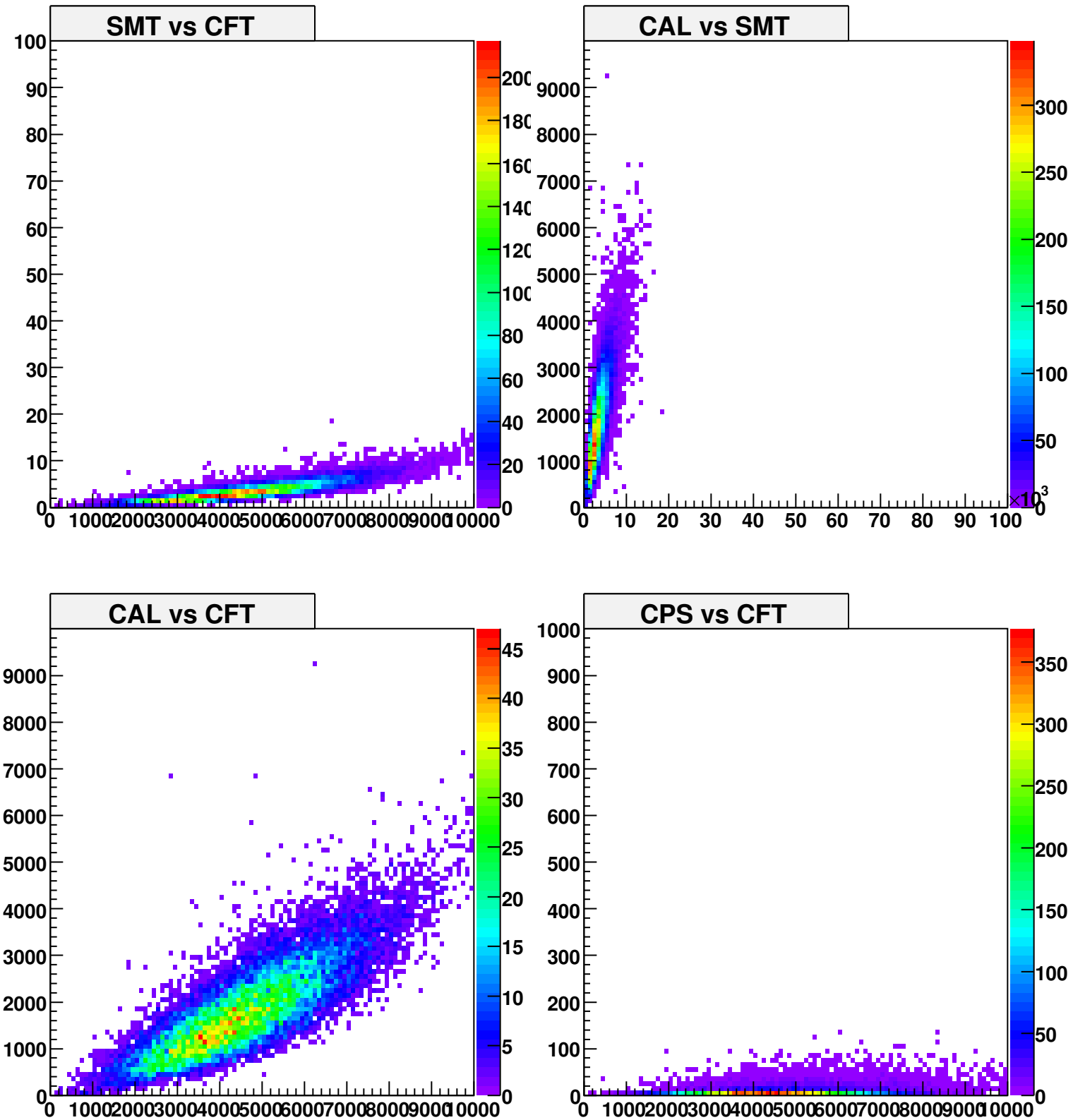


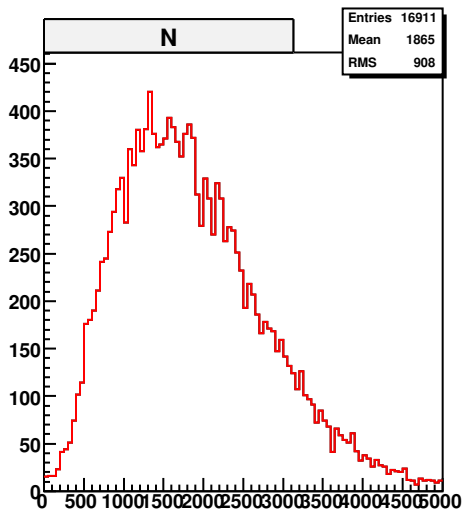


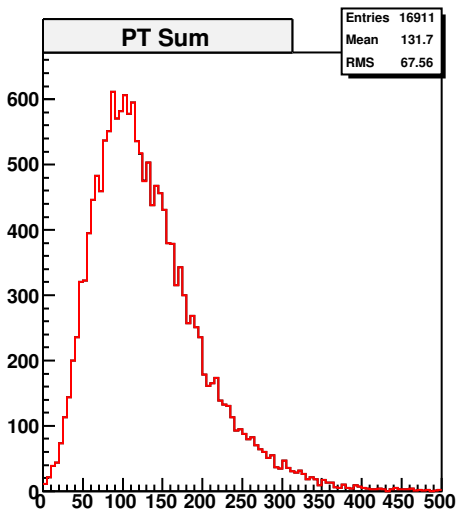


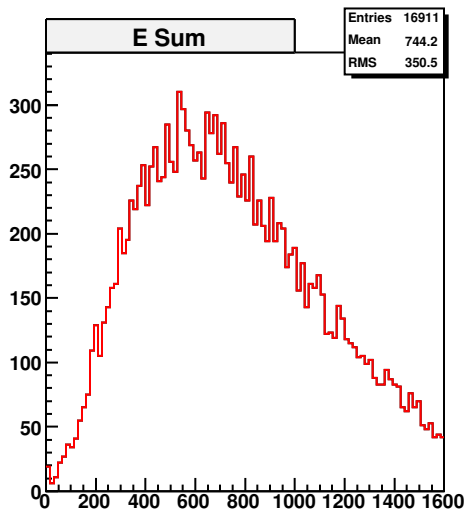


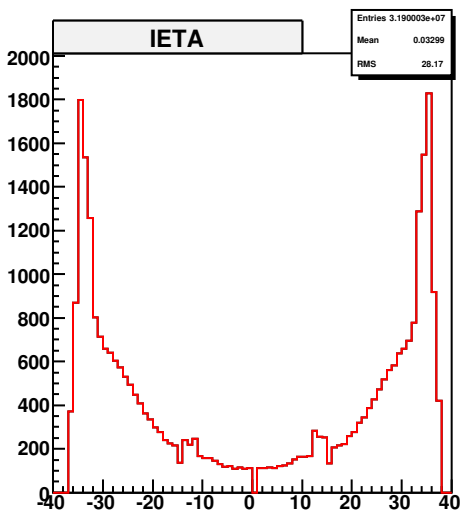
Detector Occupancy (Detector)

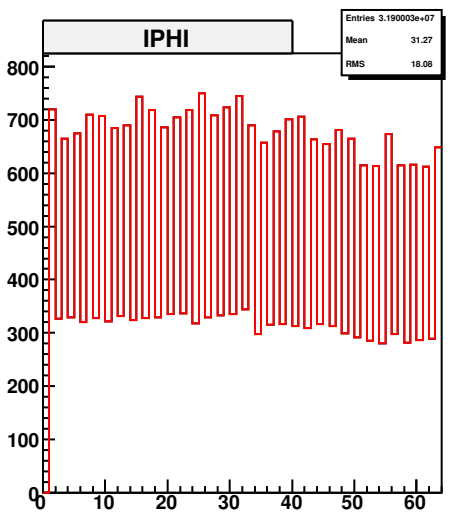

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

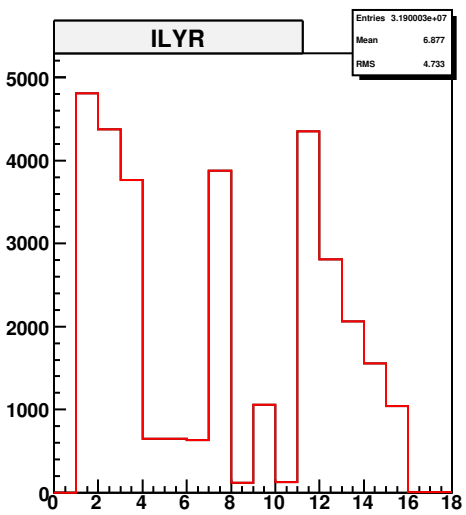


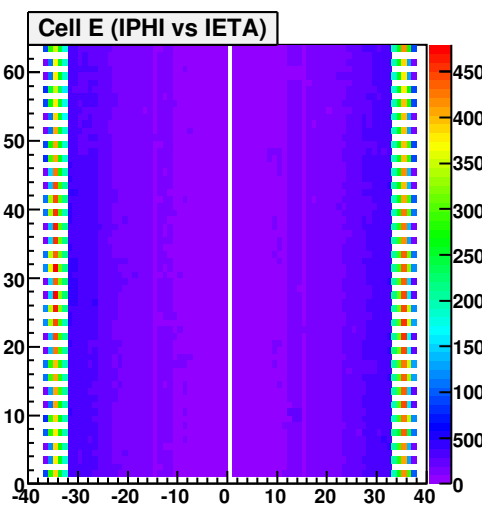


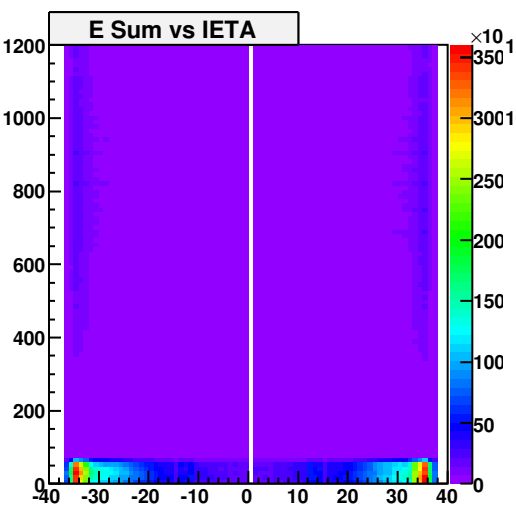


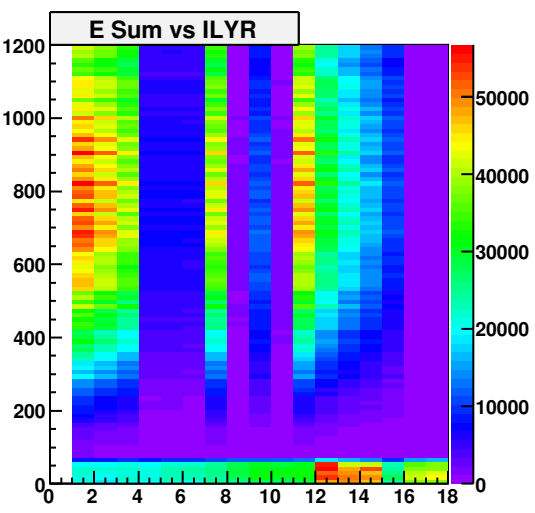




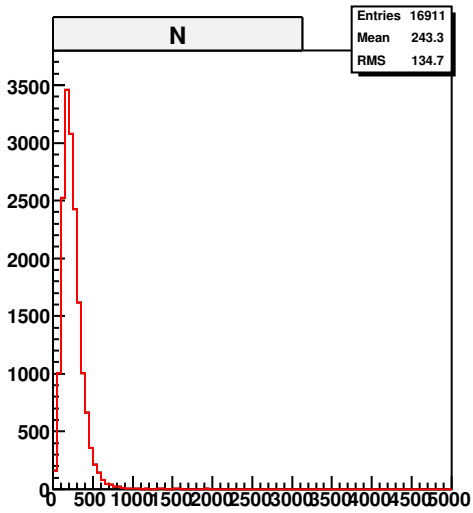


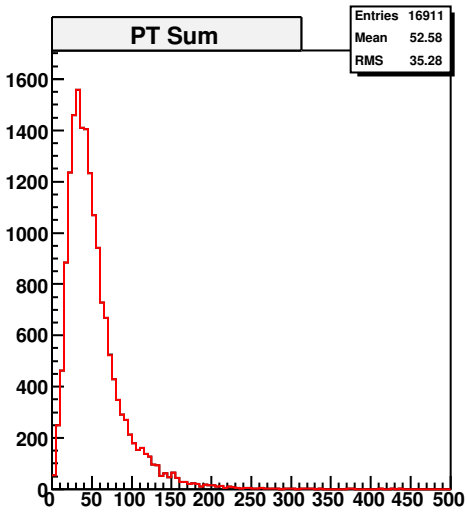


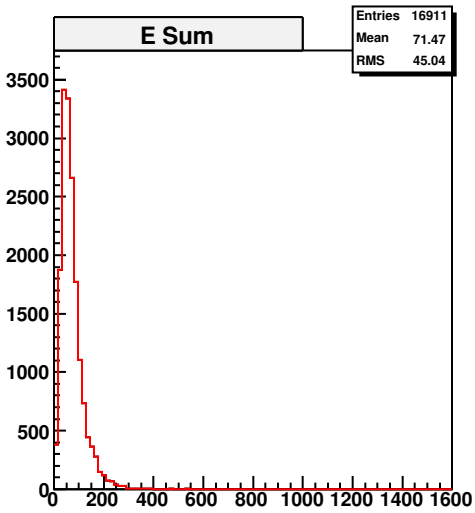


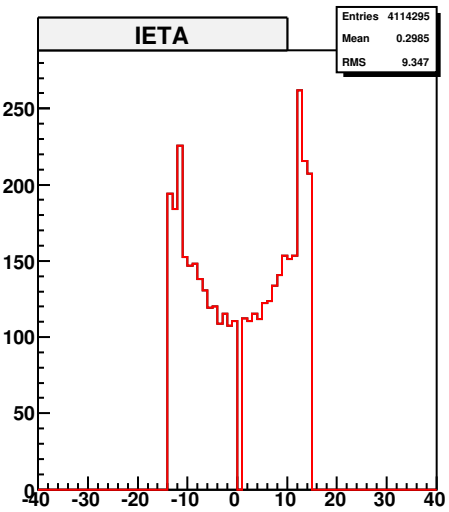


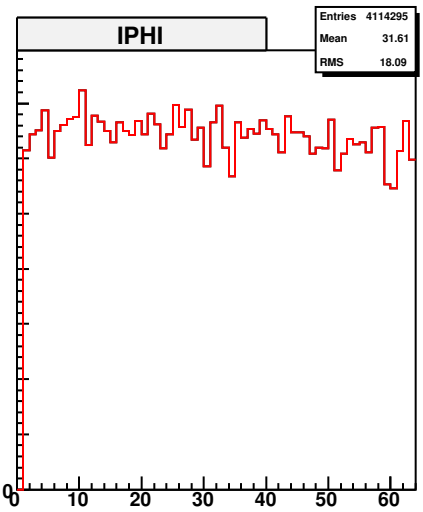
Calorimeter (All cells)

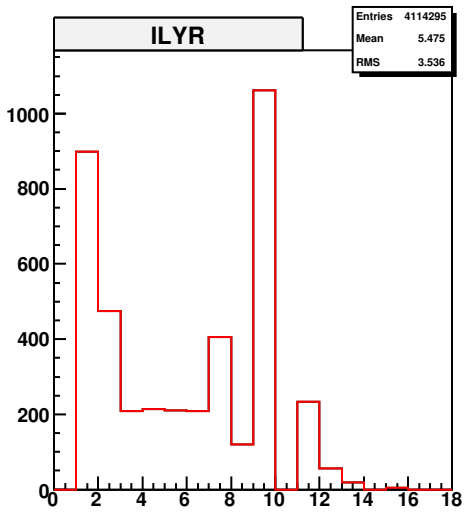


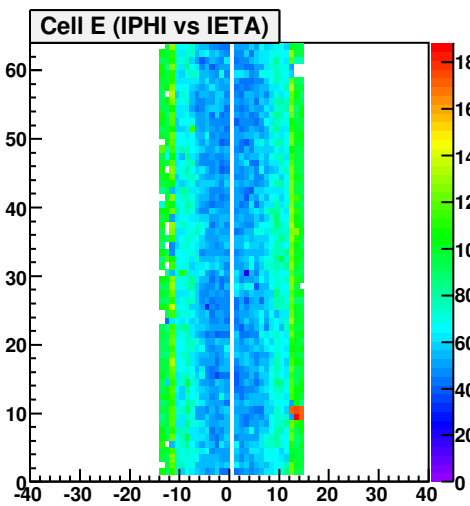


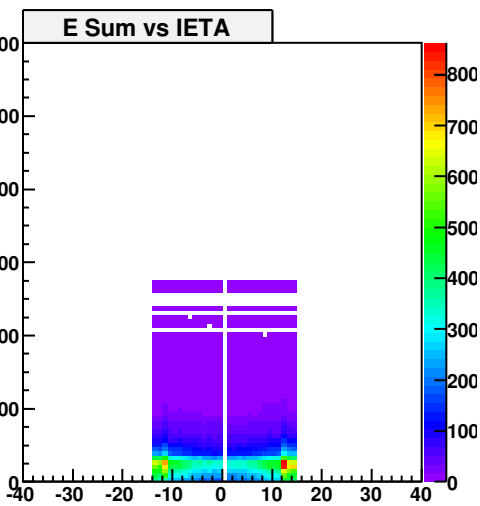


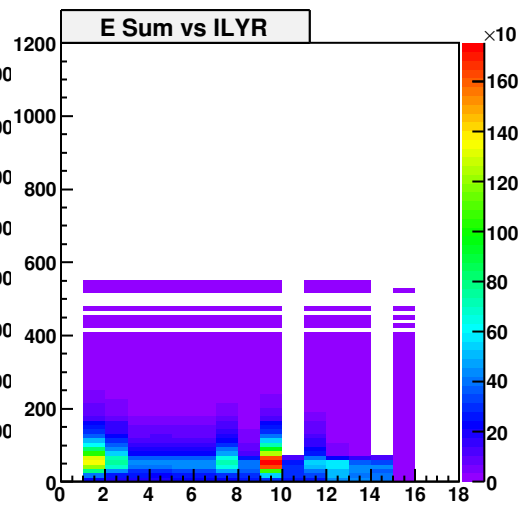




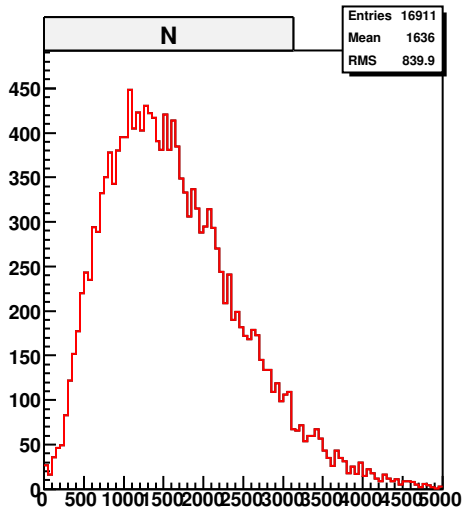


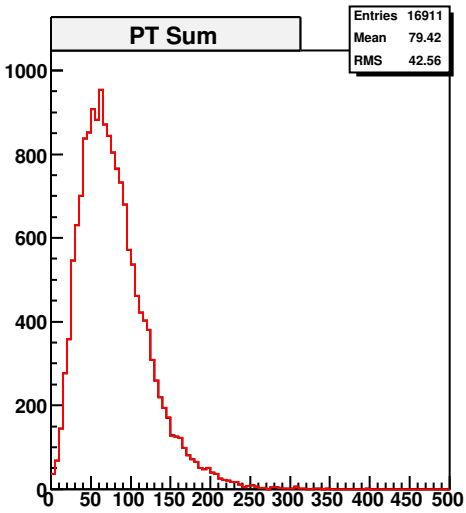


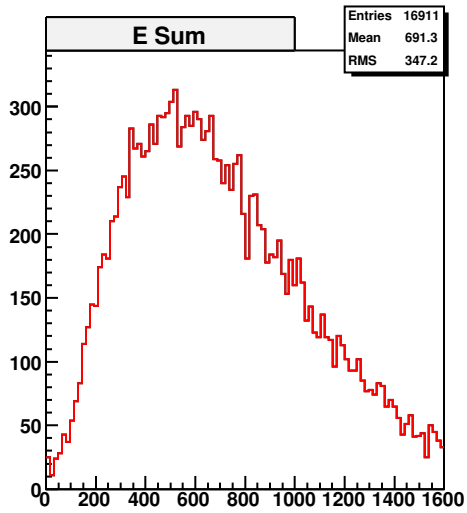


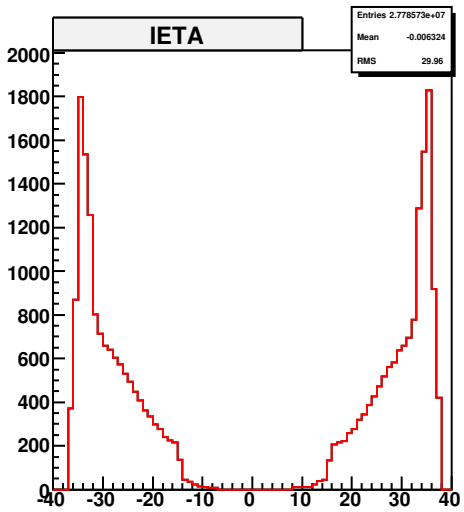


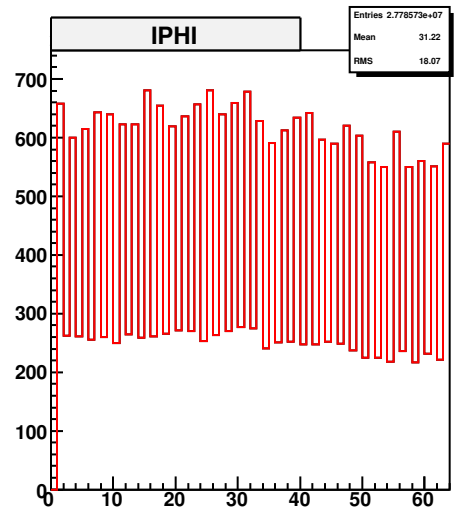
Calorimeter (All CC cells)

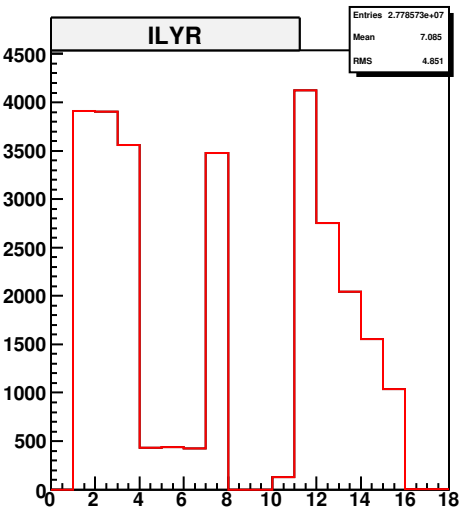


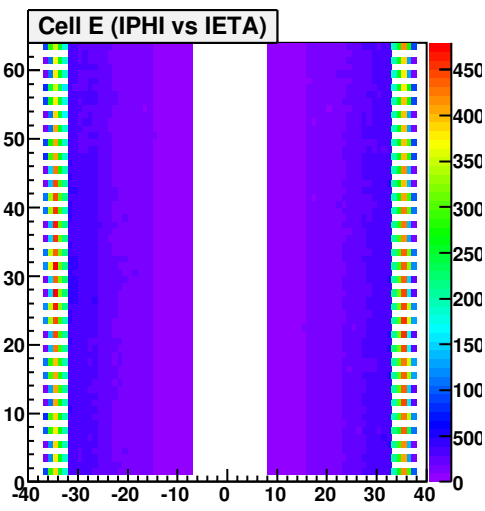


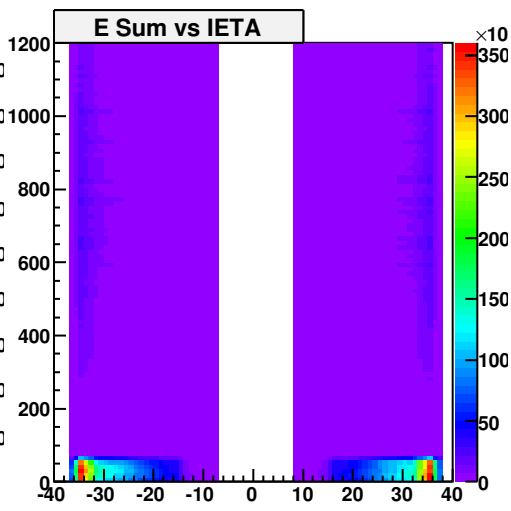


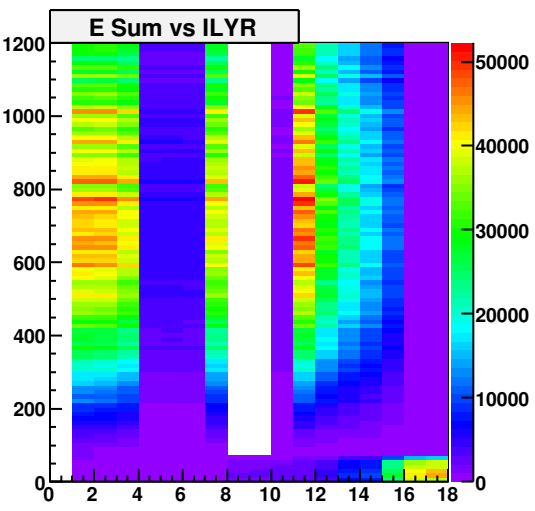




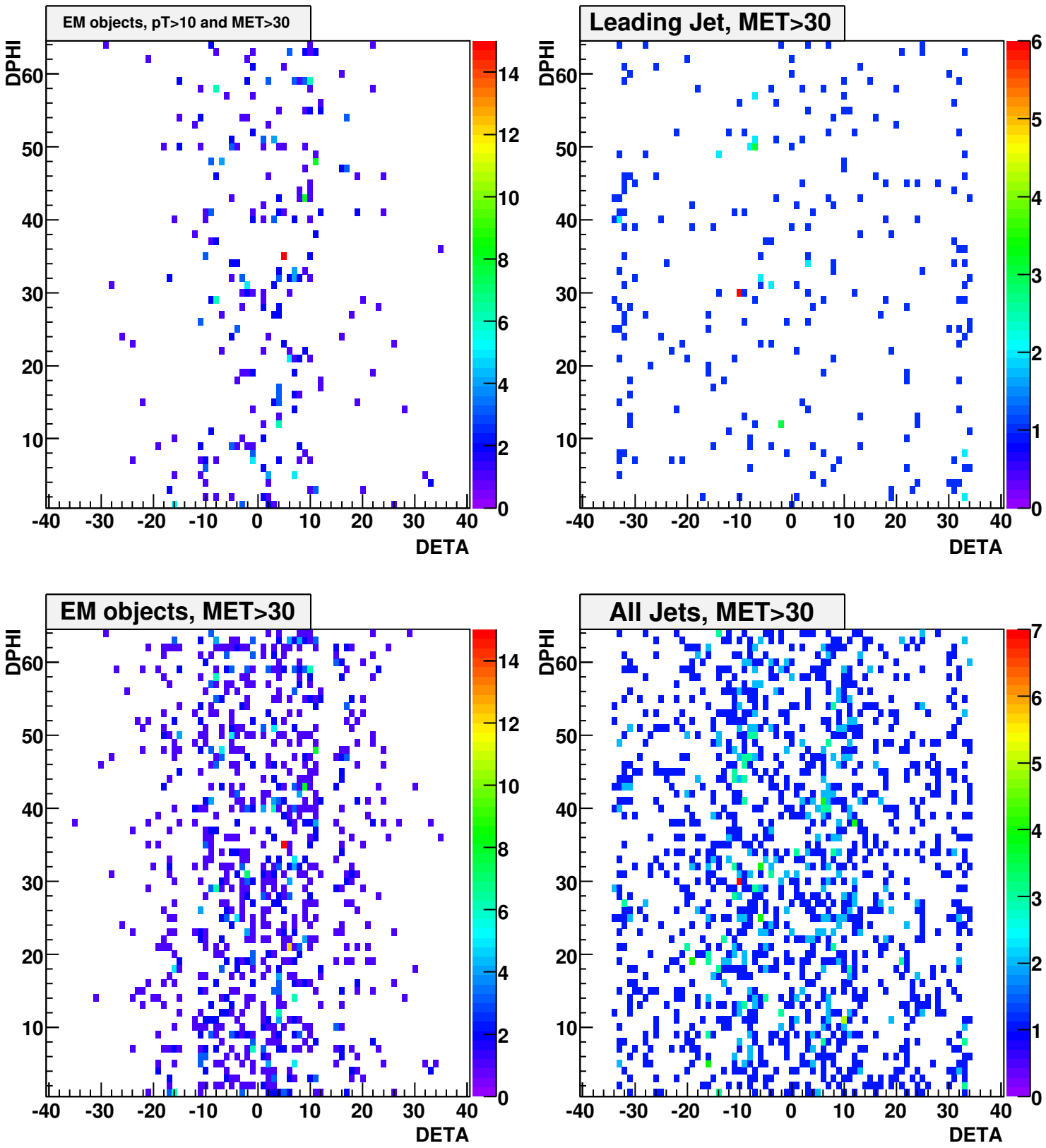




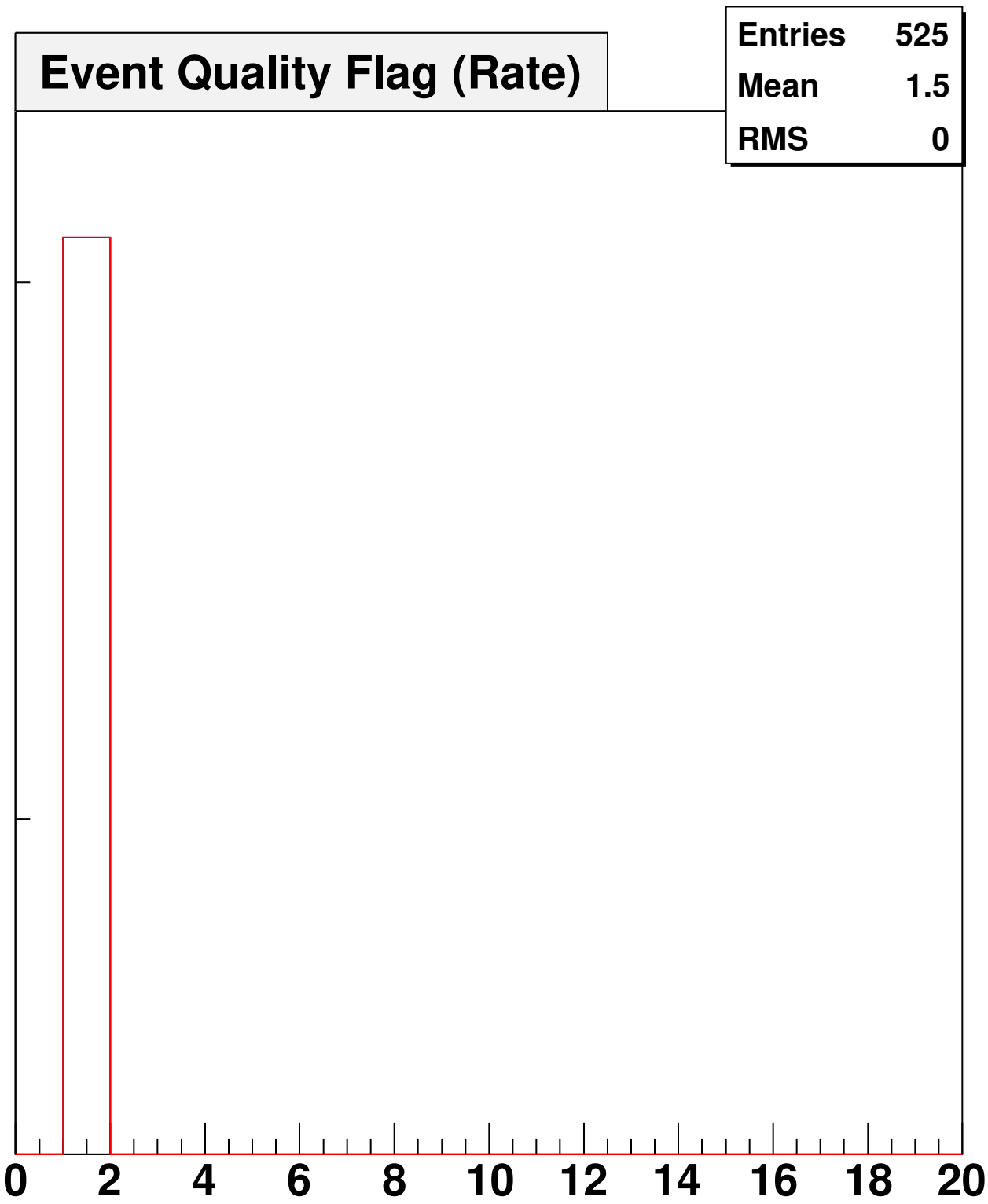


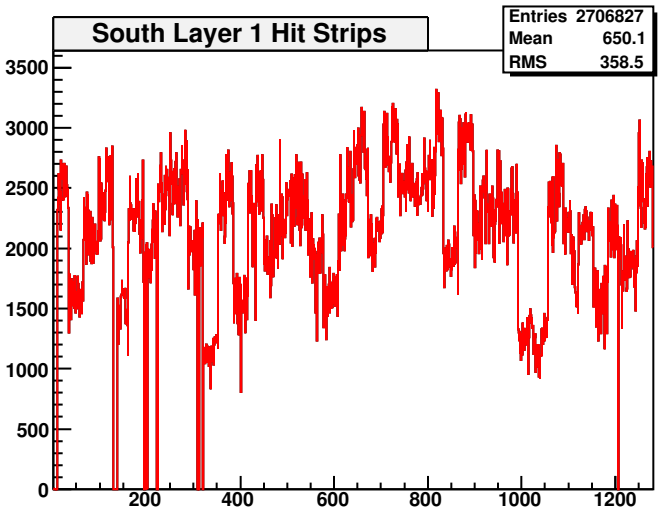


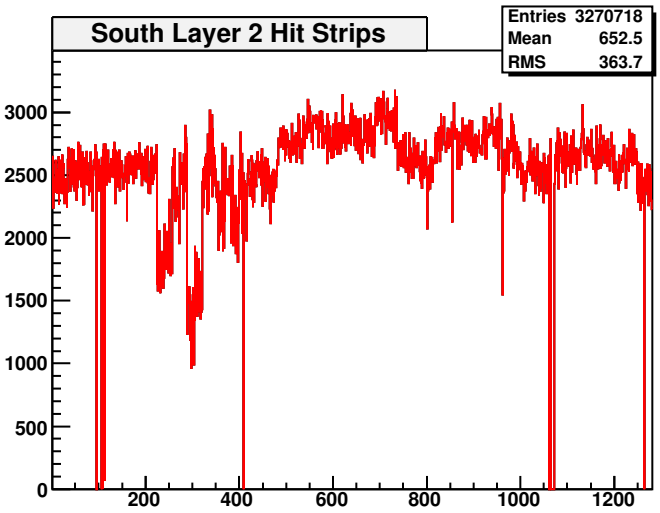
Calorimeter (All EC cells)

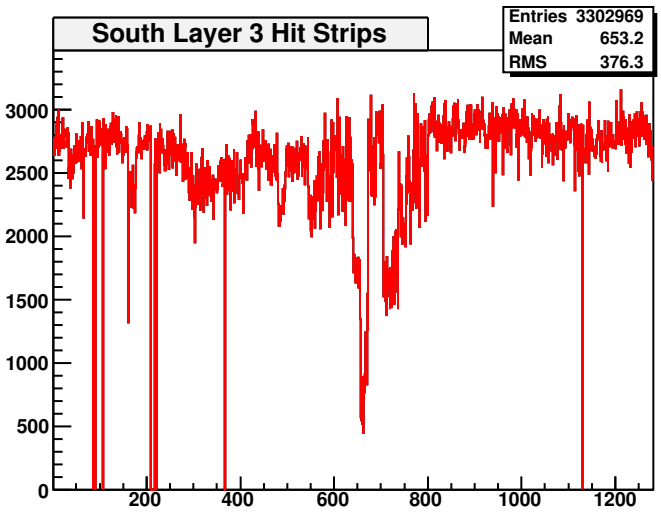


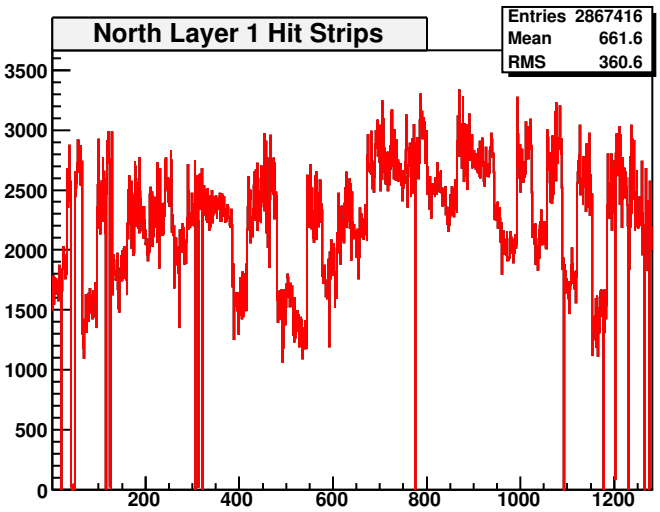
Cal Objects with MET>30 (All cells)

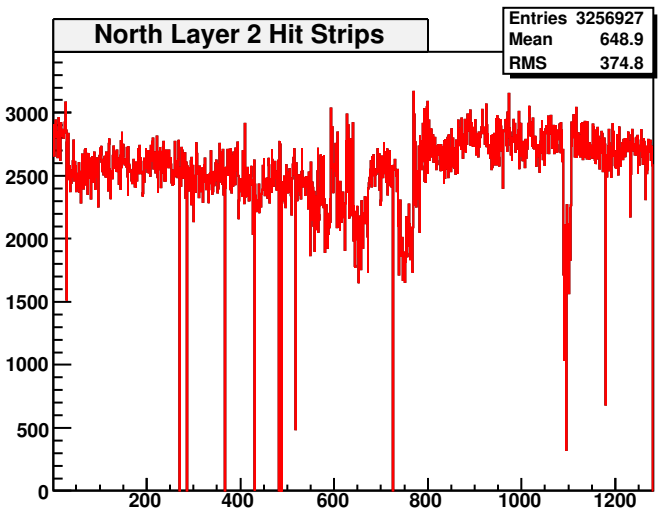

Event Quality Flag (Rate)
Entries 525
Mean 1.5
RMS 0
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

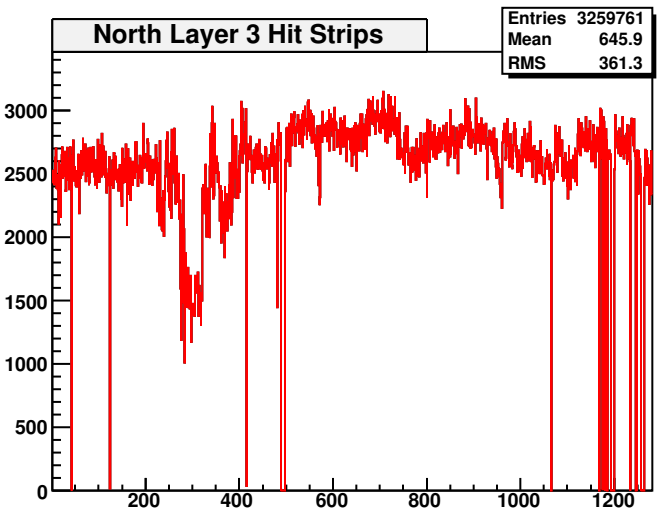




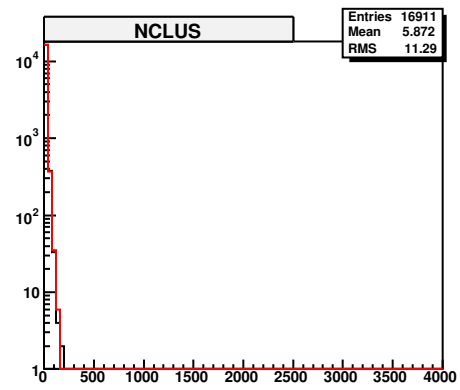


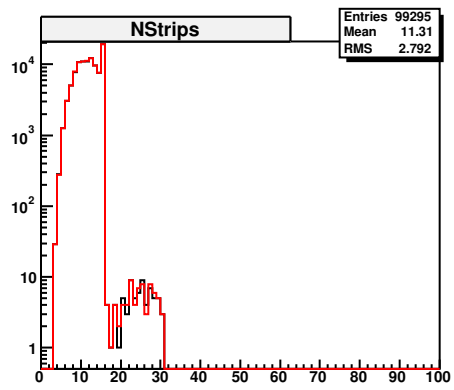


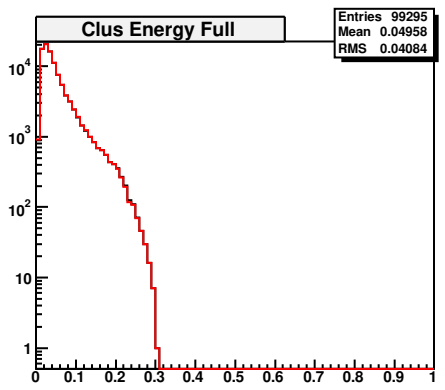


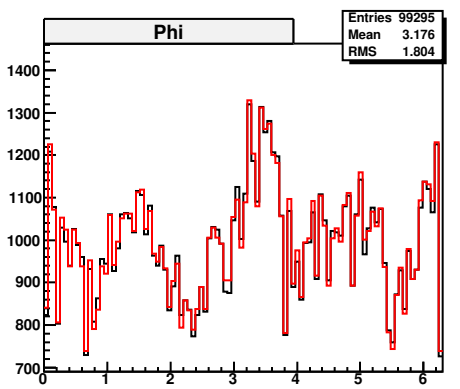


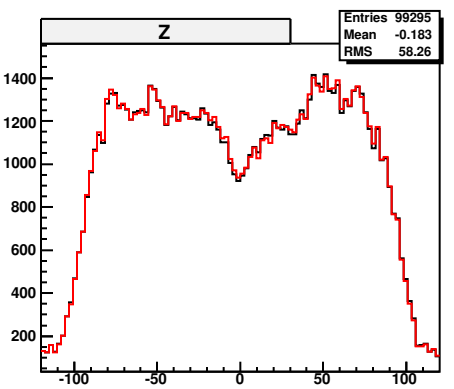
CPS Hit Strips (All Clusters)

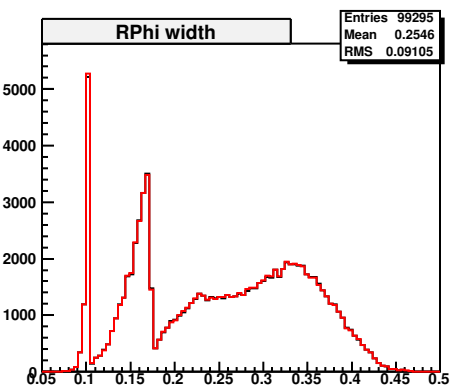


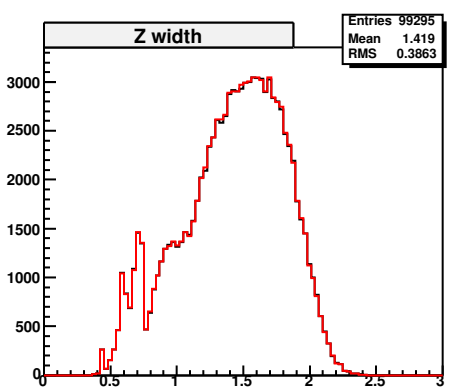


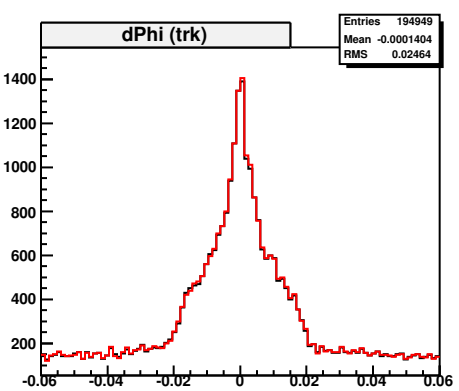


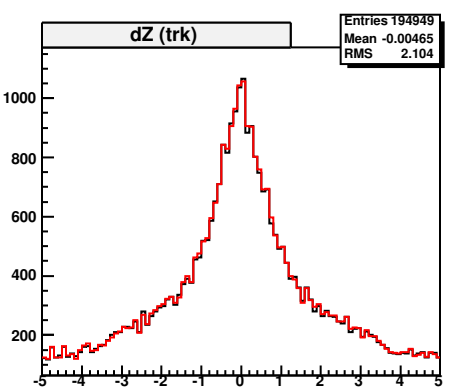


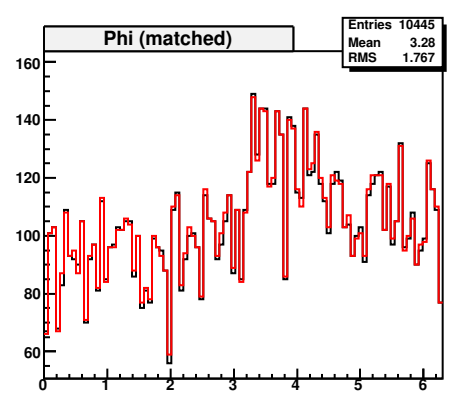


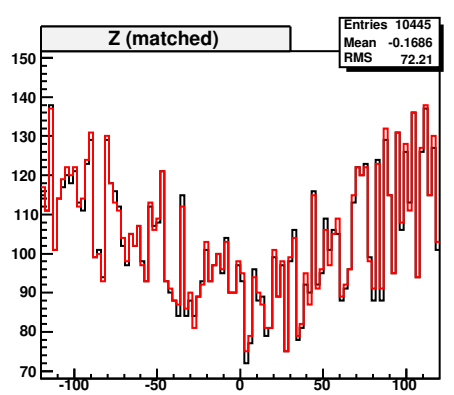




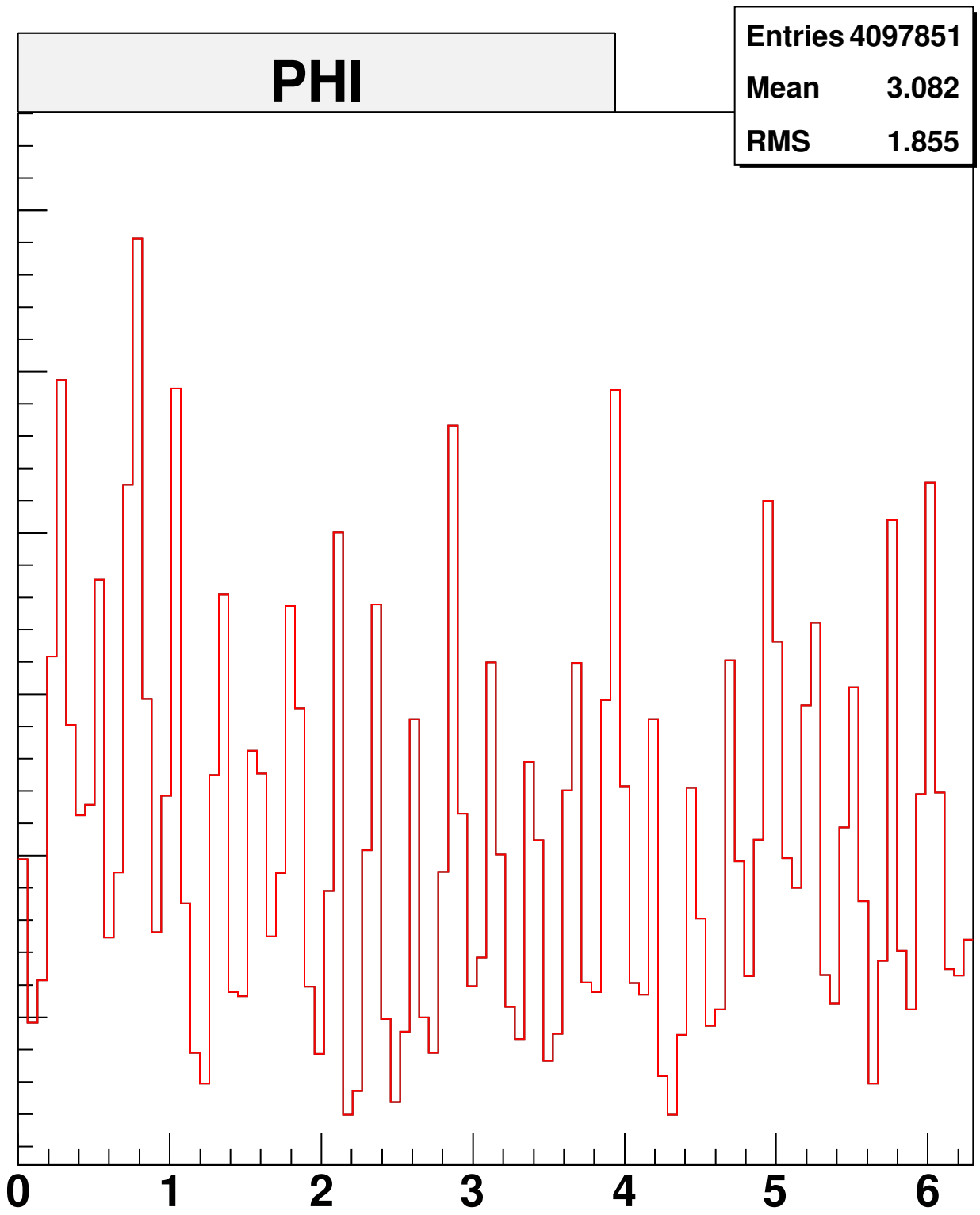




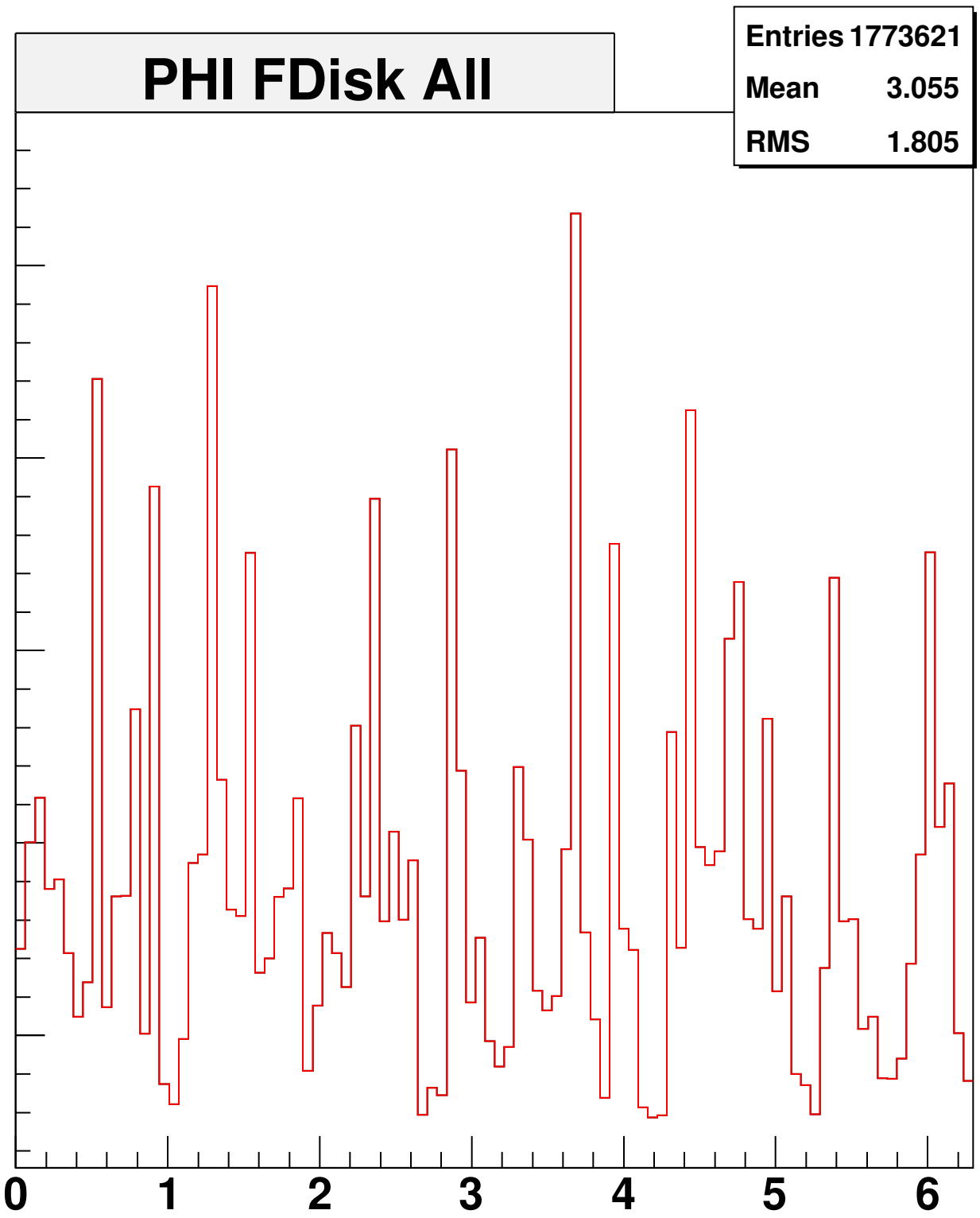


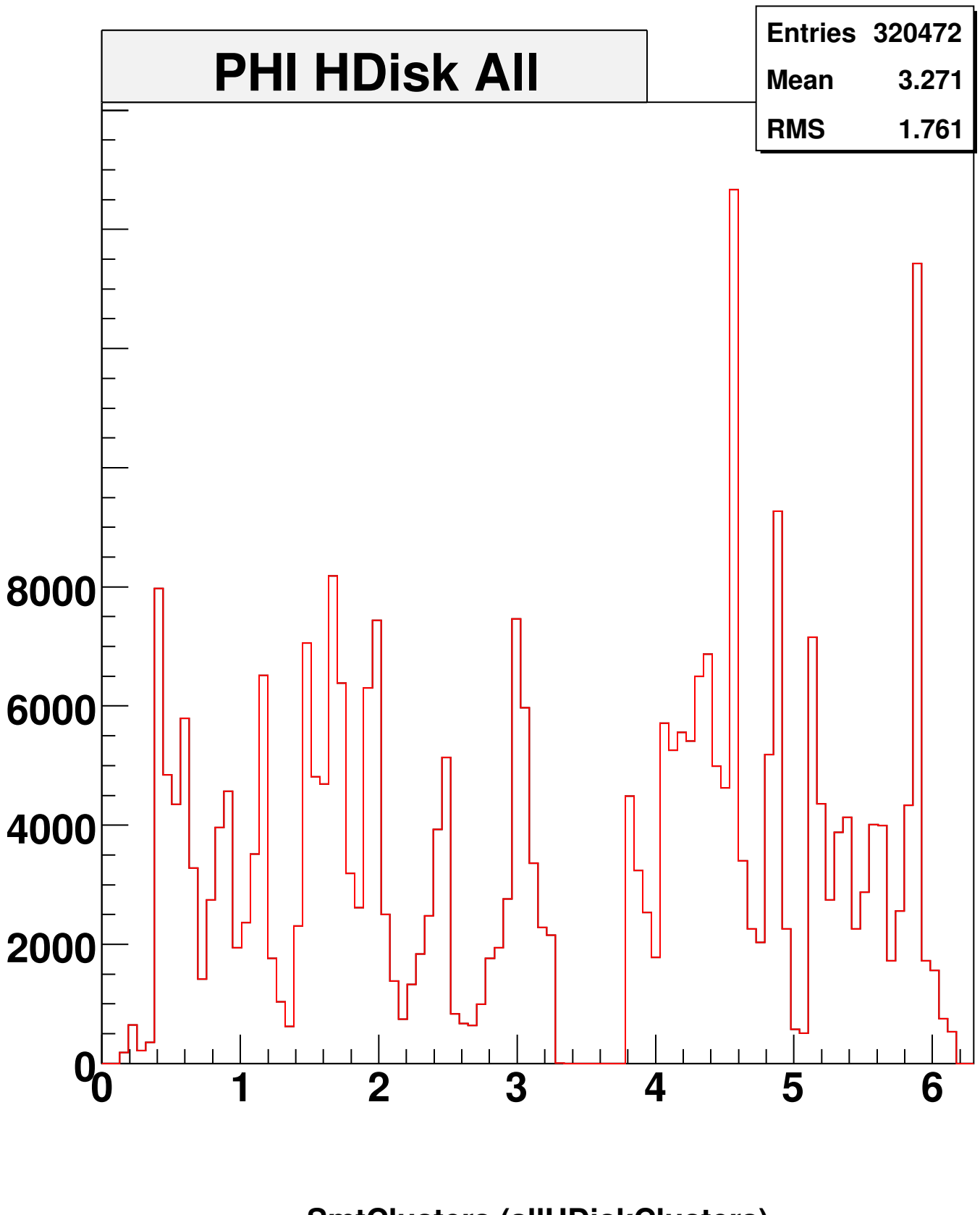


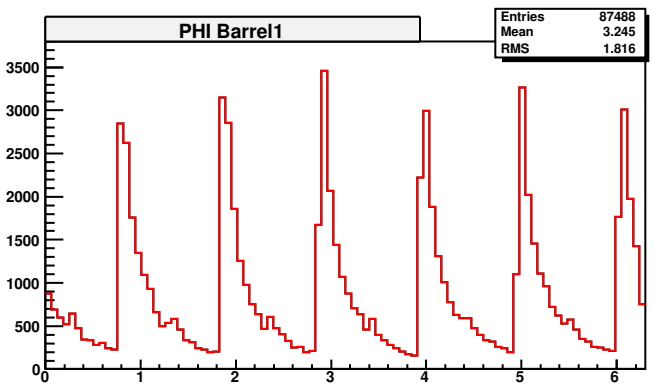
CPS Clusters (All Clusters)

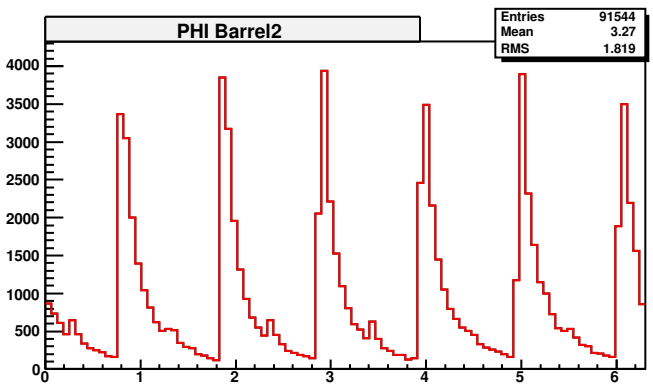


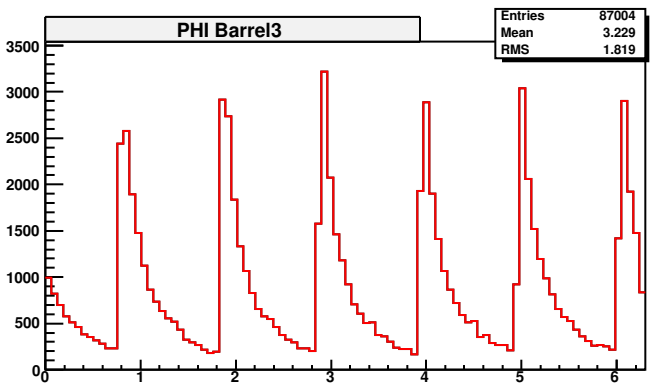
SmtClusters (allBarClusters)

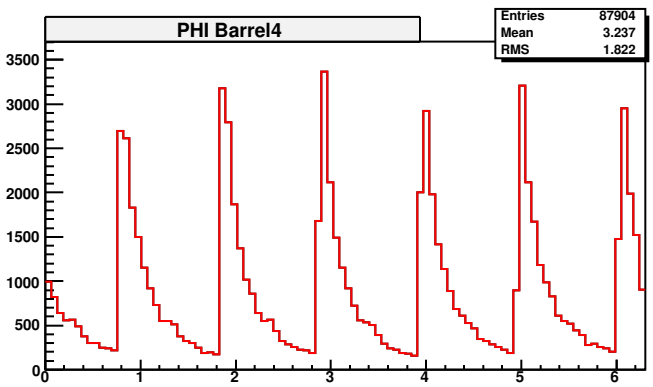

PHI FDisk All
Entries 1773621
Mean 3.055
RMS 1.805
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

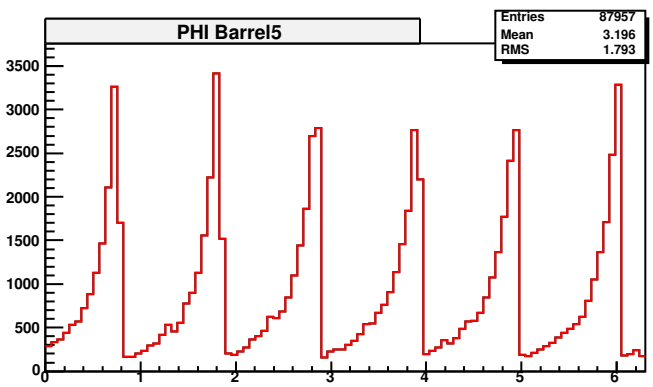

PHI HDisk All
Entries 320472
Mean 3.271
RMS 1.761
8000
6000
4000
2000
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

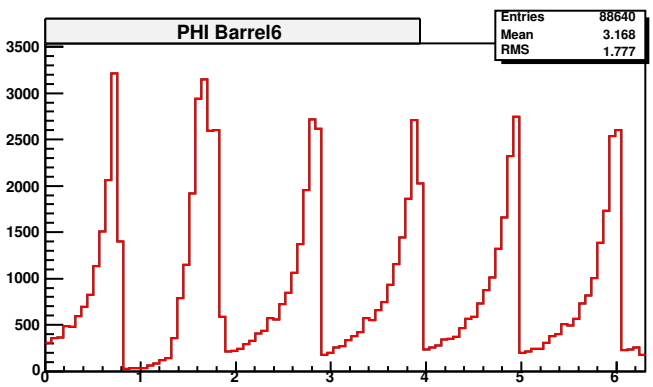


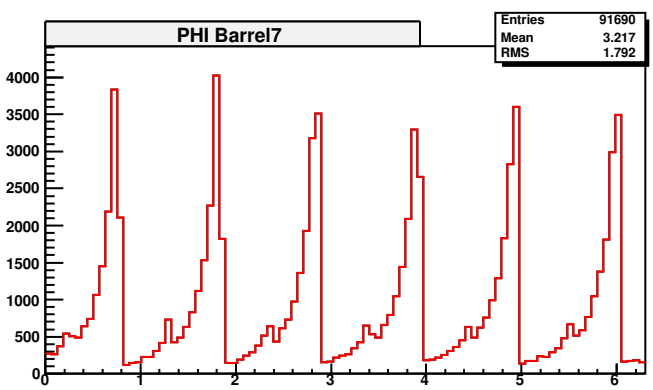


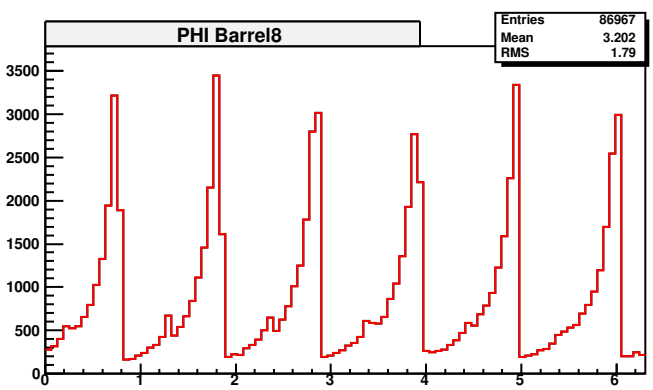




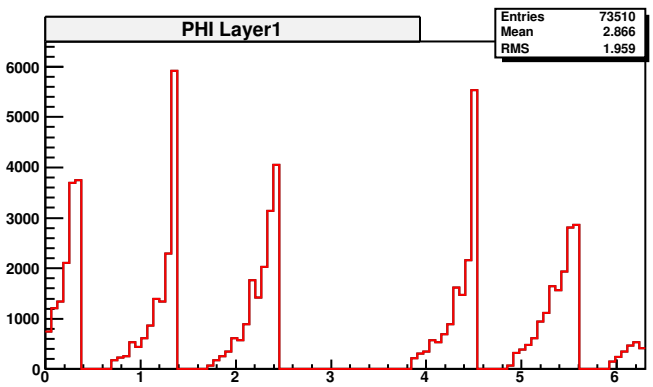


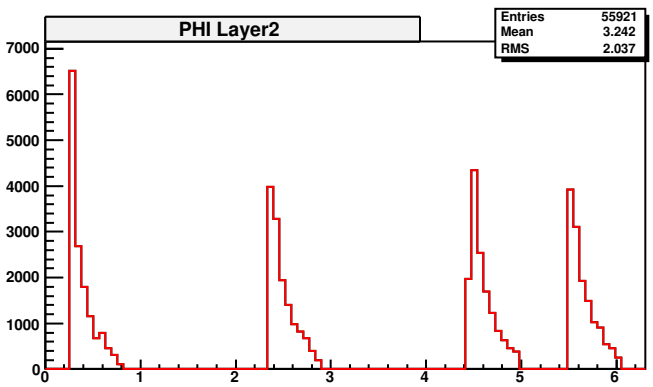


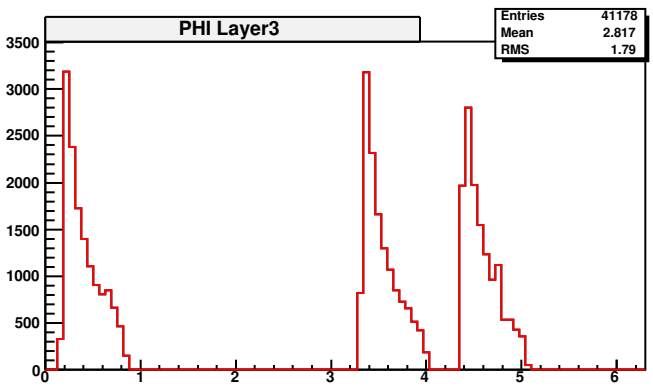


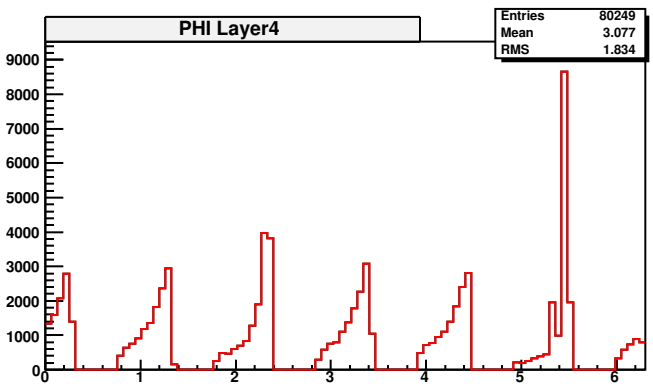


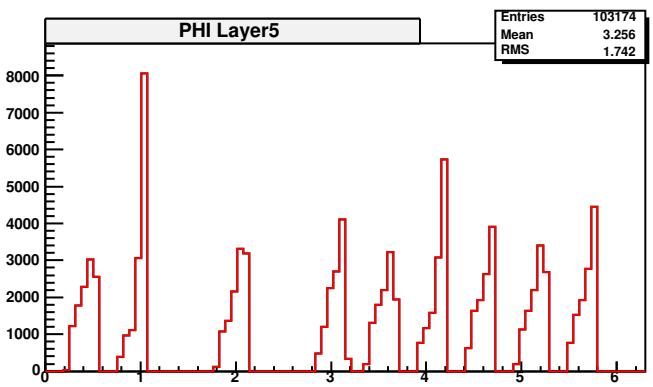
SmtClusters (ClustrLayer0)

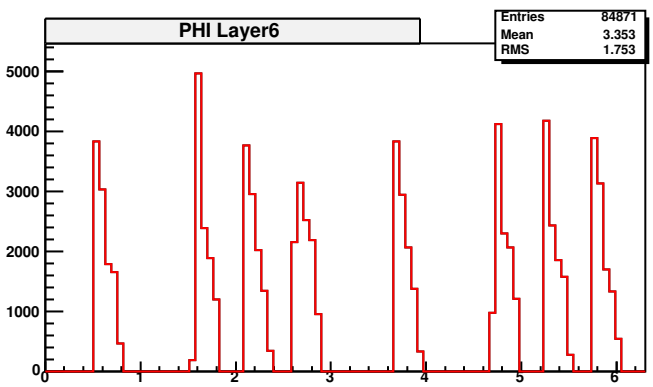


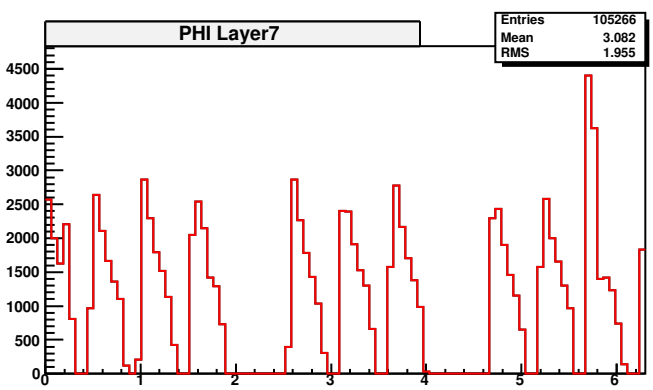


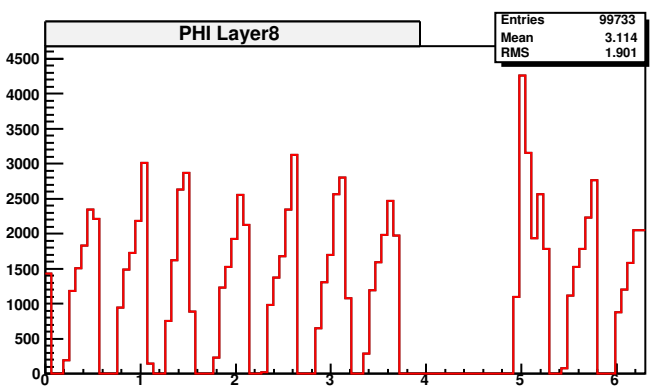




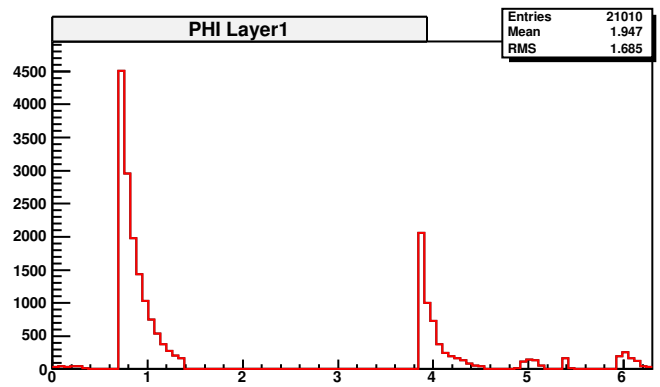


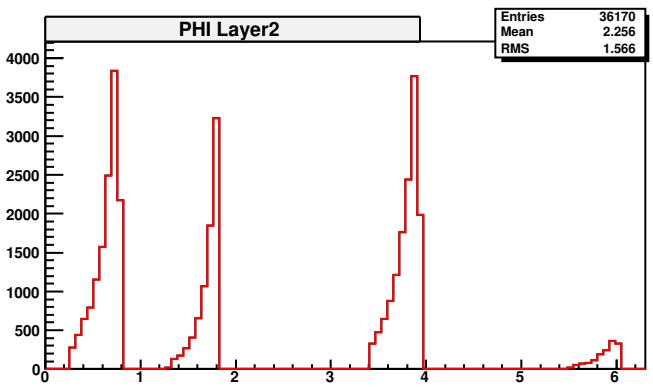


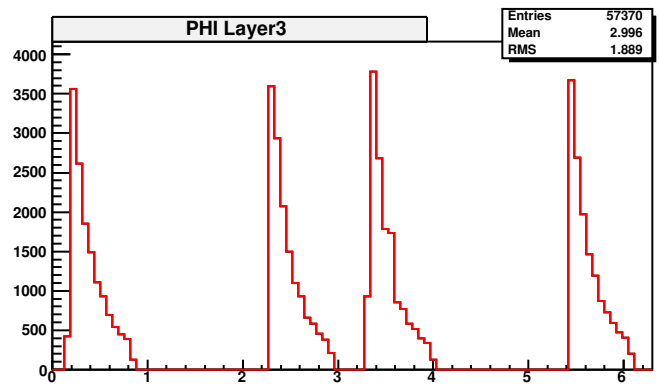


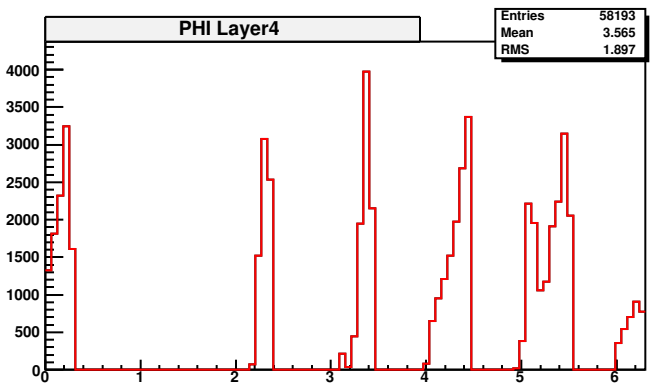


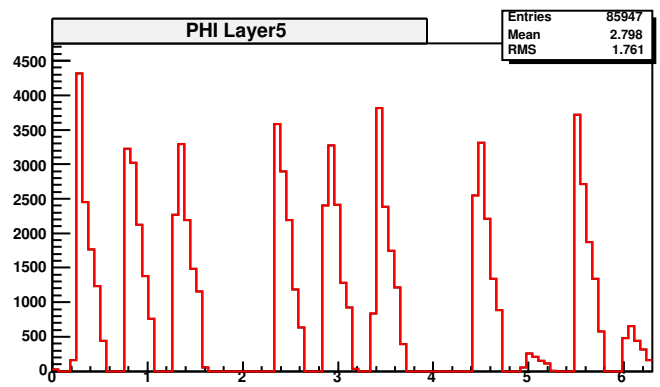
SmtClusters (ClustrBar1)

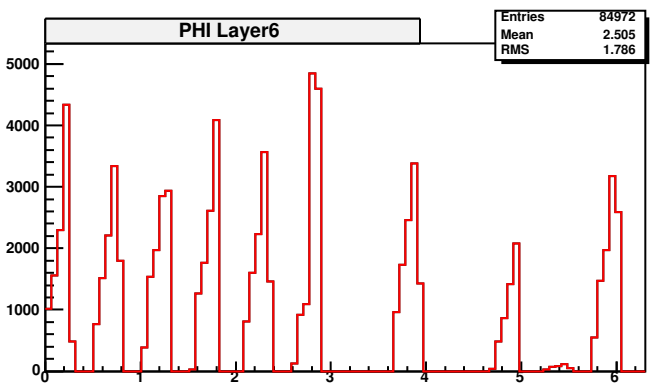


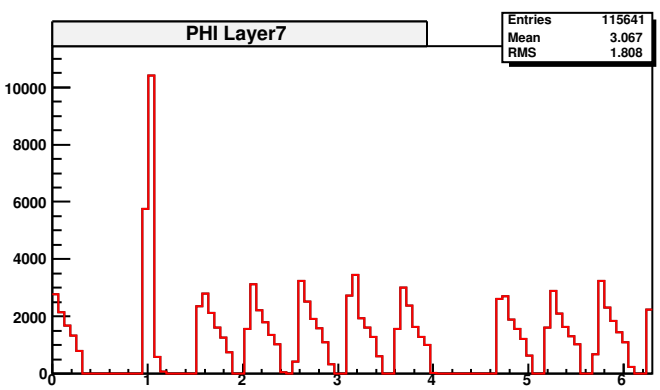


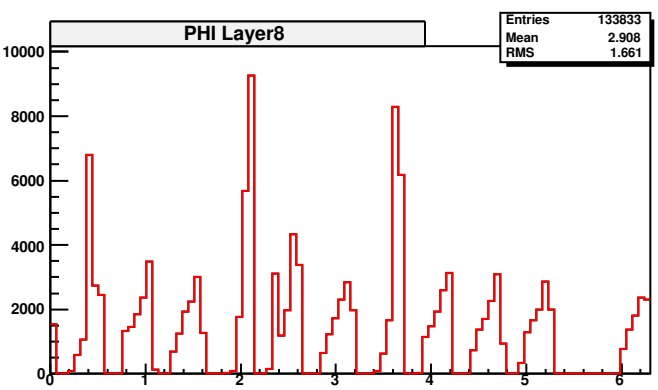




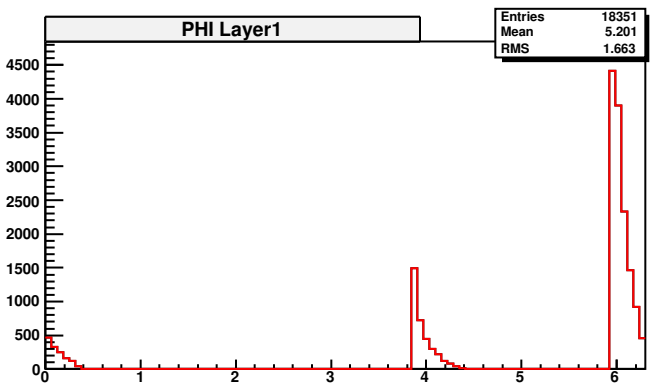


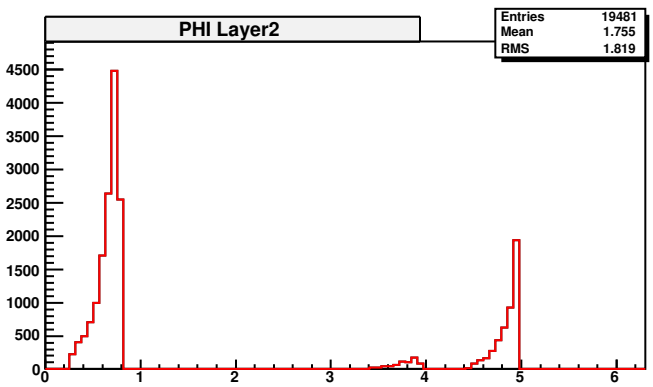


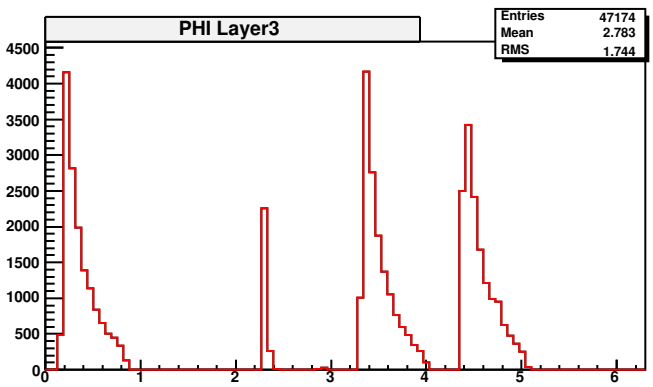


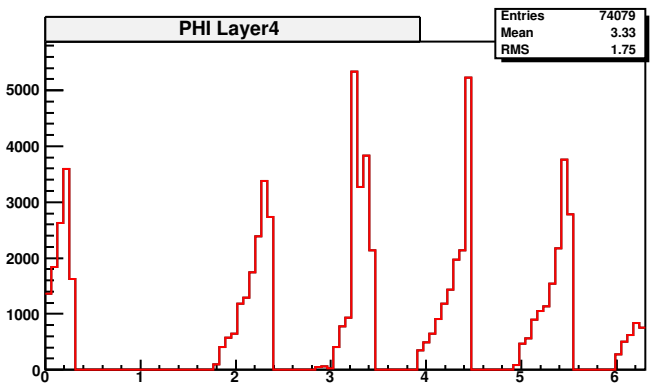


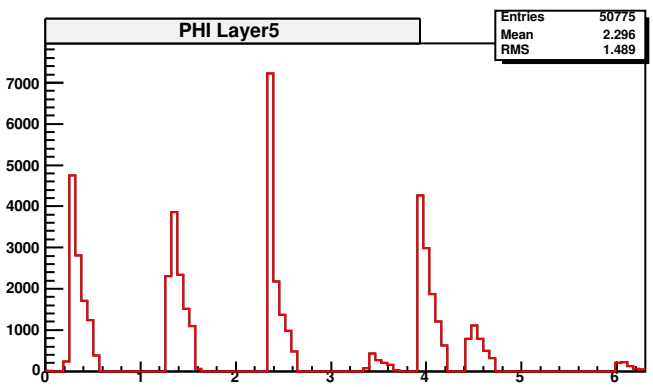
SmtClusters (ClustrBar2)

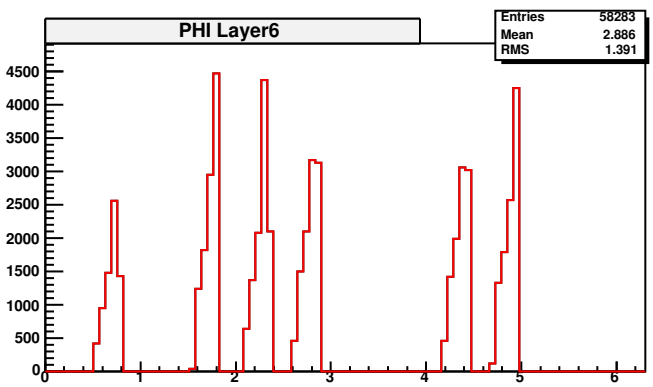


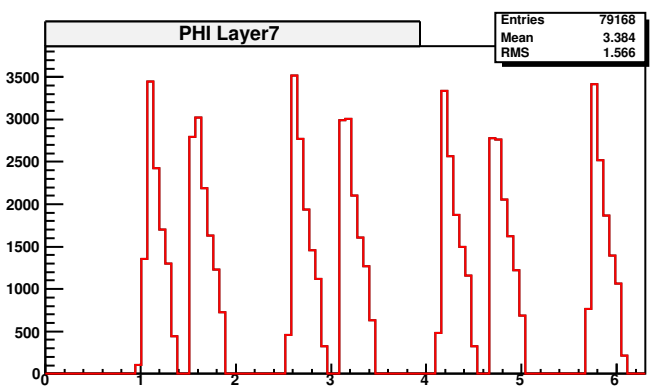


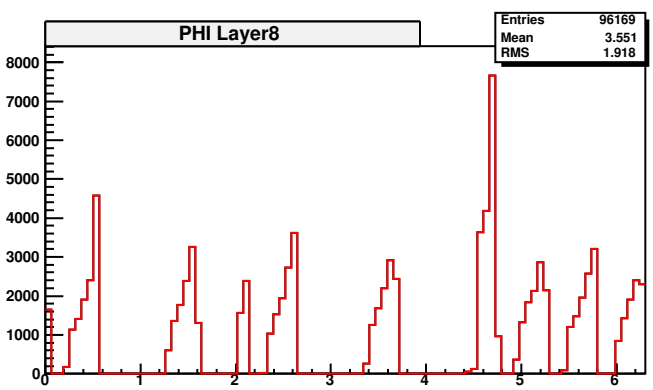




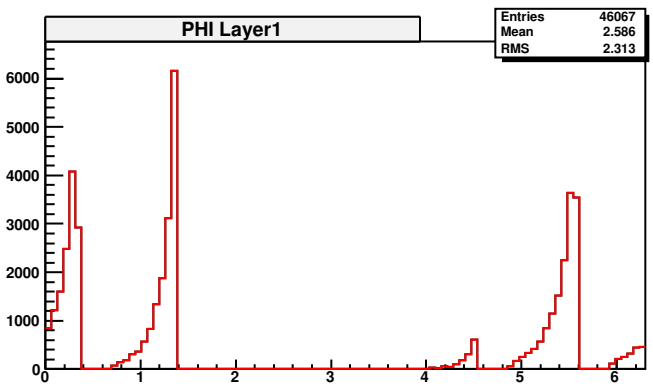


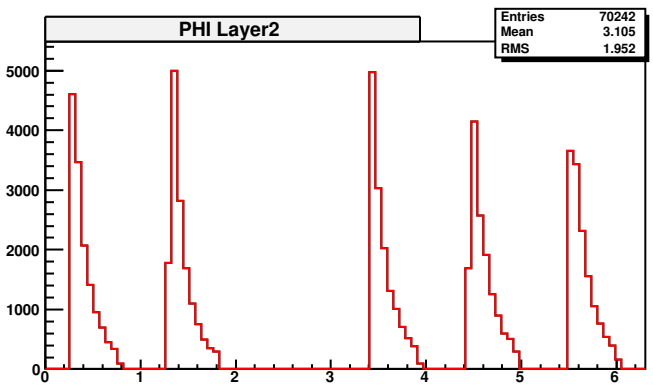


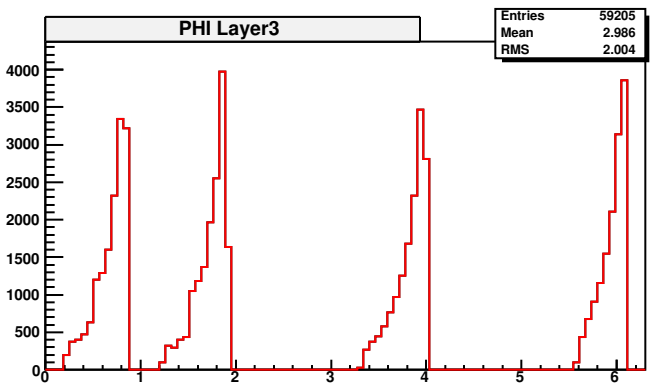


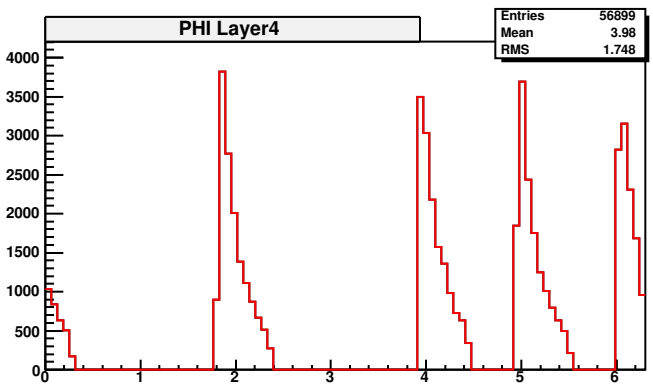


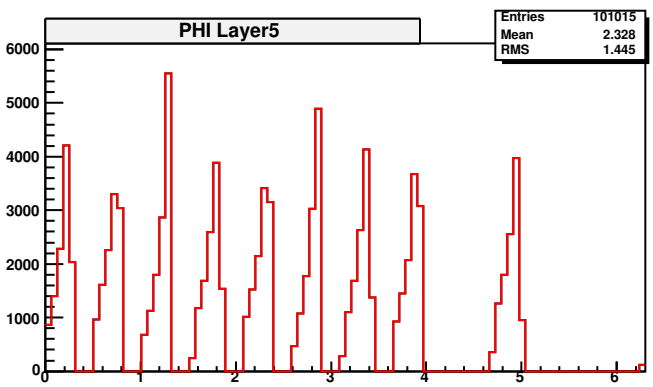
SmtClusters (ClustrBar3)

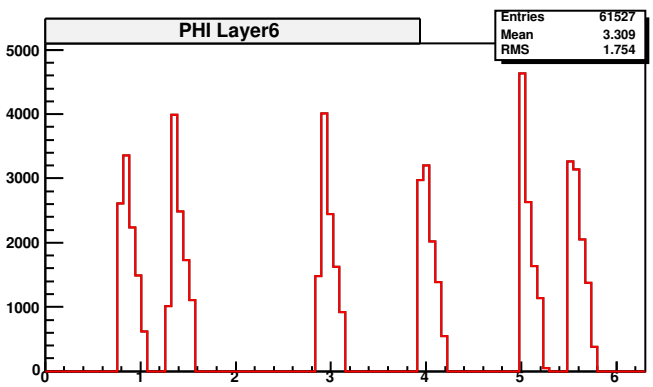


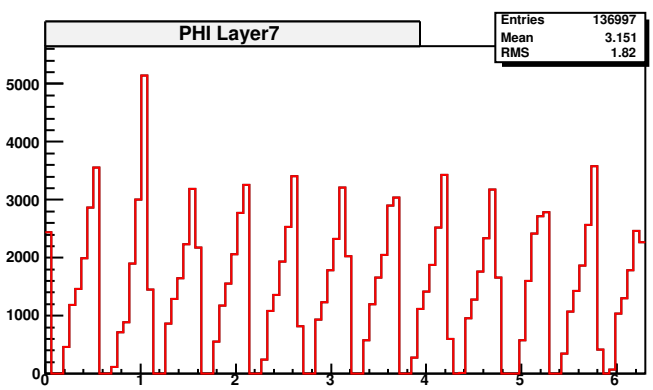


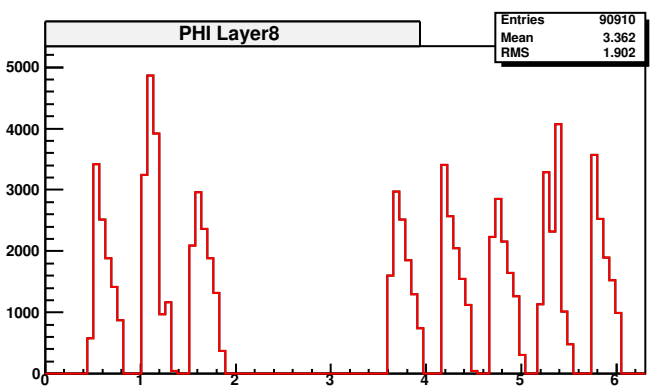




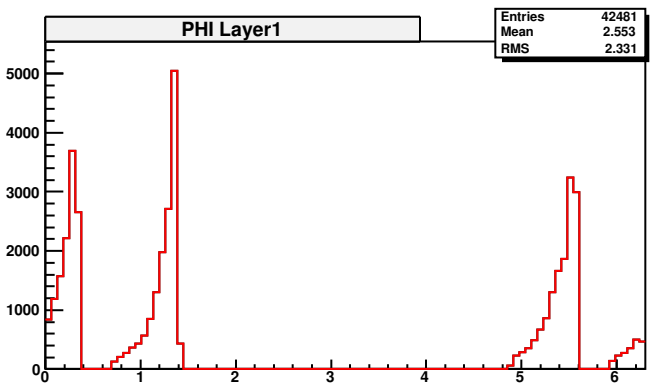


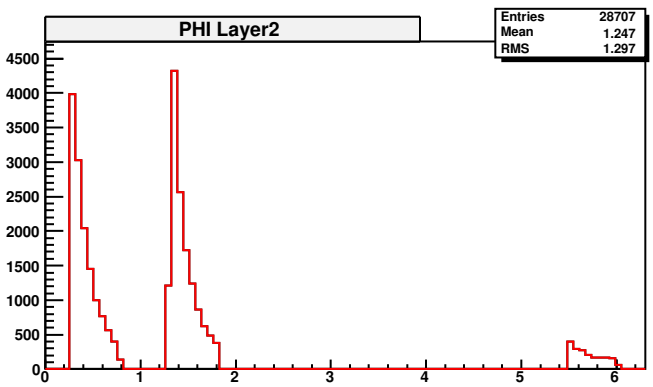


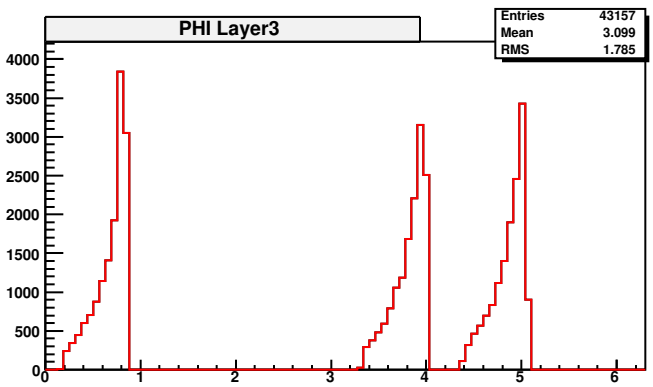


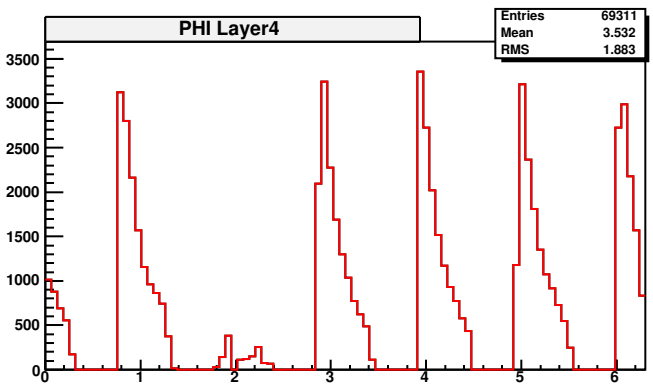


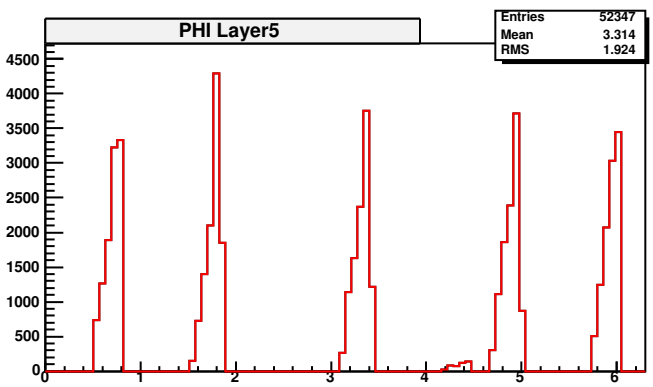
SmtClusters (ClustrBar4)

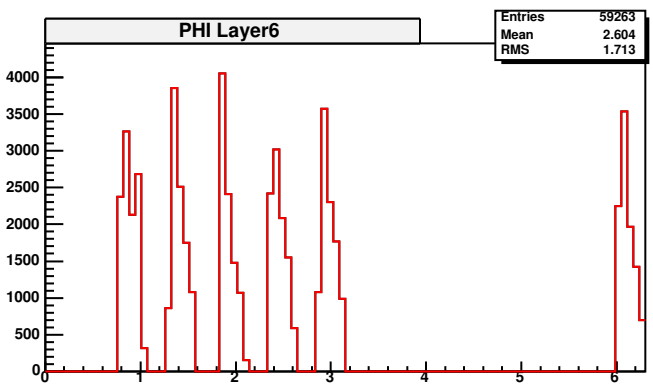


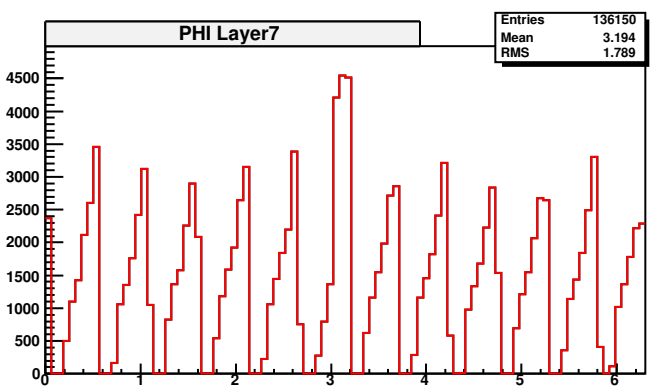


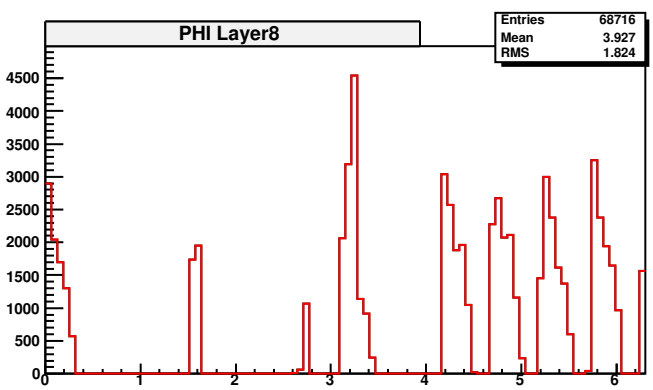




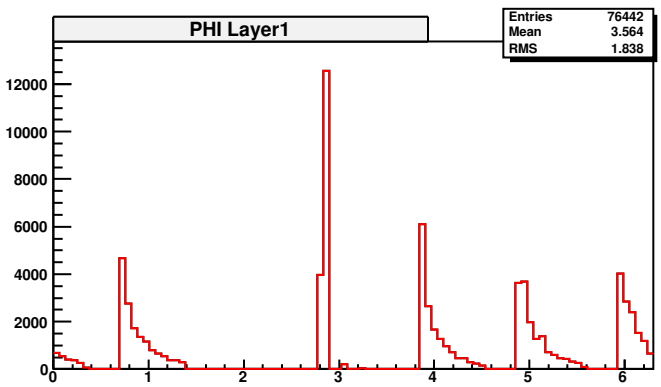


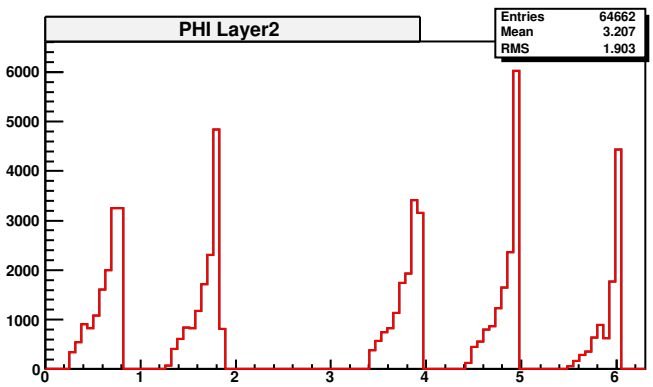


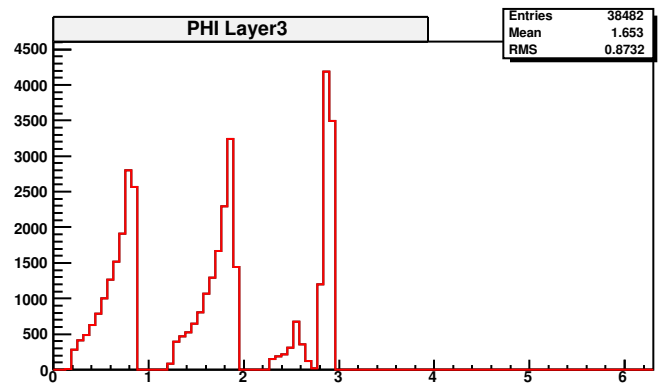


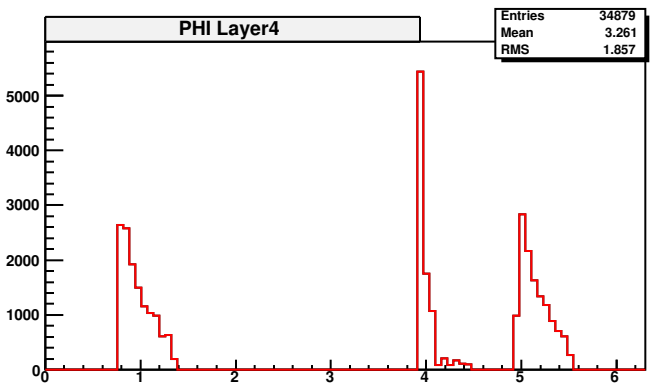


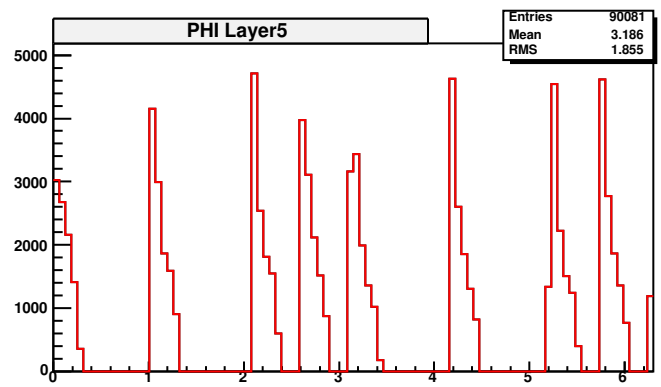
SmtClusters (ClustrBar5)

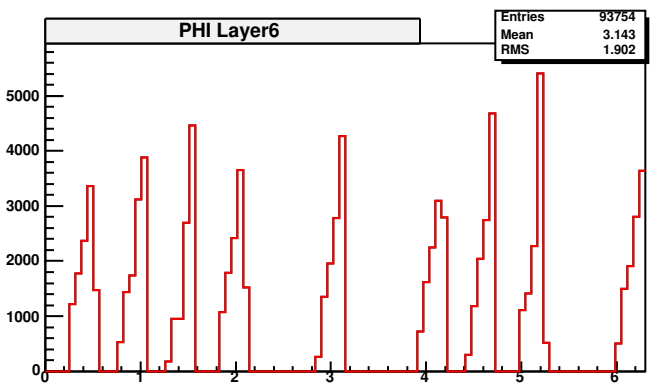


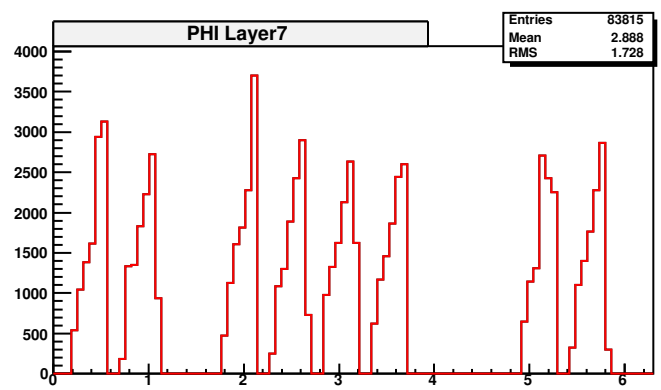


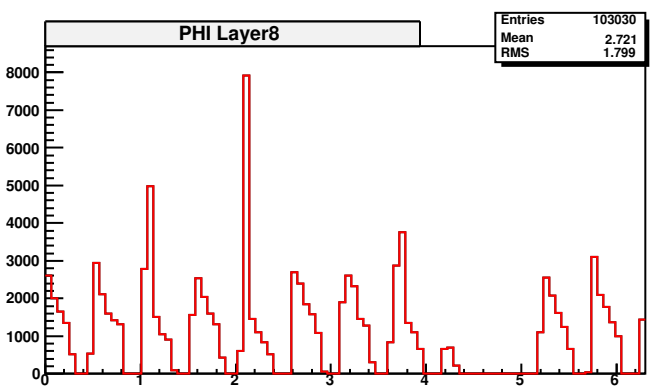




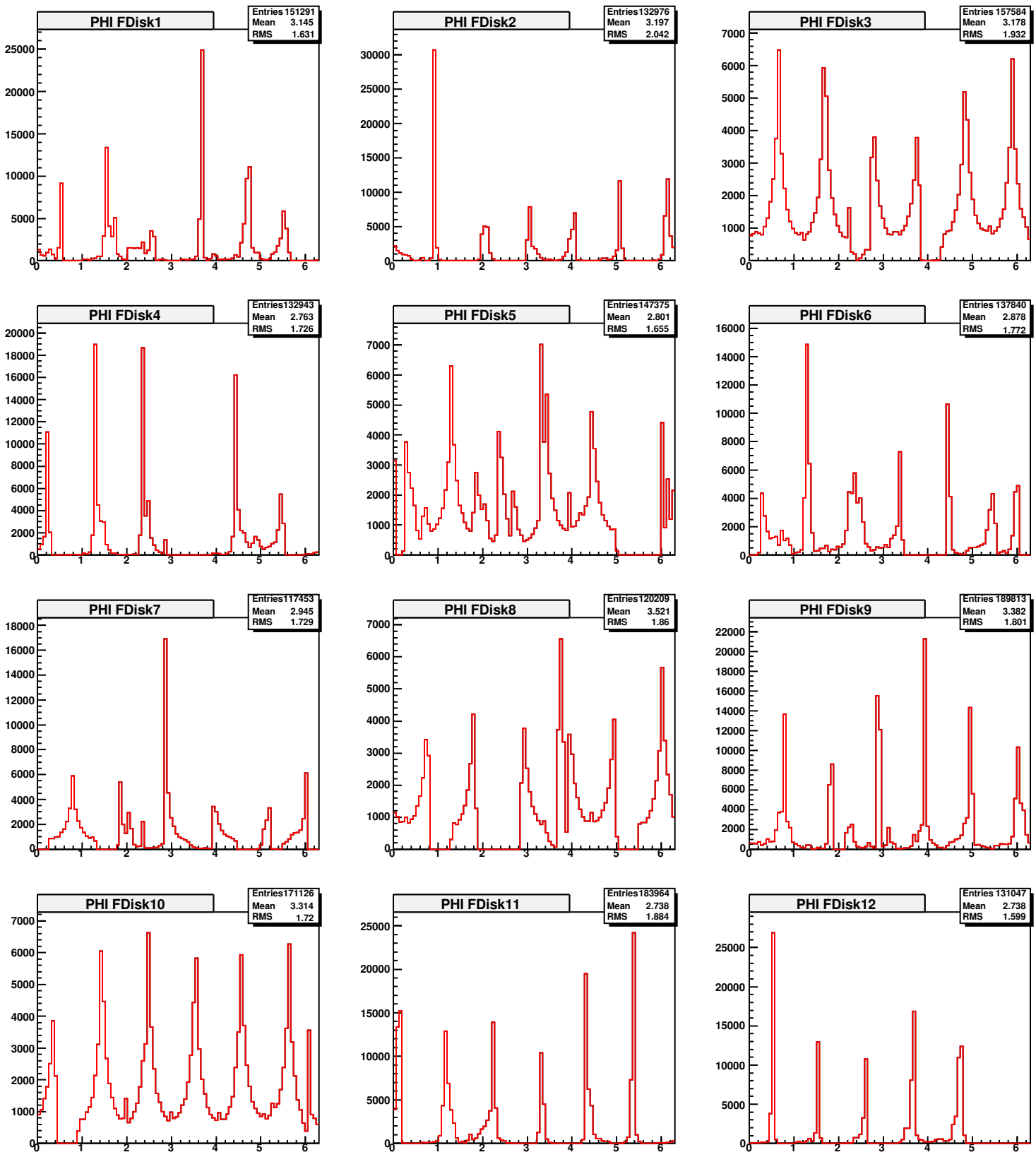




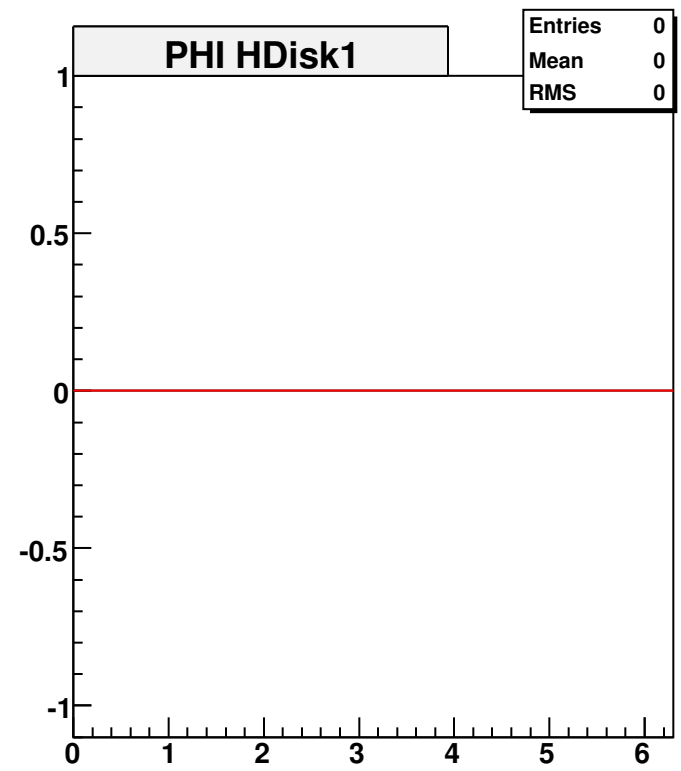


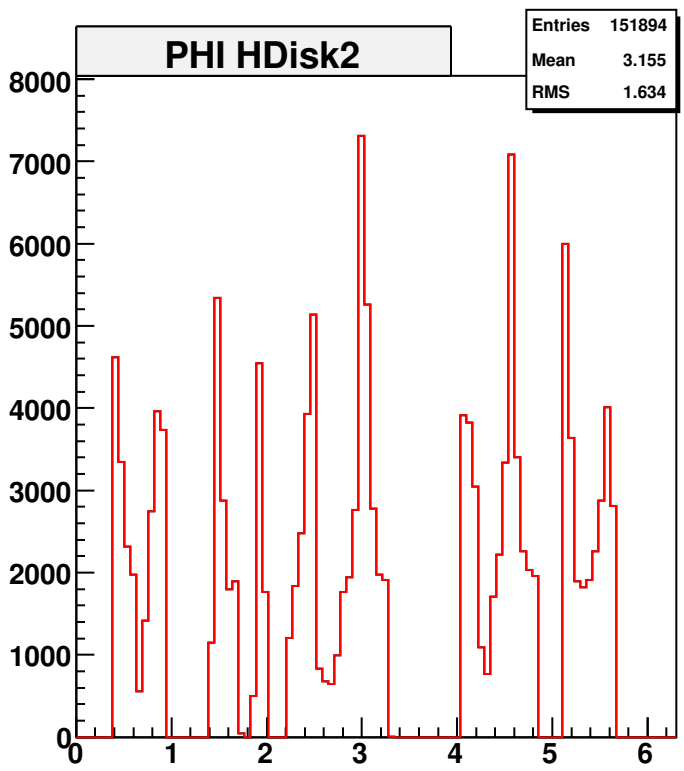


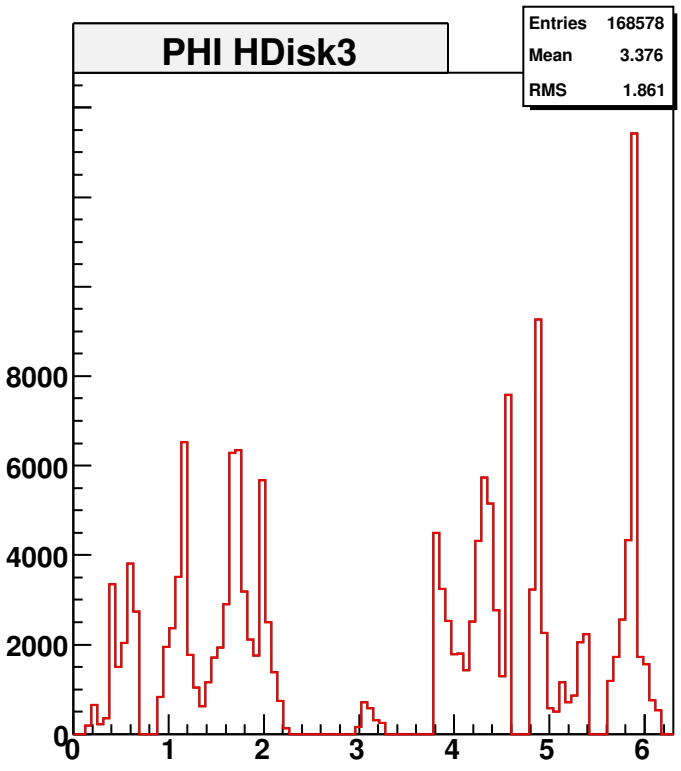
SmtClusters (ClustrBar6)

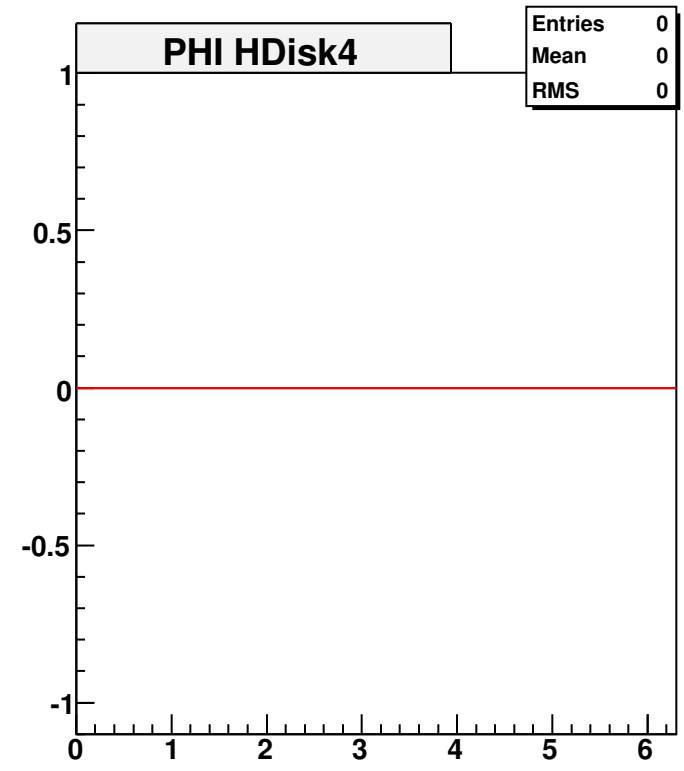


SmtClusters (FDiskClusters)

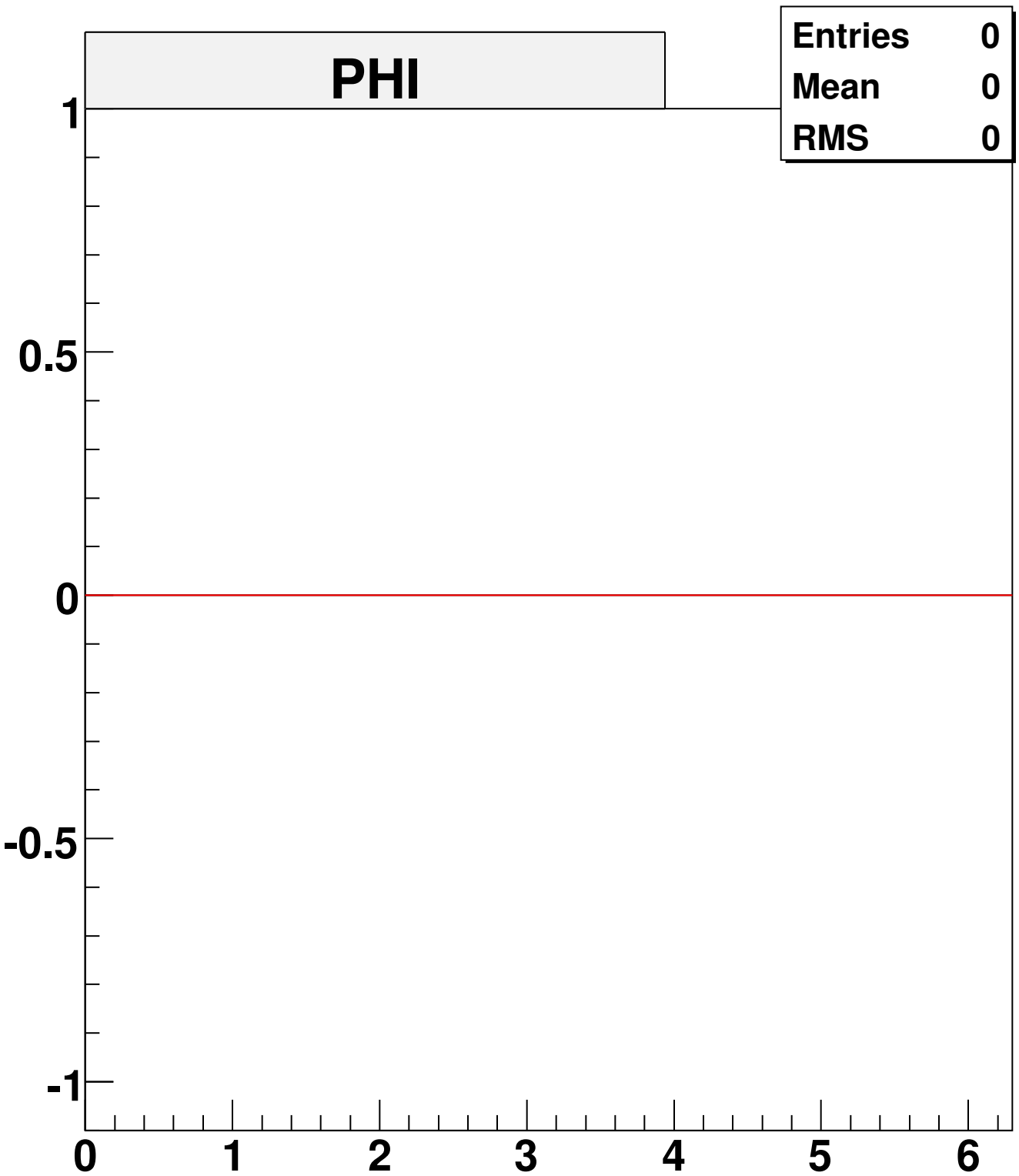


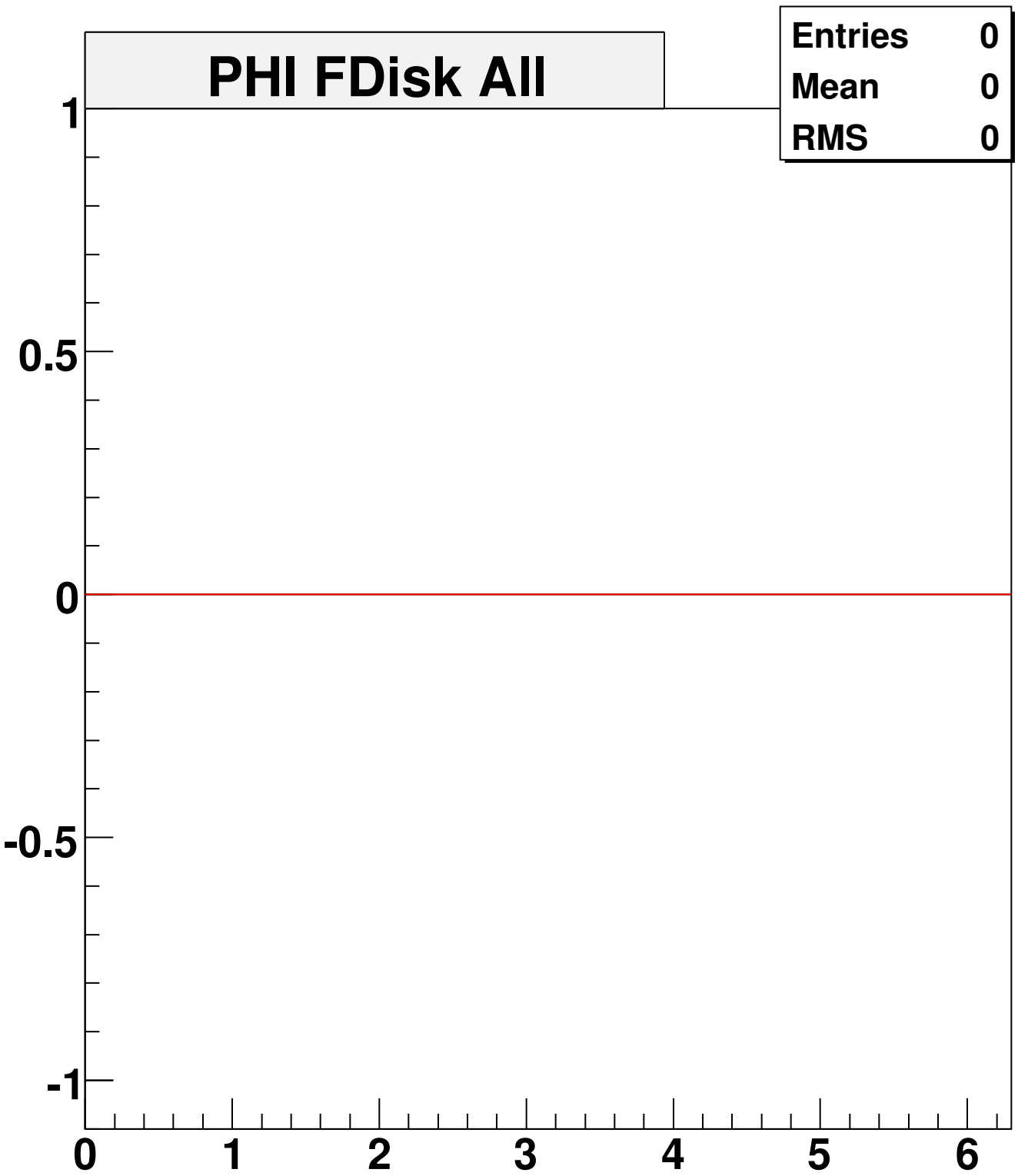






SmtClusters (HDiskClusters)


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


PHI FDisk All
Entries 0
Mean 0
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-1
0
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4
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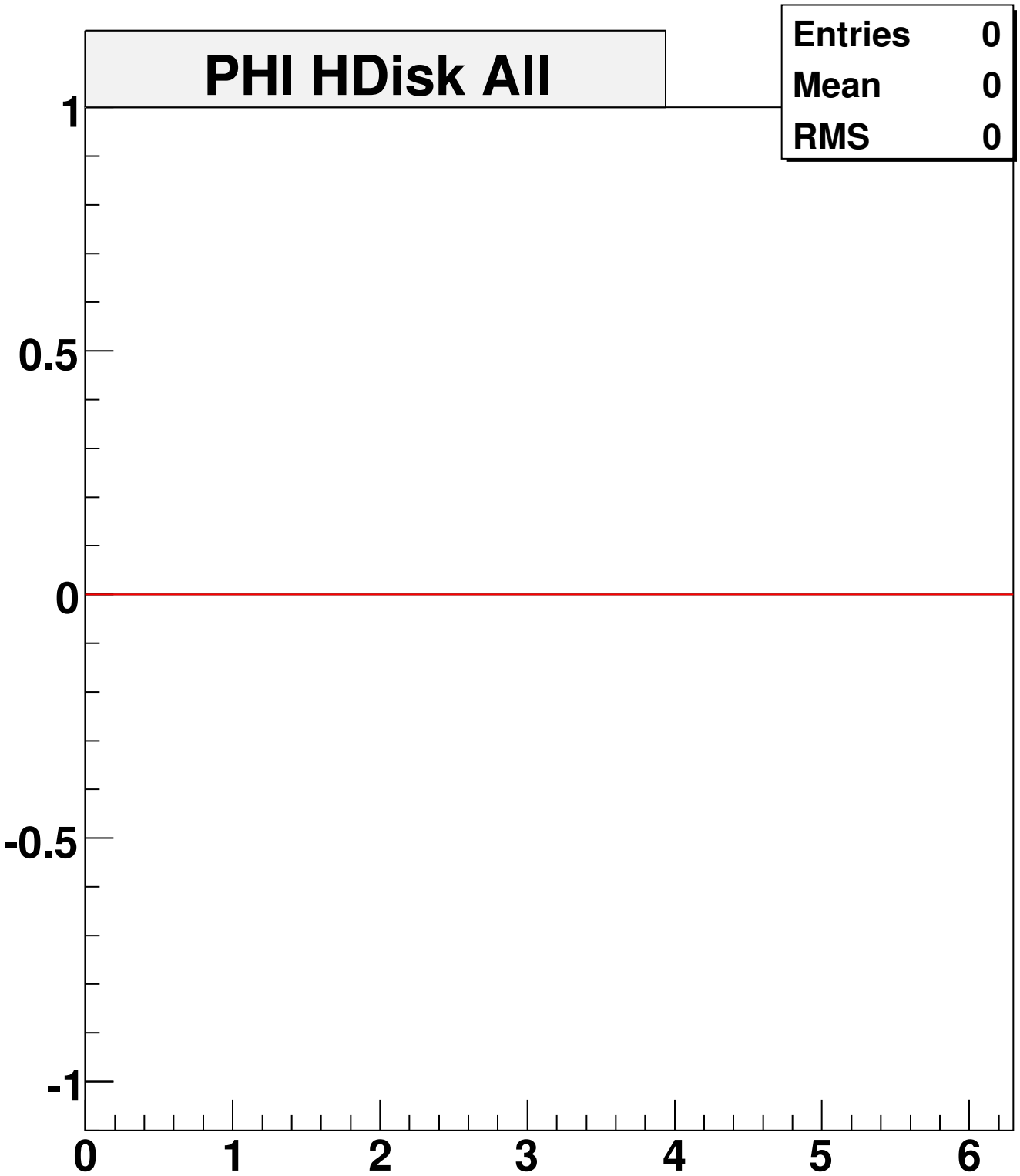
6
SmtClusters (allFDiskTClusters)


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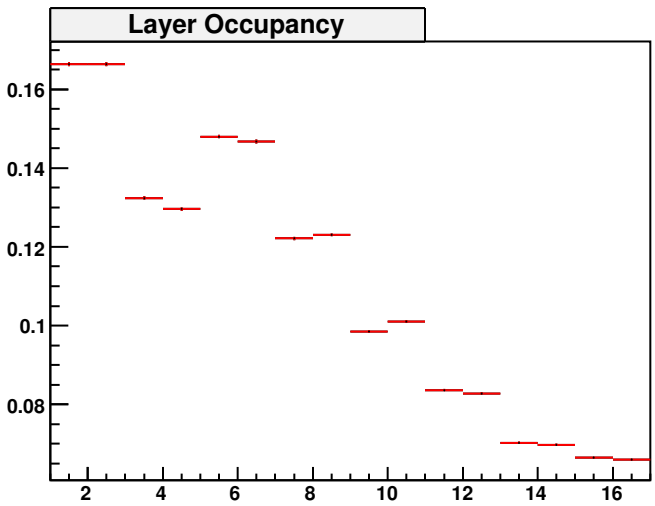
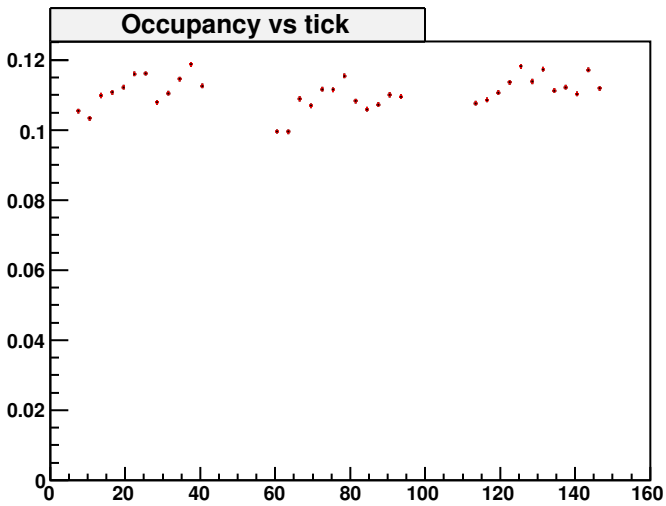
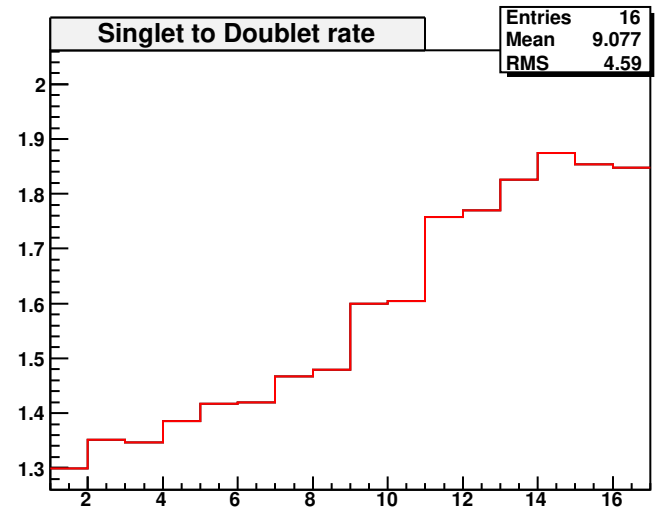
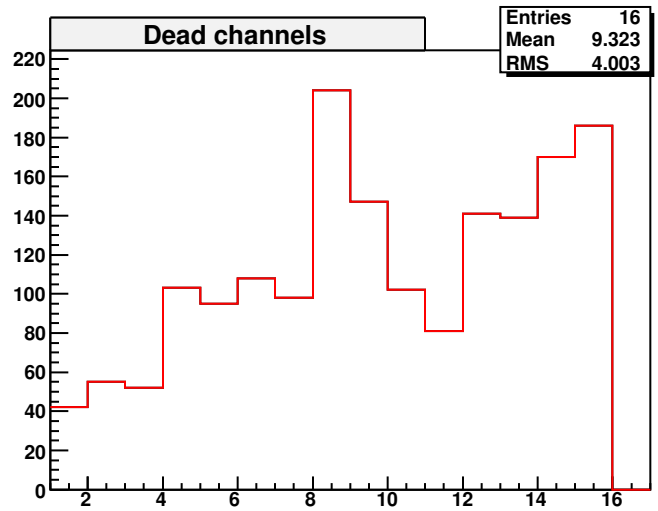
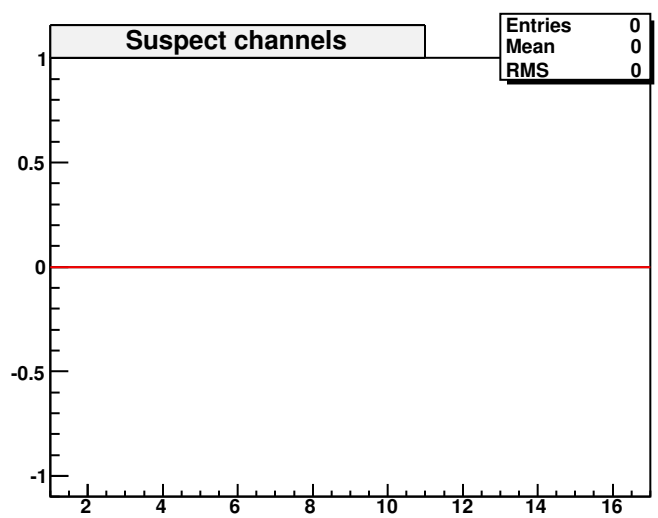
6
SmtClusters (allHDiskTClusters)

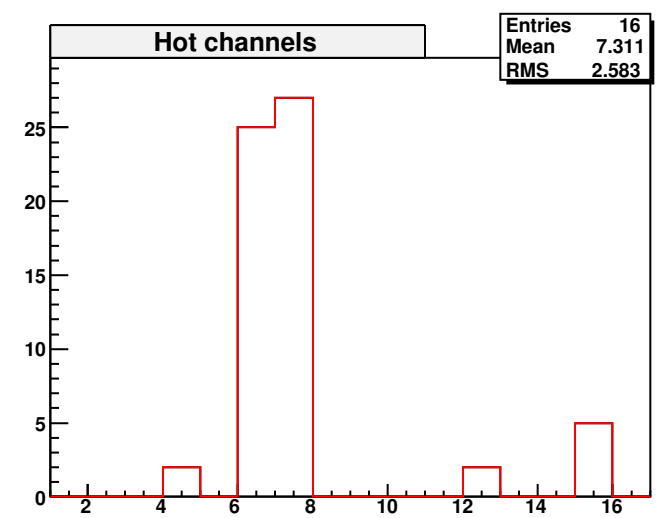




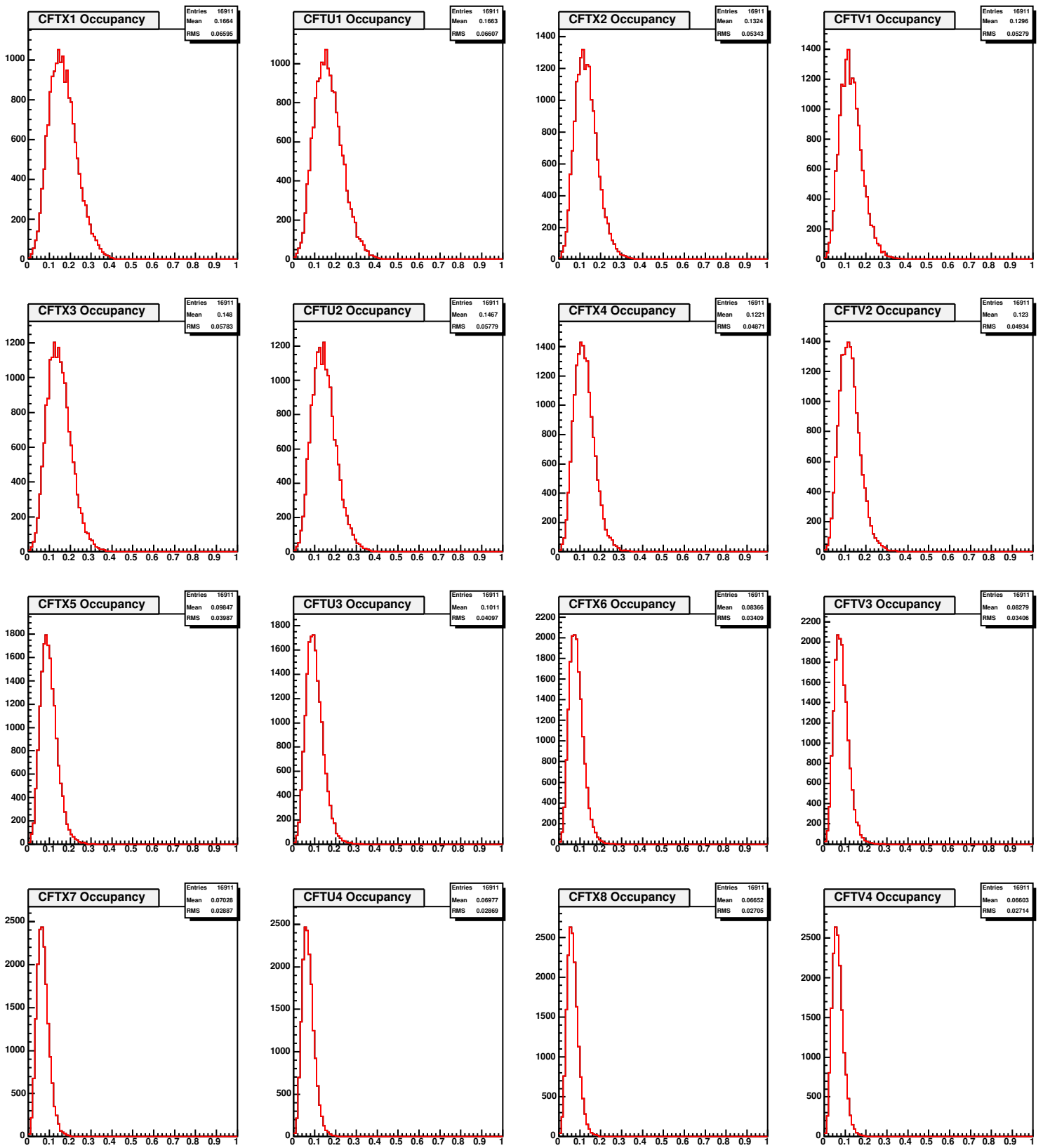




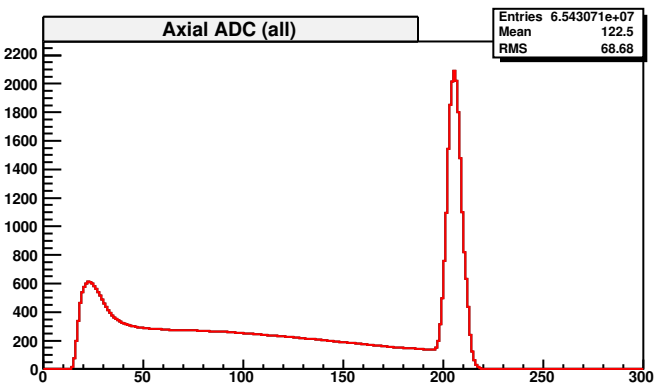


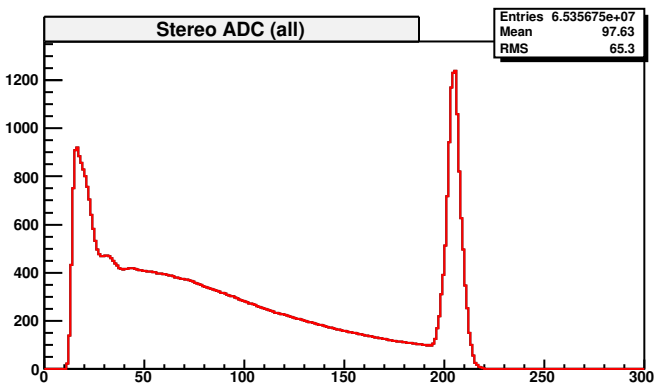


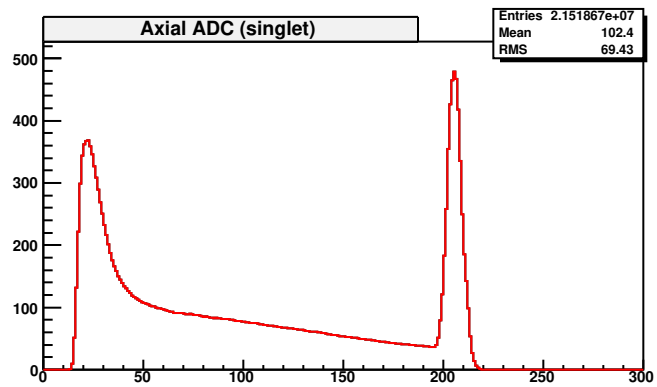
CFT Summary (All Clusters)

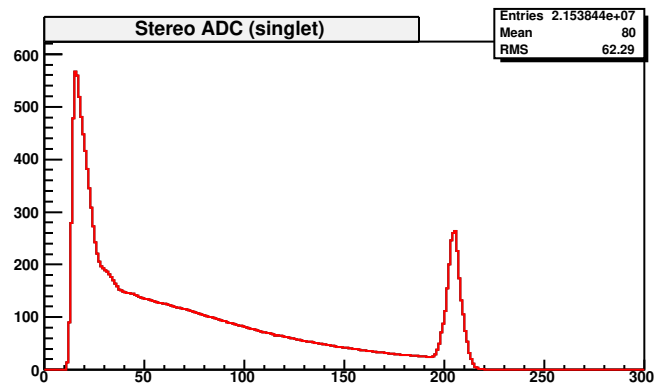


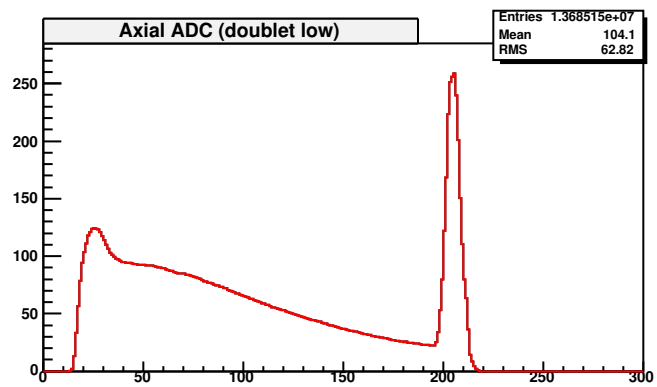
CFT Occupancy (All Clusters)

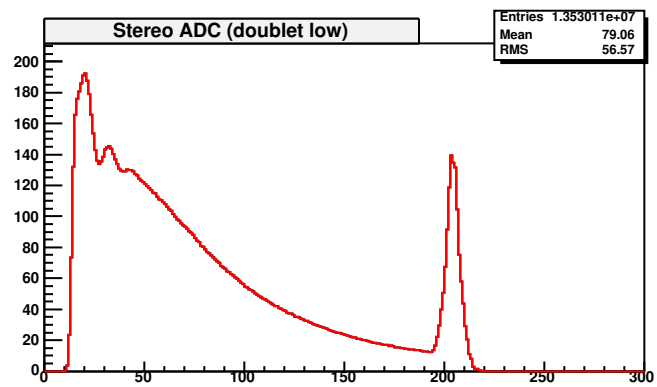


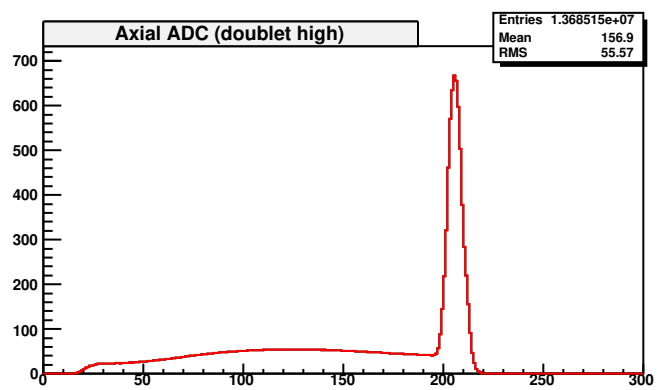


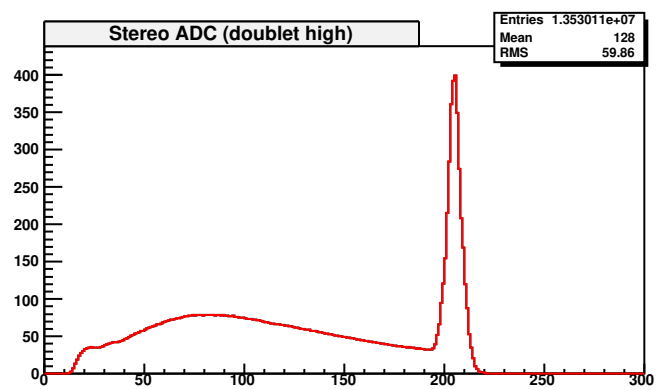




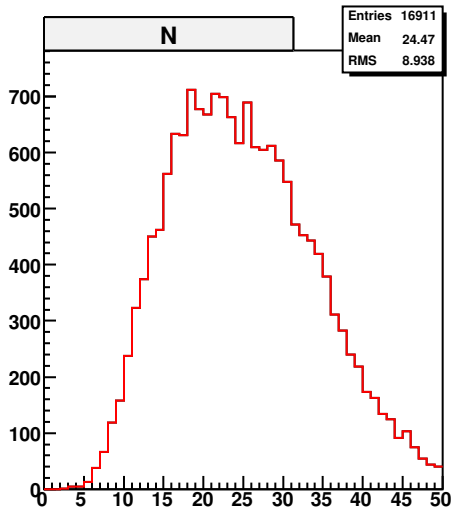


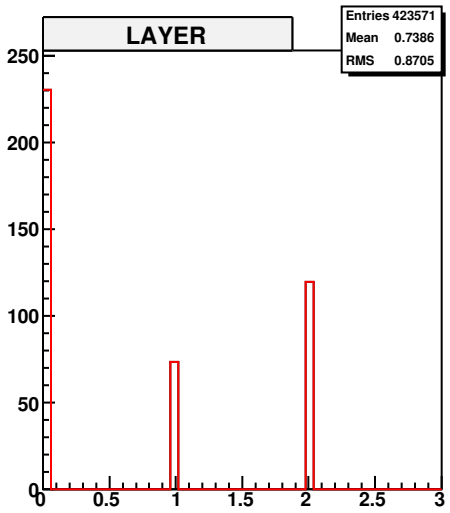


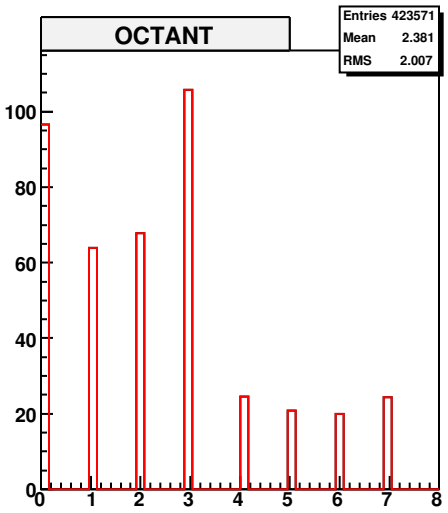


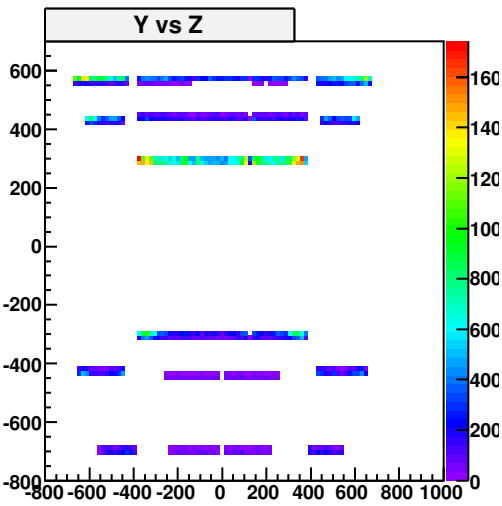


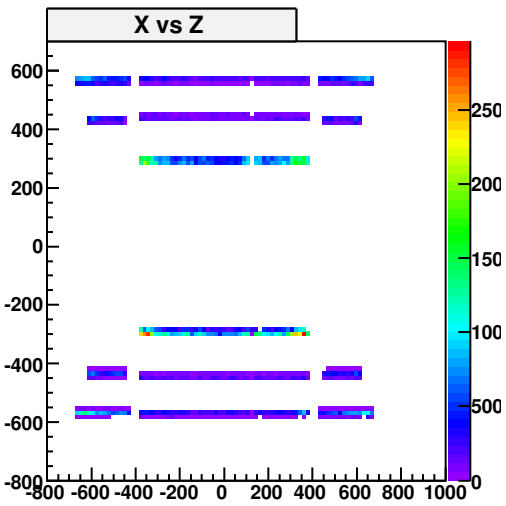
CFT ADC Summary (All Clusters)

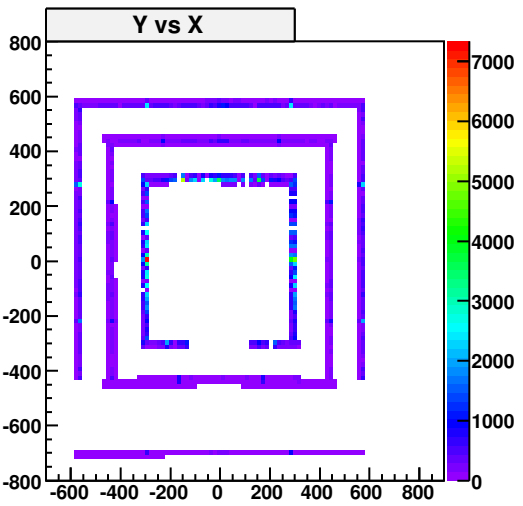

N
Entries 16911
Mean 24.47
RMS 8.938

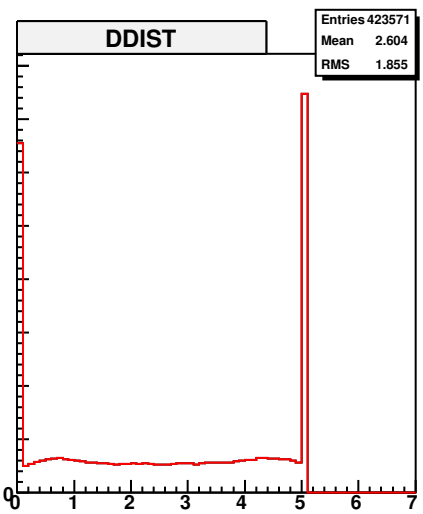

LAYER
Entries 423571
Mean 0.7386
RMS 0.8705

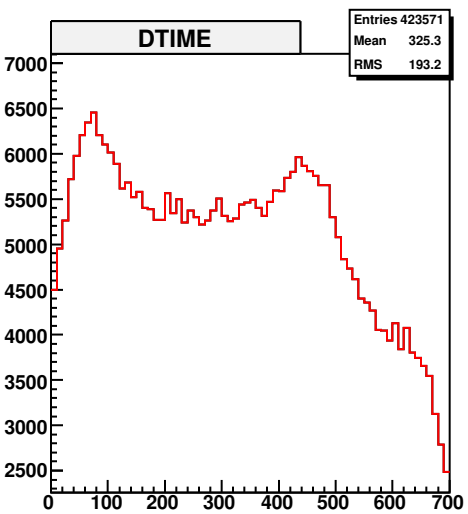

OCTANT
Entries 423571
Mean 2.381
RMS 2.007


Y vs Z

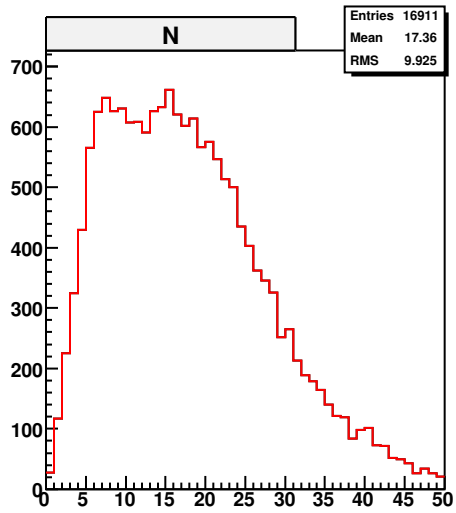

X vs Z

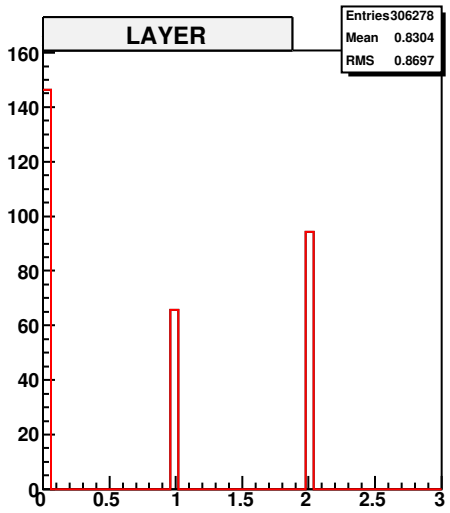

Y vs X

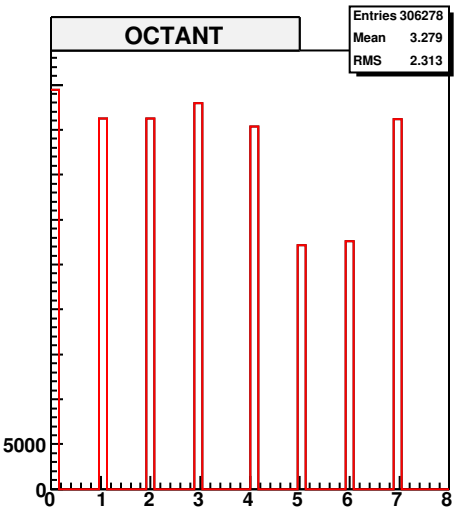

DDIST
Entries 423571
Mean 2.604
RMS 1.855

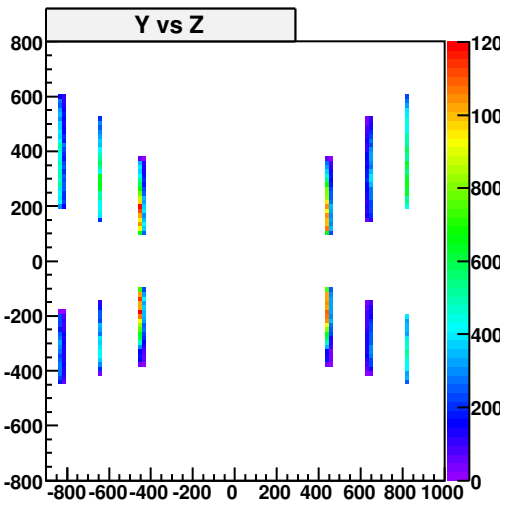

DTIME
Entries 423571
Mean 325.3
RMS 193.2

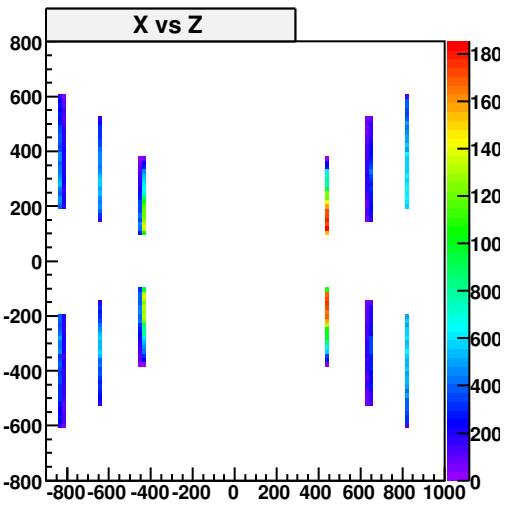
MuonPDT (All)

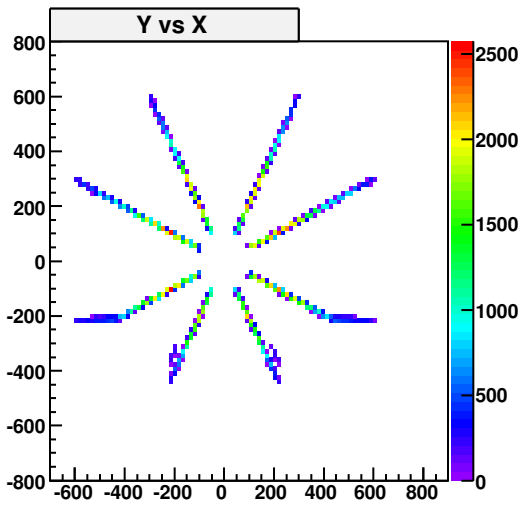

N
Entries 16911
Mean 17.36
RMS 9.925

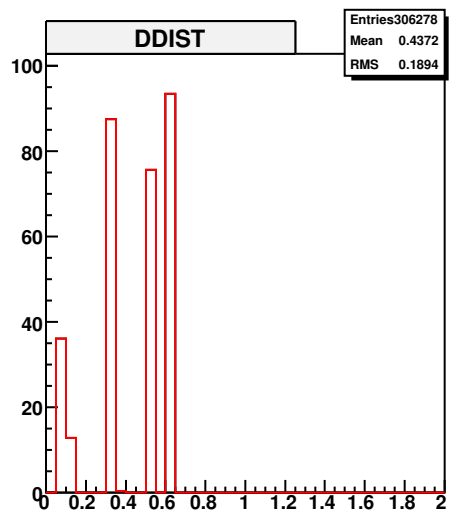

LAYER
Entries 306278
Mean 0.8304
RMS 0.8697

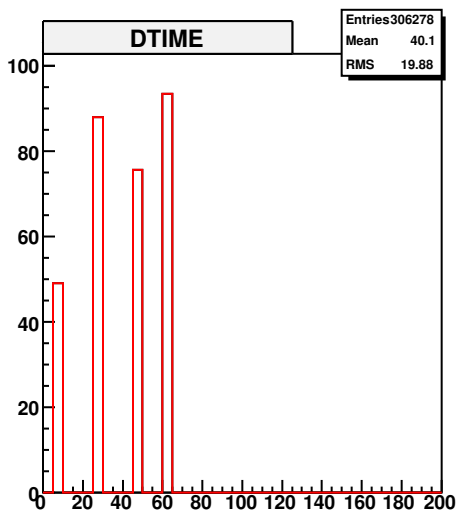

OCTANT
Entries 306278
Mean 3.279
RMS 2.313


Y vs Z

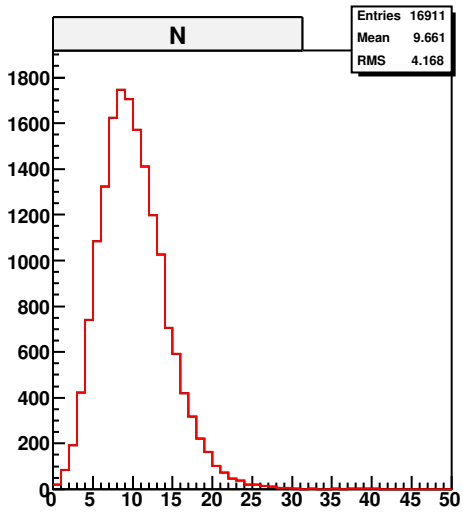

X vs Z

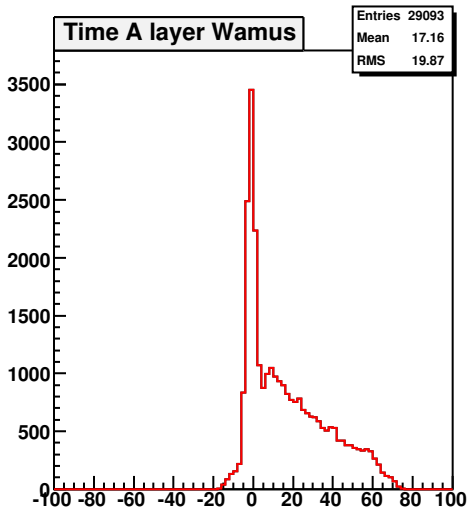

Y vs X

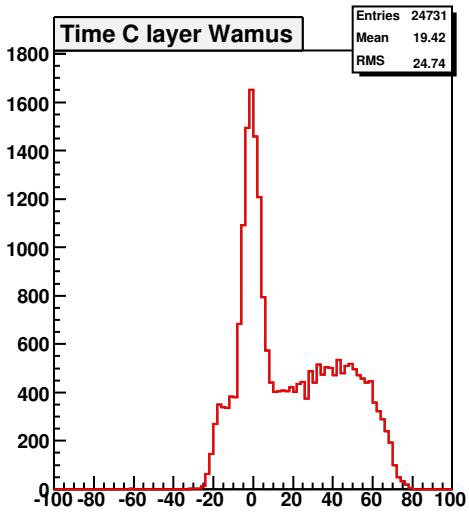

DDIST
Entries 306278
Mean 0.4372
RMS 0.1894

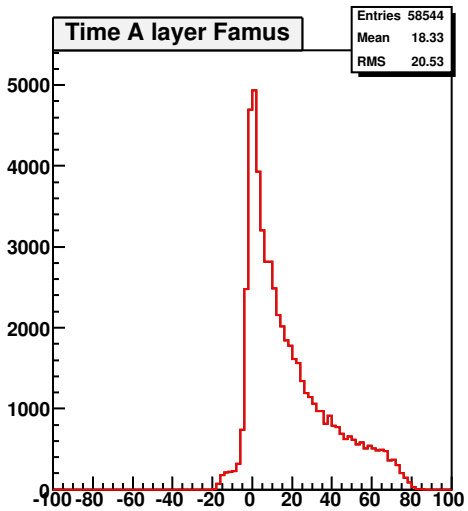

DTIME
Entries 306278
Mean 40.1
RMS 19.88

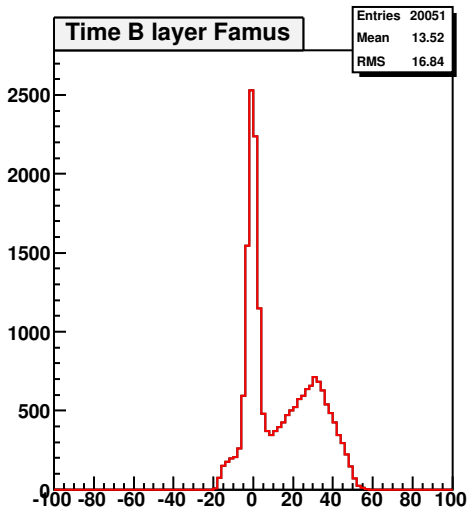
MuonMDT (All)

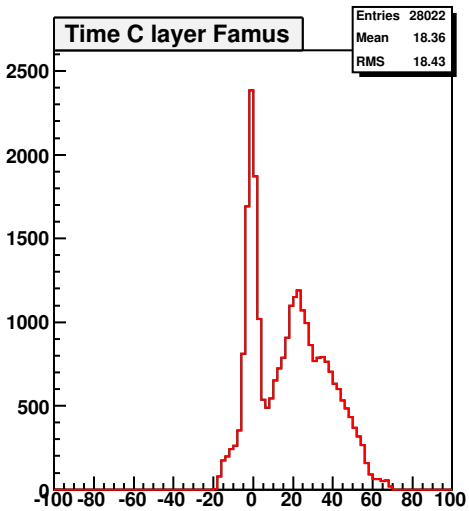

N
Entries 16911
Mean 9.661
RMS 4.168

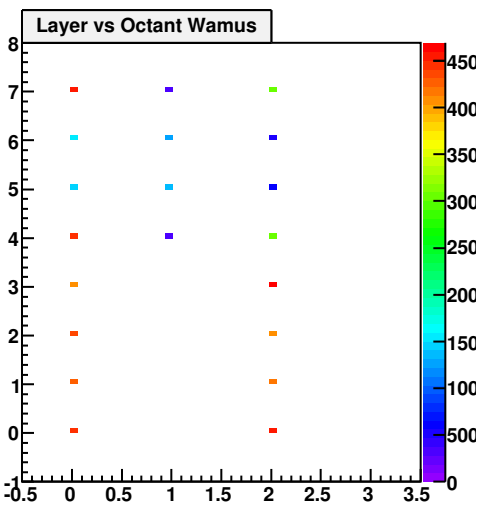

Time A layer Wamus
Entries 29093
Mean 17.16
RMS 19.87

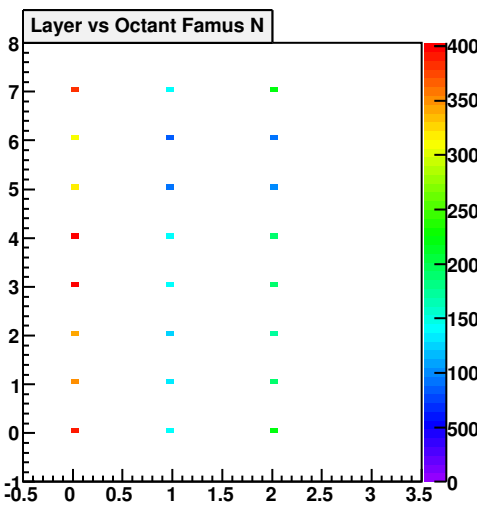

Time C layer Wamus
Entries 24731
Mean 19.42
RMS 24.74

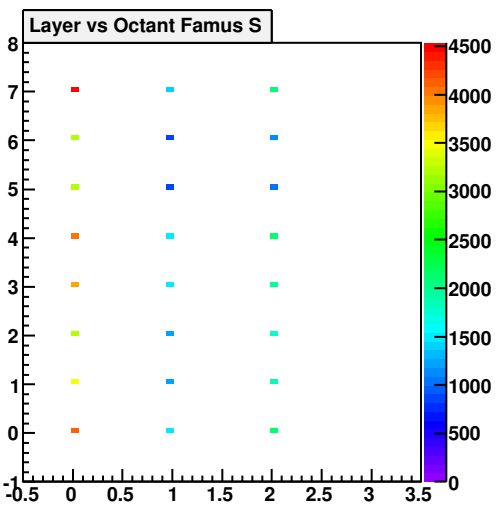

Time A layer Famus
Entries 58544
Mean 18.33
RMS 20.53


Time B layer Famus
Entries 20051
Mean 13.52
RMS 16.84

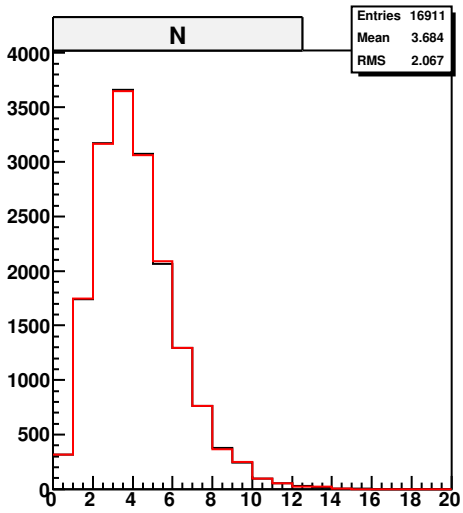

Time C layer Famus
Entries 28022
Mean 18.36
RMS 18.43

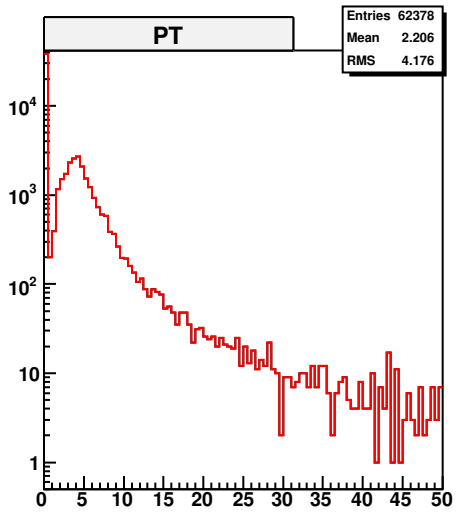

Layer vs Octant Wamus

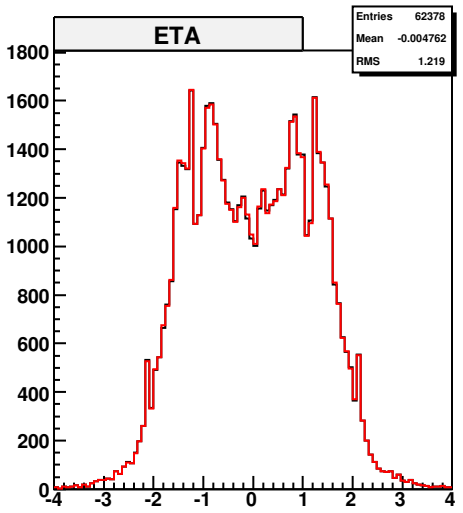

Layer vs Octant Famus N

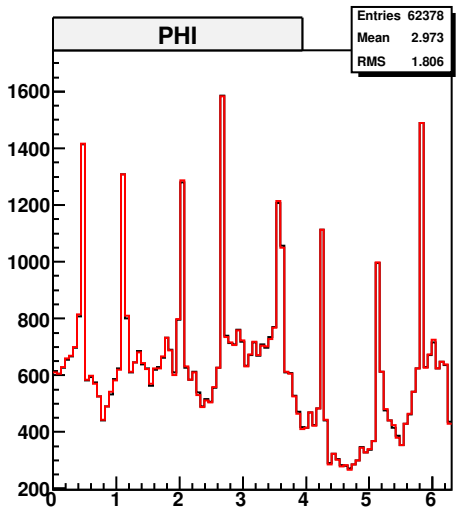

Layer vs Octant Famus S

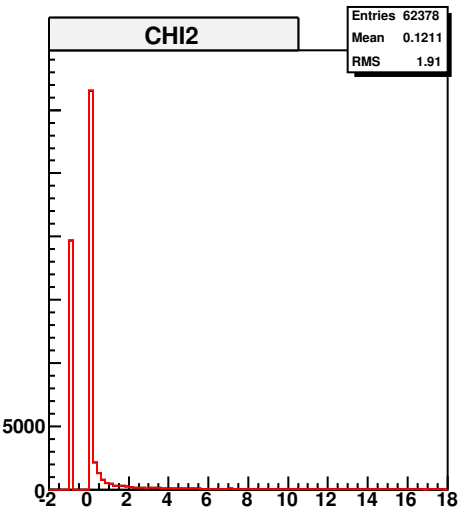
MuonMSC (All)

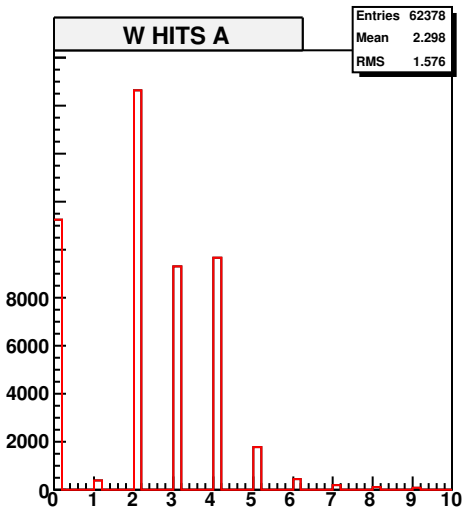


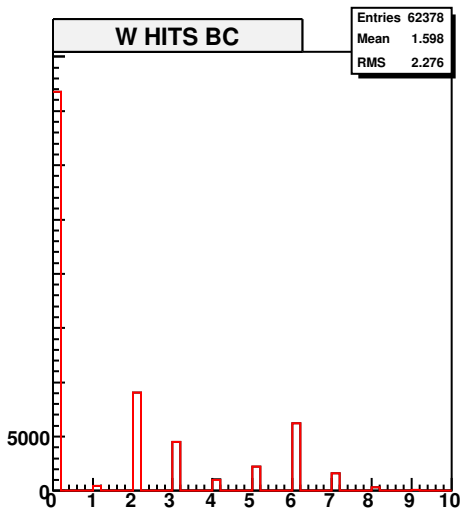


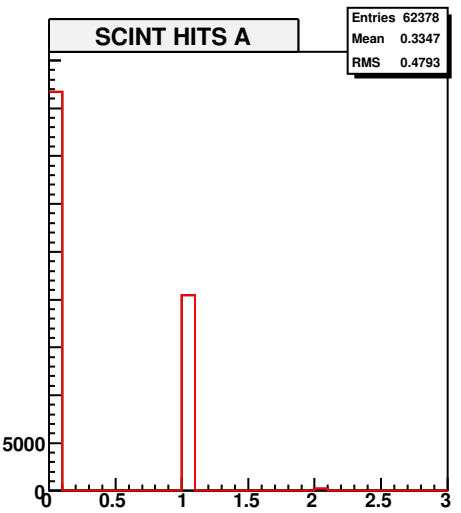


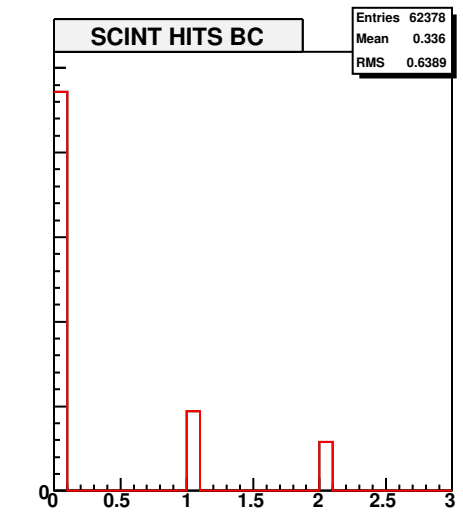




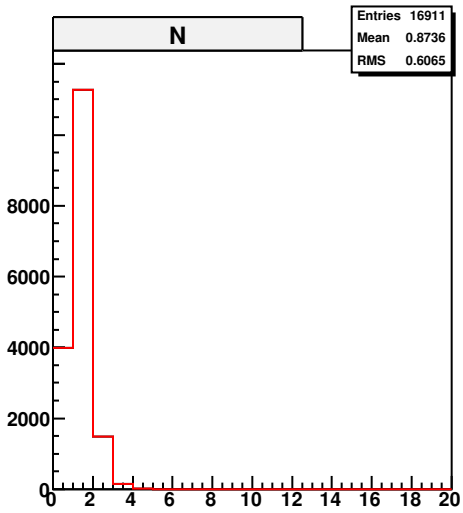


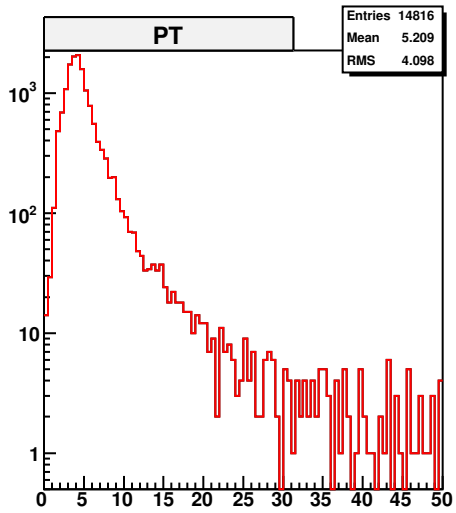


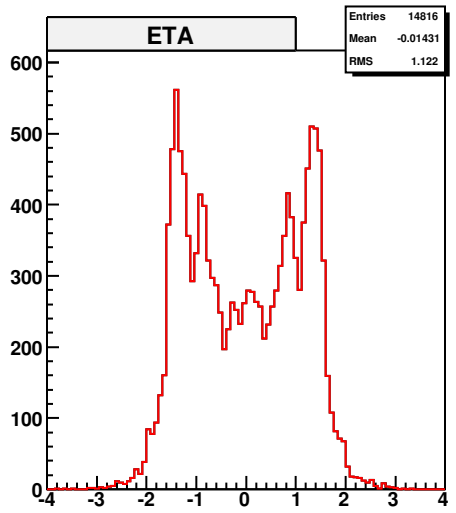


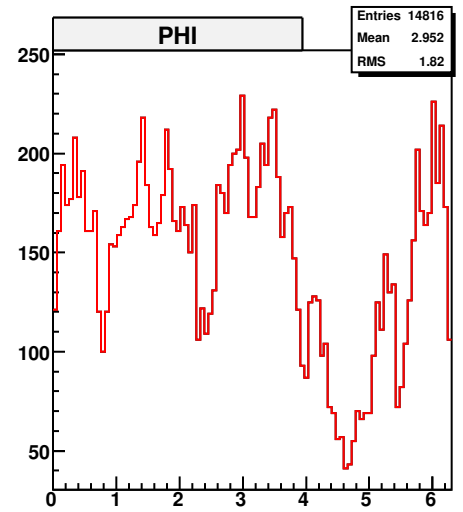


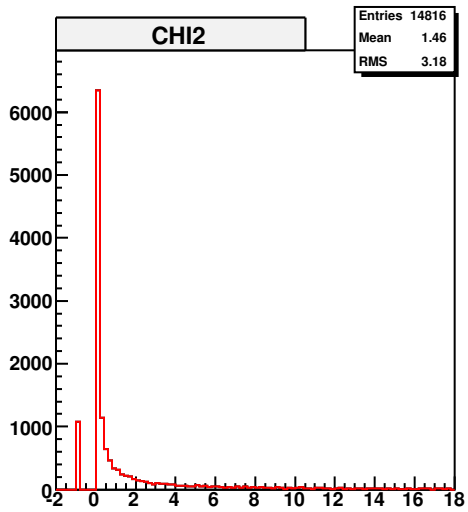
Muon Local Tracks (All)

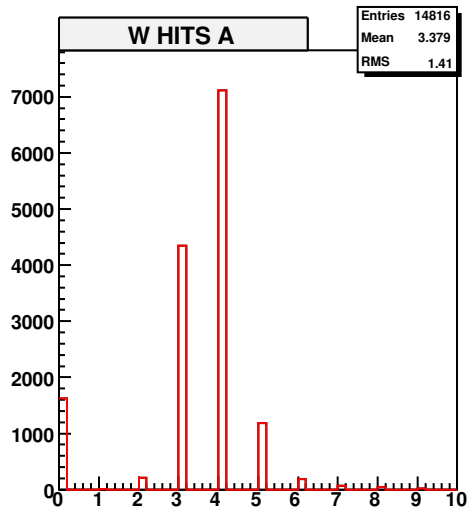


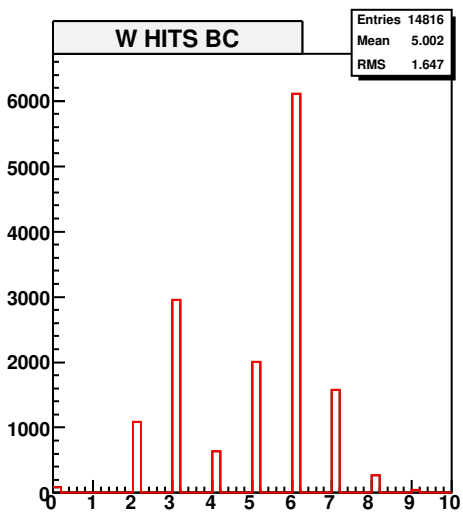


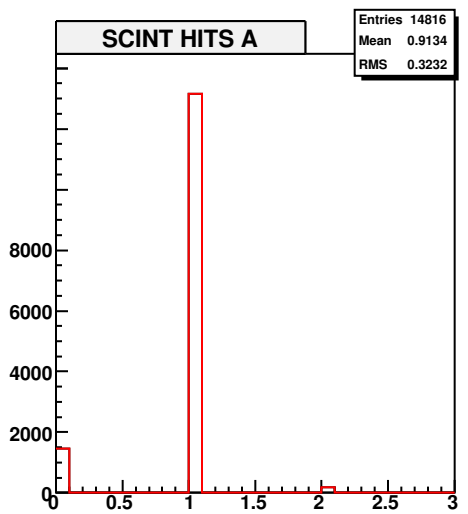


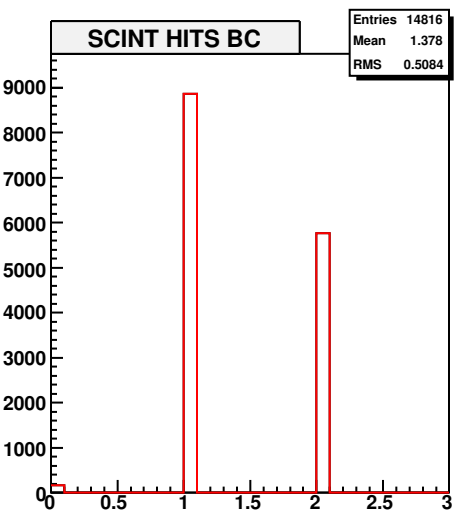




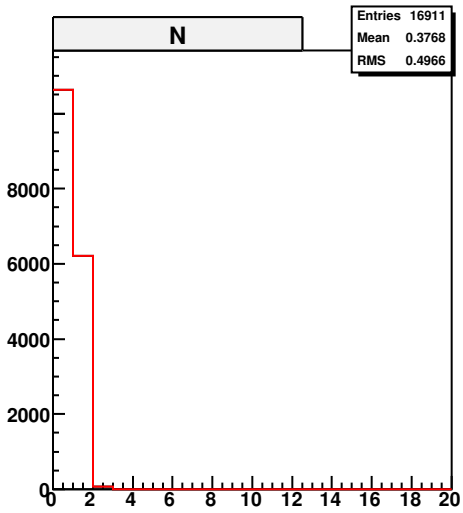


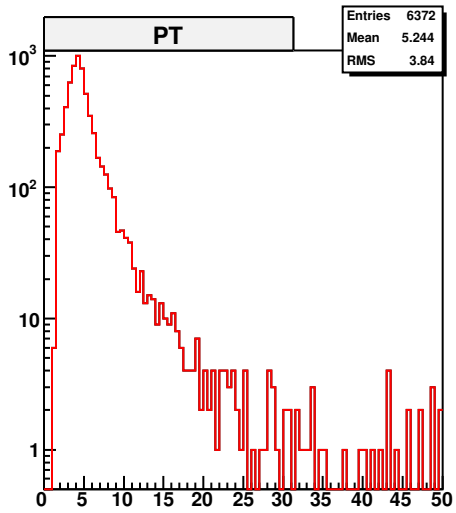


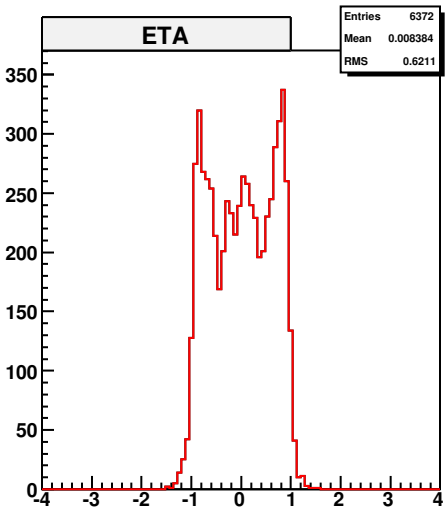


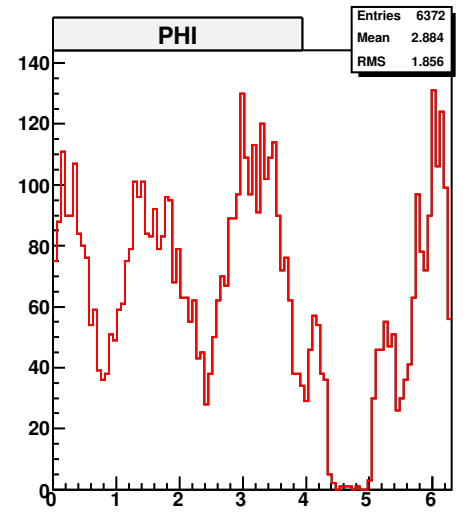


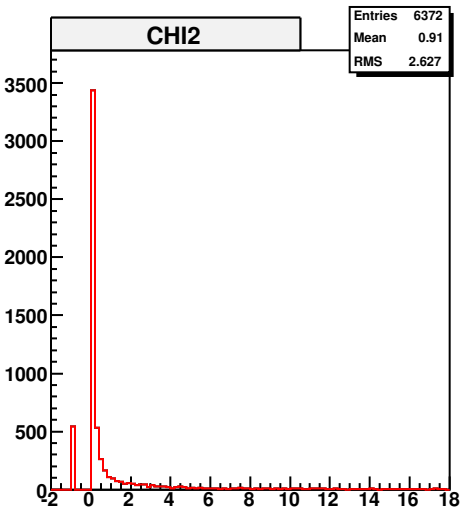
Muon Local Tracks (LooseWamus)

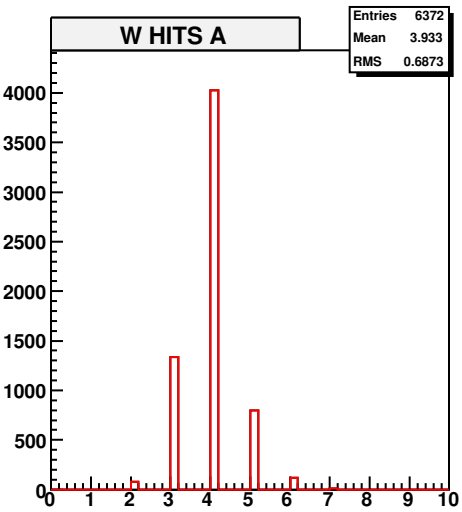


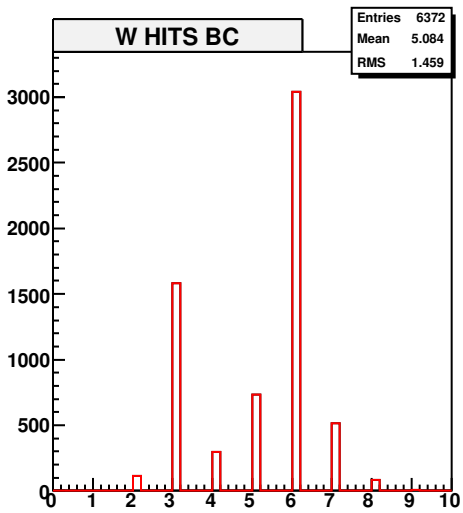


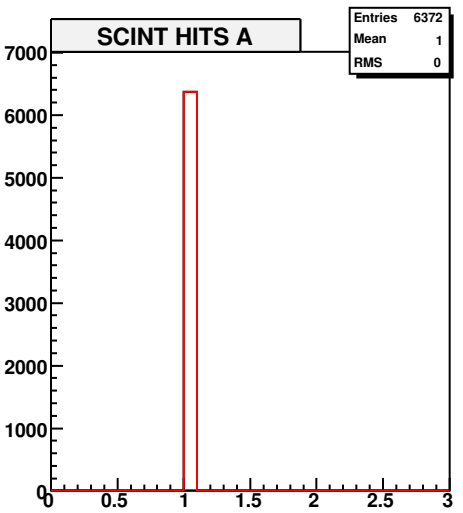


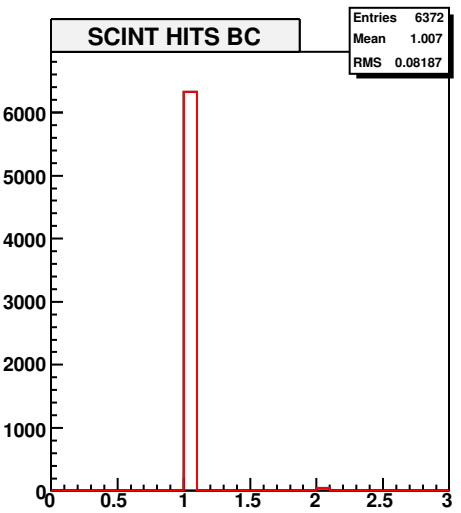




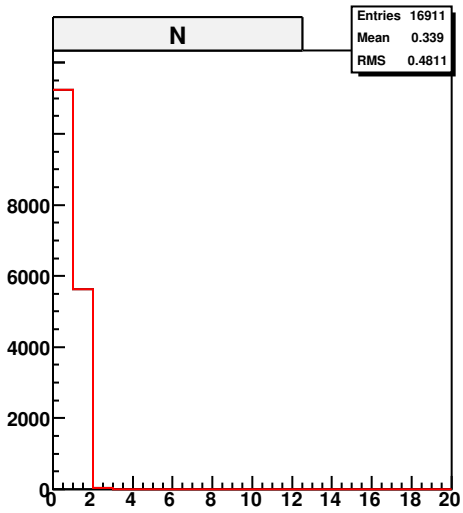


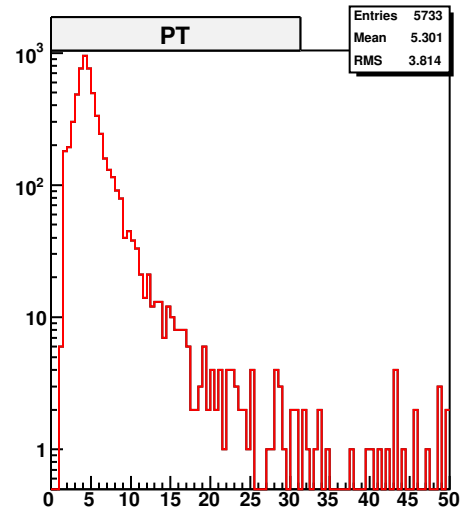


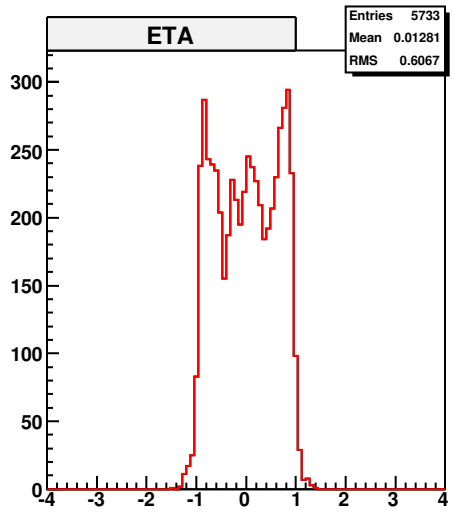


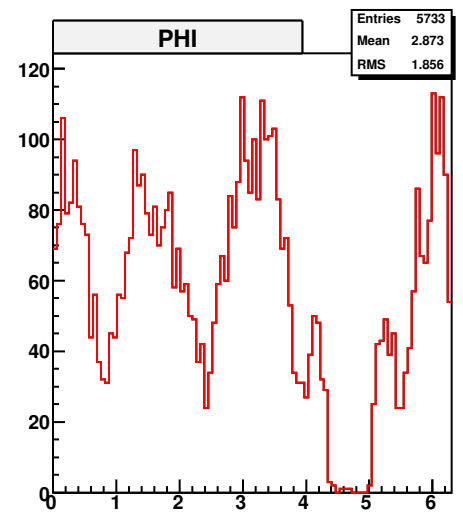


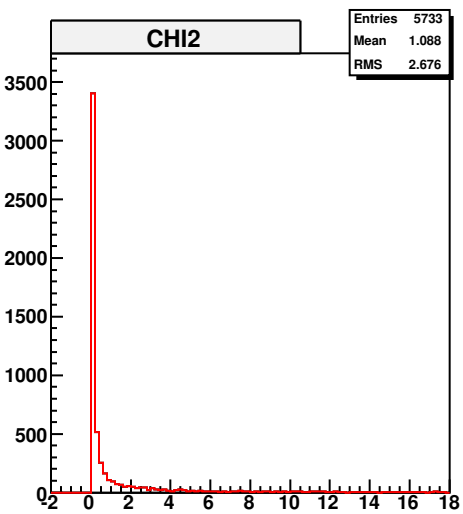
Muon Local Tracks (MediumWamus)

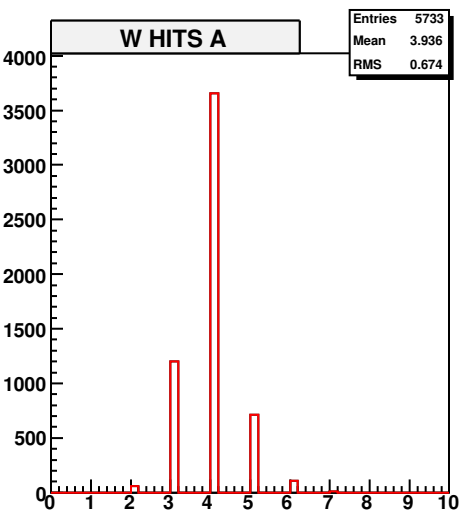


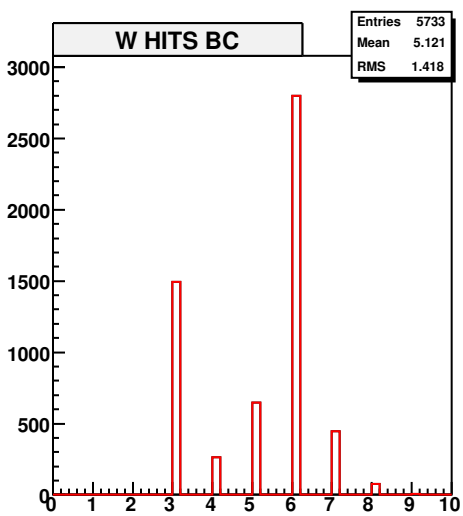


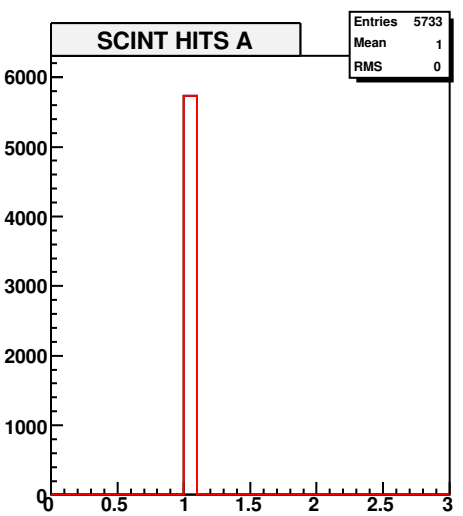


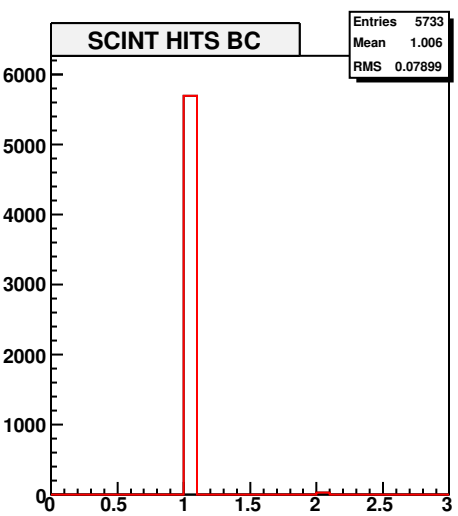




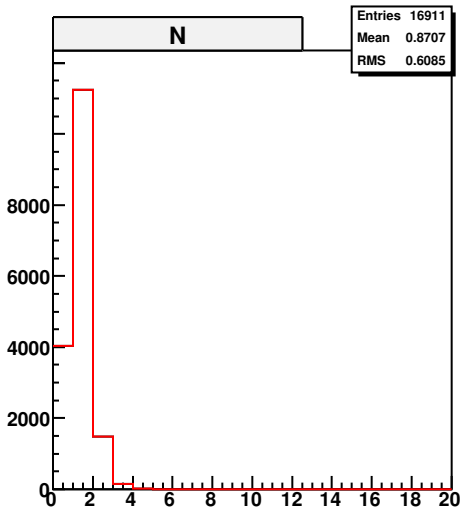


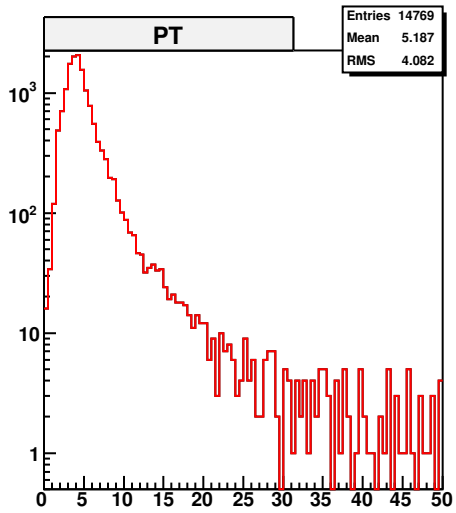


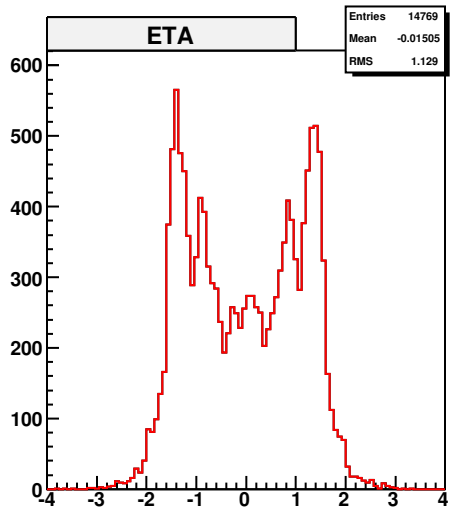


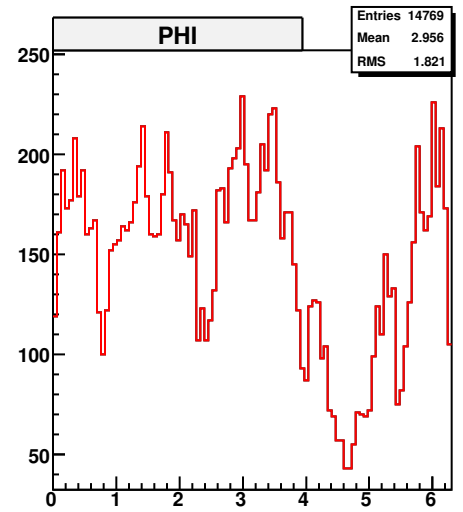


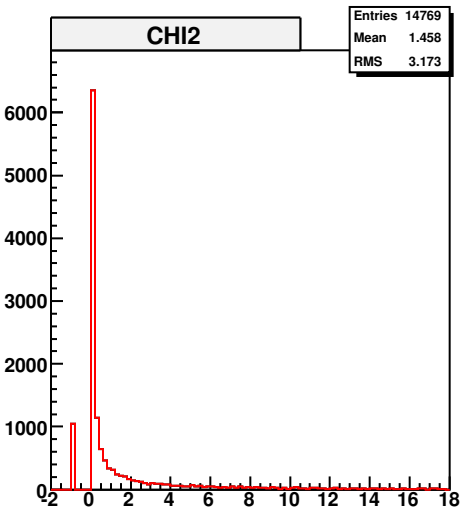
Muon Local Tracks (TightWamus)

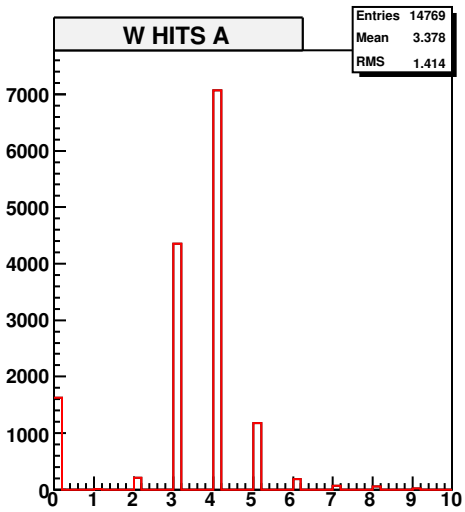


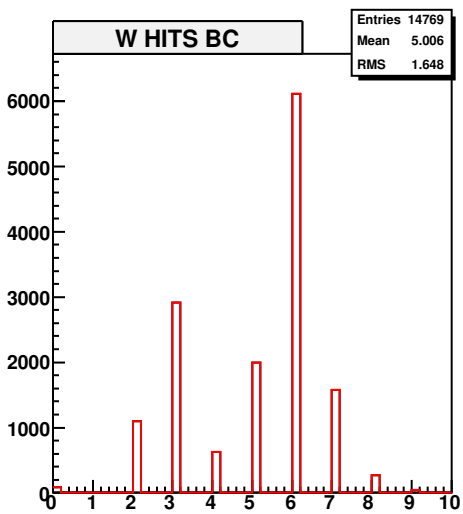


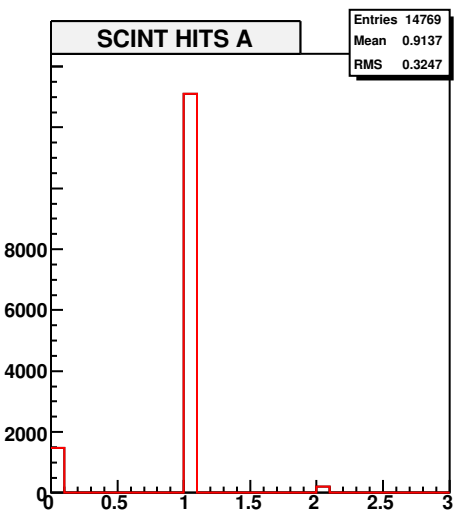


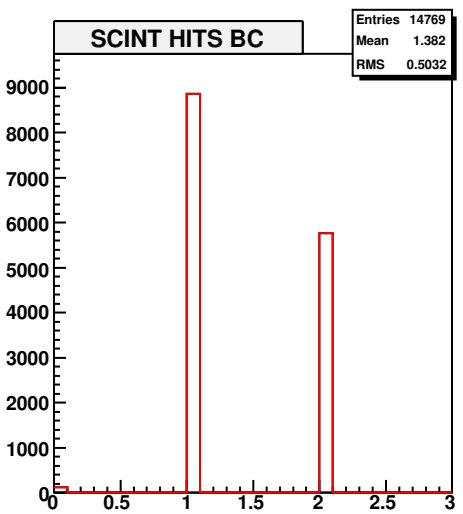




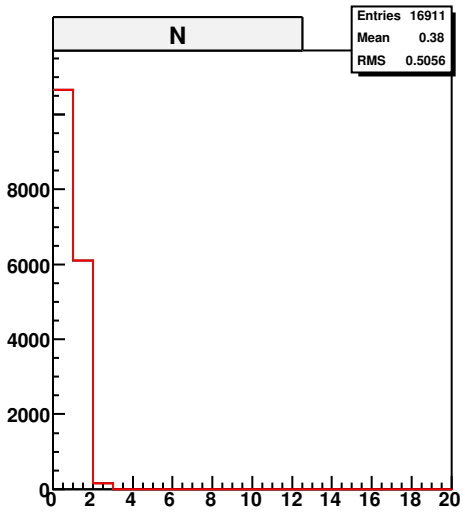


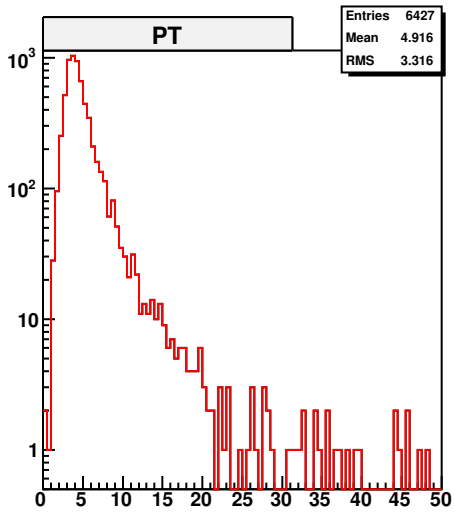


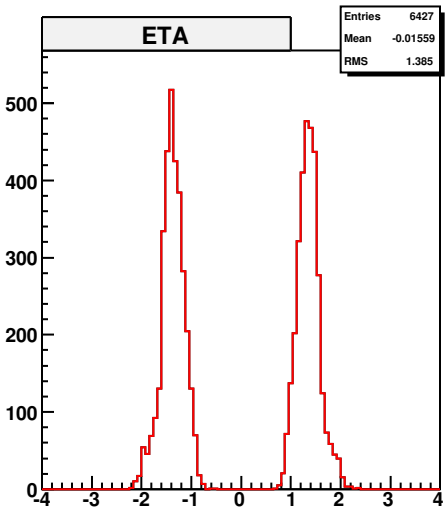


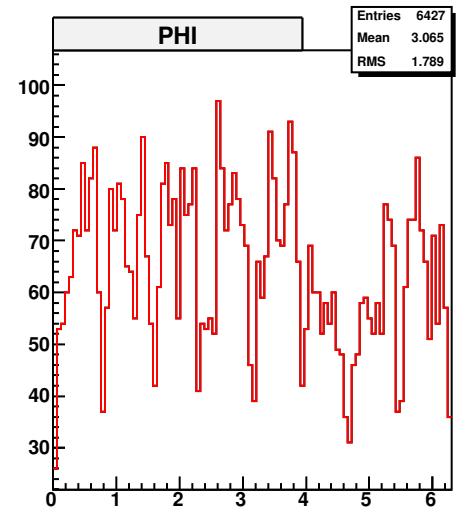


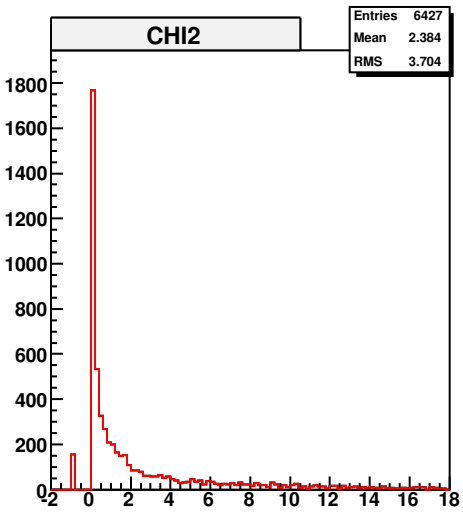
Muon Local Tracks (LooseFamus)

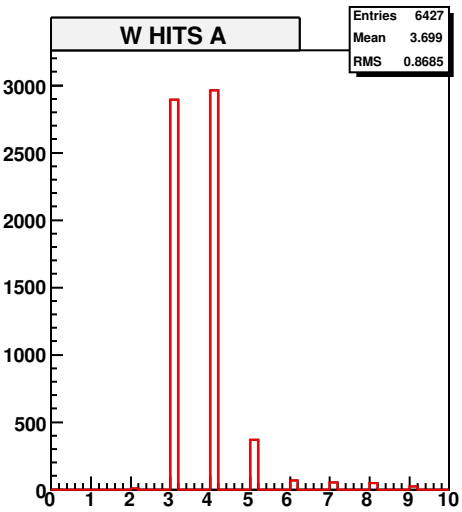


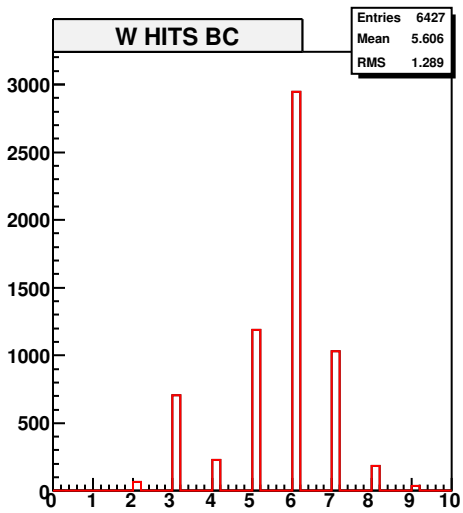


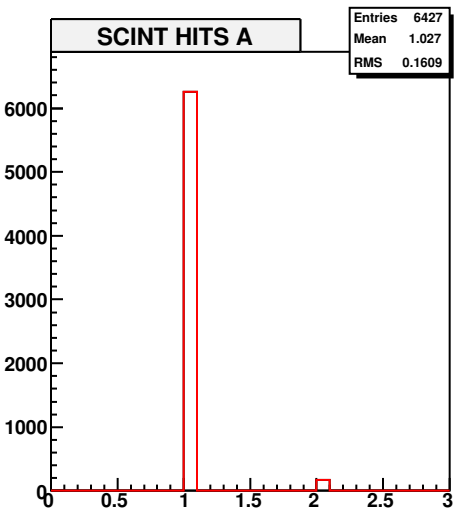


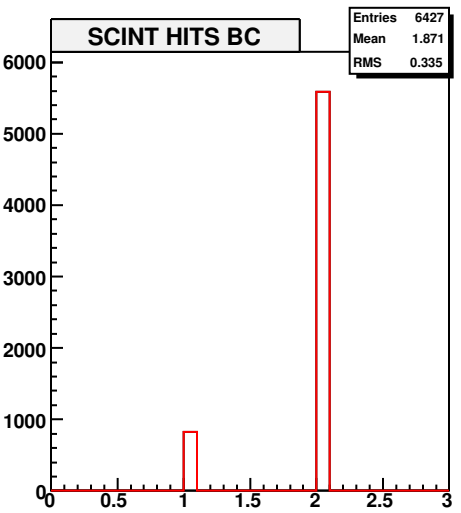




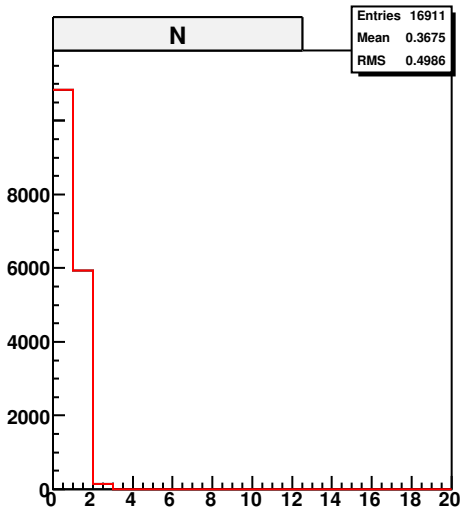


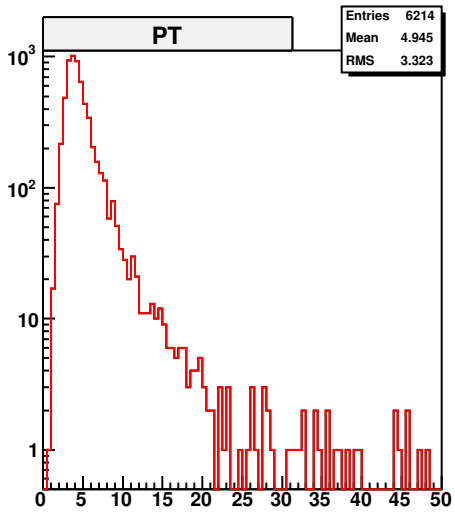


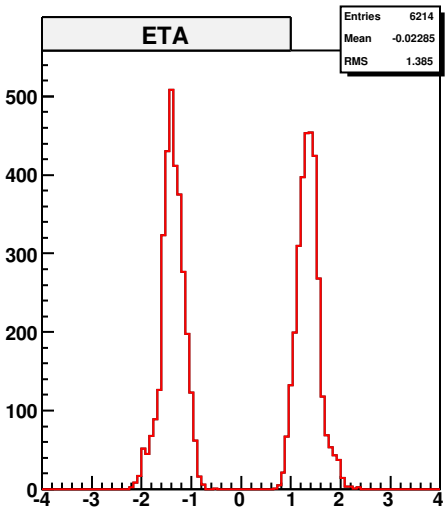


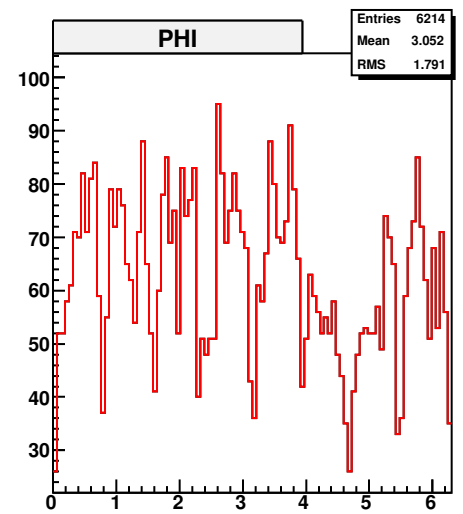


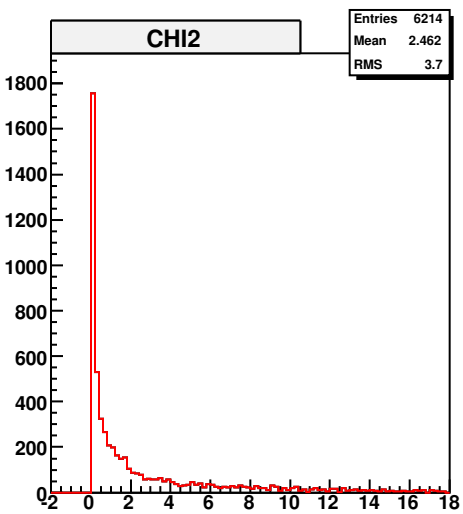
Muon Local Tracks (MediumFamus)

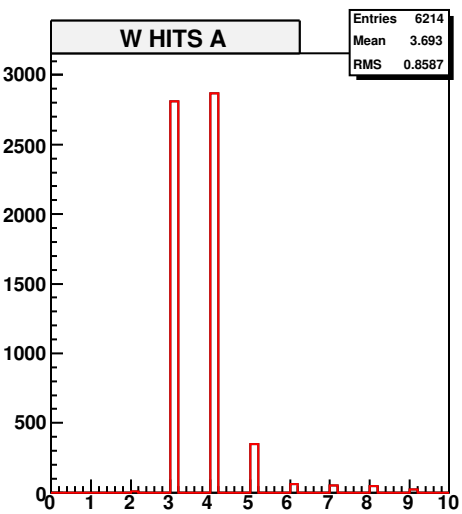


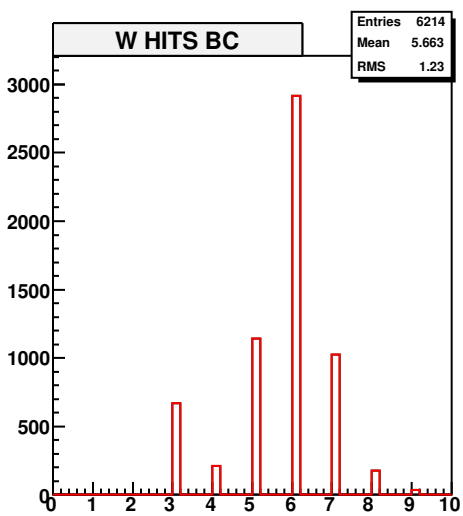


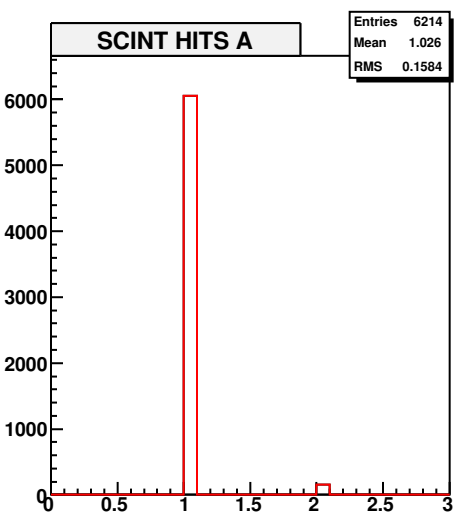


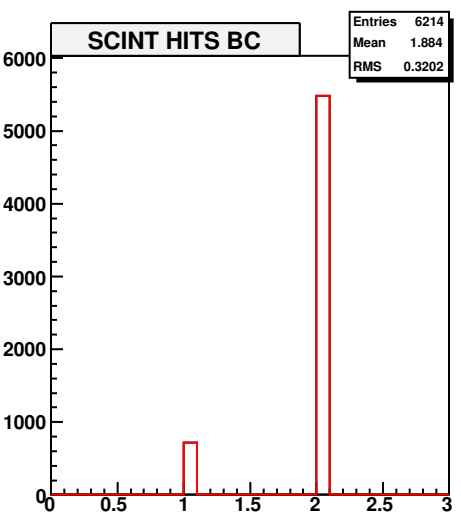




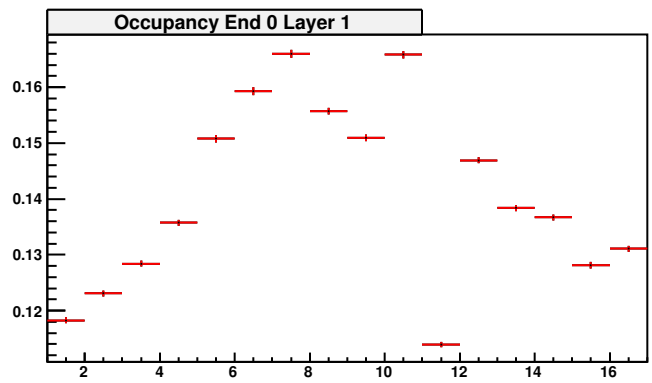


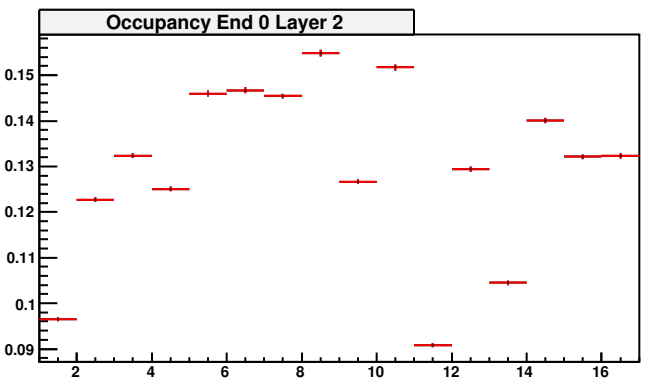


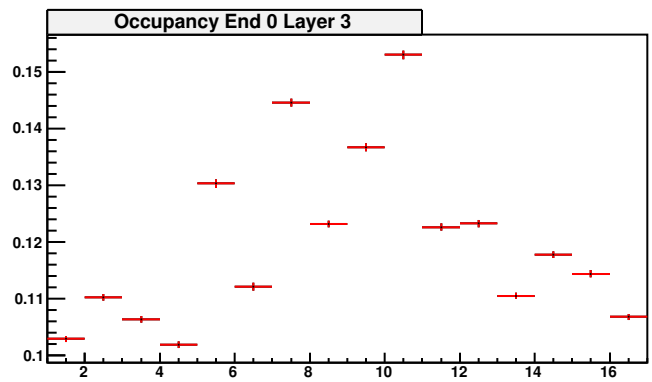


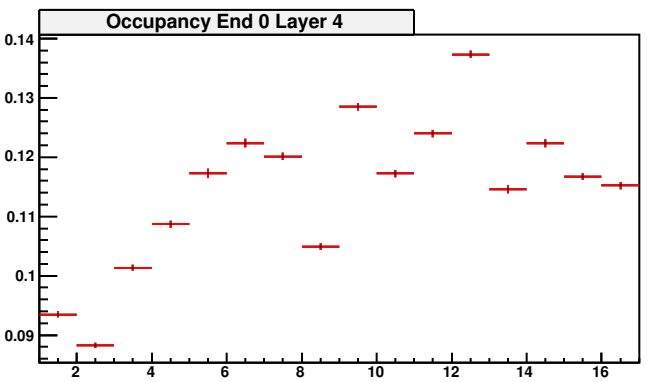


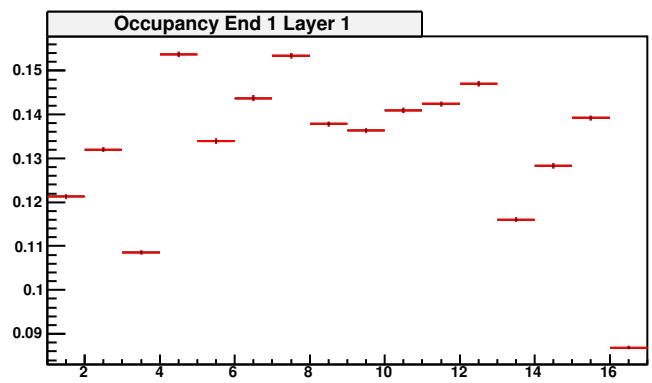
Muon Local Tracks (TightFamus)

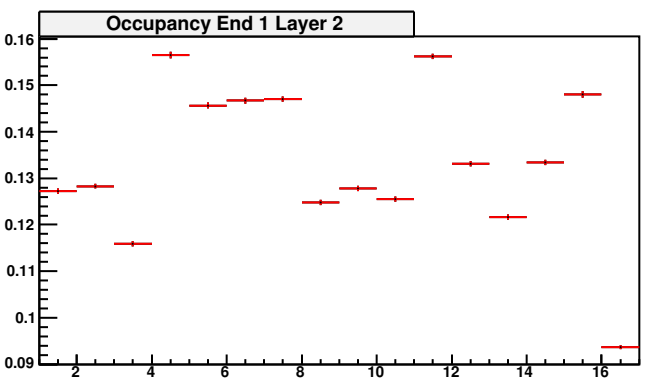


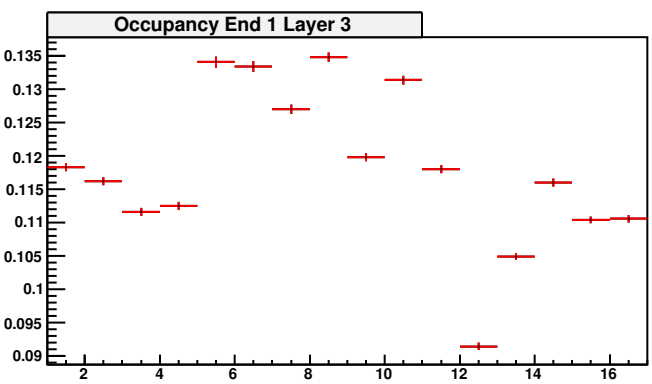


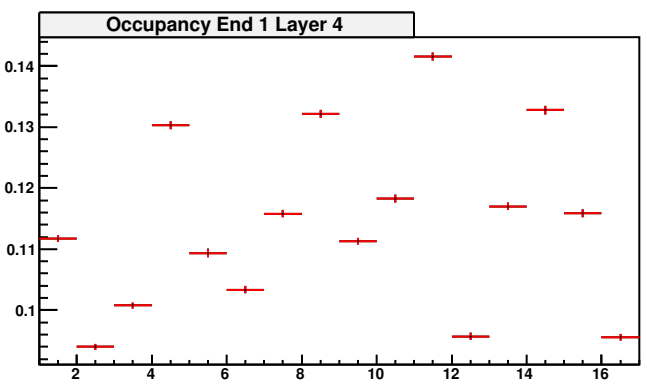




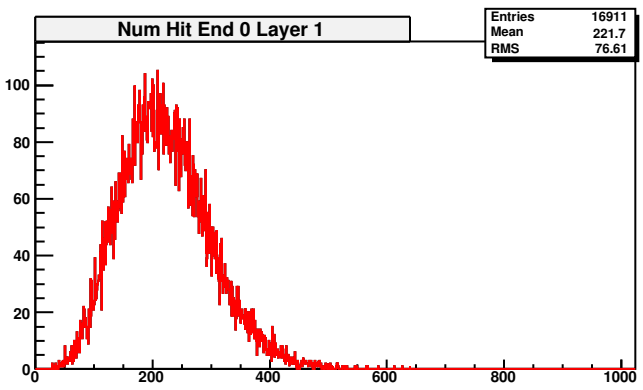


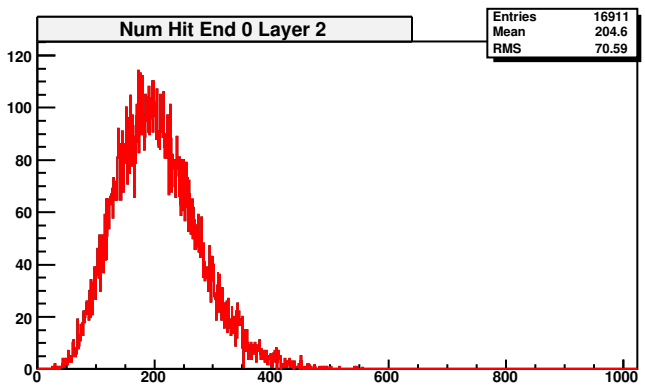


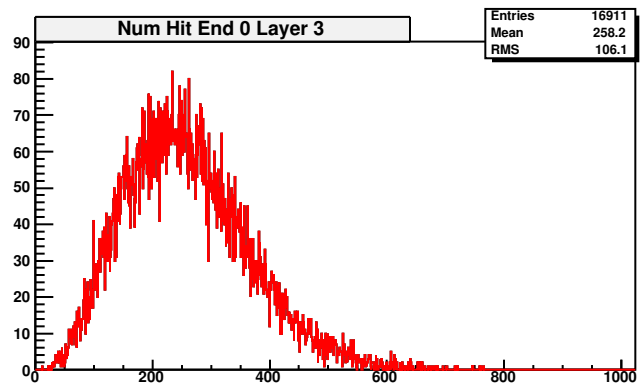


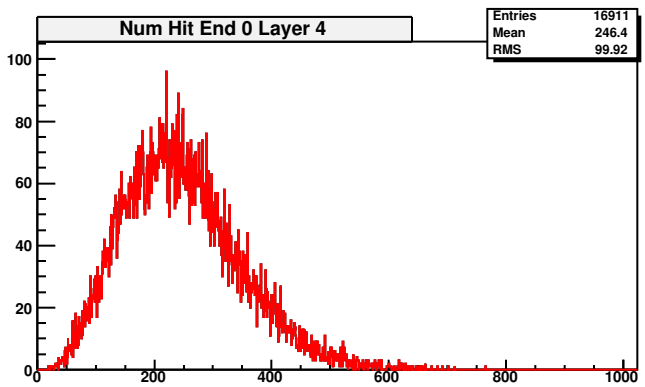


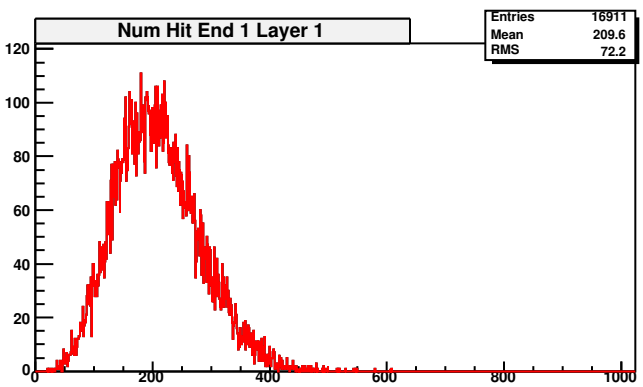
FPS Hit Occupancy (All)

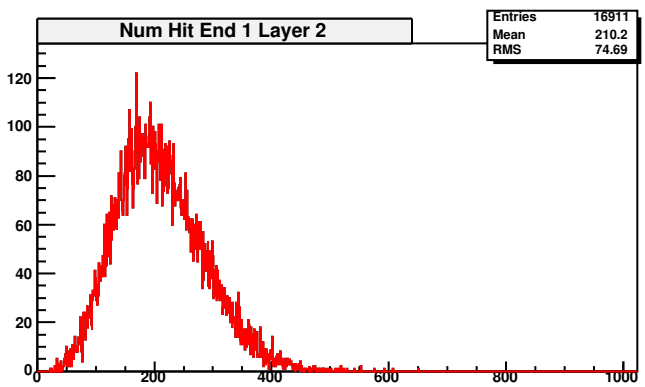


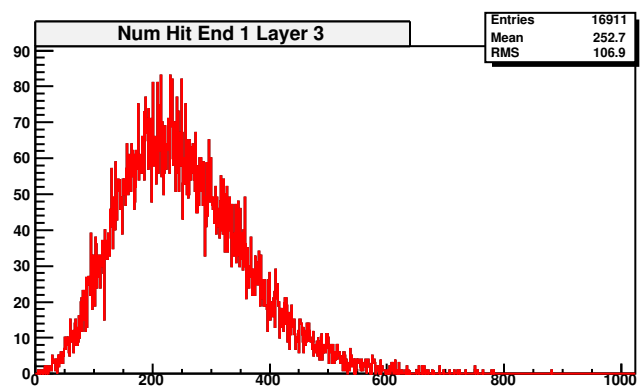


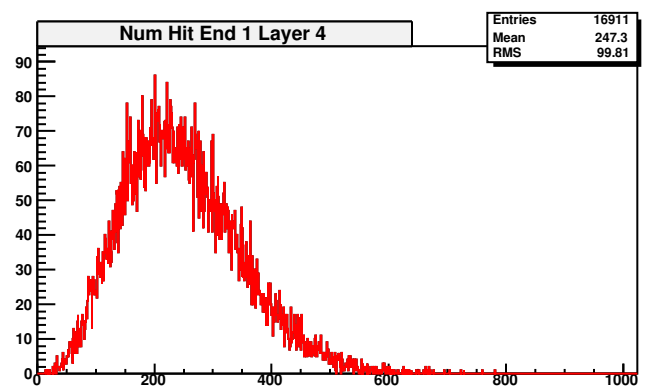




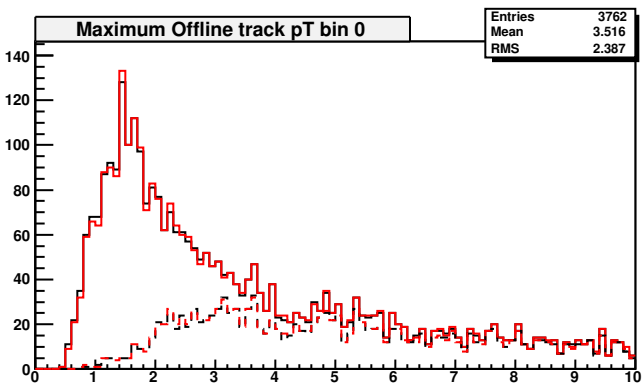


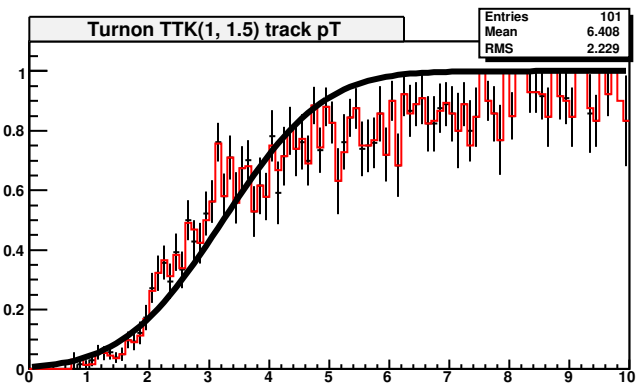


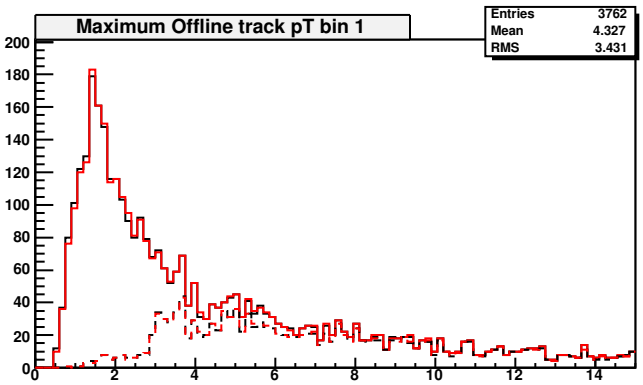


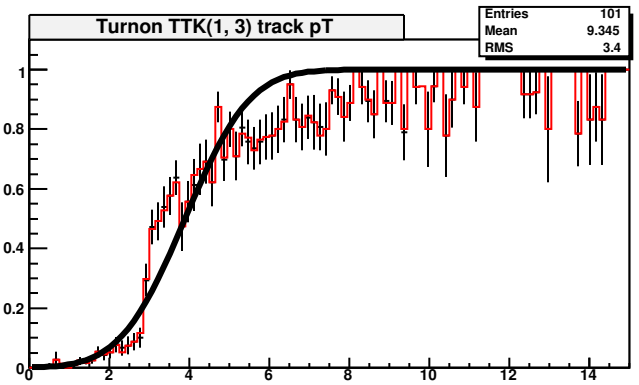


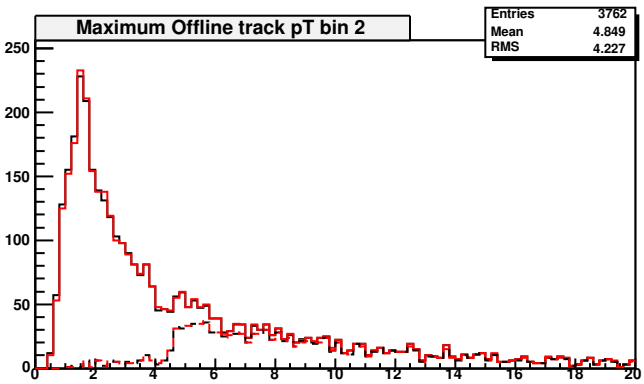
FPS Number of Hits (All)

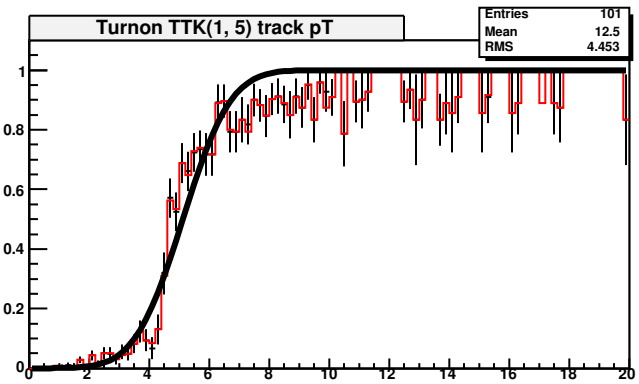


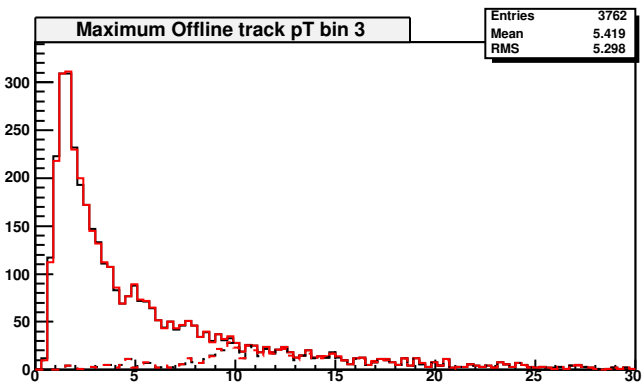


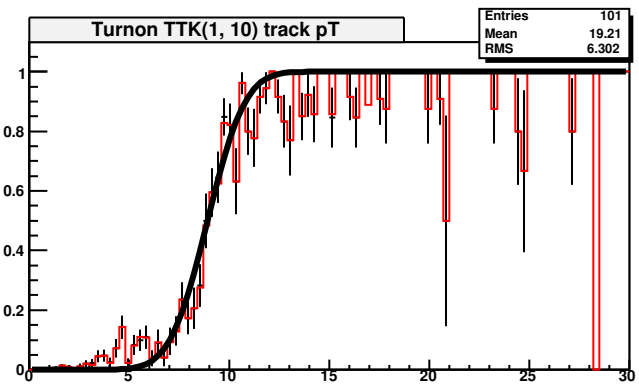




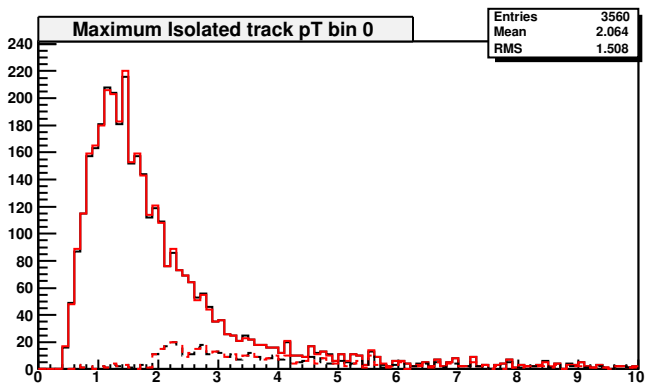


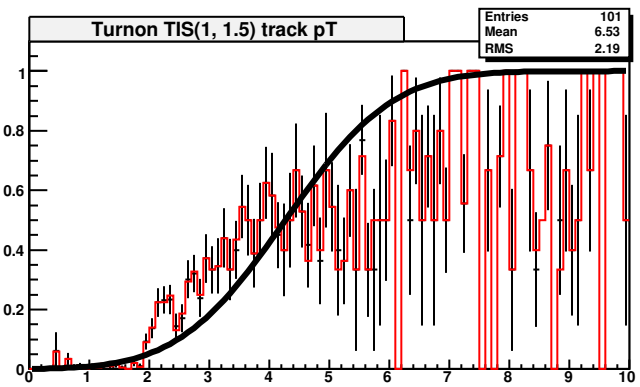


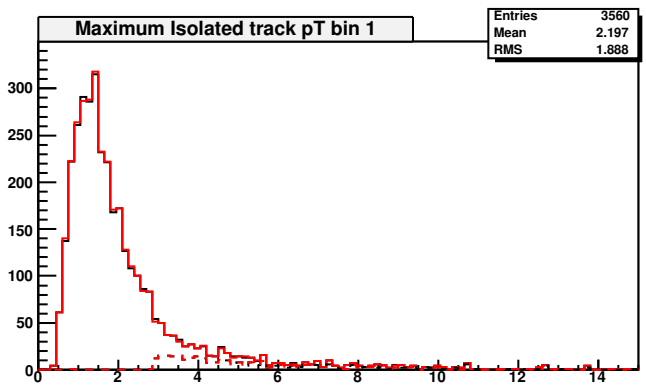


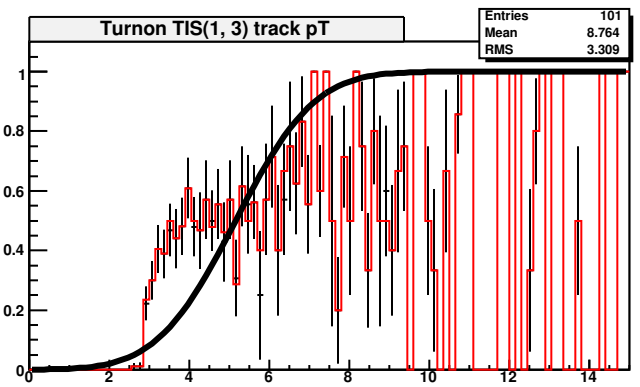


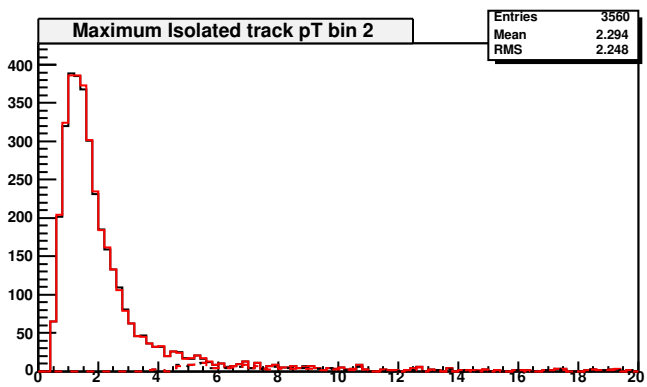
TTK Turnon curves (L1CTT All)

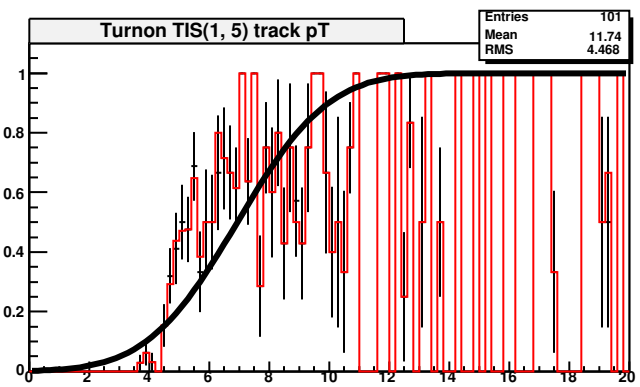


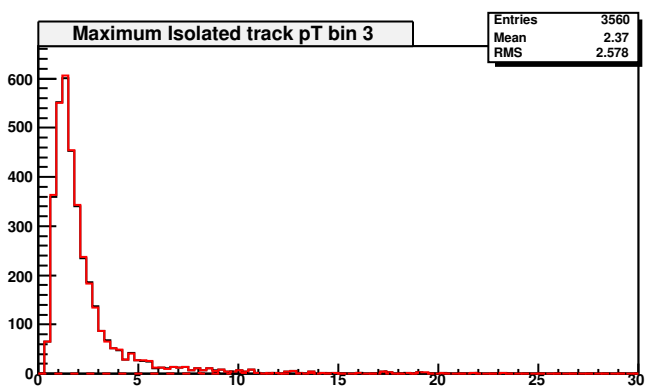


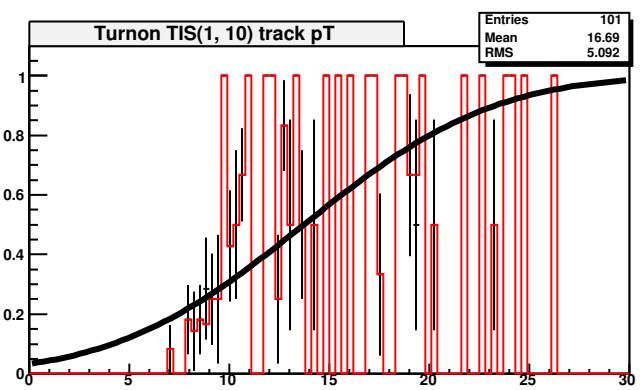




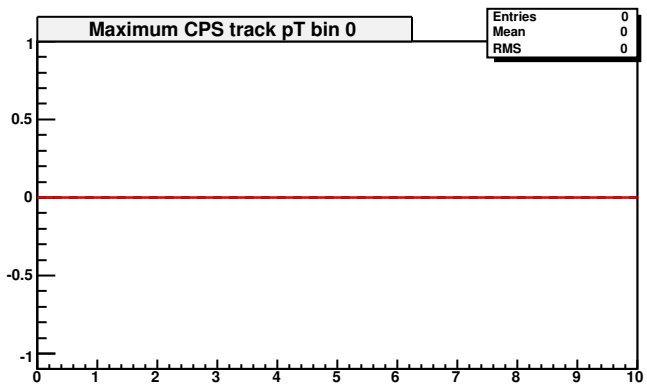


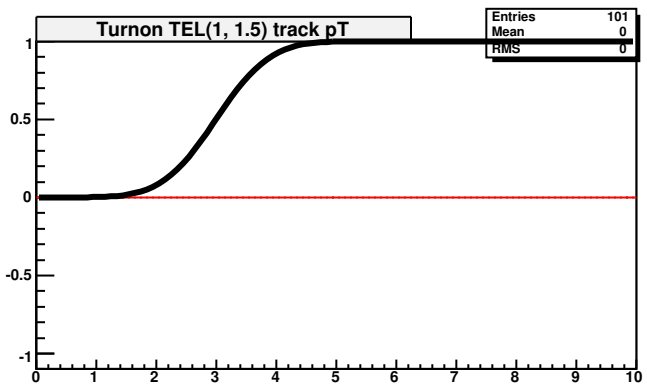


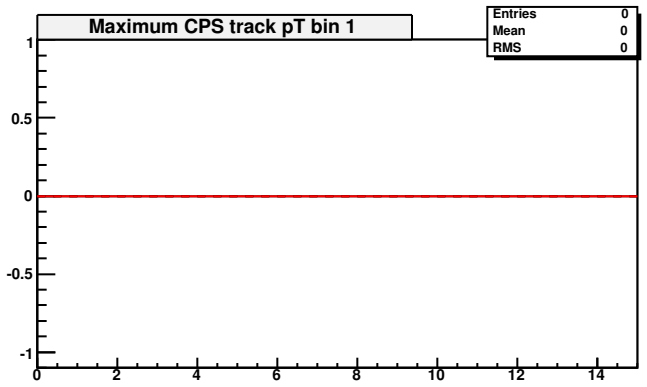


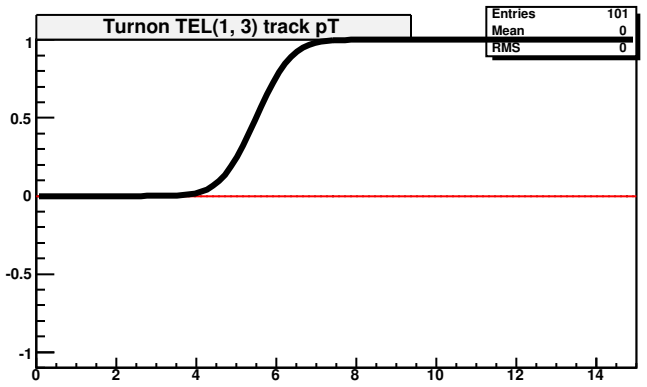


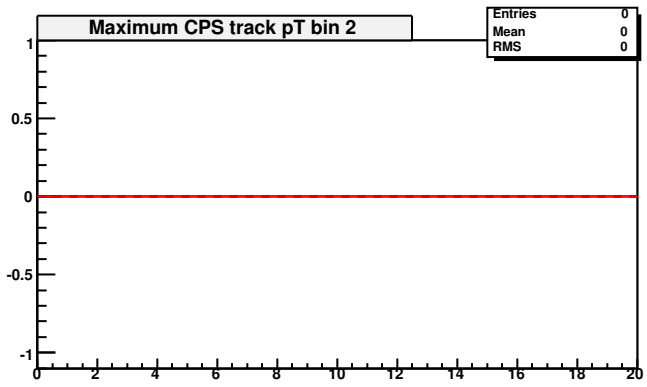
TIS Turnon curves (L1CTT All)

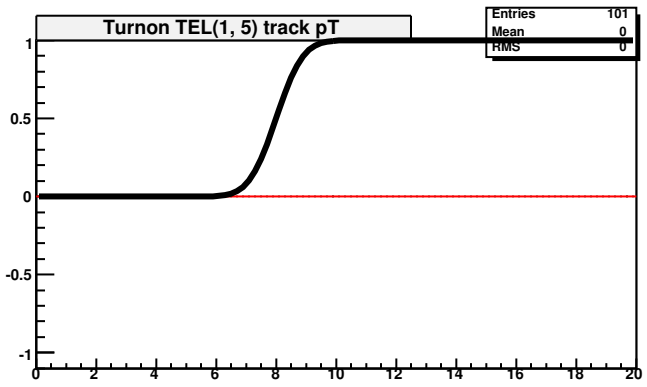


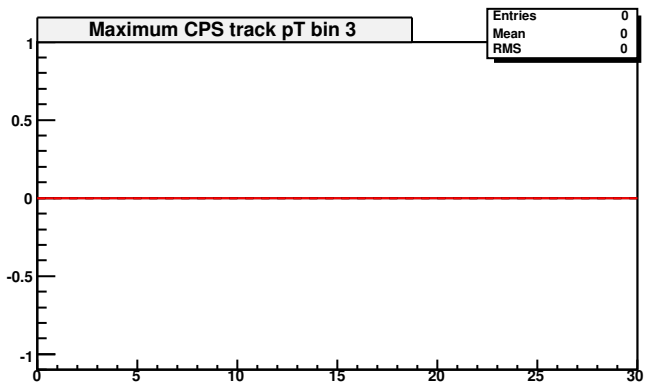


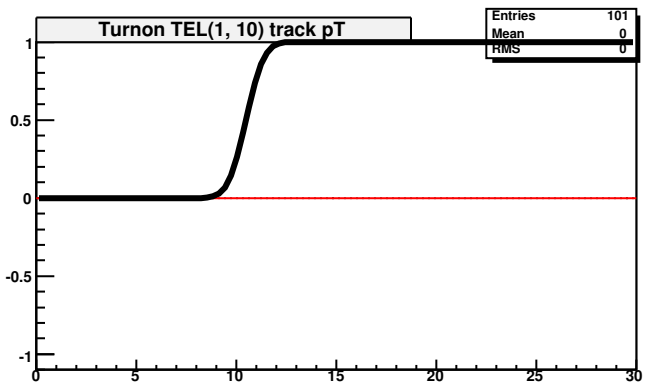




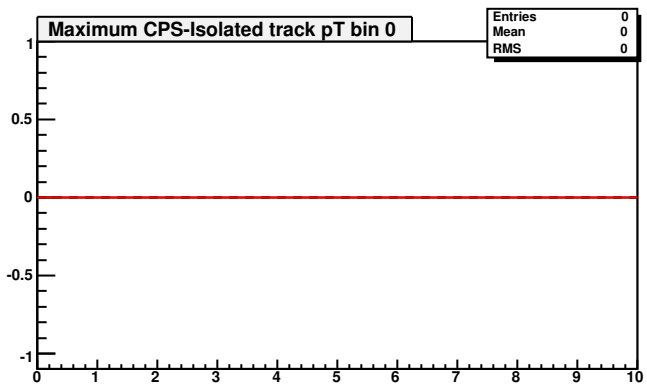


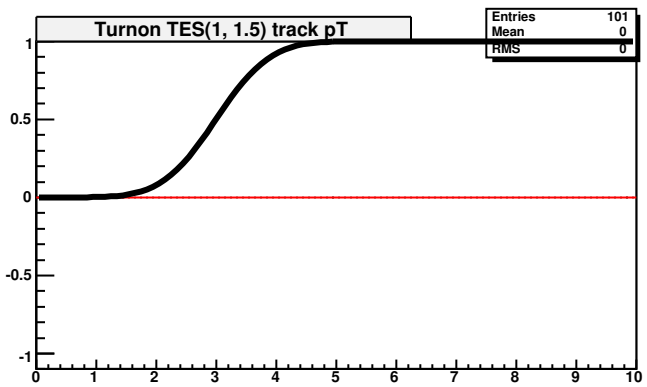


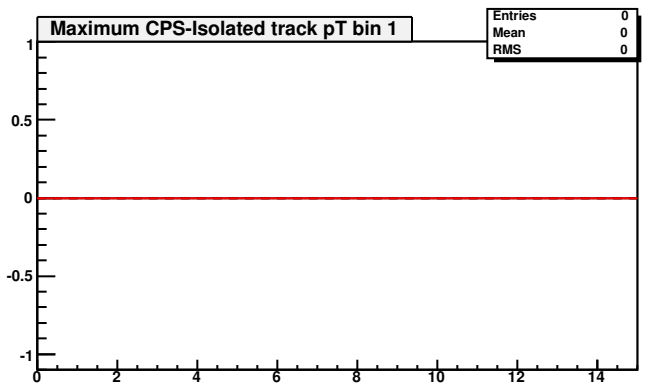


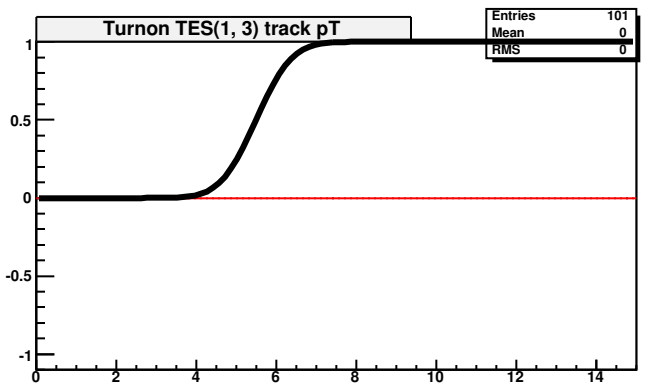


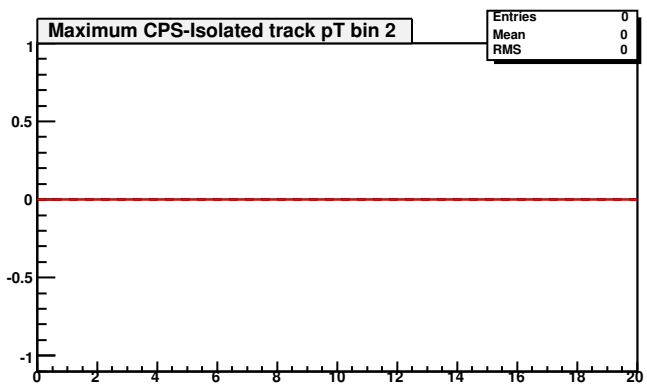
TEL Turnon curves (L1CTT All)

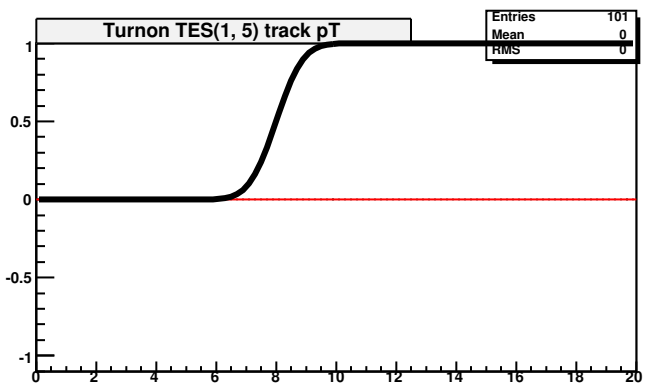


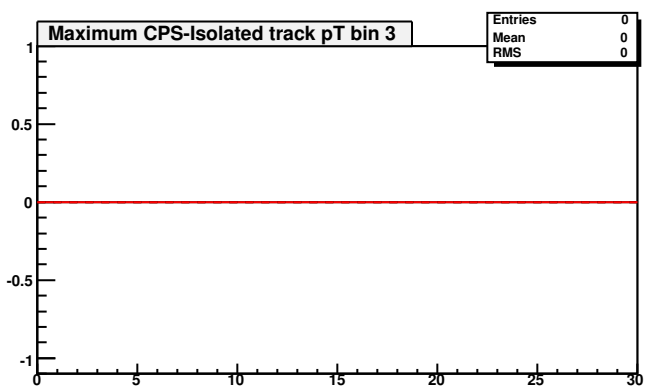


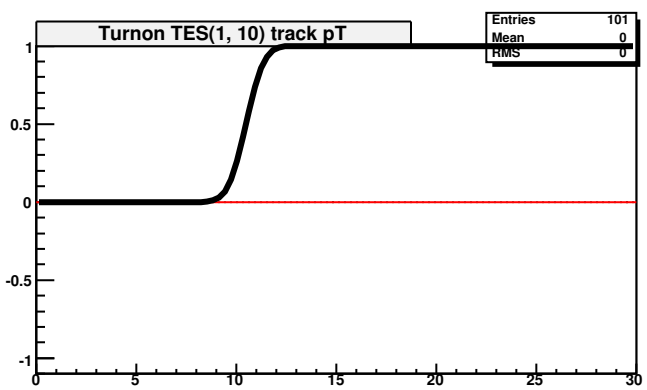




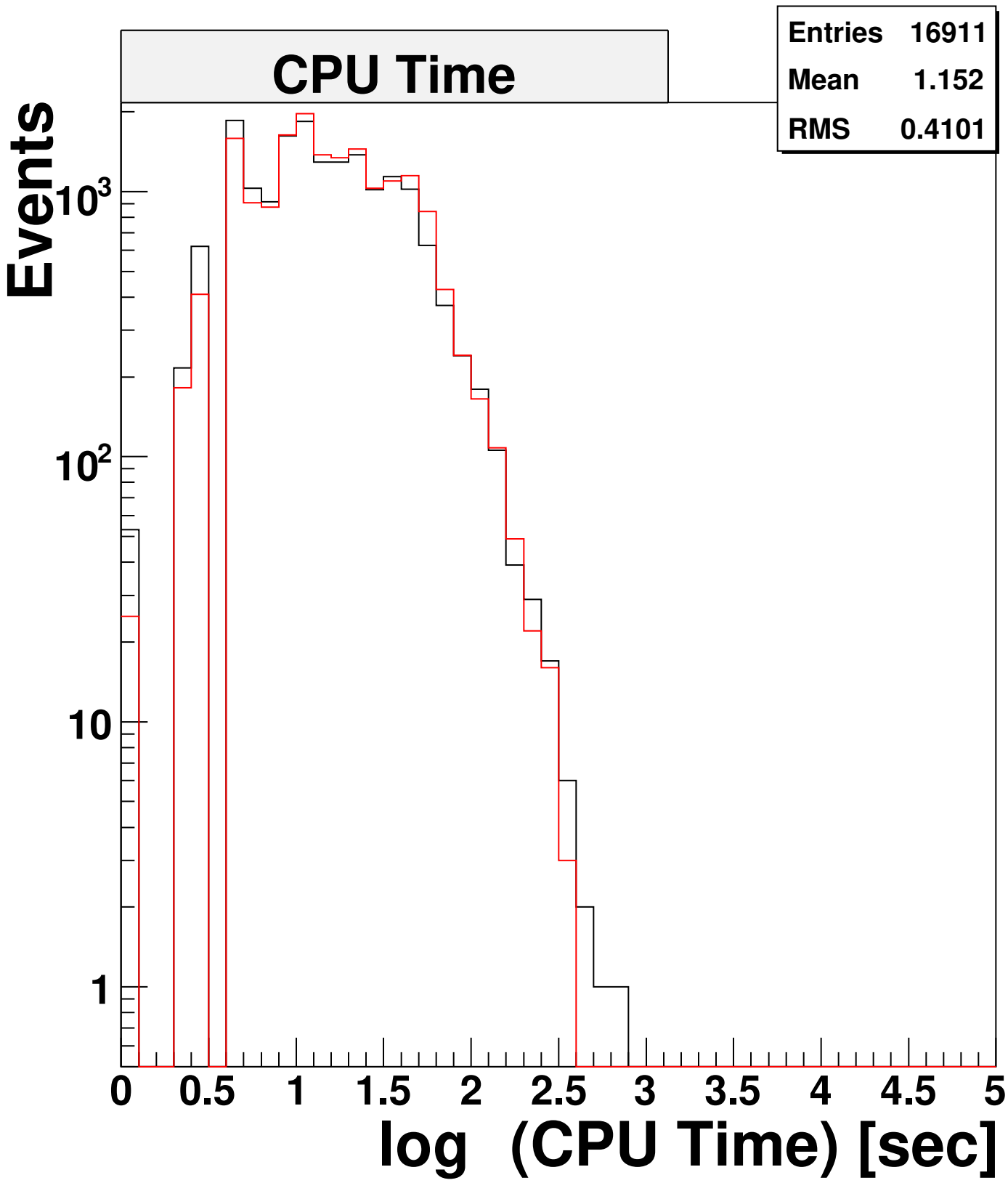








TES Turnon curves (L1CTT All)



RECO Performance (Timing)