p200801_r234802_014.root
p2010_r234802_014.root

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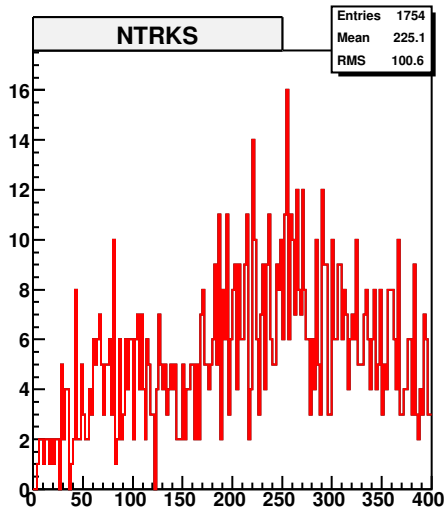
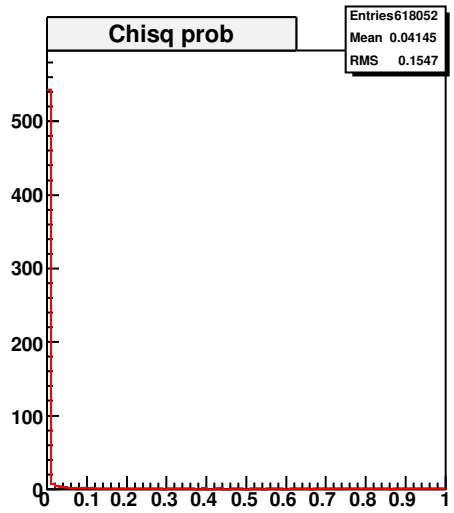
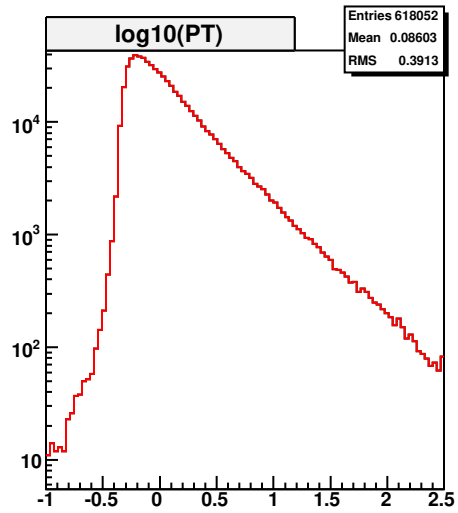
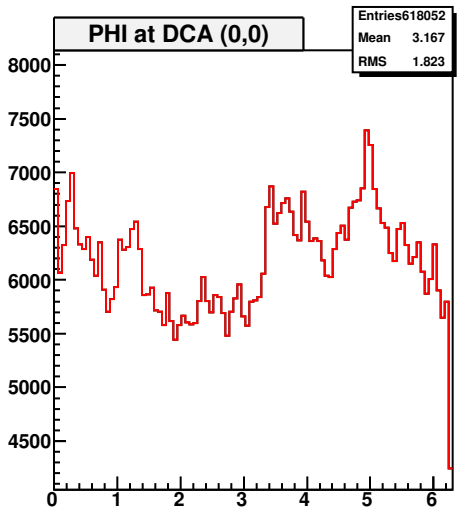
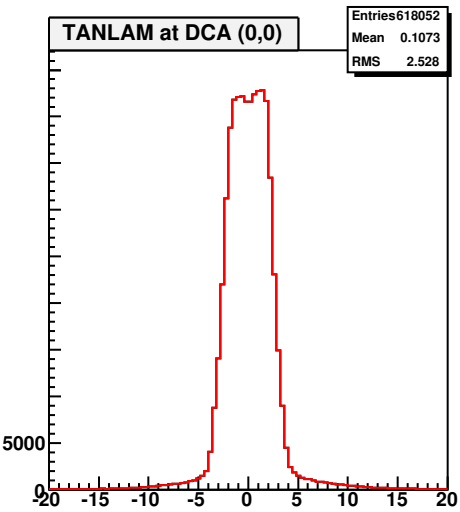
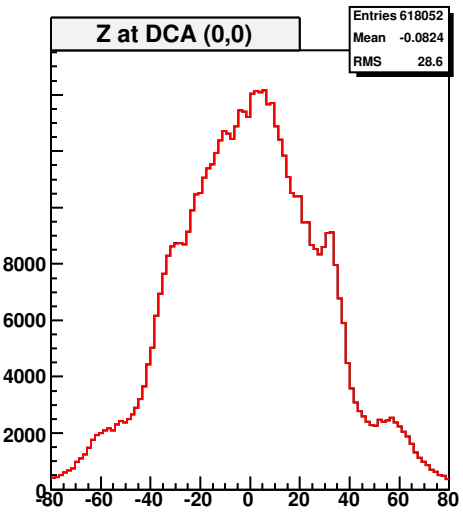

NTRKS
Entries 1754
Mean 225.1
RMS 100.6

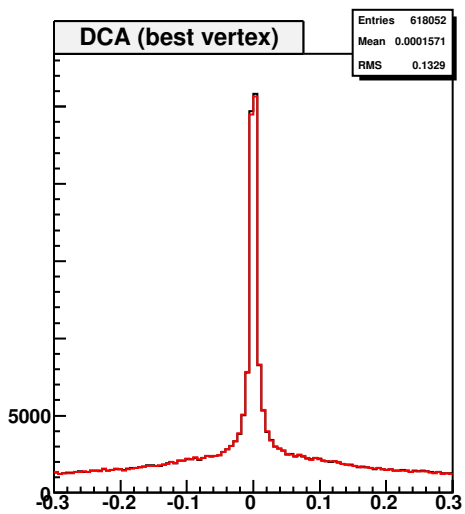

Chisq prob
Entries 618052
Mean 0.04145
RMS 0.1547

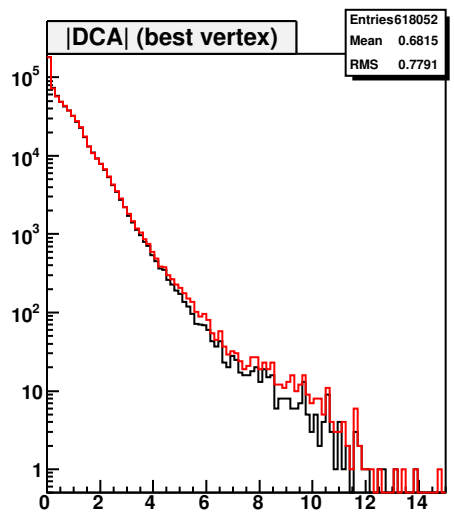

log10(PT)
Entries 618052
Mean 0.08603
RMS 0.3913

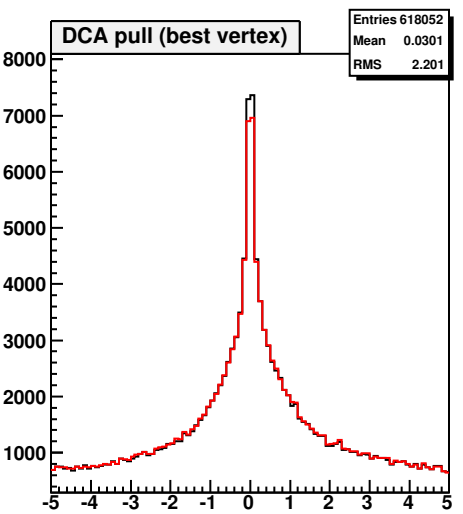

PHI at DCA (0,0)
Entries 618052
Mean 3.167
RMS 1.823


TANLAM at DCA (0,0)
Entries 618052
Mean 0.1073
RMS 2.528

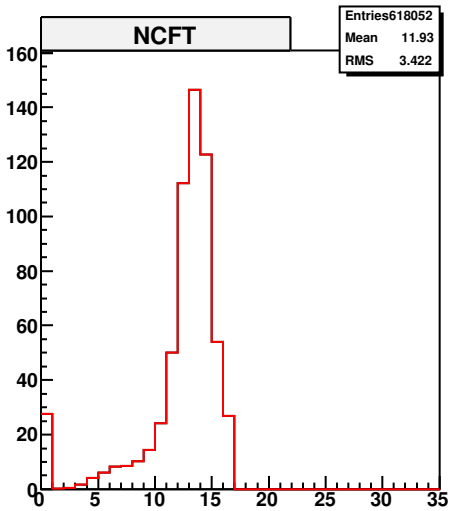

Z at DCA (0,0)
Entries 618052
Mean -0.0824
RMS 28.6

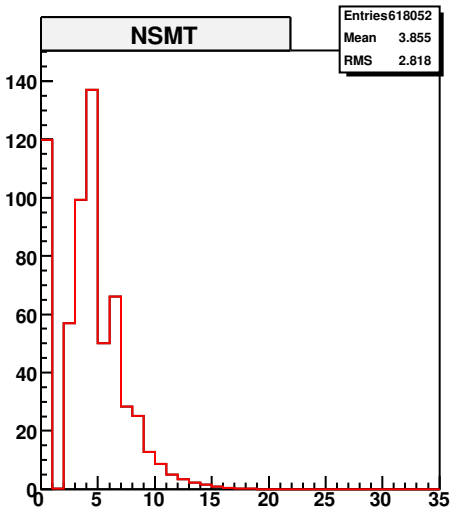

DCA (best vertex)
Entries 618052
Mean 0.0001571
RMS 0.1329

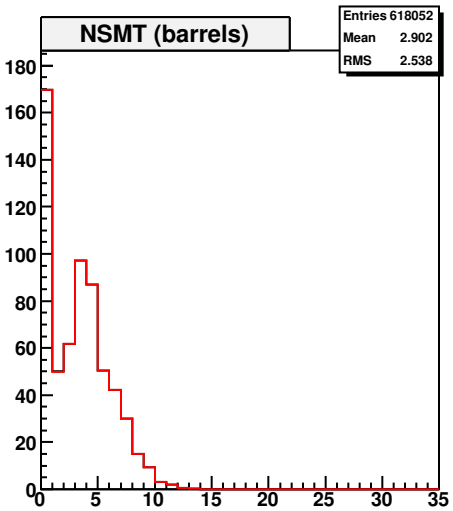

|DCA| (best vertex)
Entries 618052
Mean 0.6815
RMS 0.7791

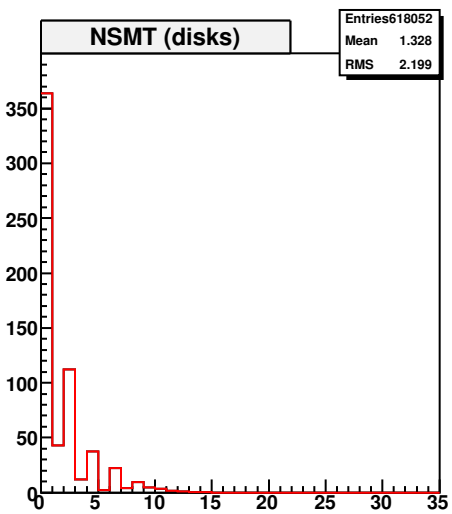

DCA pull (best vertex)
Entries 618052
Mean 0.0301
RMS 2.201

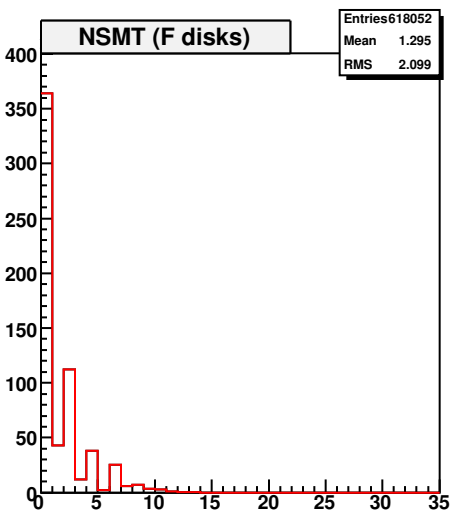
Tracks (All)

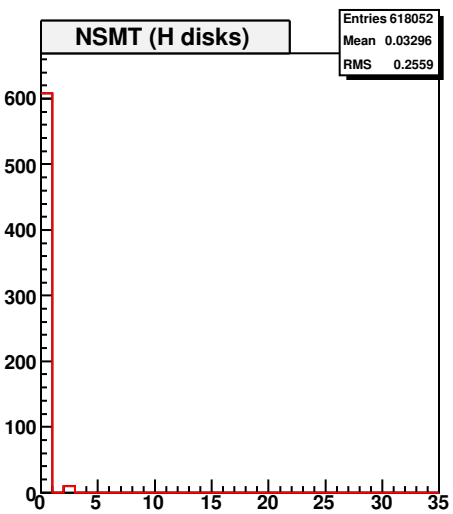


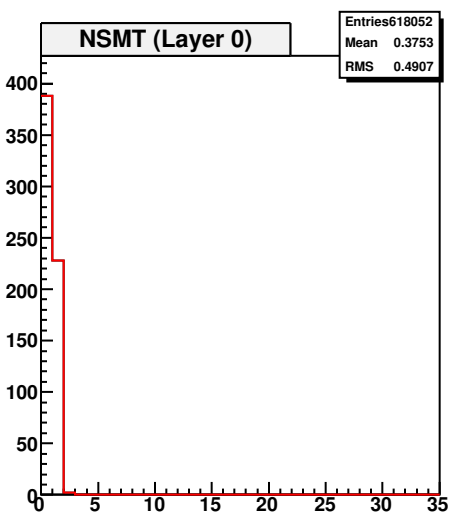




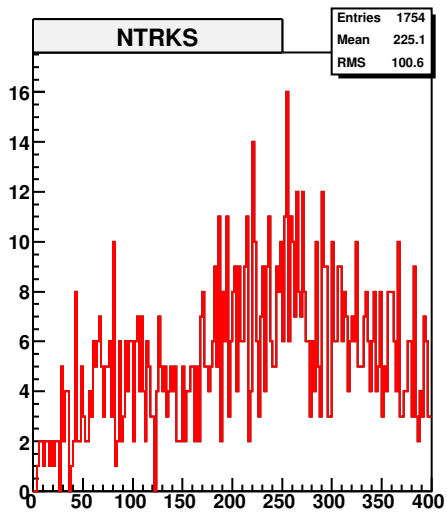


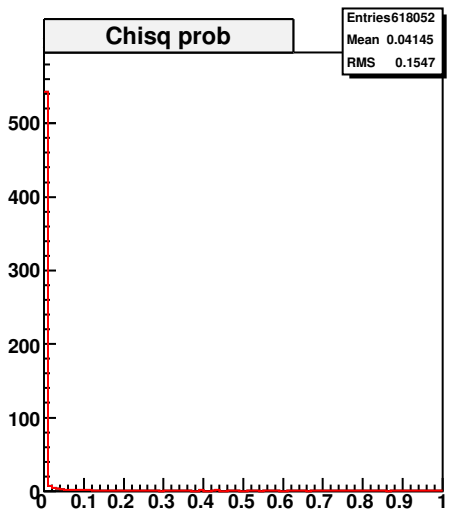


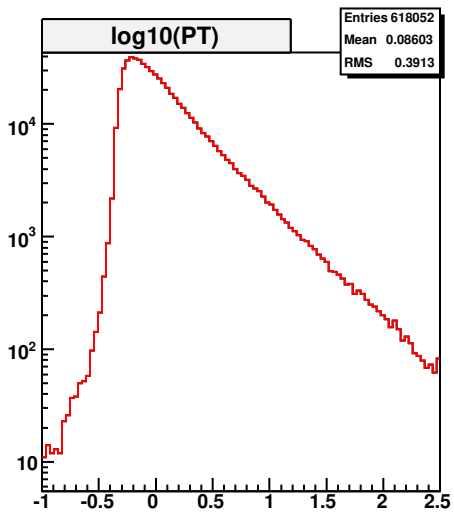


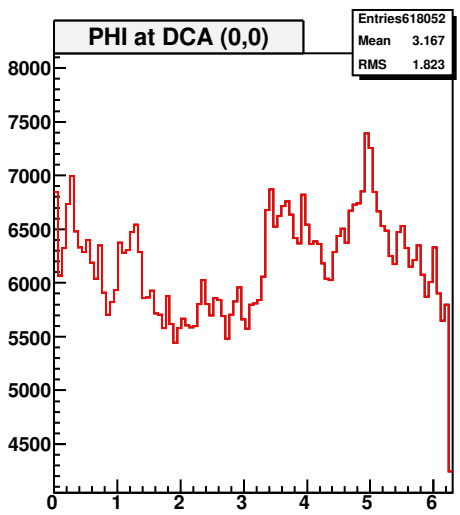


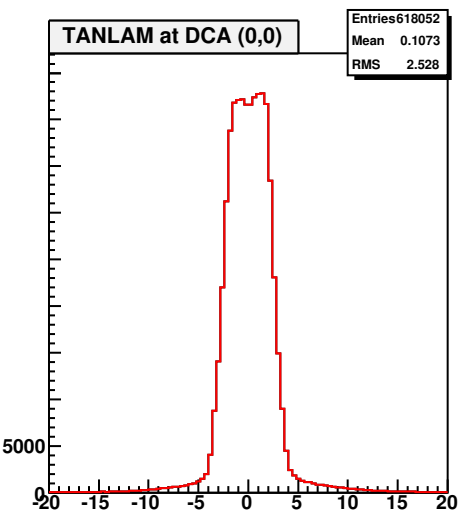
Track Hits (All)

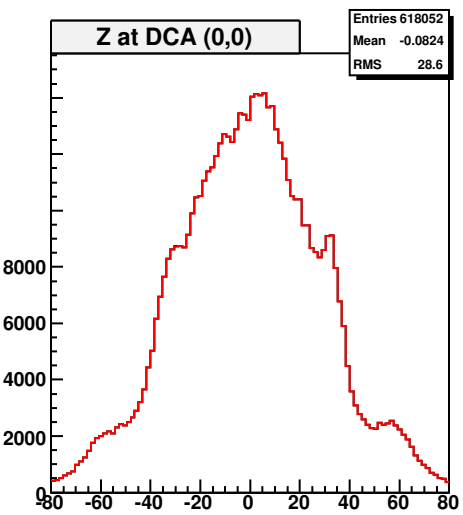


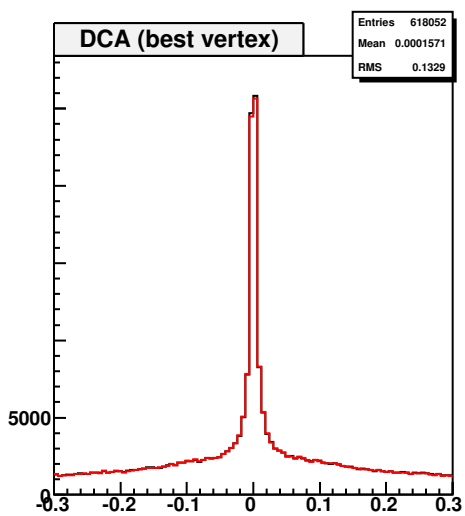


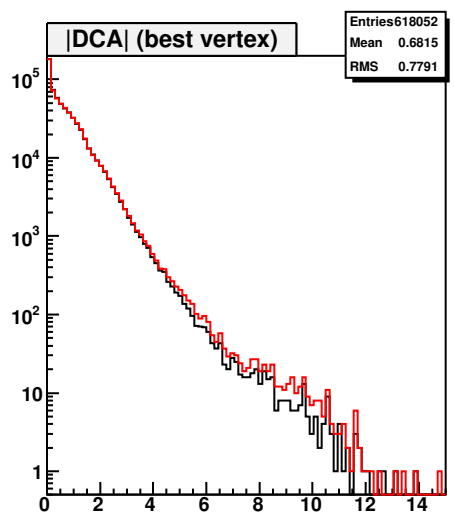


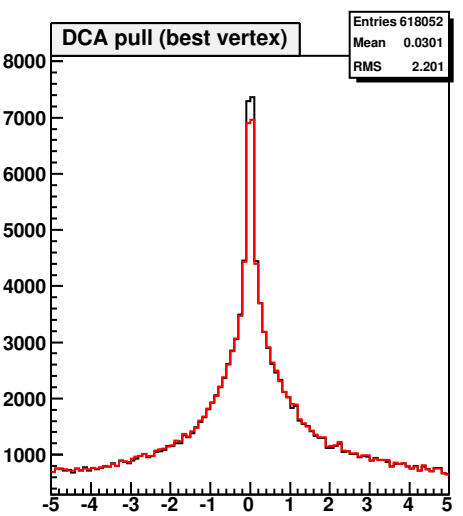




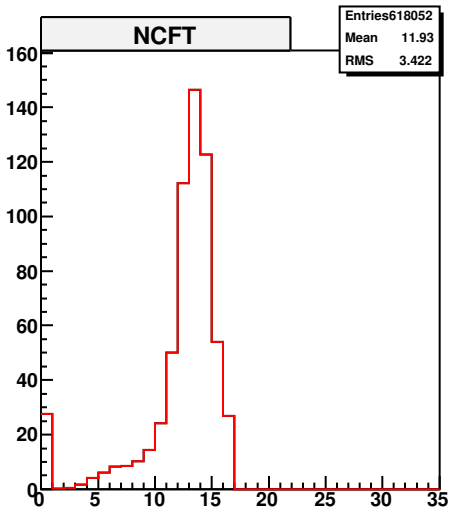


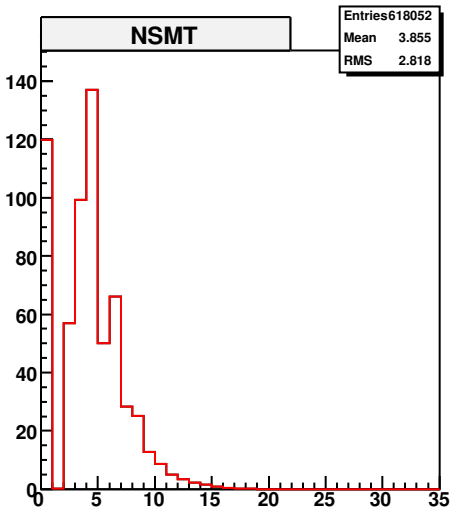


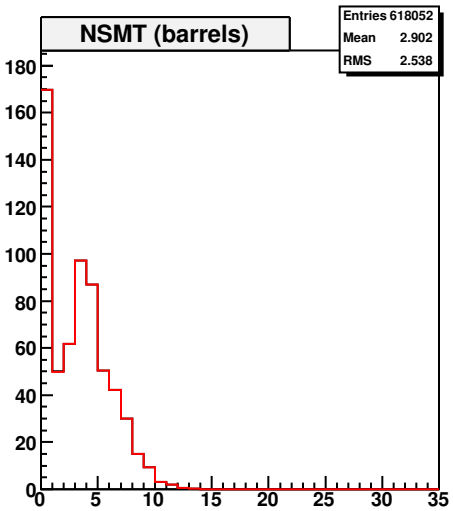


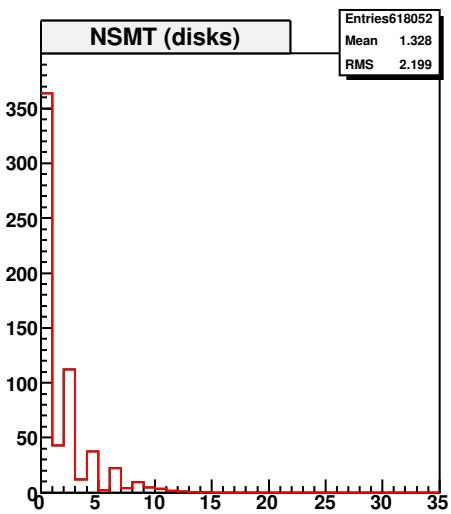


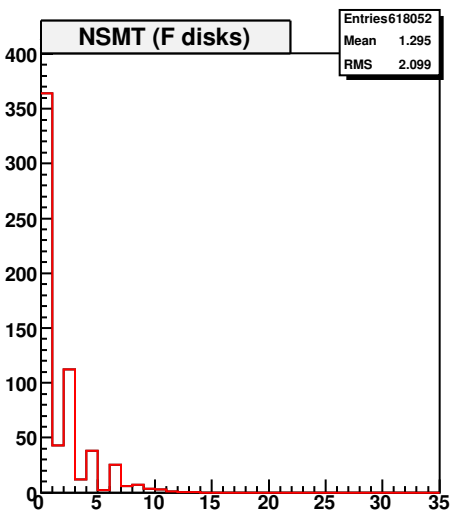
Tracks (Tight)

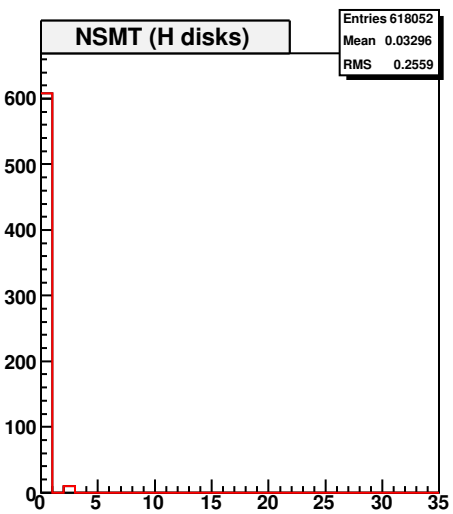


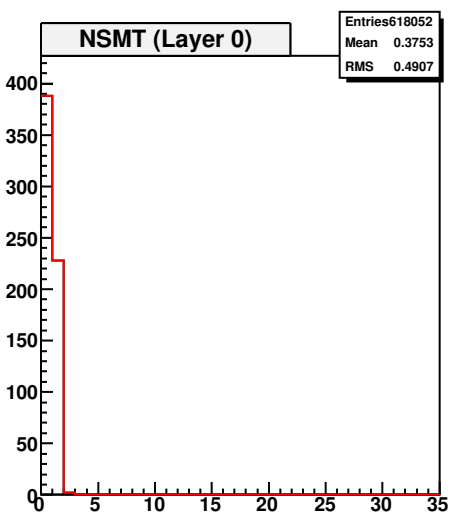




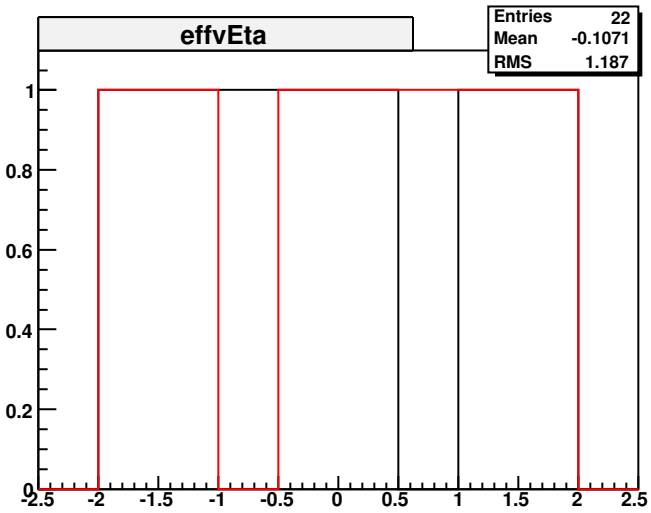


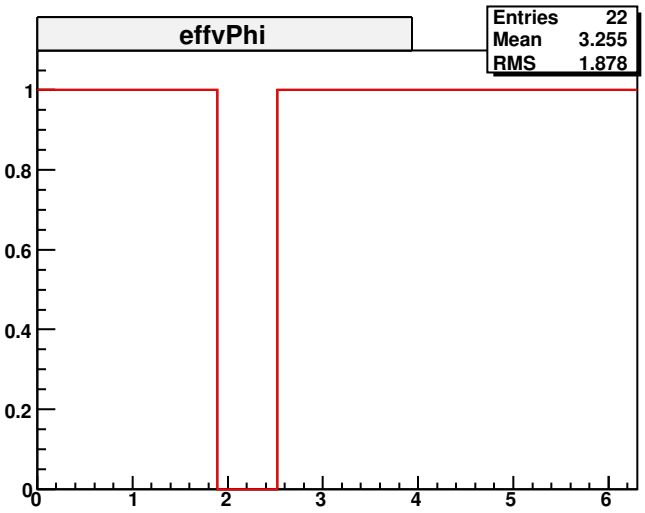


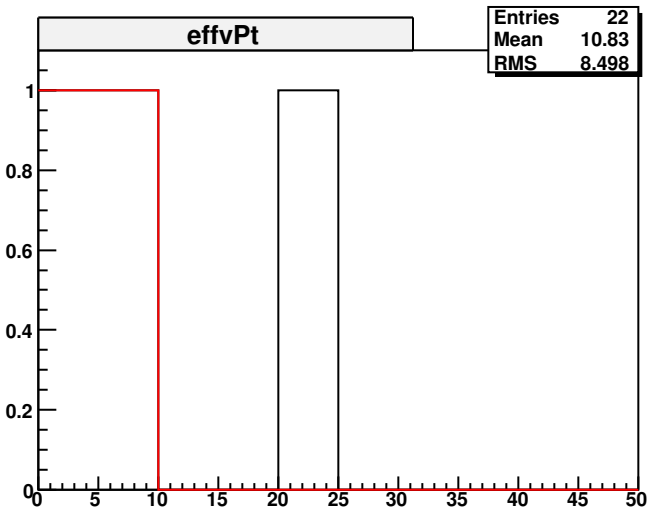


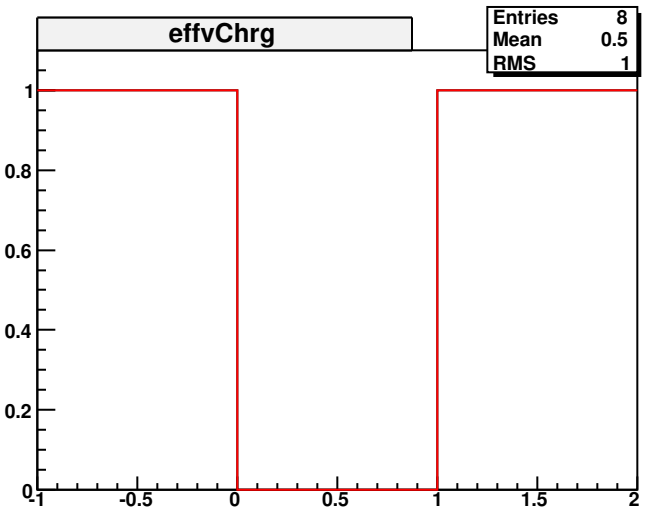


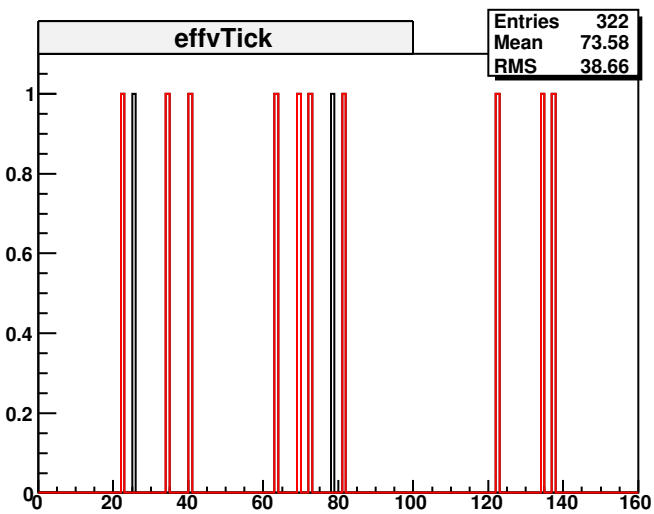
Track Hits (Tight)

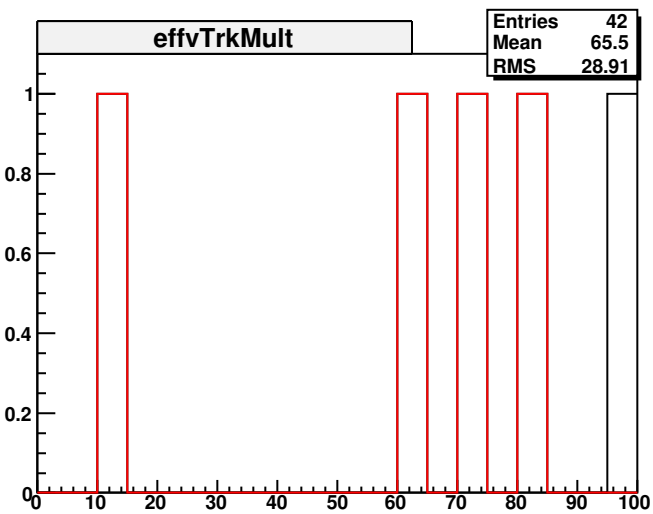




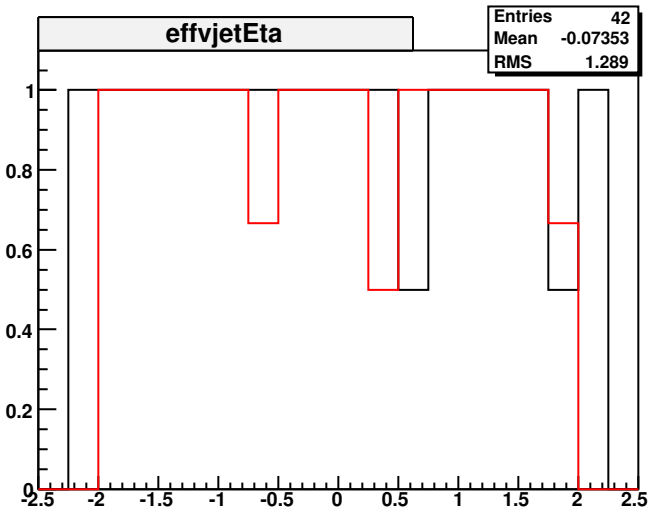


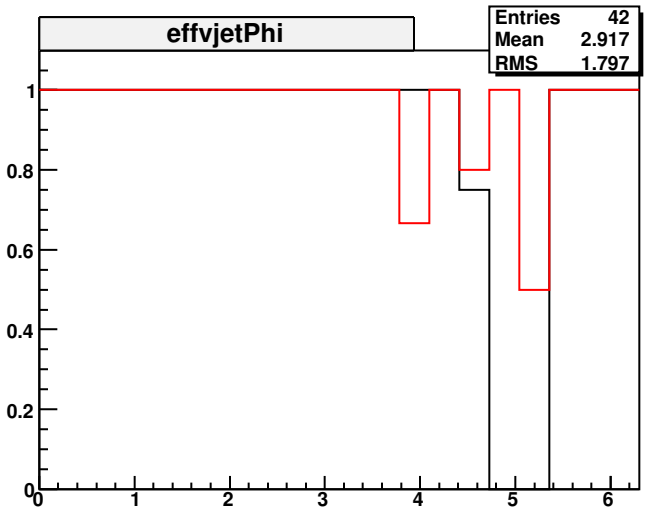


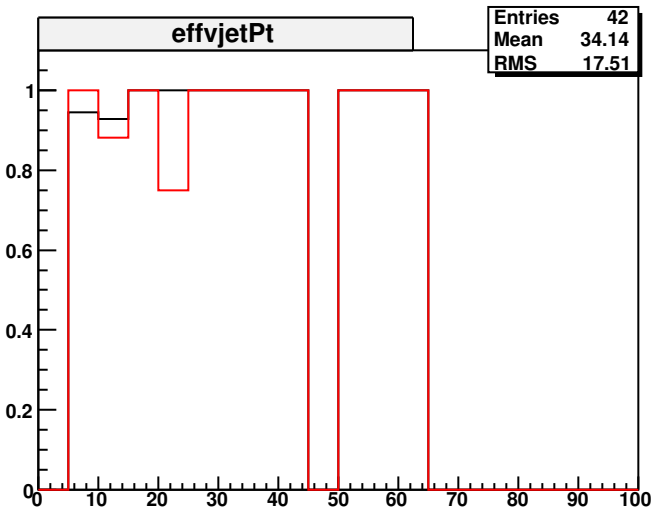




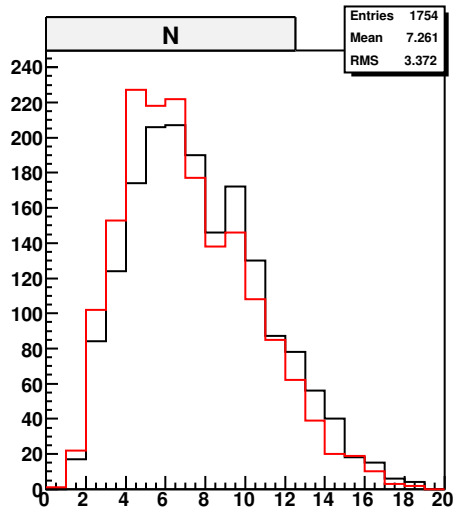
Tracking (Efficiency-Isolated)

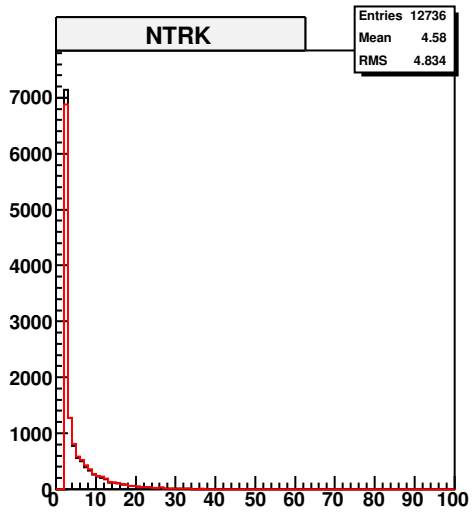


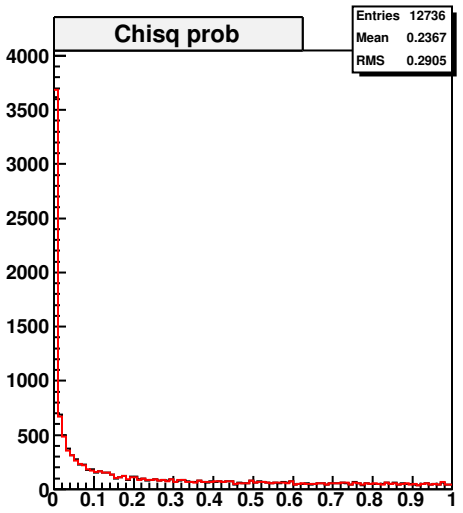


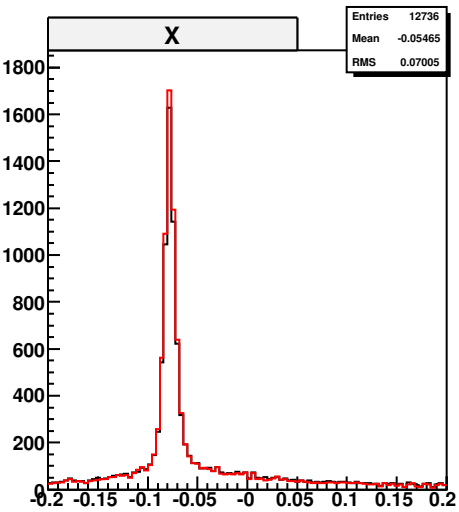


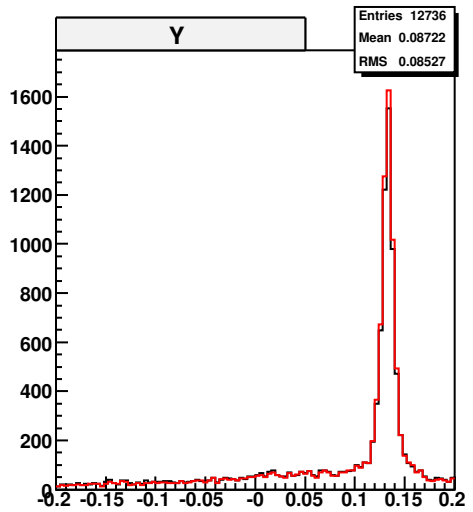
Tracking (Efficiency-InJets)

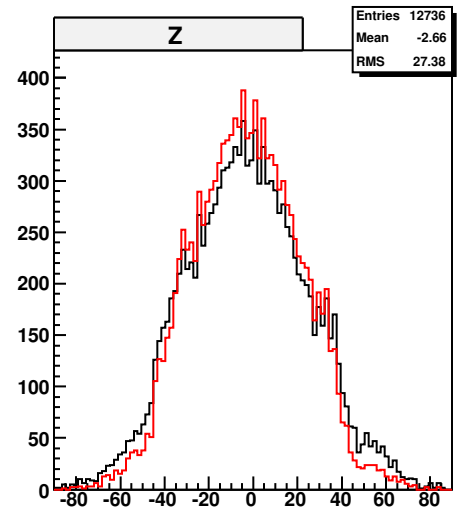


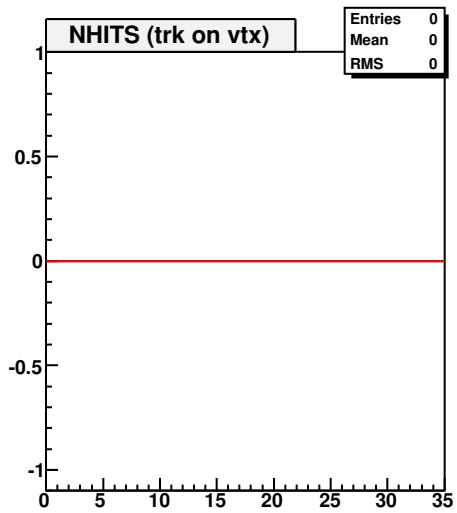


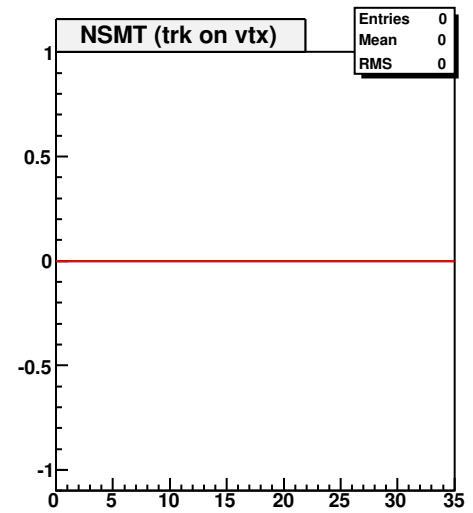


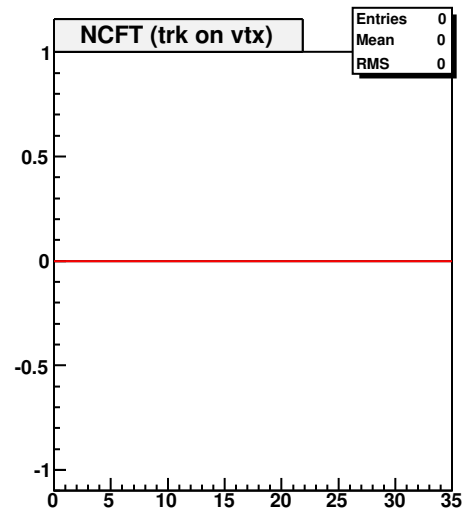




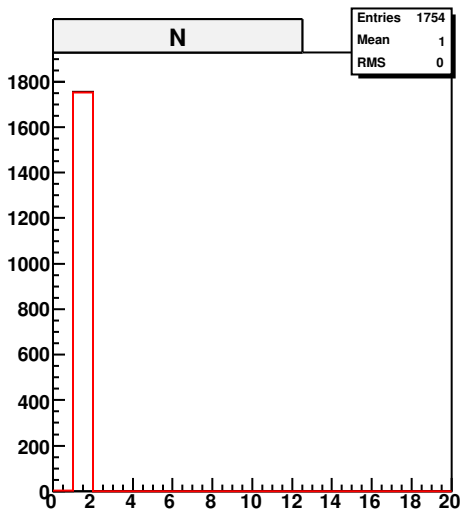


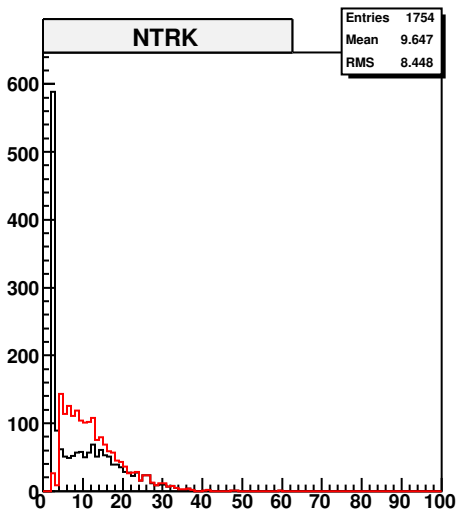


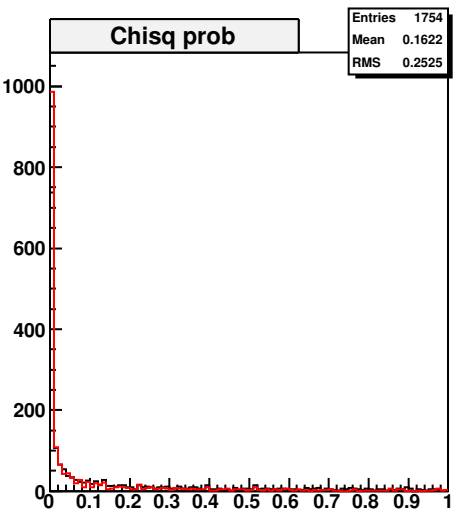


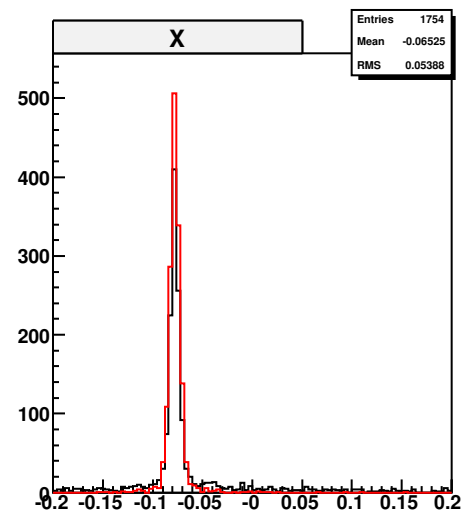


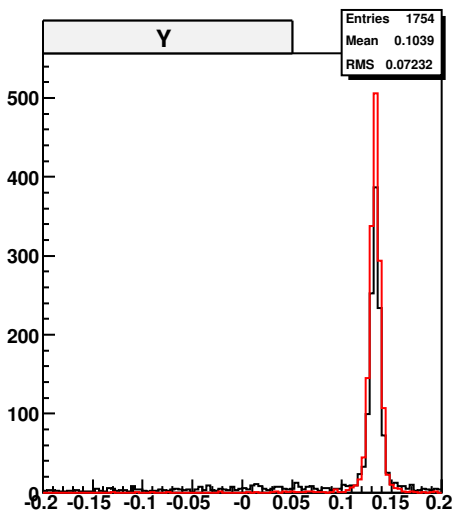
Vertices (Primary - all candidates)

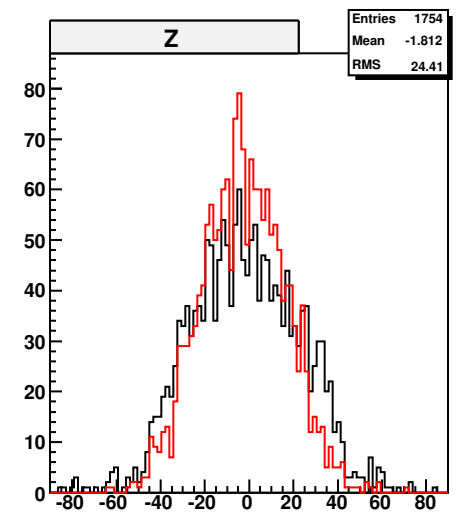


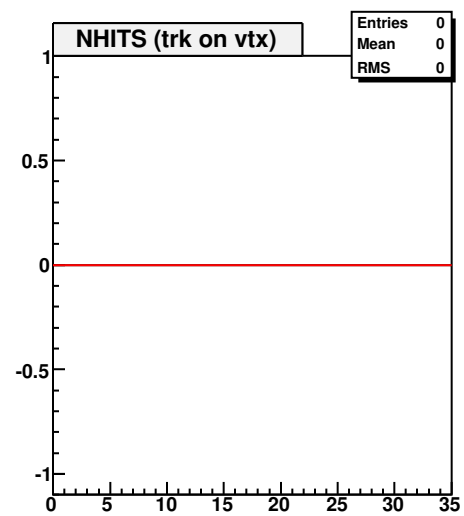


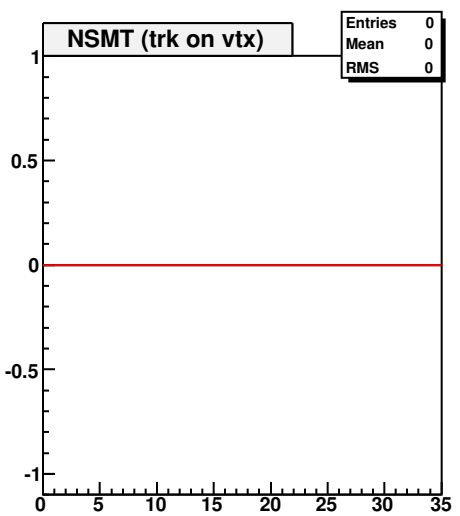


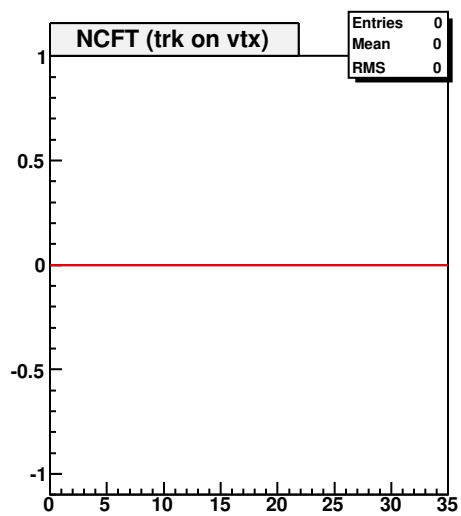




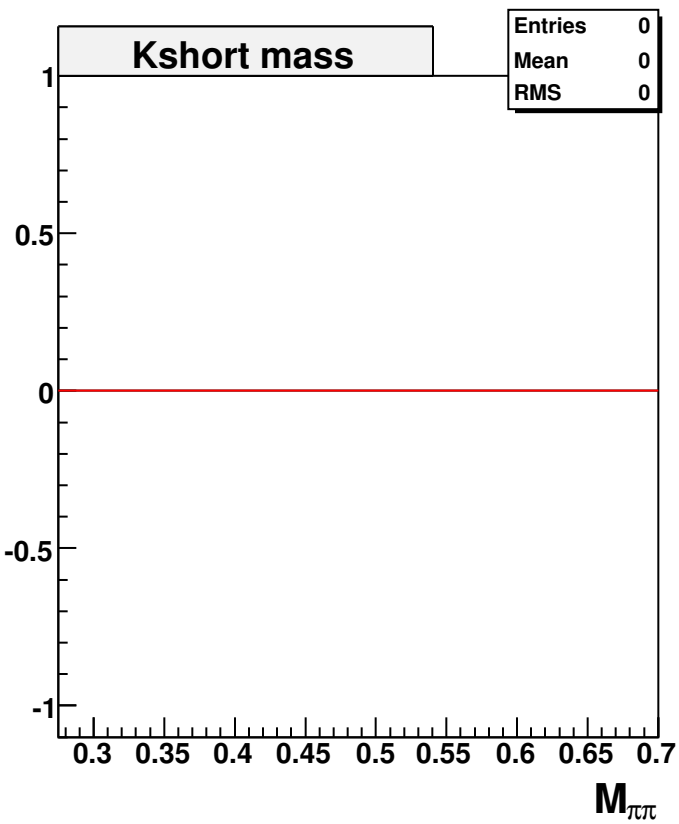


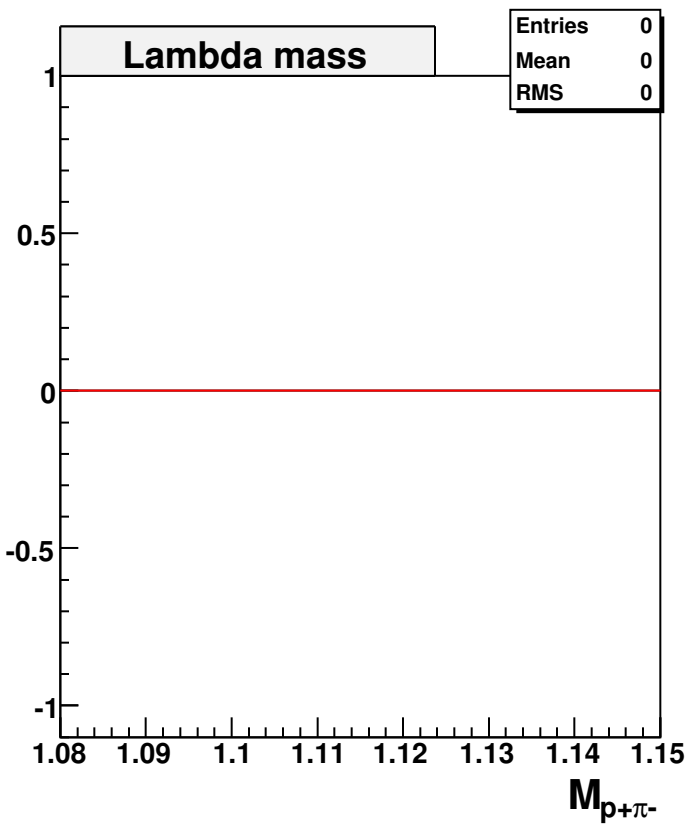


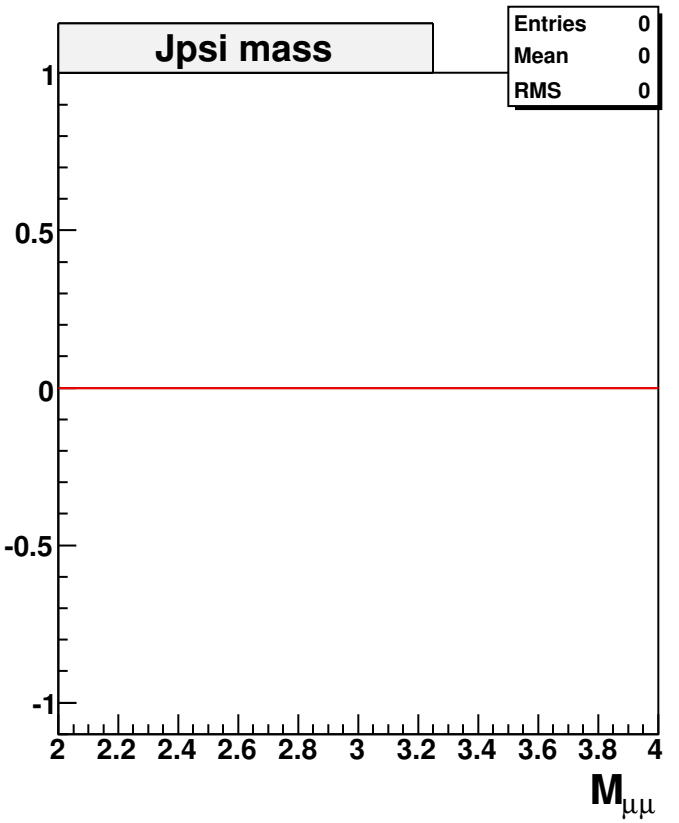


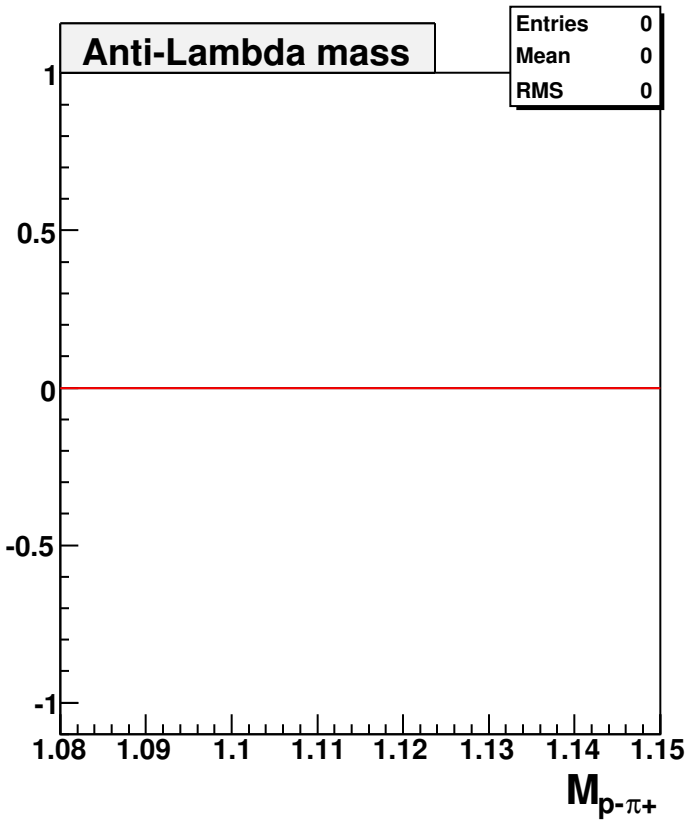


Vertices (Primary - best)

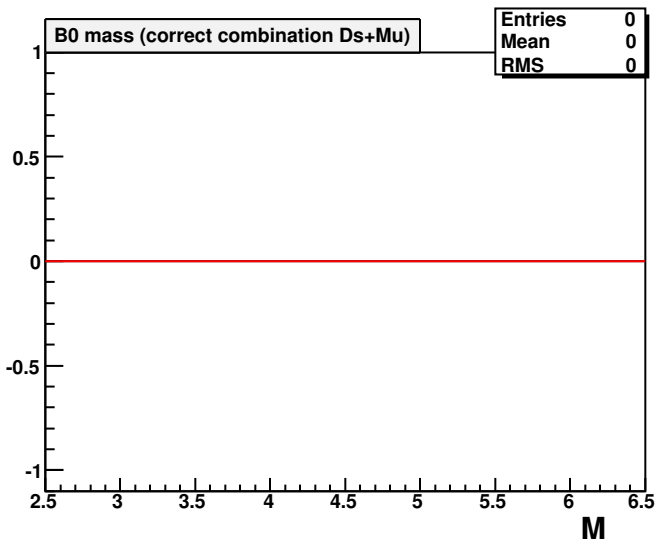

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

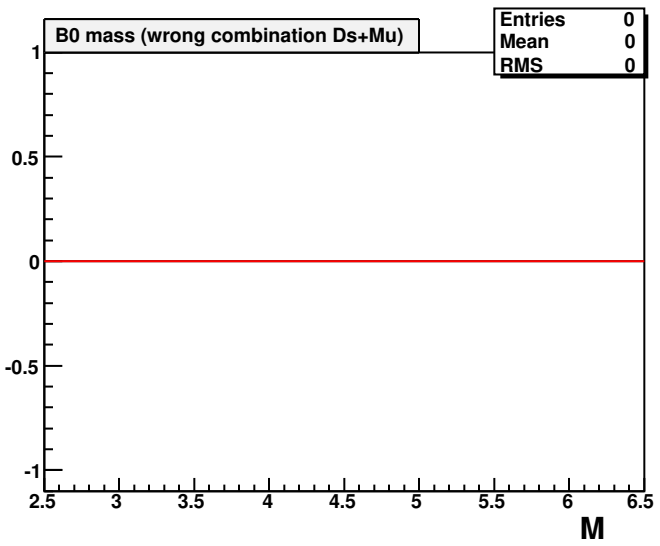

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

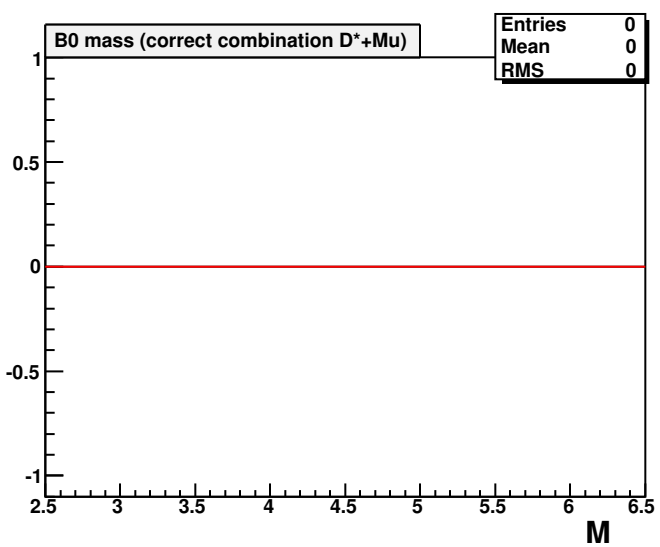

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

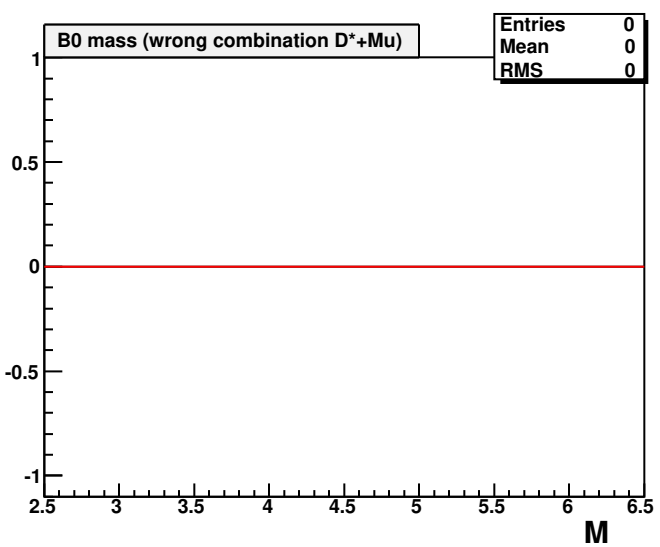

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

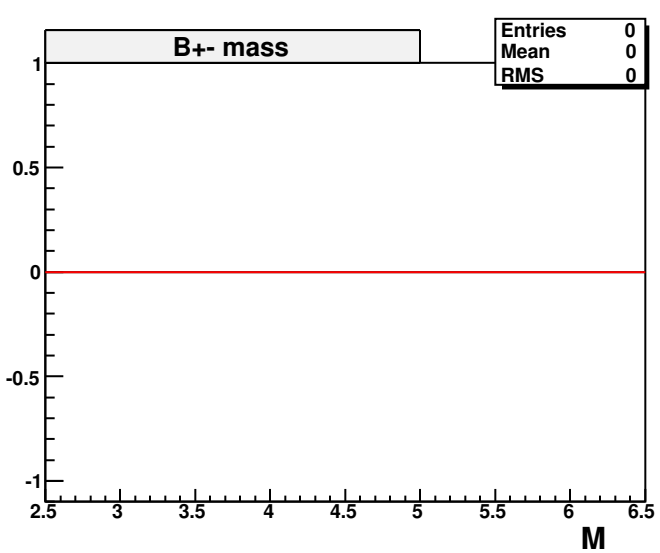
V0 (All)



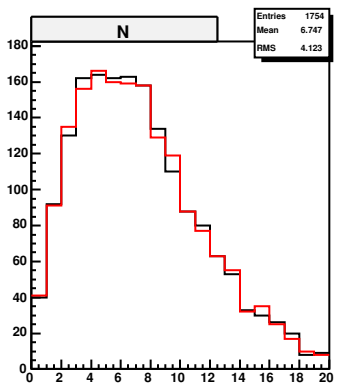


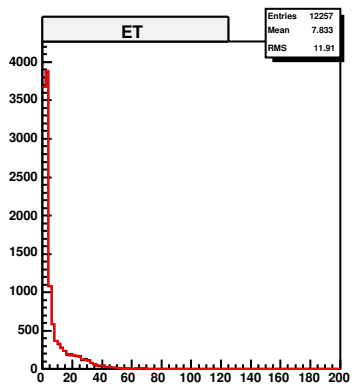


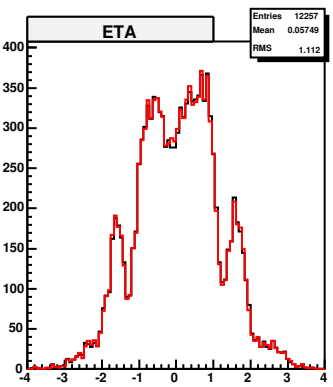


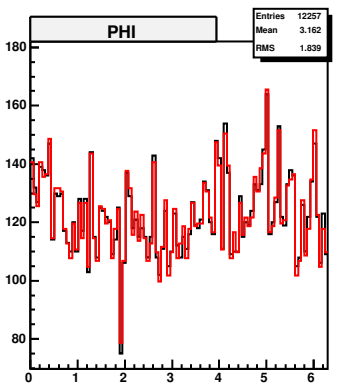


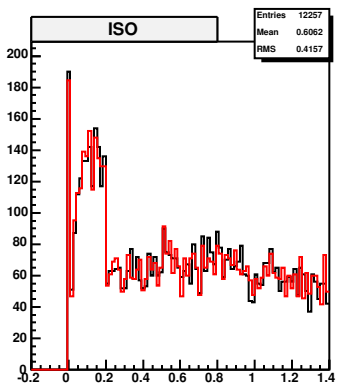
V0(B mesons) (All)

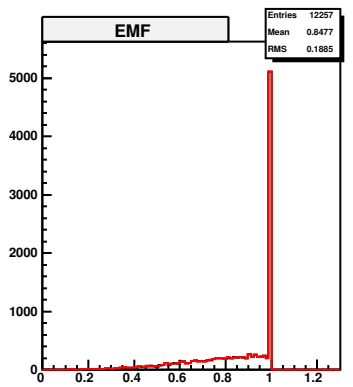


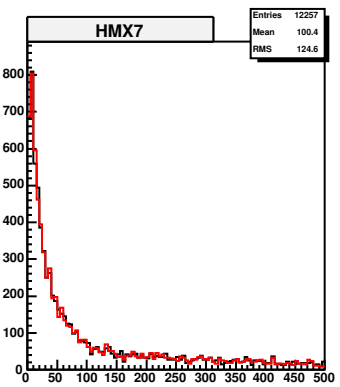


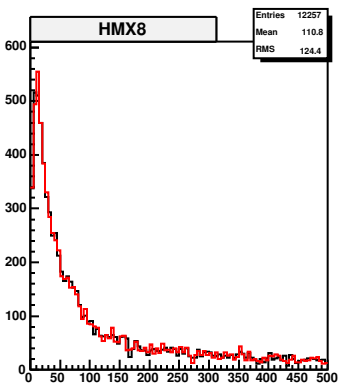


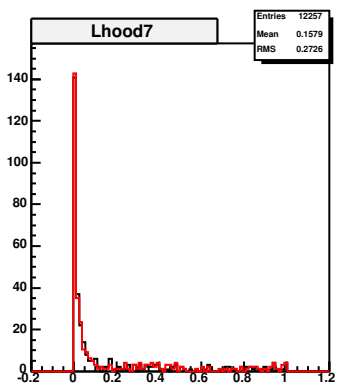


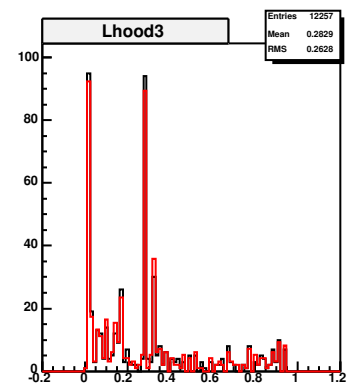


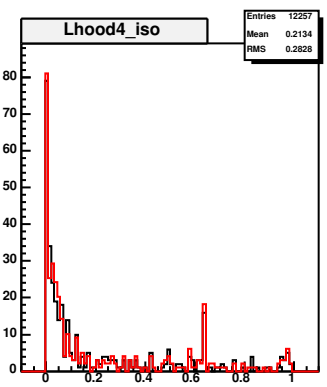


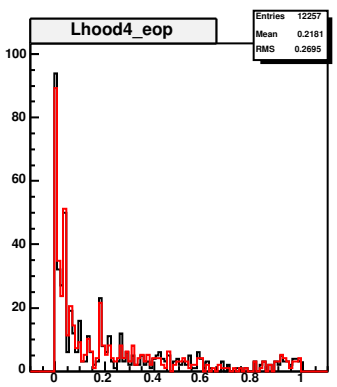


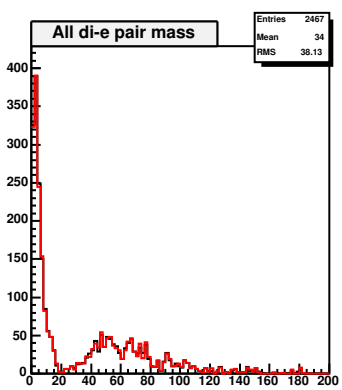


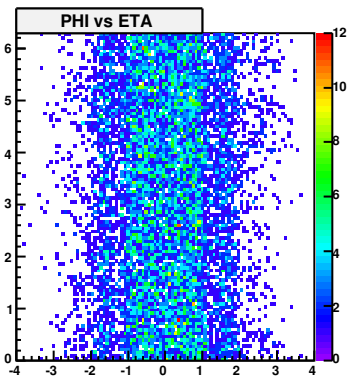


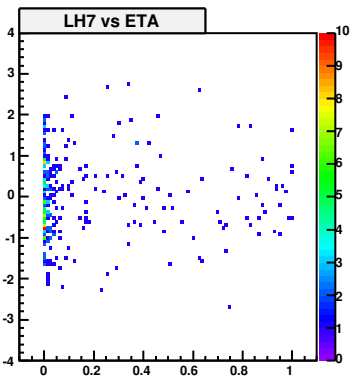


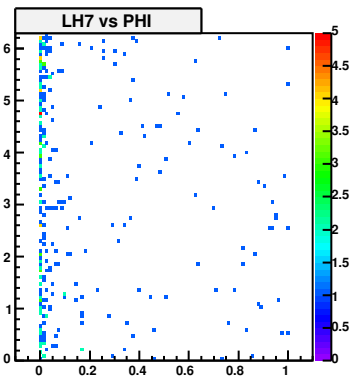




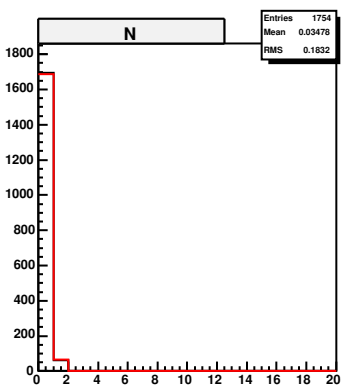


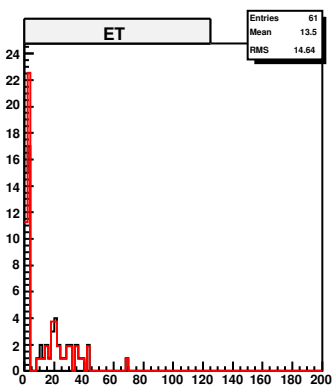


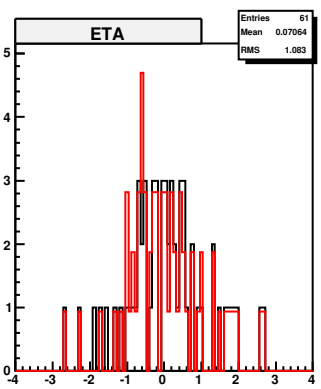


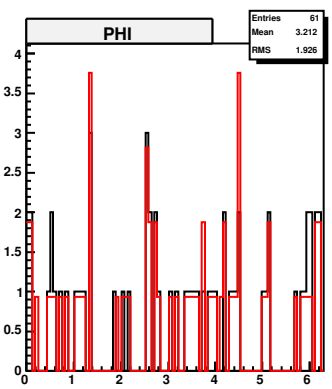


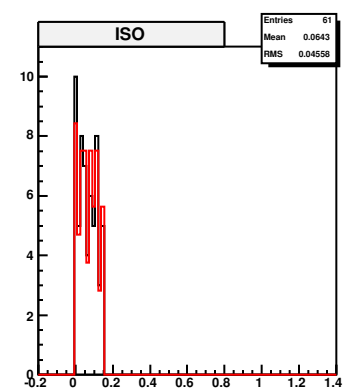
Electrons (SCONE All)

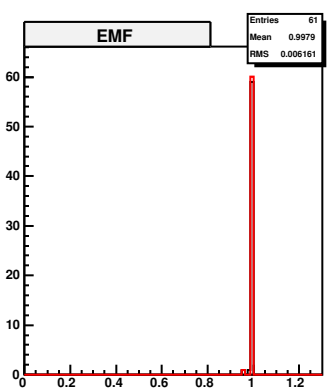


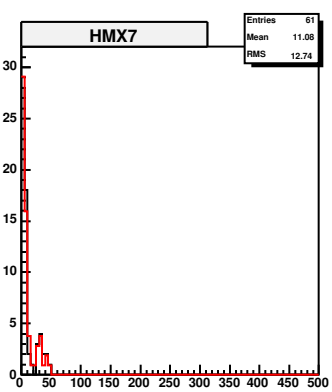


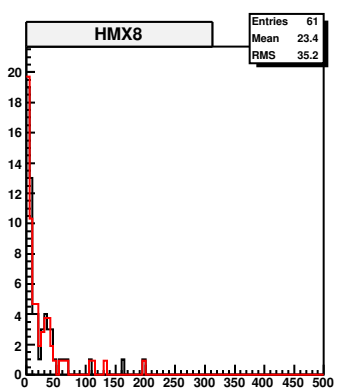


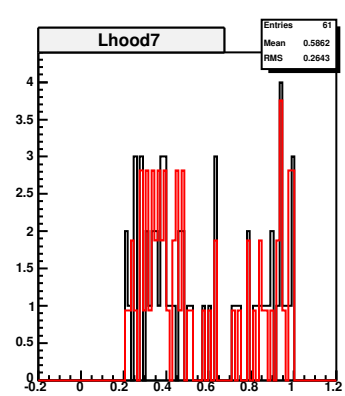


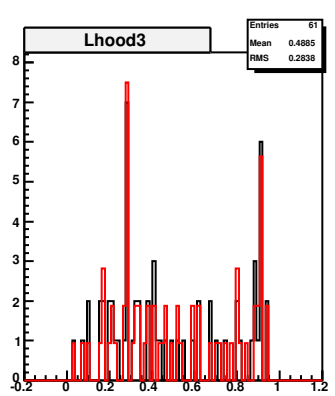


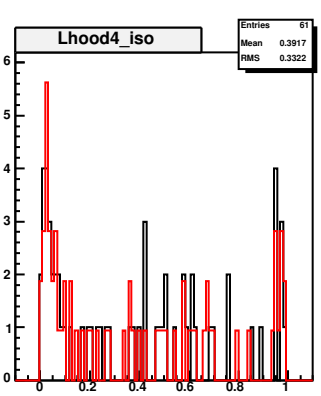


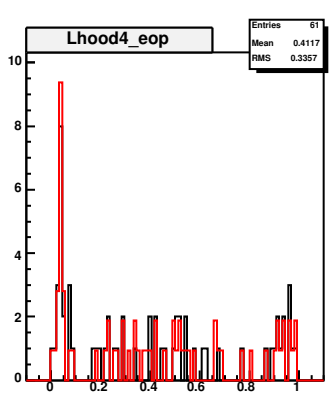


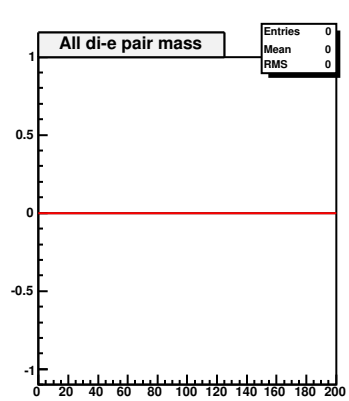


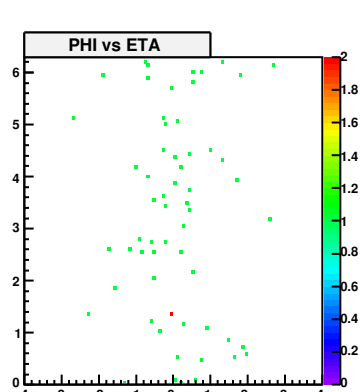


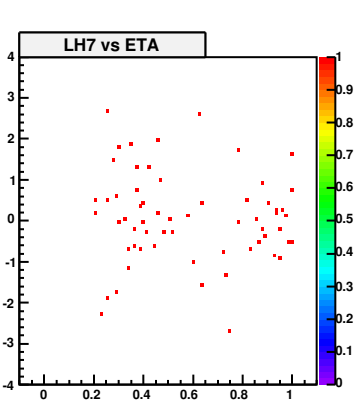


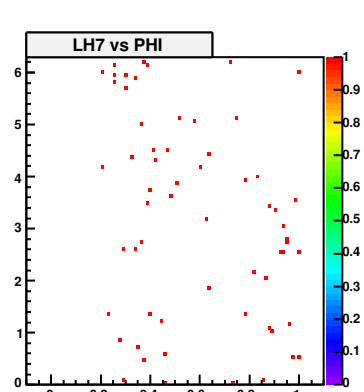




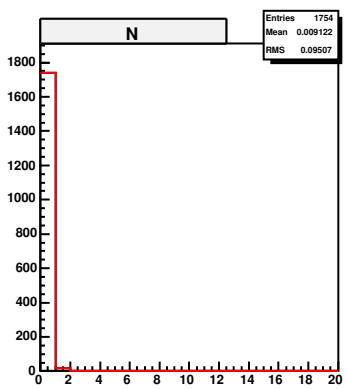


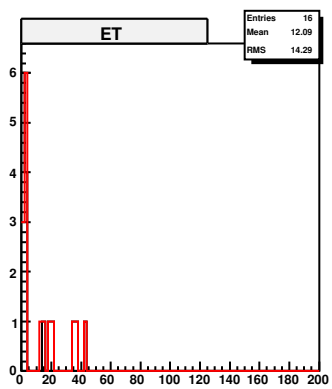


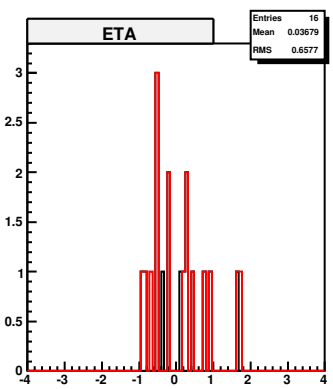


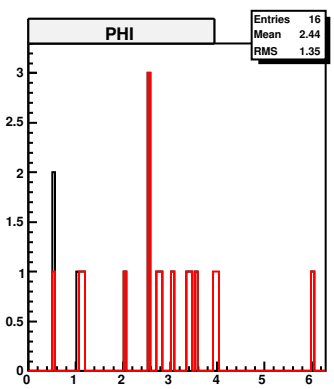


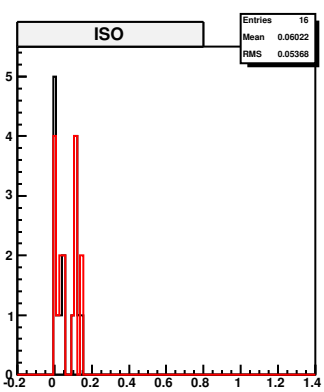
Electrons (SCONE Loose)

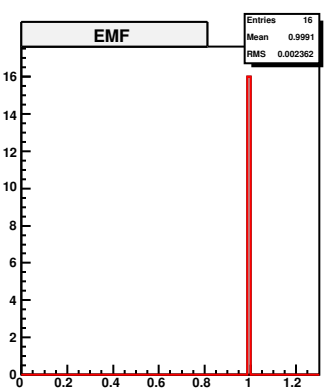


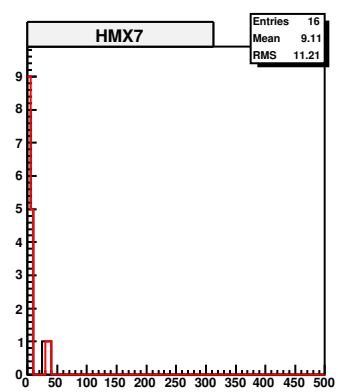


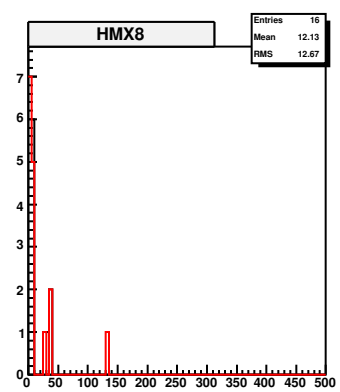


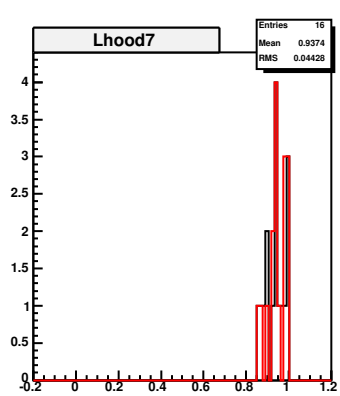


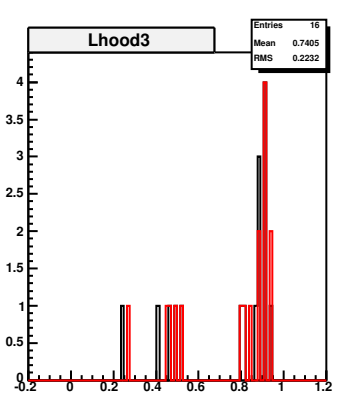


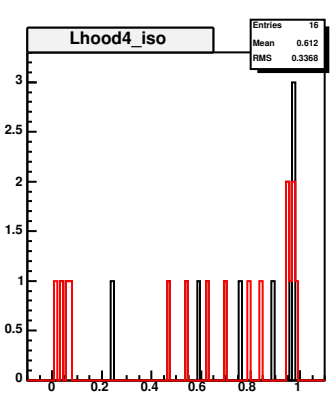


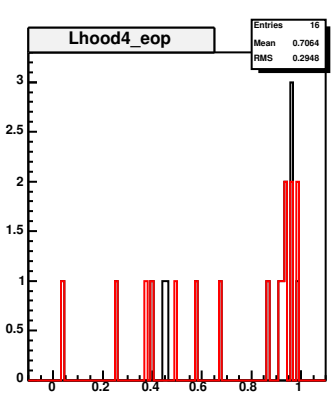


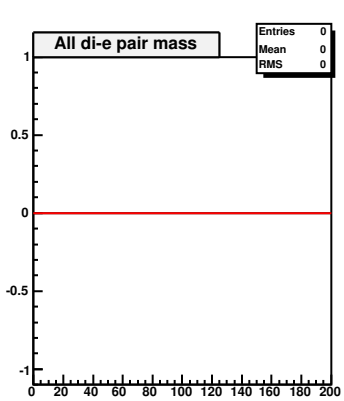


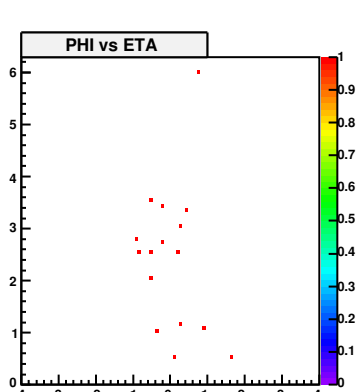


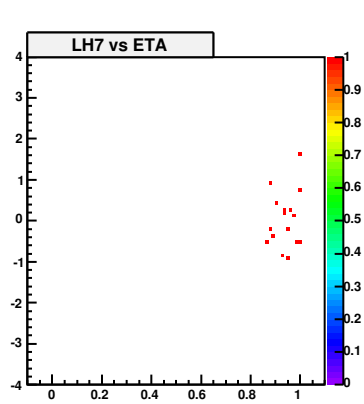


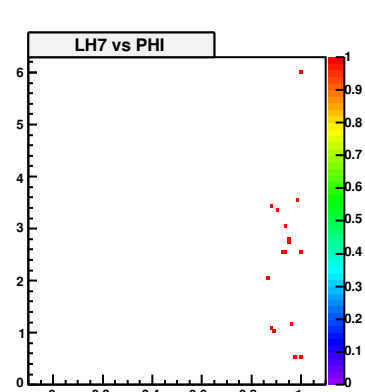




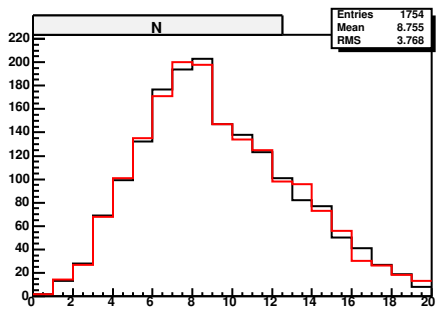


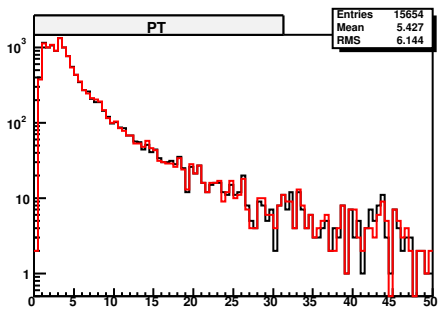


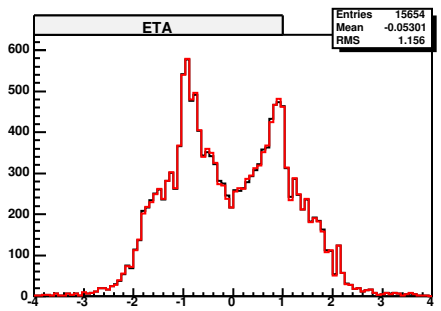


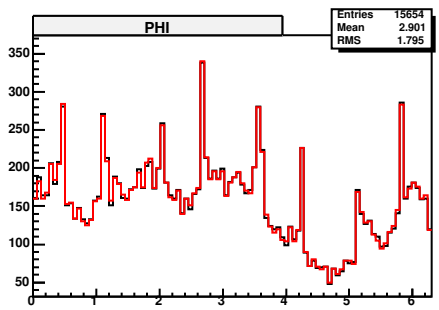


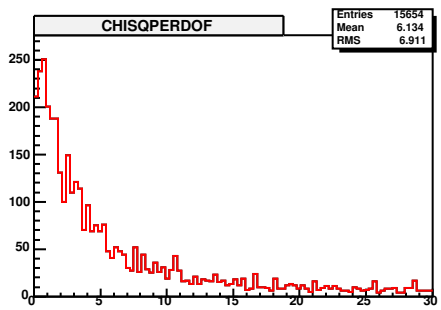
Electrons (SCONE Tight)

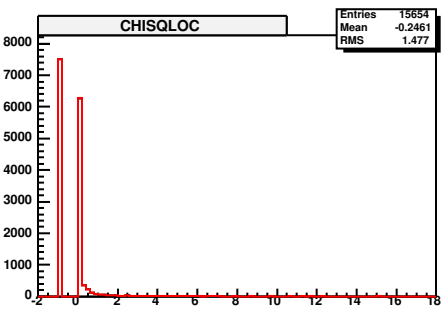

N
Entries 1754
Mean 8.755
RMS 3.768

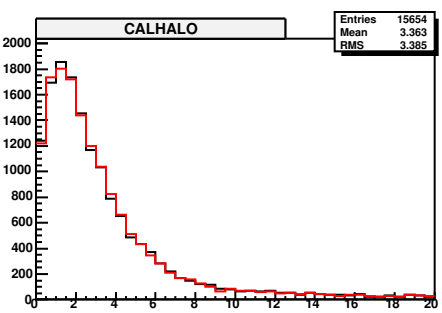

PT
Entries 15654
Mean 5.427
RMS 6.144

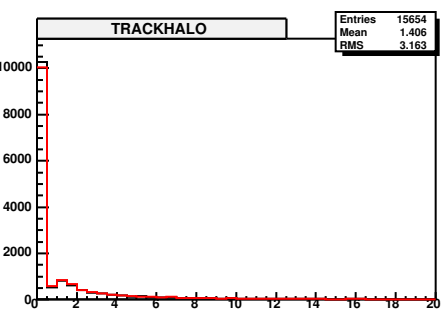

ETA
Entries 15654
Mean -0.05301
RMS 1.156

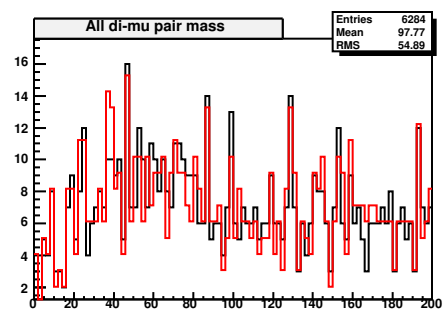

PHI
Entries 15654
Mean 2.901
RMS 1.795

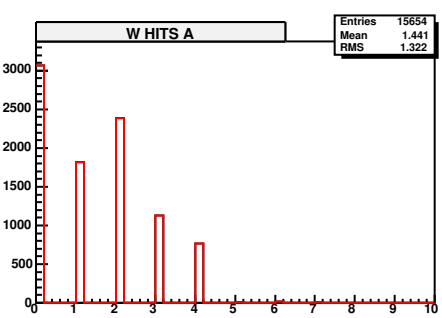

CHISQPERDOF
Entries 15654
Mean 6.134
RMS 6.911

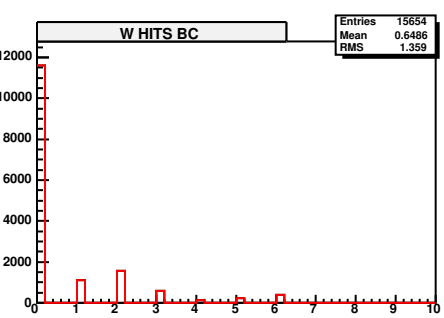

CHISQLOC
Entries 15654
Mean -0.2461
RMS 1.477

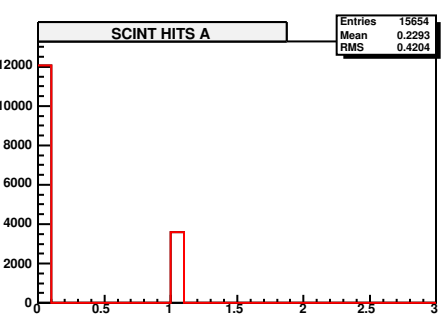

CALHALO
Entries 15654
Mean 3.363
RMS 3.385

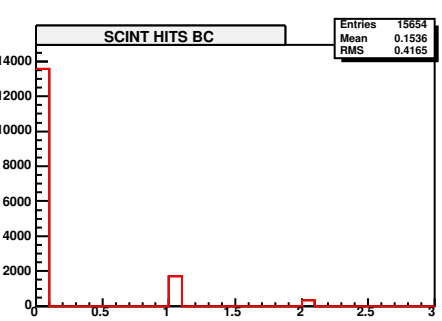

TRACKHALO
Entries 15654
Mean 1.406
RMS 3.163


All di-mu pair mass
Entries 6284
Mean 97.77
RMS 54.89

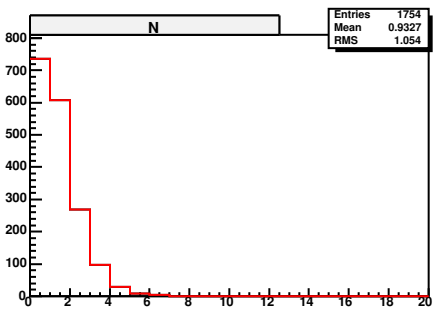

W HITS A
Entries 15654
Mean 1.441
RMS 1.322

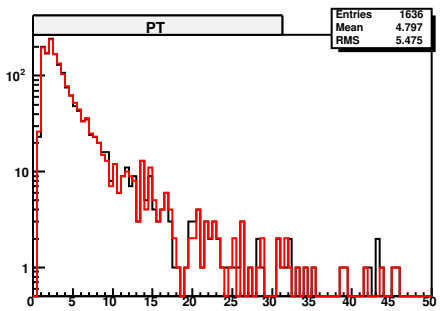

W HITS BC
Entries 15654
Mean 0.6486
RMS 1.359

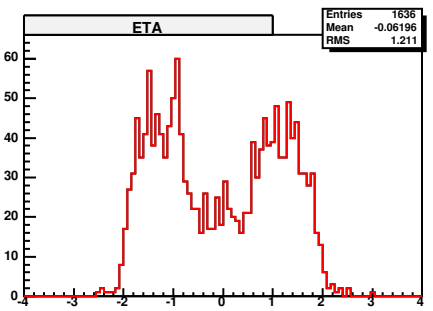

SCINT HITS A
Entries 15654
Mean 0.2293
RMS 0.4204

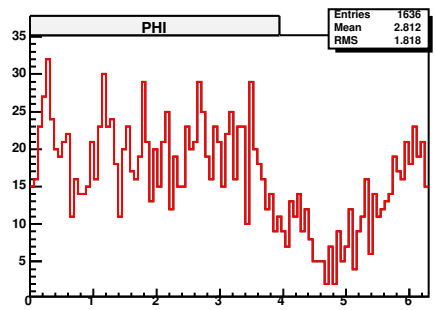

SCINT HITS BC
Entries 15654
Mean 0.1536
RMS 0.4165

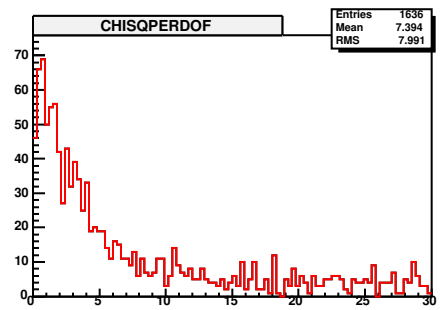
Muons (All)

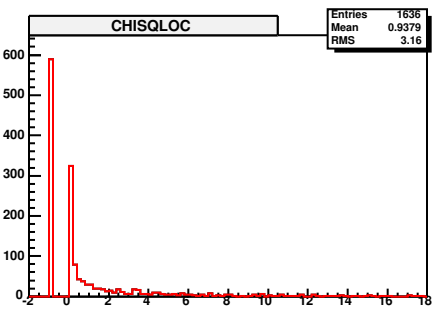


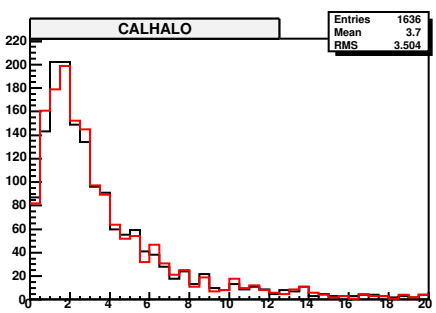


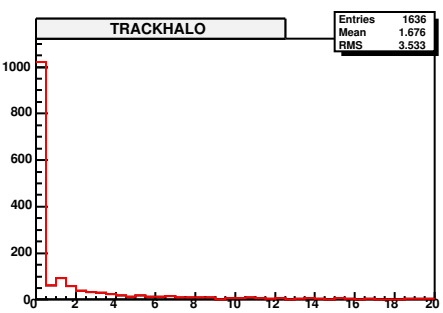


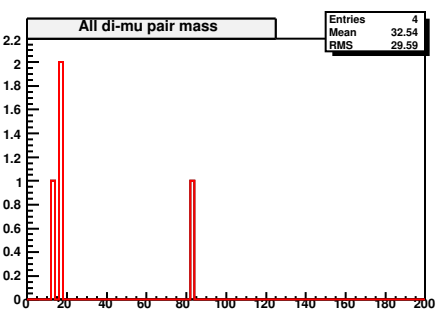


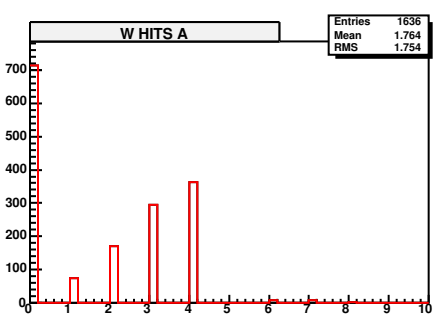


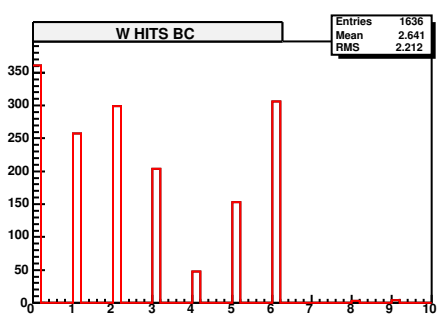


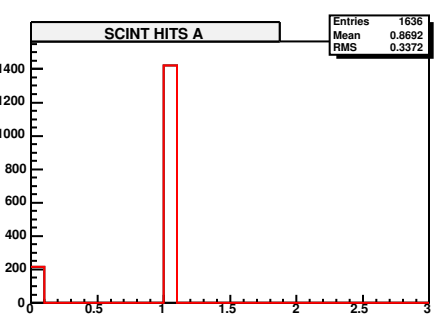


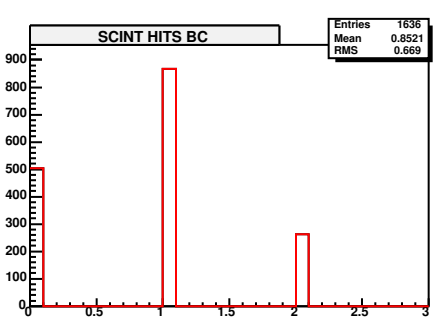




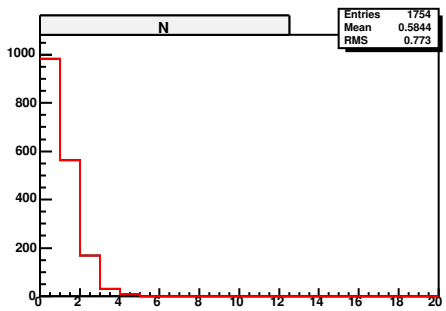


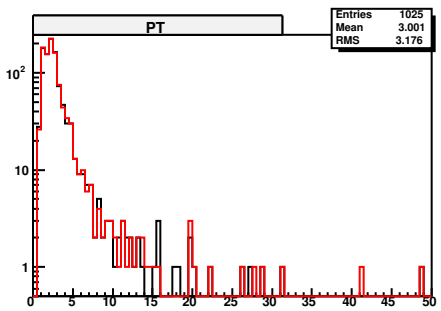


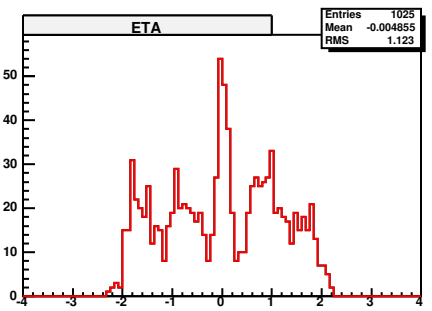


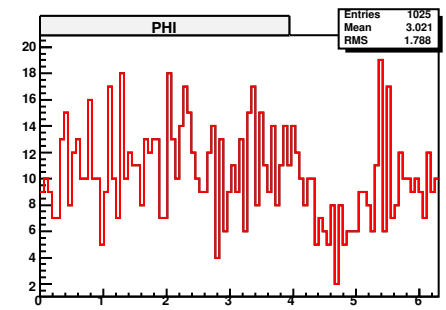


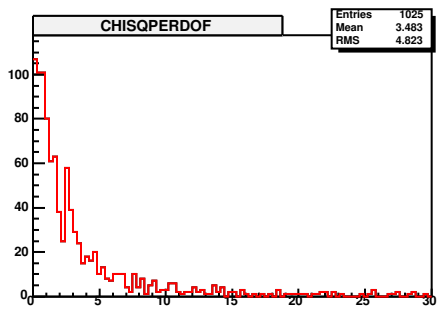
Muons (Matched)

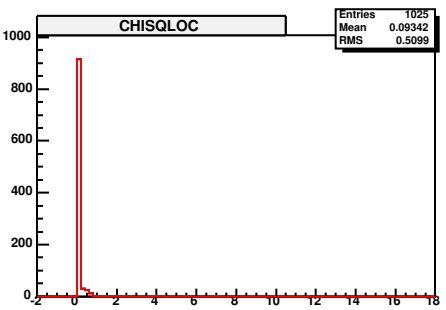

N
Entries 1754
Mean 0.5844
RMS 0.773

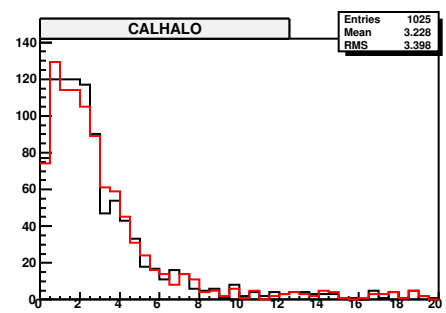

PT
Entries 1025
Mean 3.001
RMS 3.176

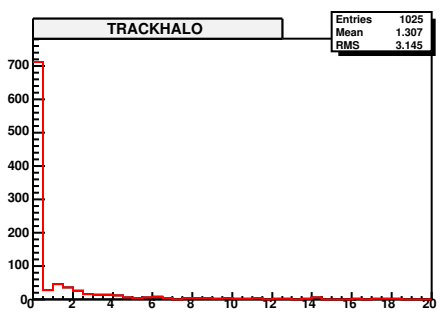

ETA
Entries 1025
Mean -0.004855
RMS 1.123

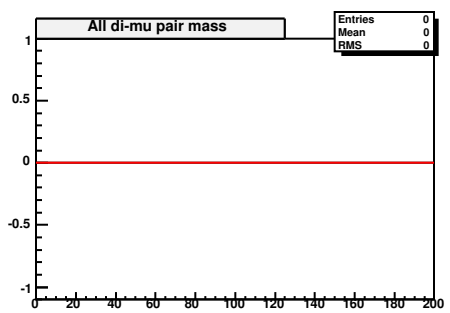

PHI
Entries 1025
Mean 3.021
RMS 1.788

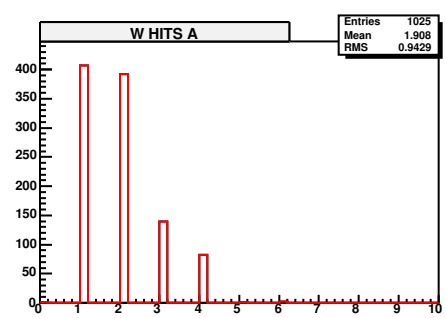

CHISQPERDOF
Entries 1025
Mean 3.483
RMS 4.823

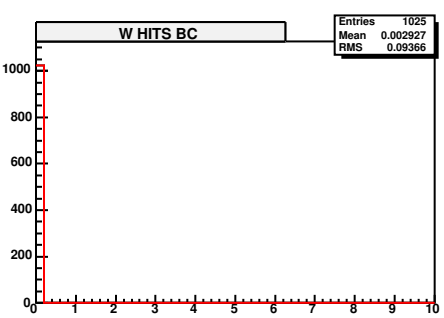

CHISQLOC
Entries 1025
Mean 0.09342
RMS 0.5099

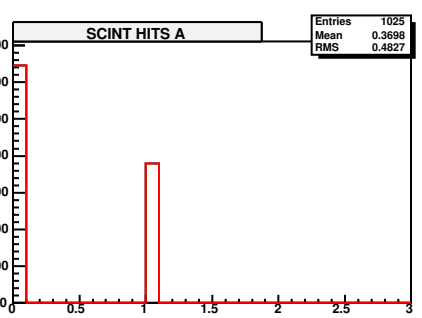

CALHALO
Entries 1025
Mean 3.228
RMS 3.398

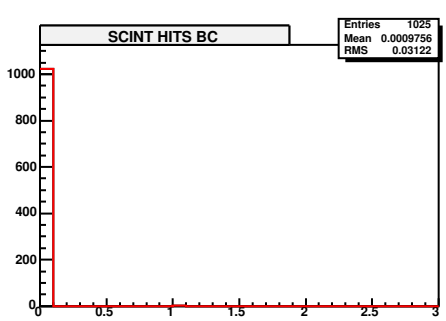

TRACKHALO
Entries 1025
Mean 1.307
RMS 3.145


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

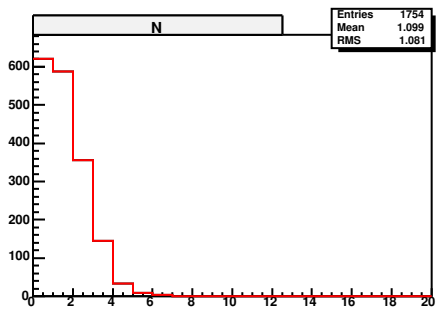

W HITS A
Entries 1025
Mean 1.908
RMS 0.9429

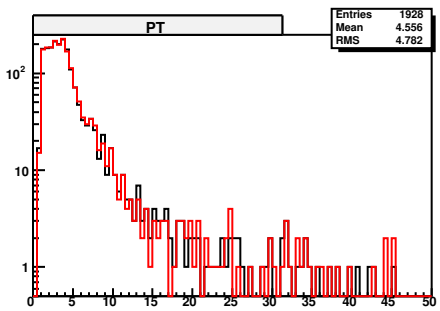

W HITS BC
Entries 1025
Mean 0.002927
RMS 0.09366

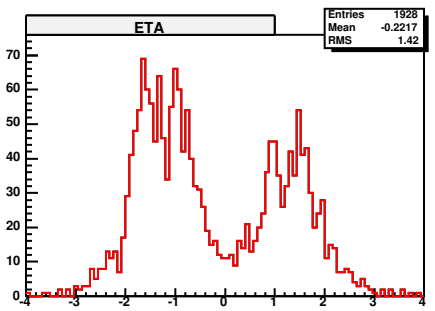

SCINT HITS A
Entries 1025
Mean 0.3698
RMS 0.4827

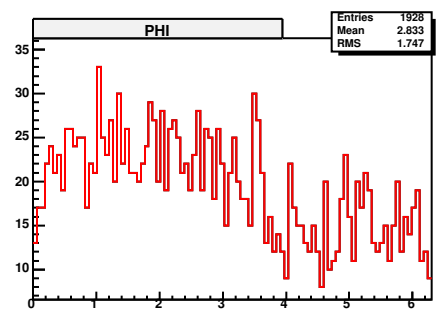

SCINT HITS BC
Entries 1025
Mean 0.0009756
RMS 0.03122

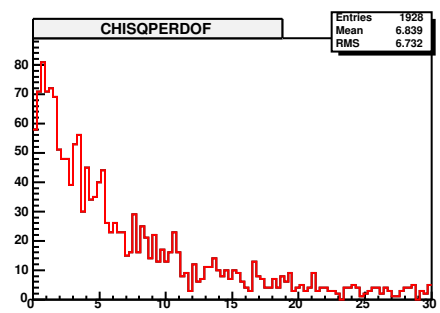
Muons (Astub)

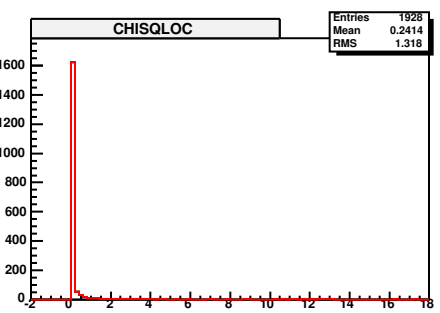


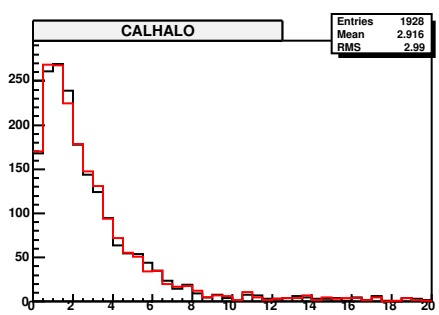


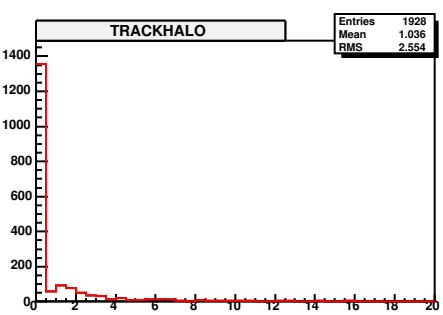


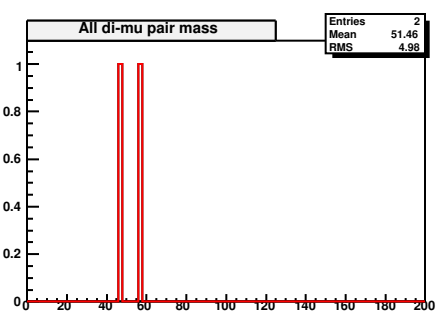


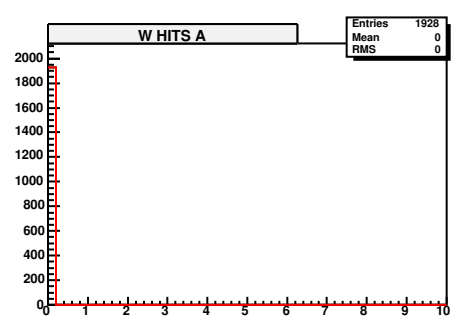


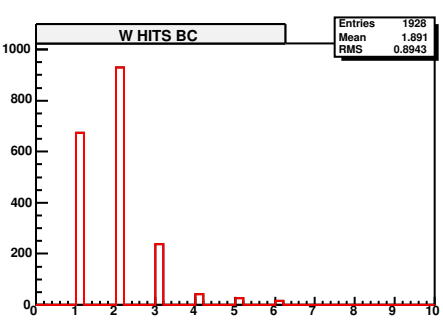


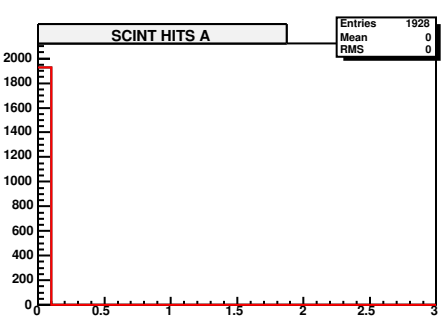


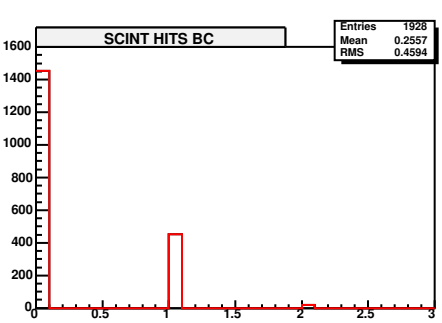




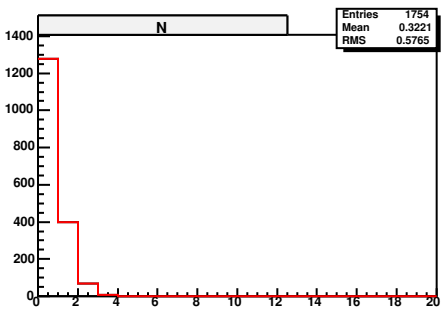


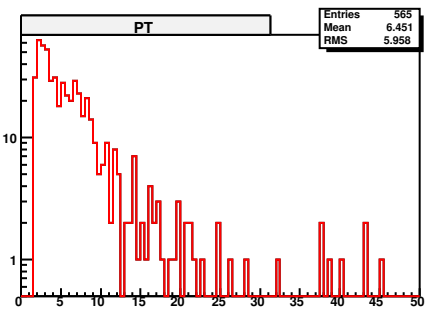


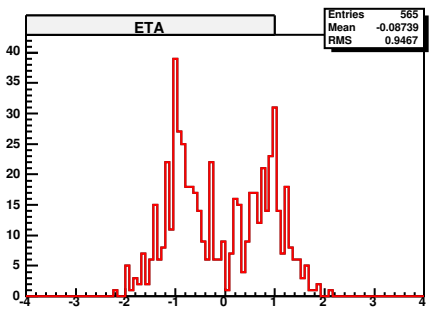


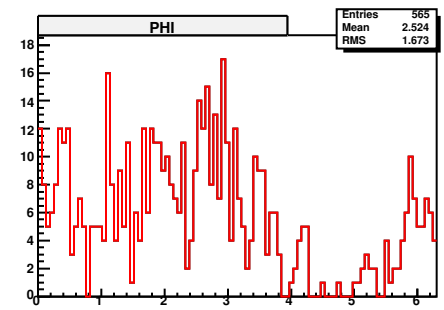


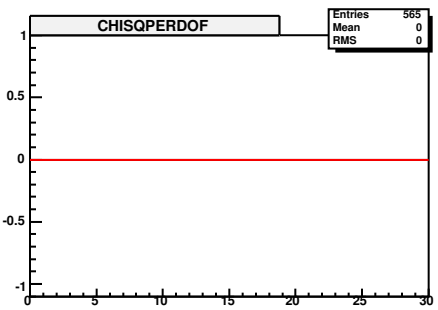
Muons (BCstub)

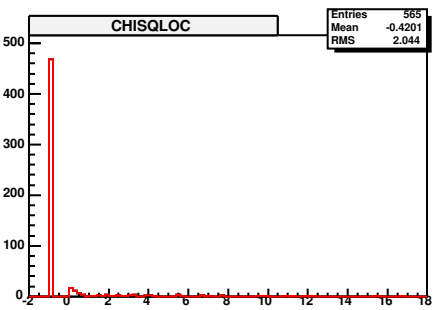


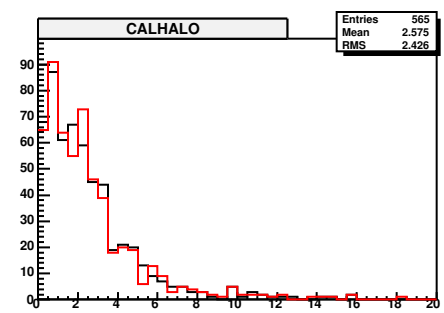


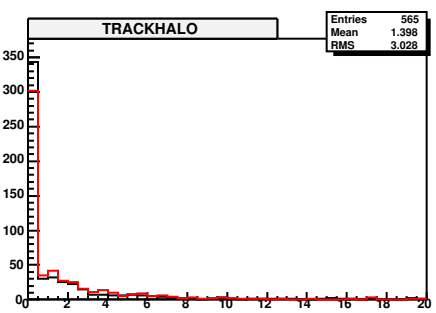


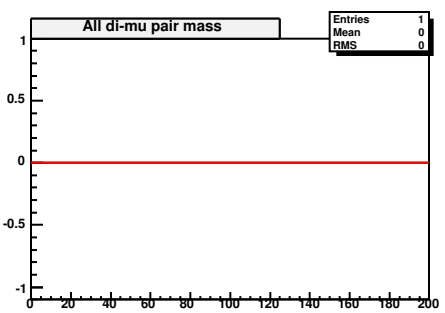


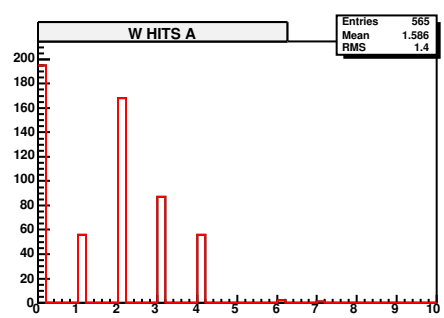


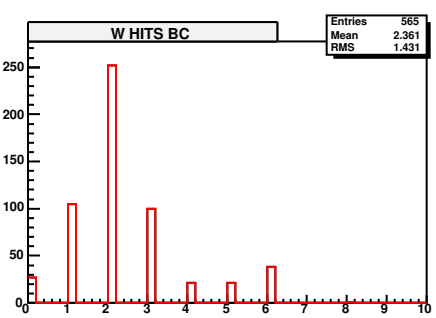


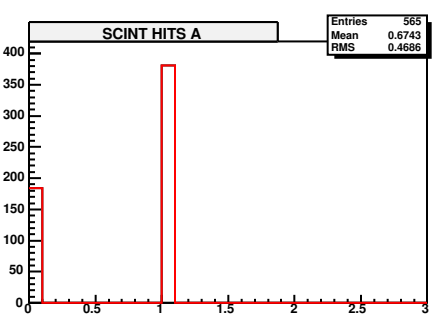


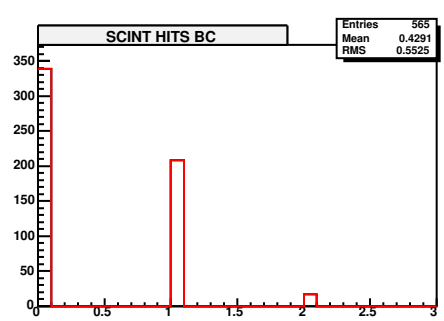




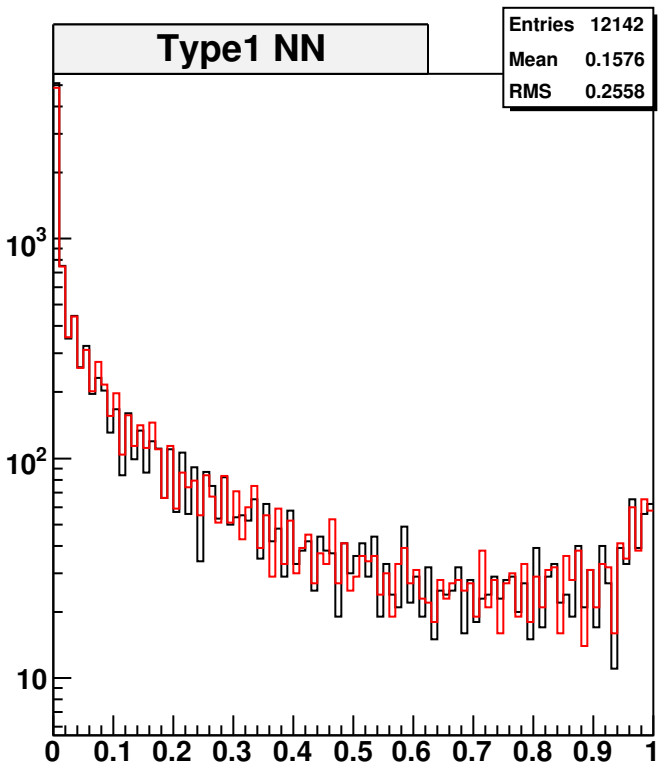


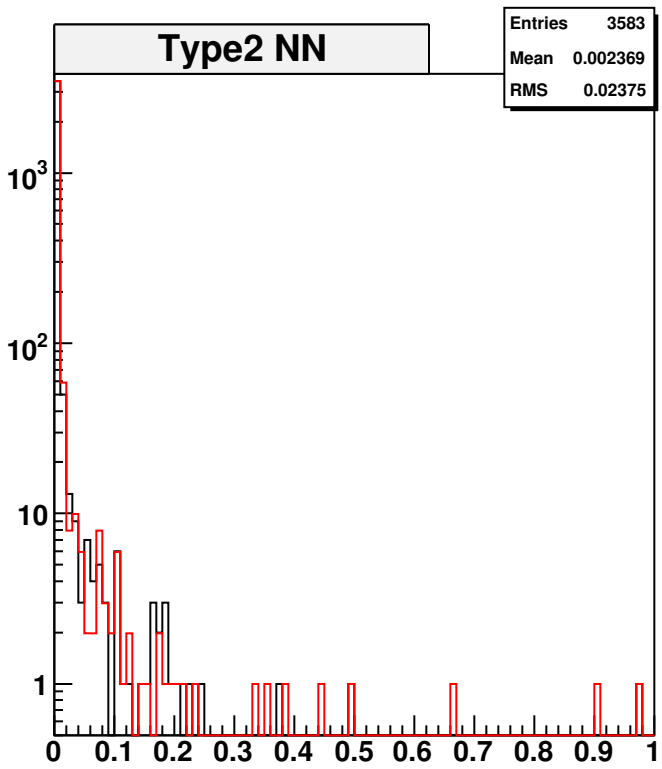


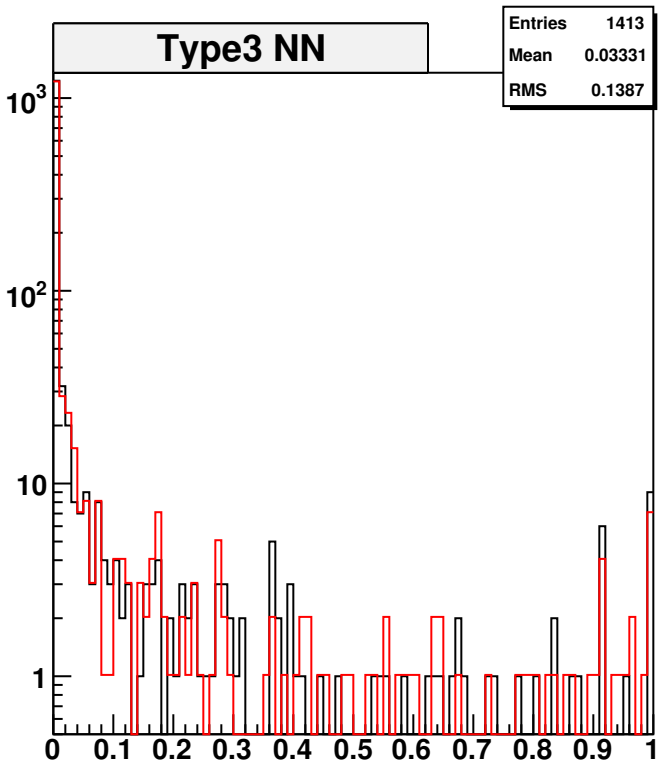


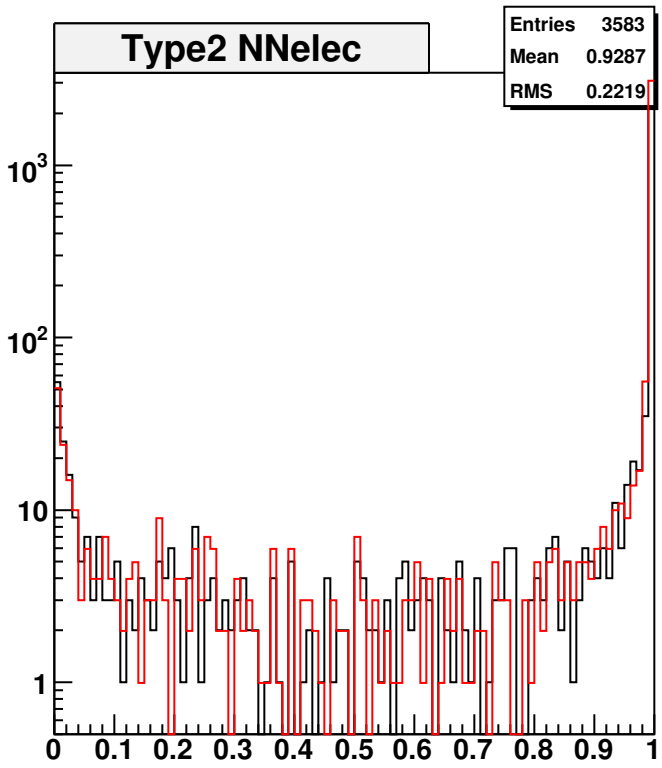


Muons (Unmatched)

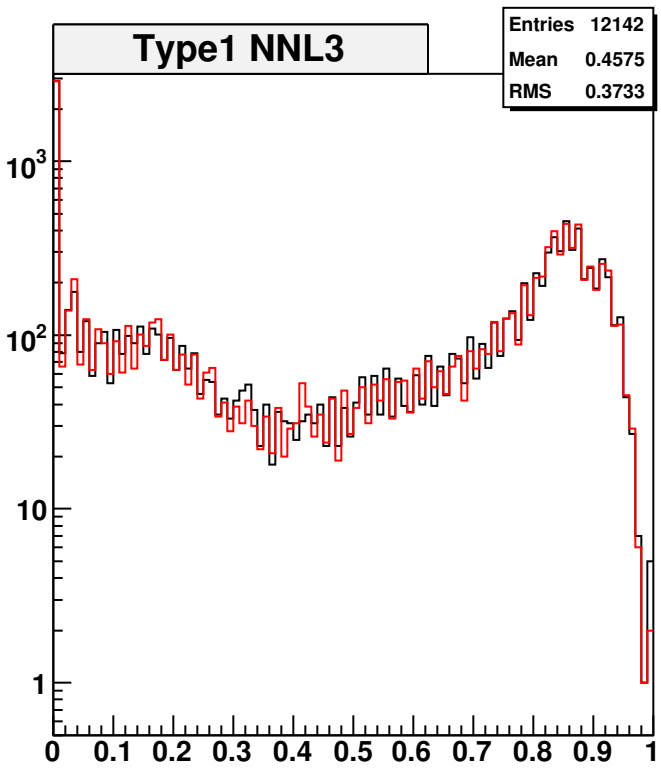


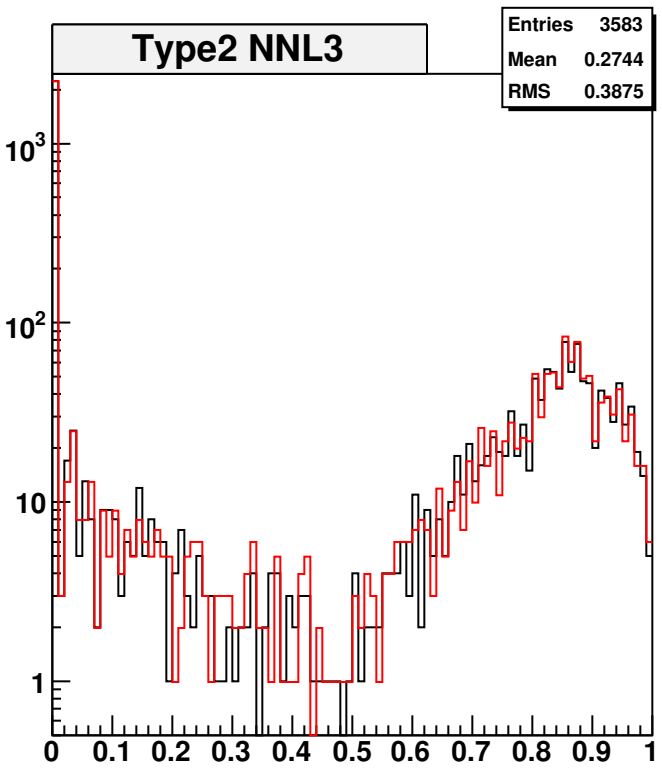


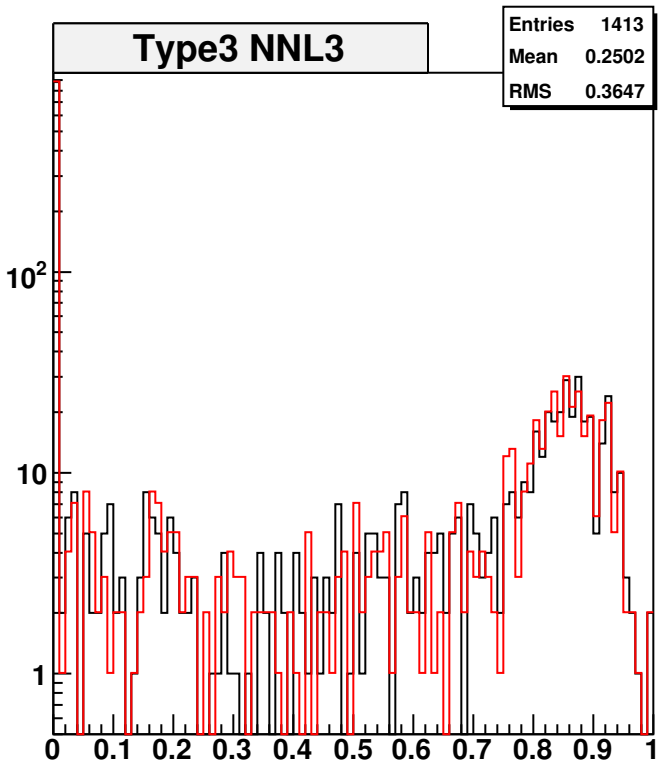


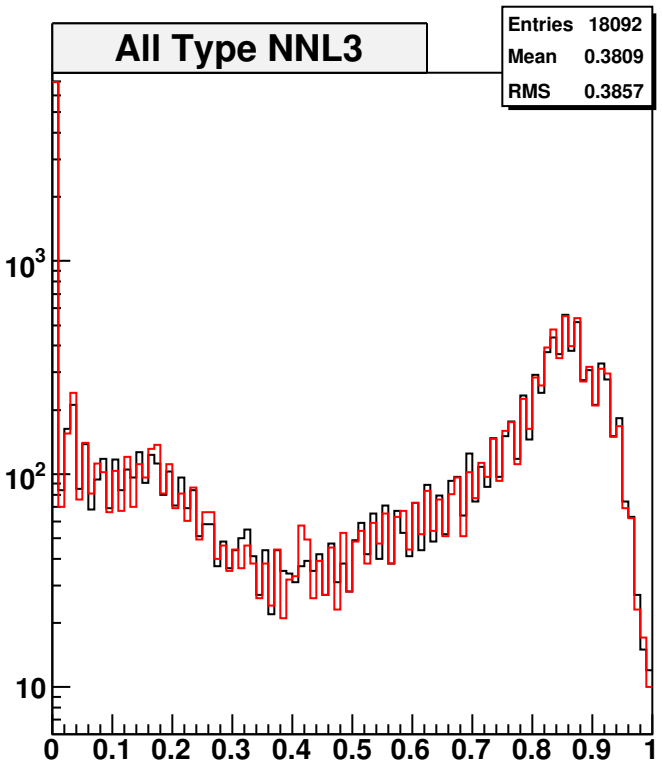


Taus NN (TAU All)

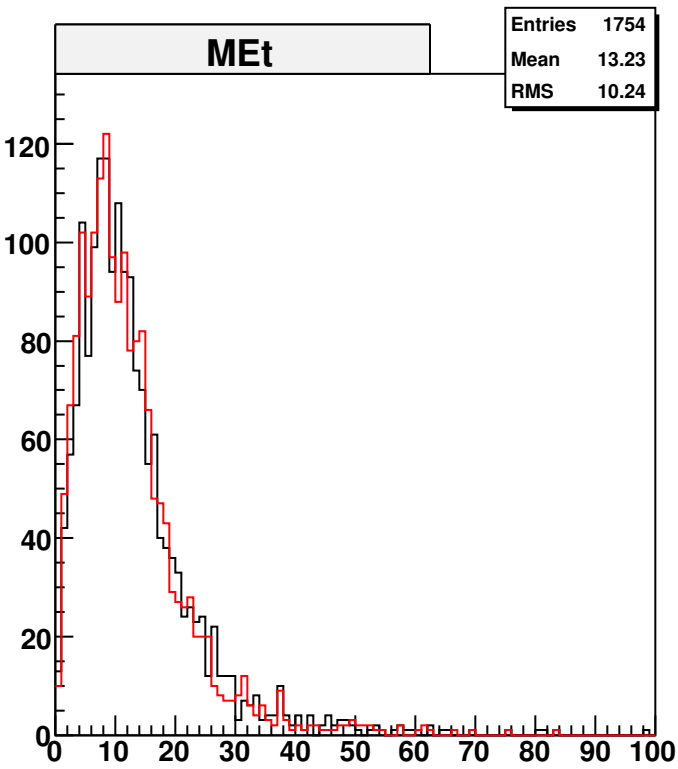


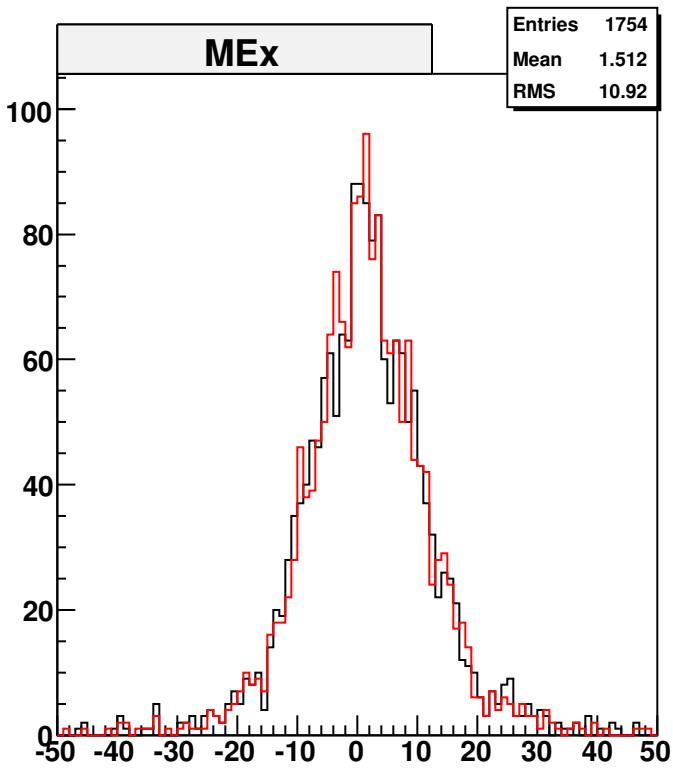






Taus NNL3 (TAU All)


MEt
Entries 1754
Mean 13.23
RMS 10.24
0 20 40 60 80 100 120
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 1754
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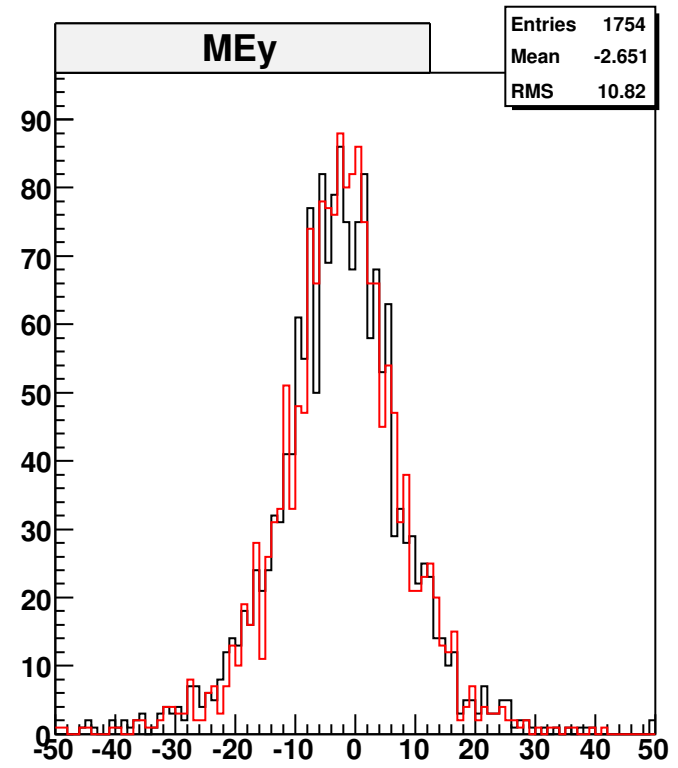
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
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Mean -2.651
RMS 10.82
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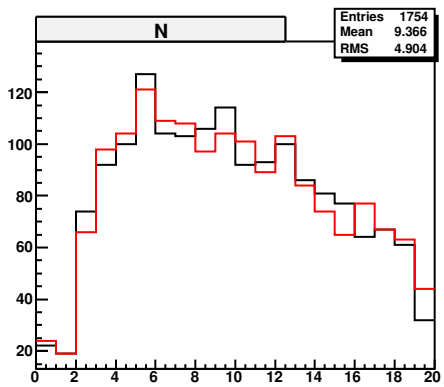
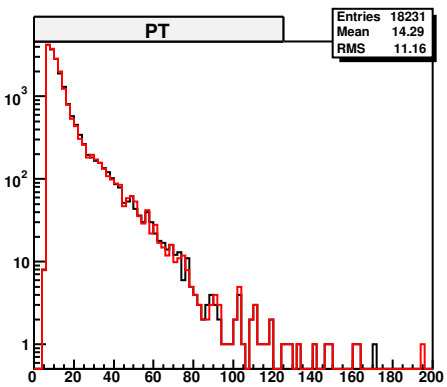
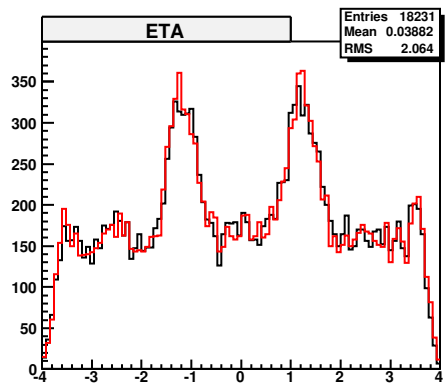
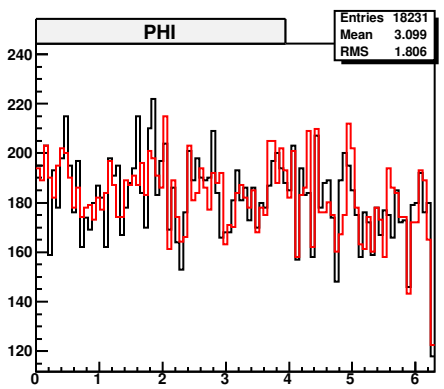
-50 -40 -30 -20 -10 0 10 20 30 40 50

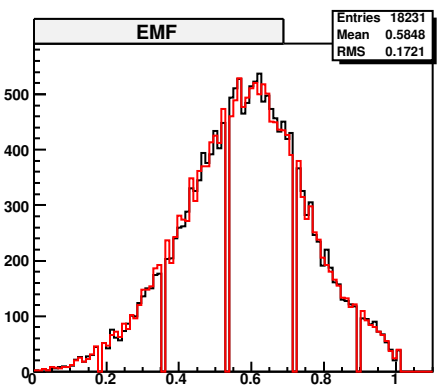
Met (No cuts)

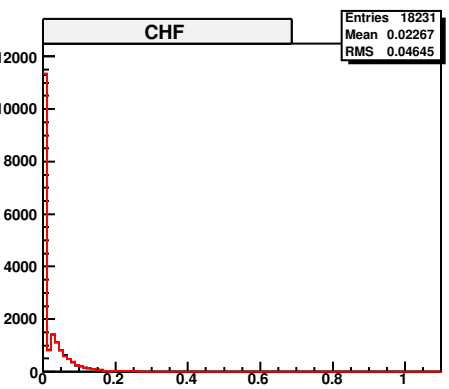


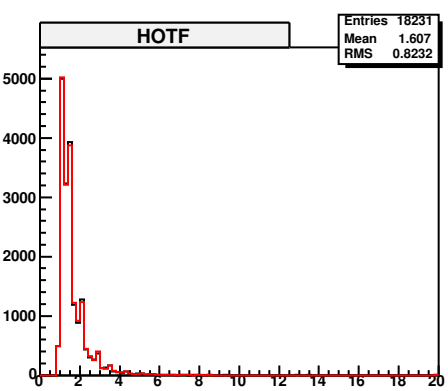


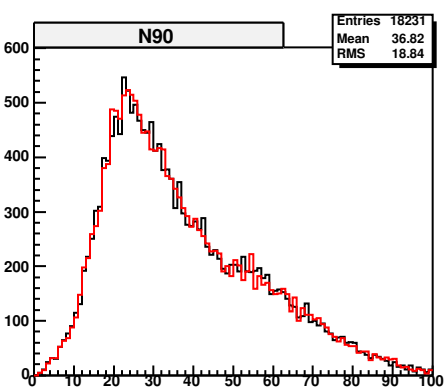


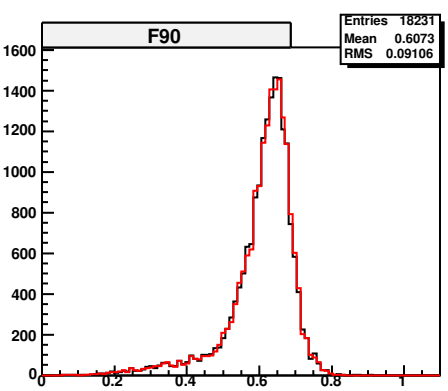


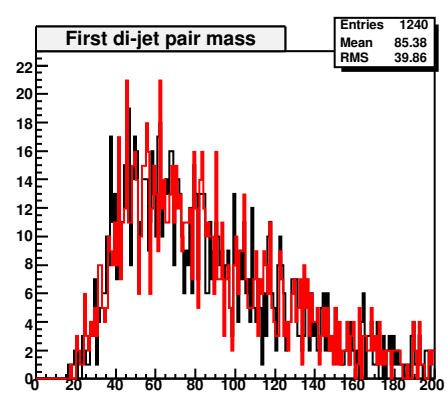


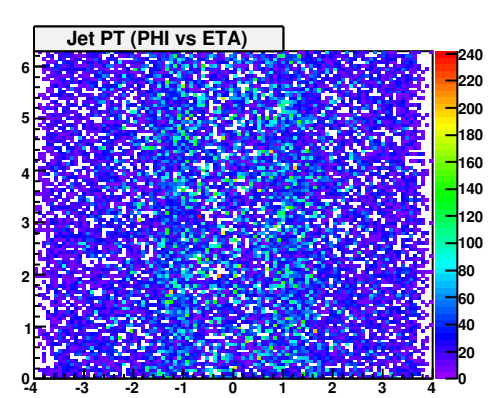




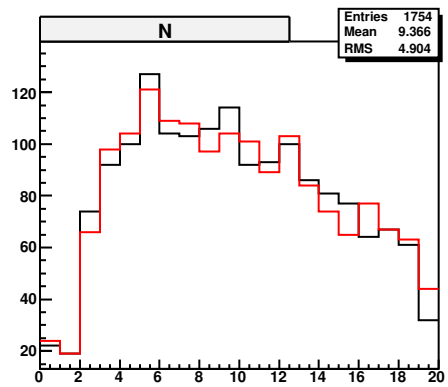


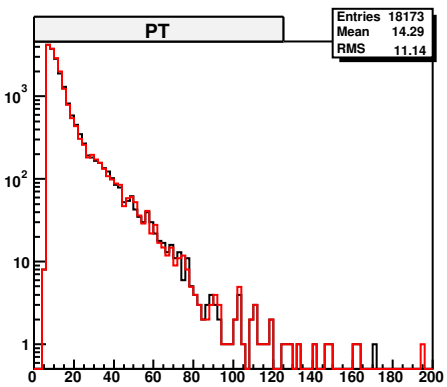


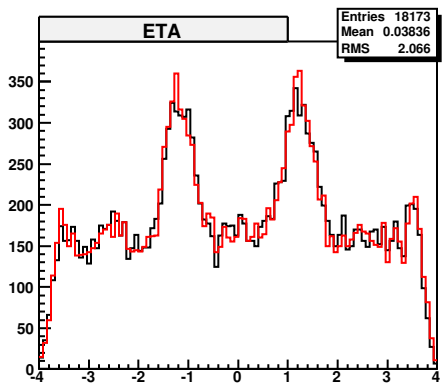


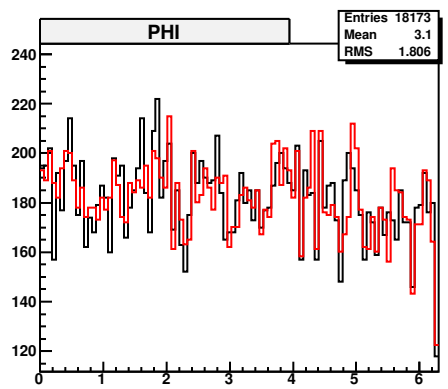


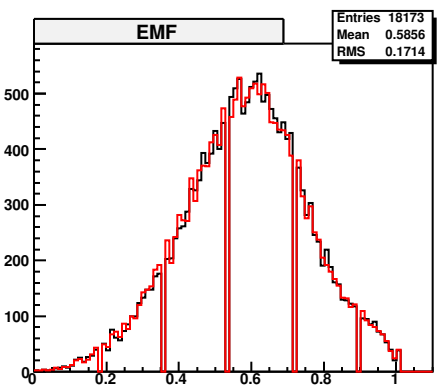
Jets (Cone R 0.7 (no cuts))

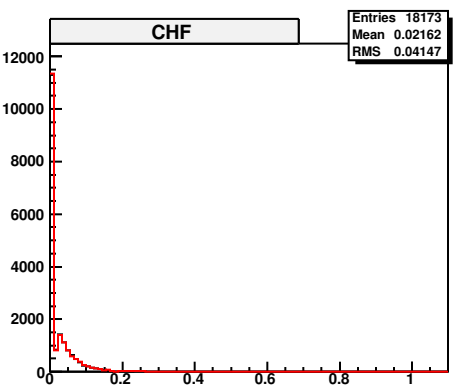


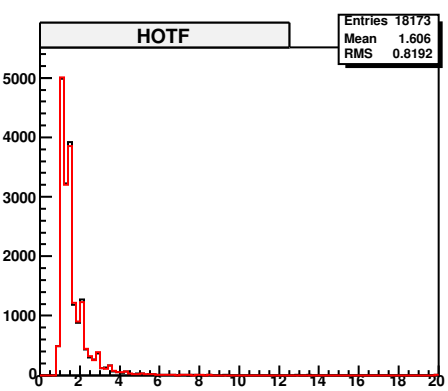


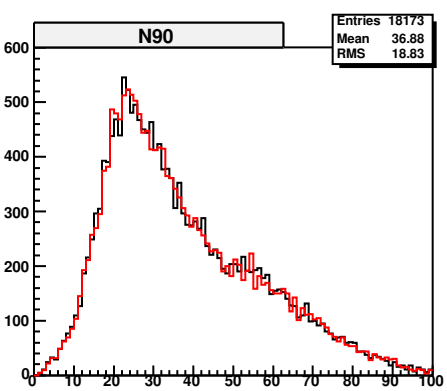


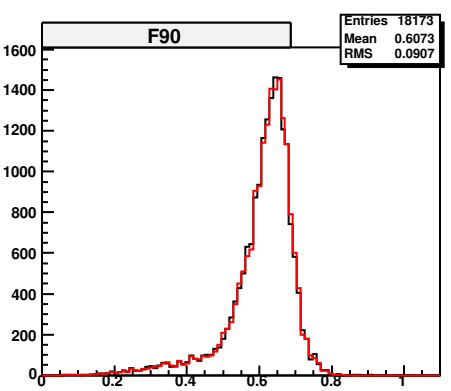


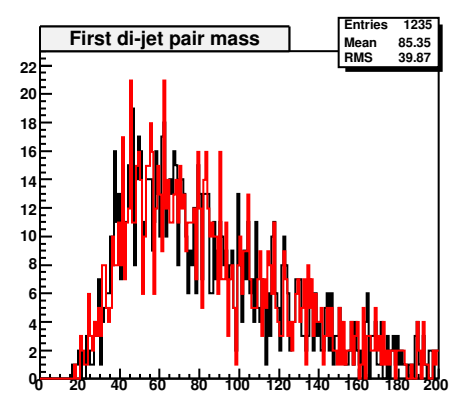


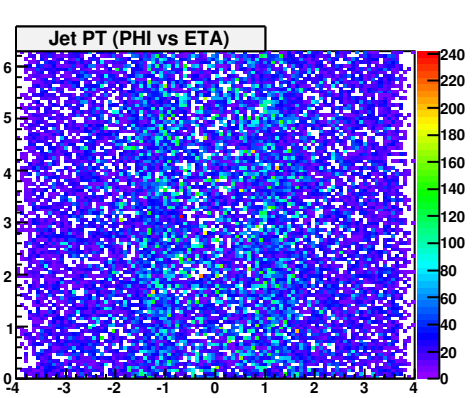




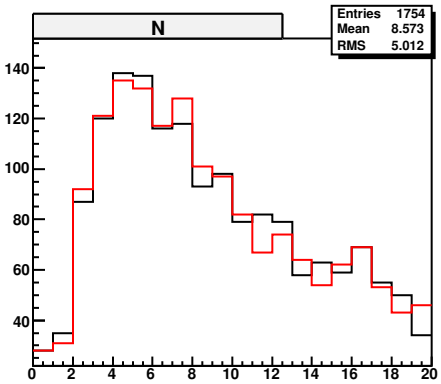


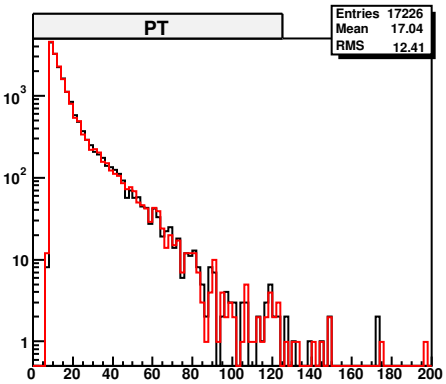


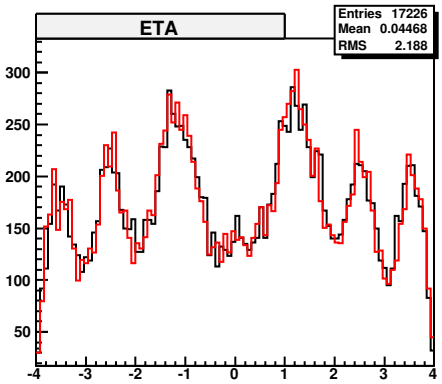


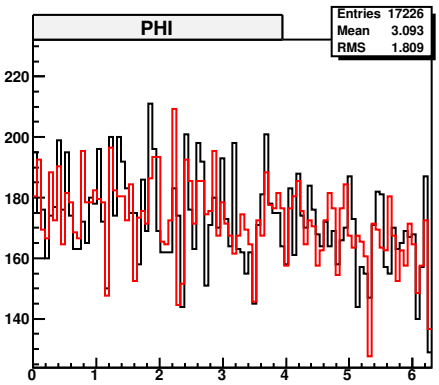


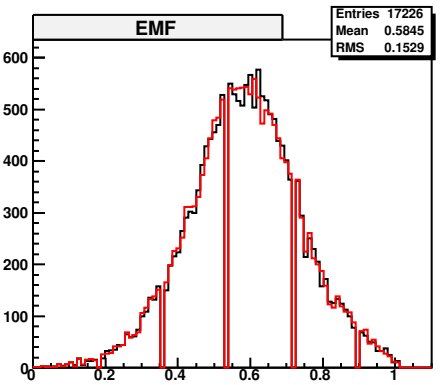
Jets (Cone R 0.7 (standard cuts))

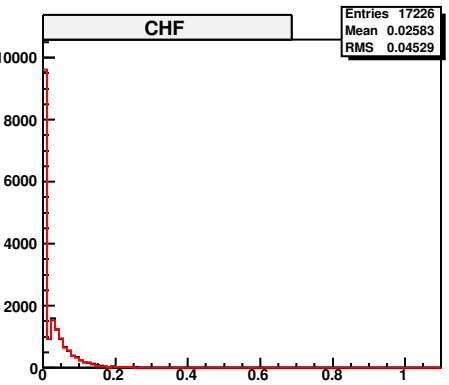


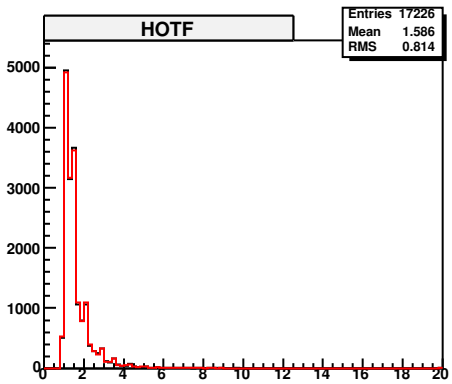


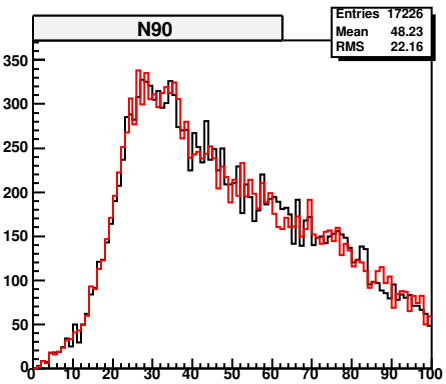


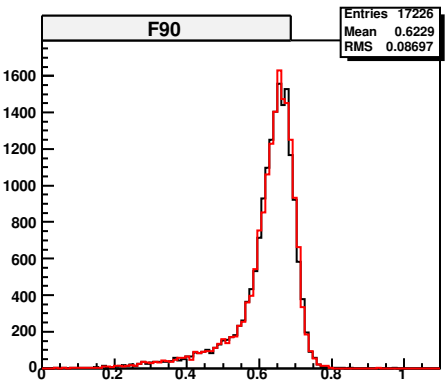


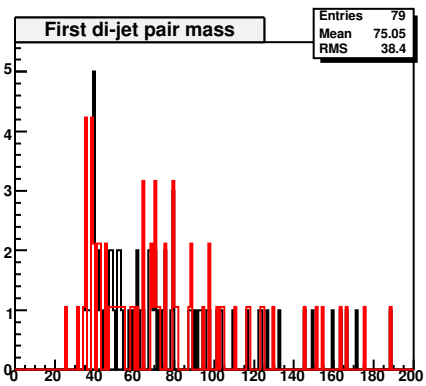


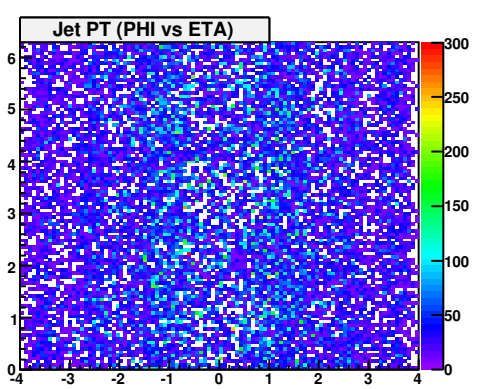




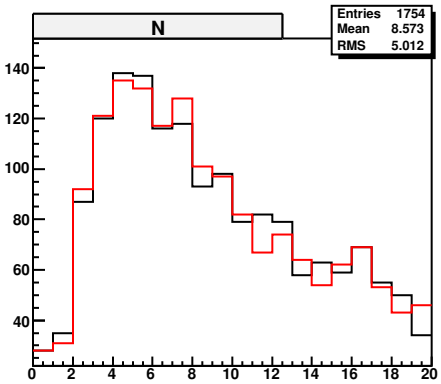


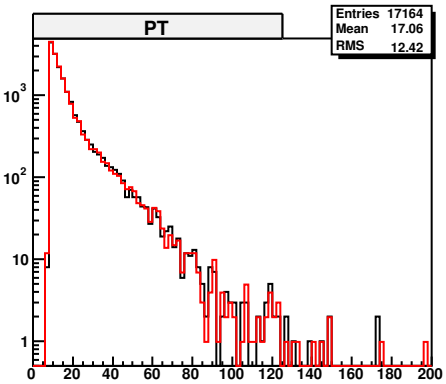


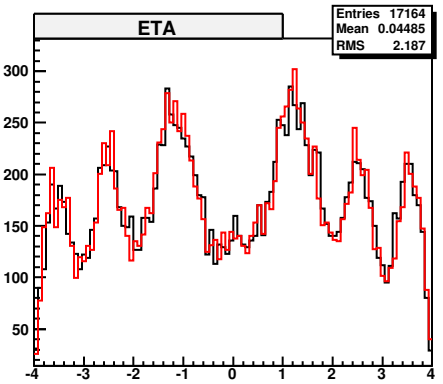


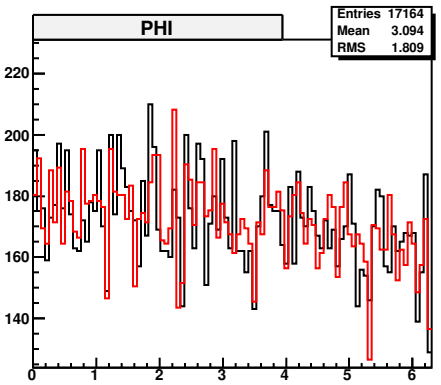


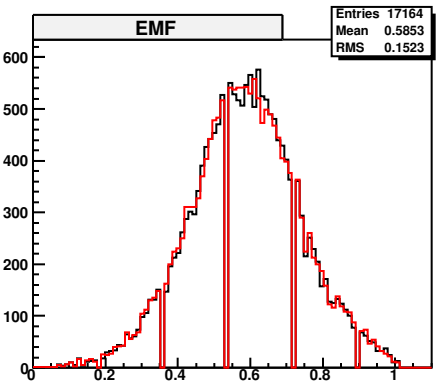
Jets (KT D 1 (no cuts))

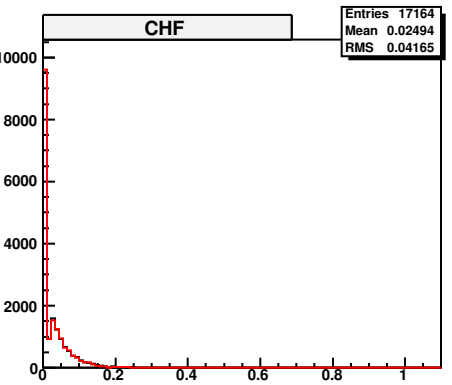


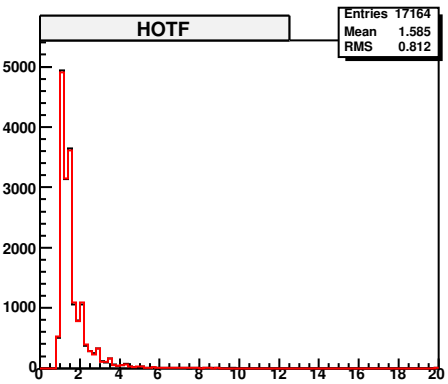


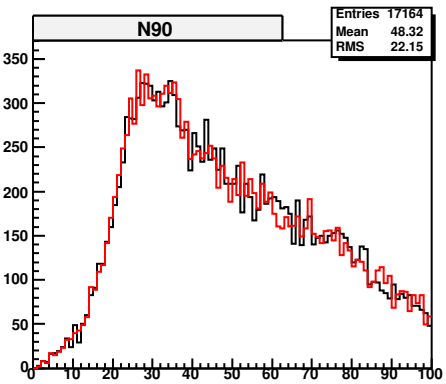


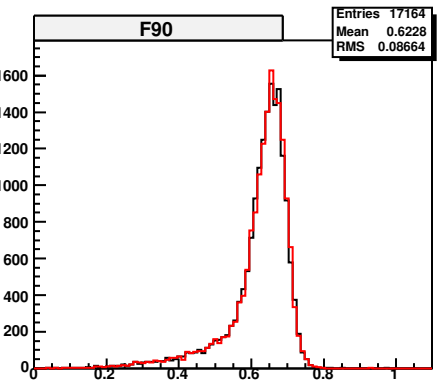


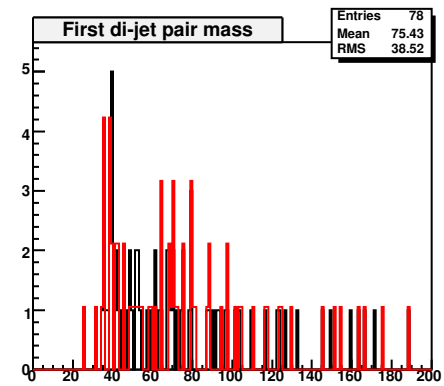


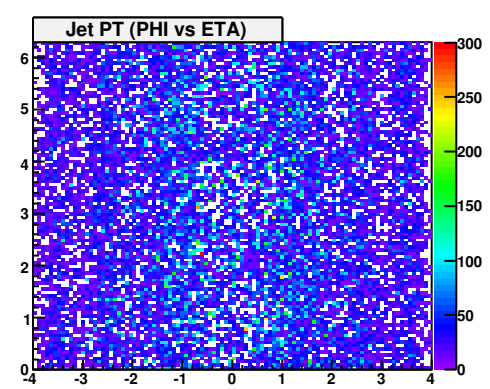




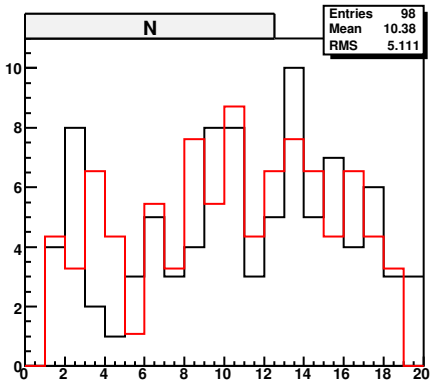


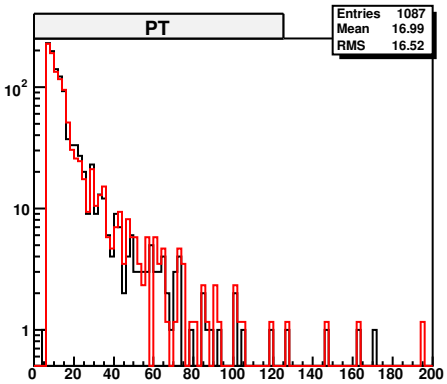


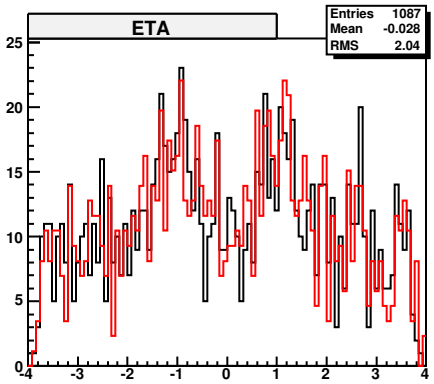


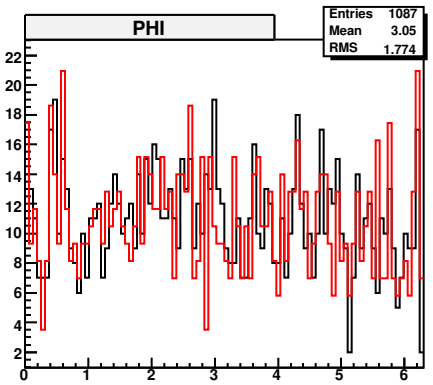


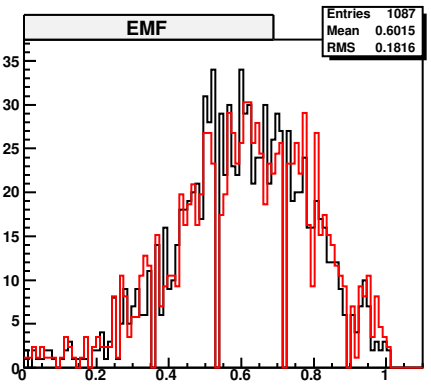
Jets (KT D 1 (standard cuts))

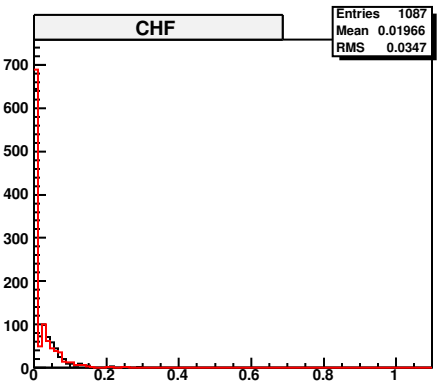


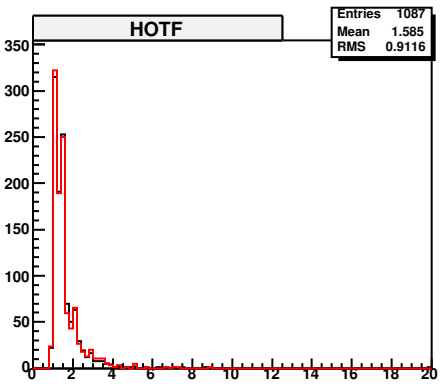


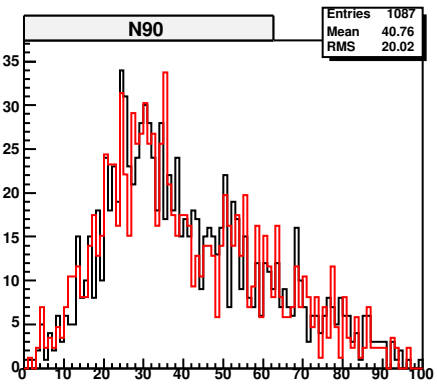


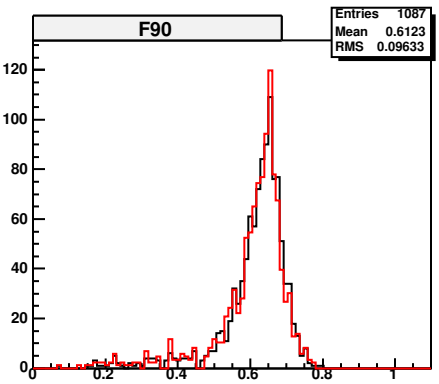


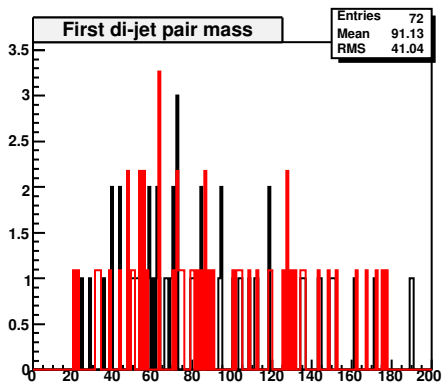


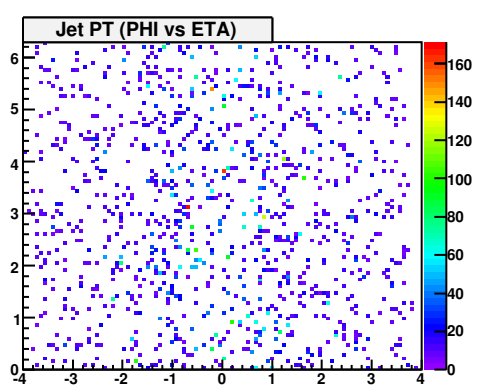




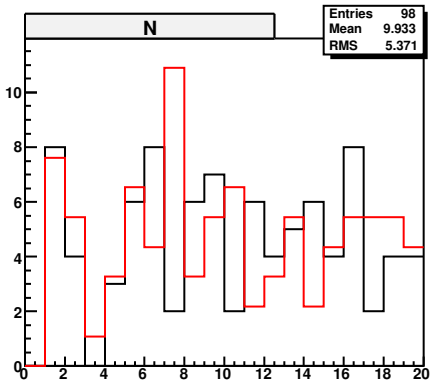


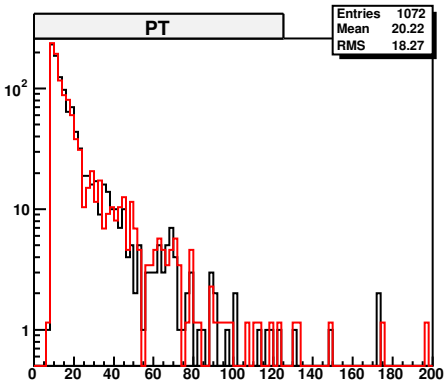


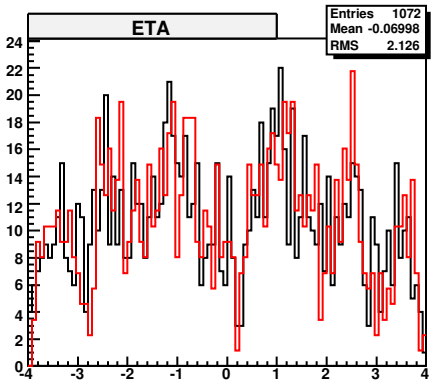


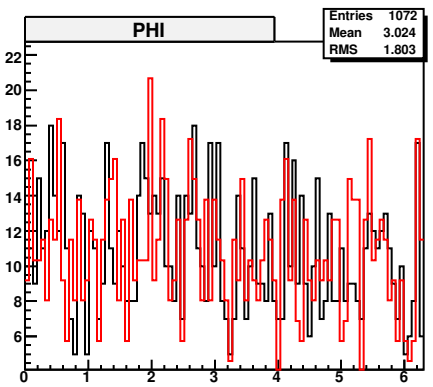


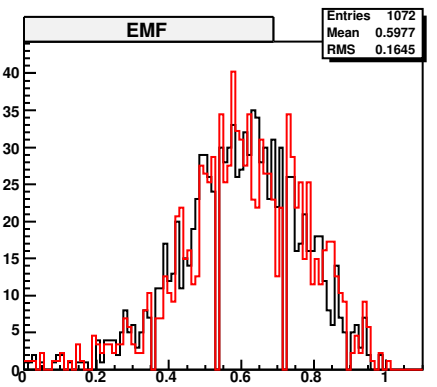
Jets (Cone R 0.7 (standard cuts, MET>30))

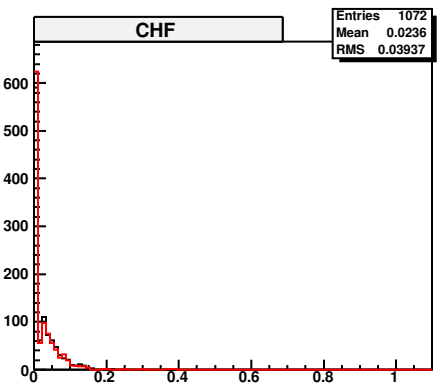


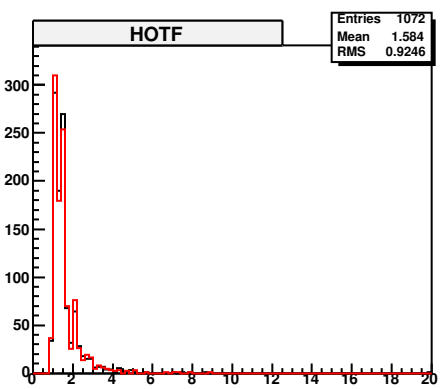


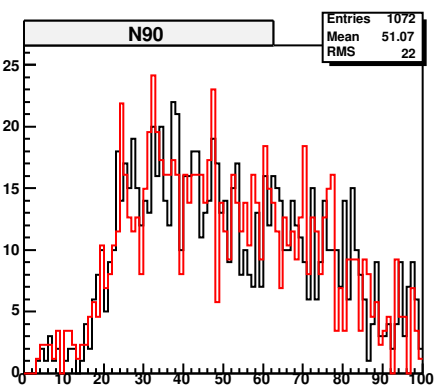


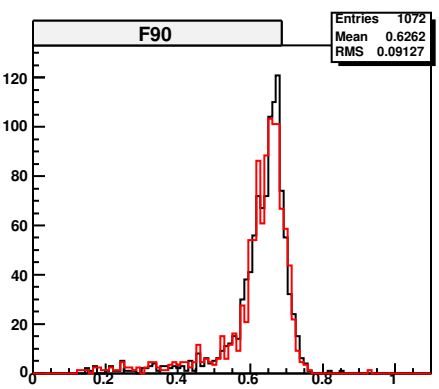


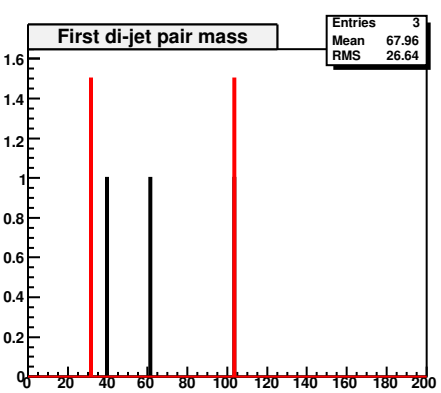


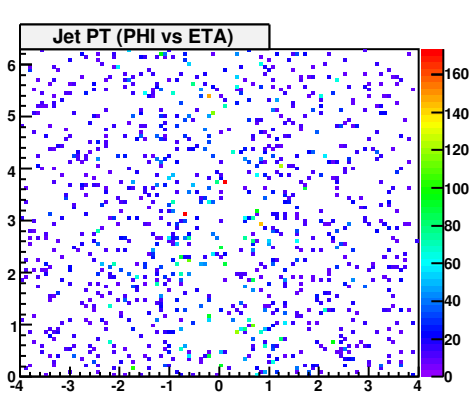




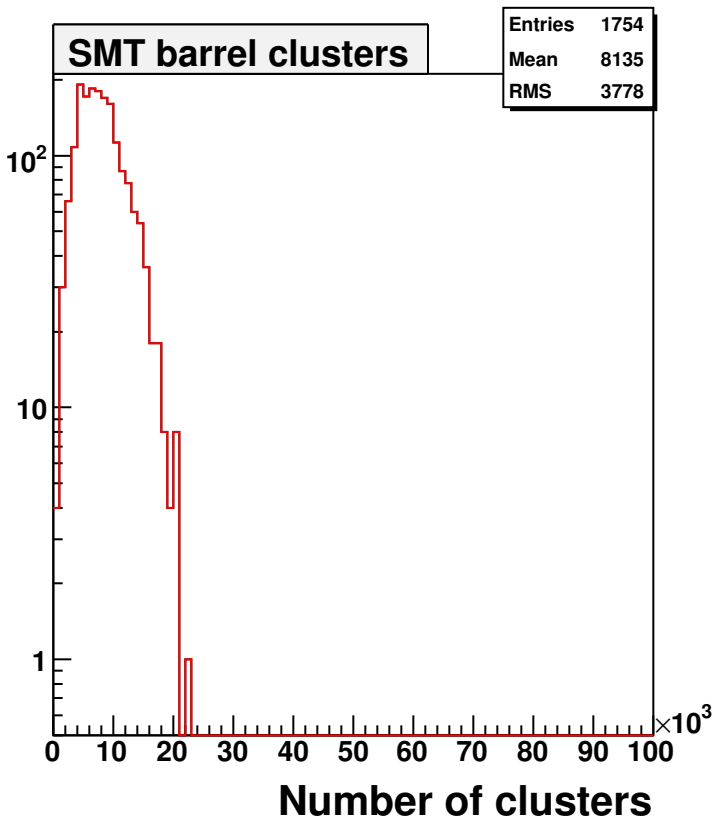


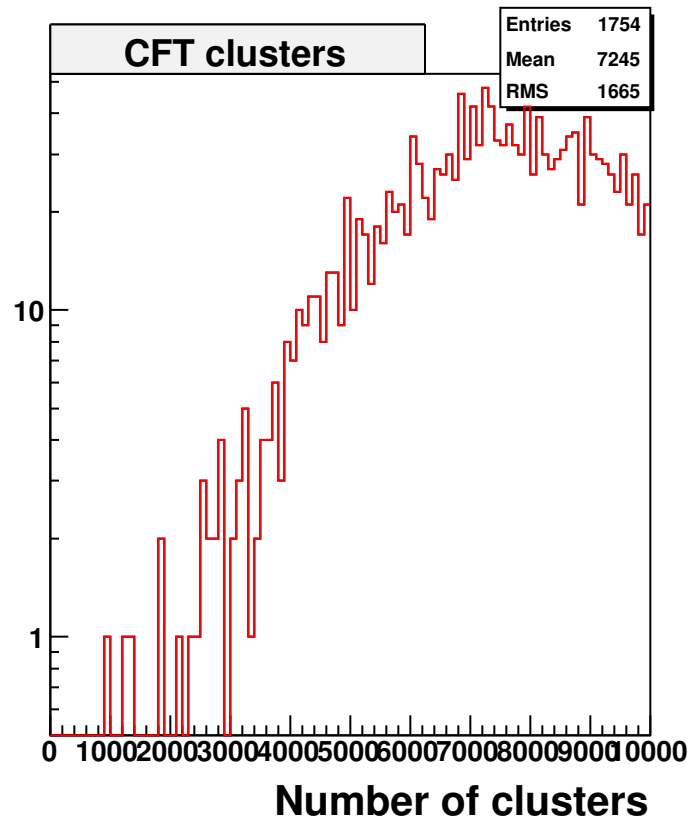


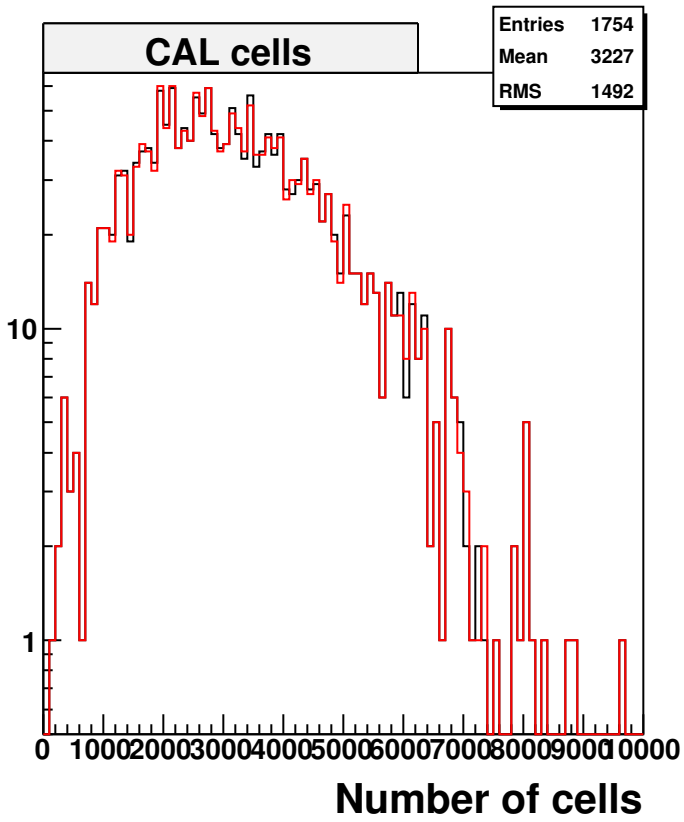


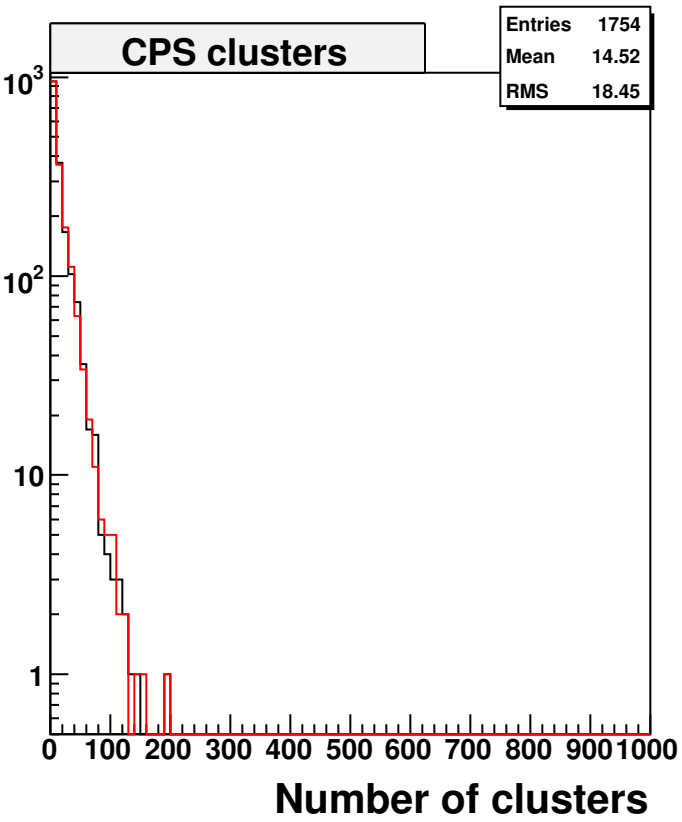


Jets (KT D 1 (standard cuts, MET>30))

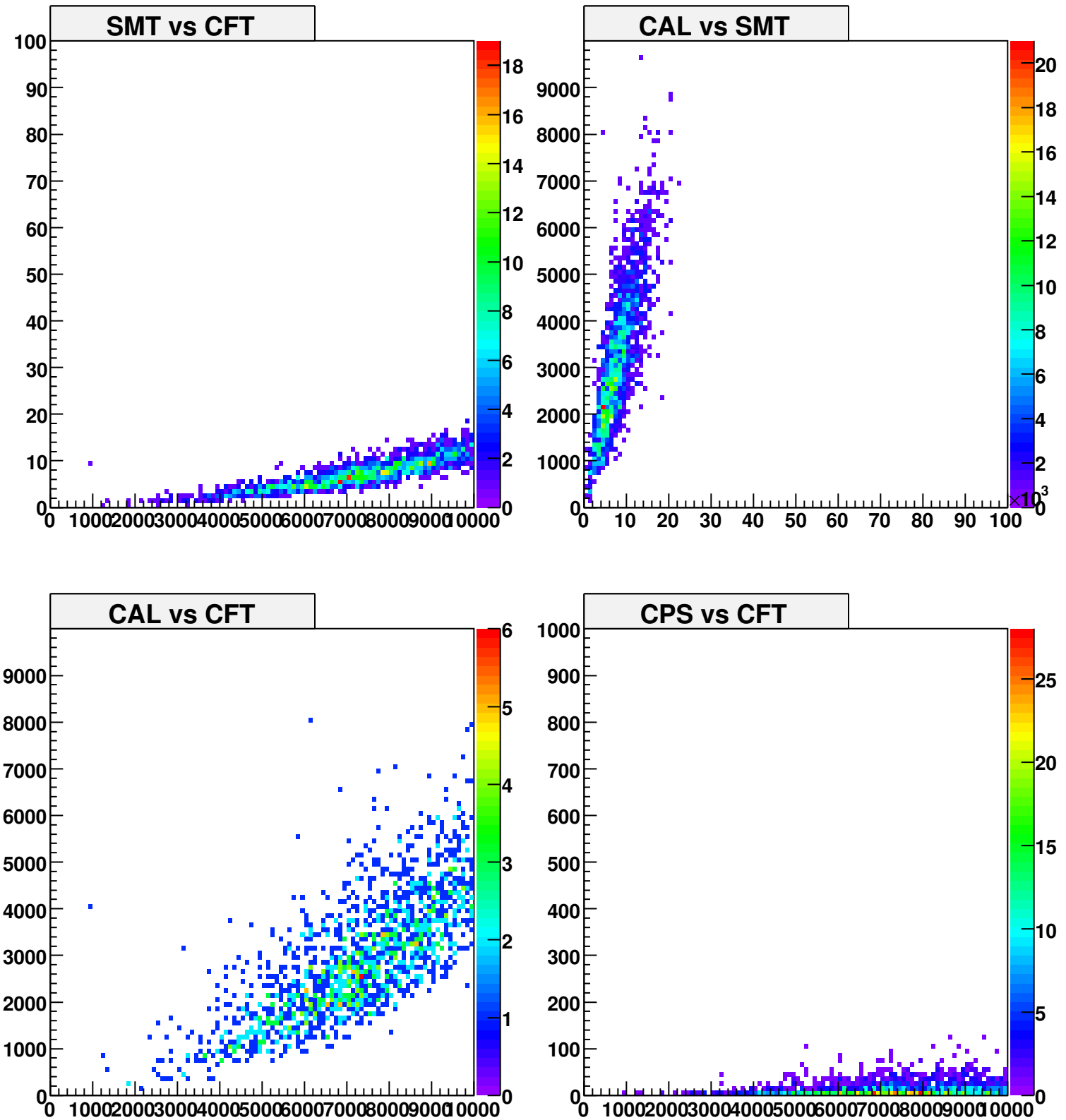


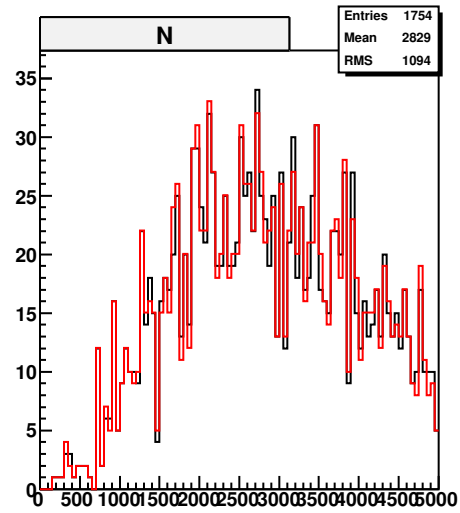


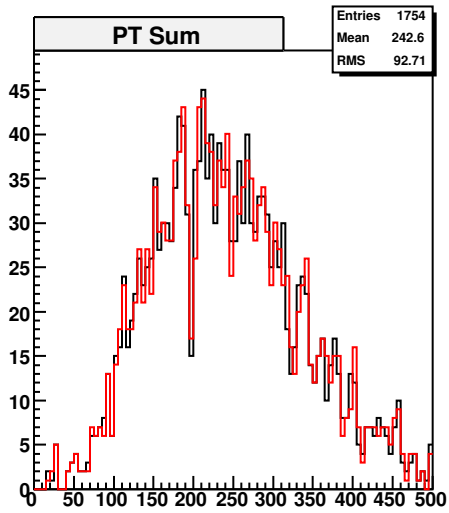


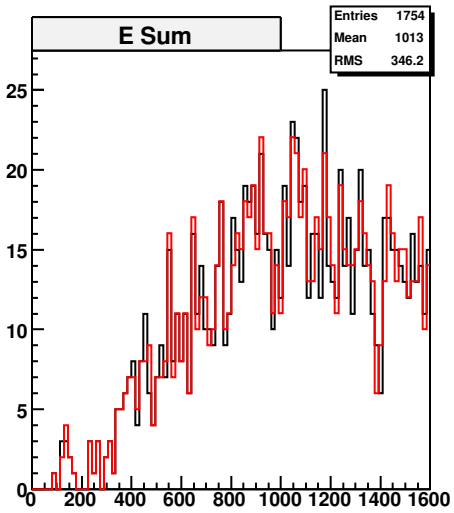


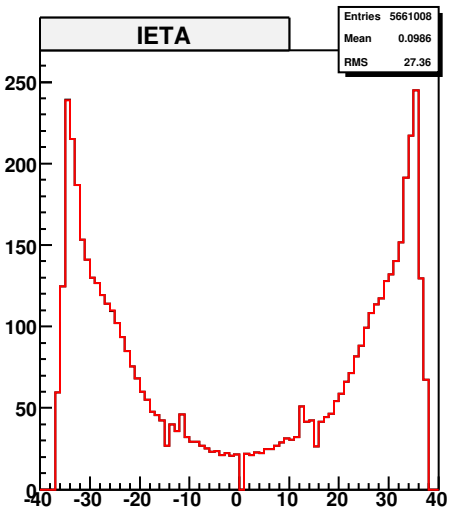
Detector Occupancy (Detector)

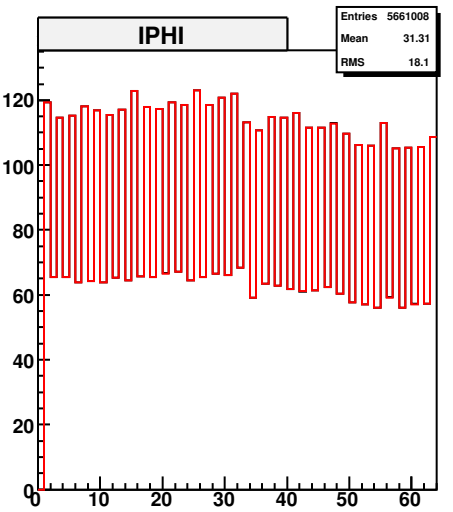

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

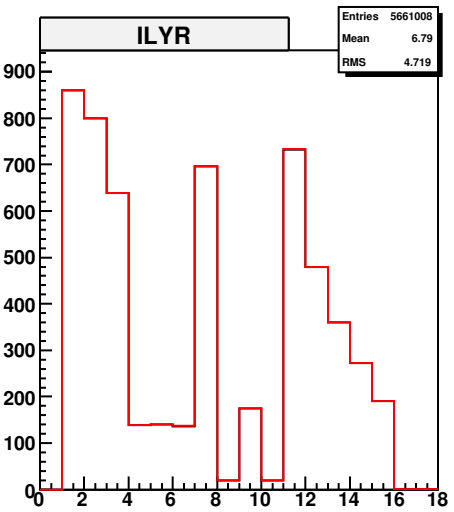


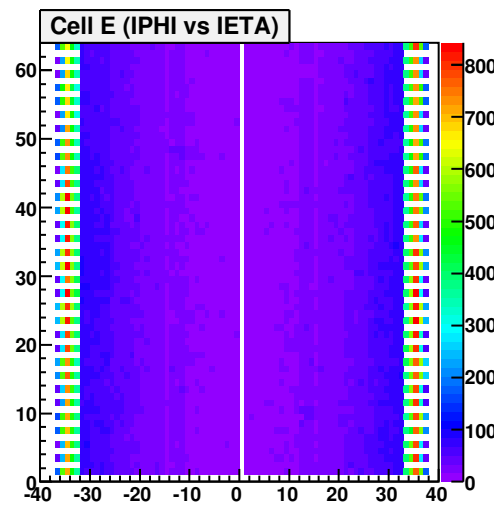


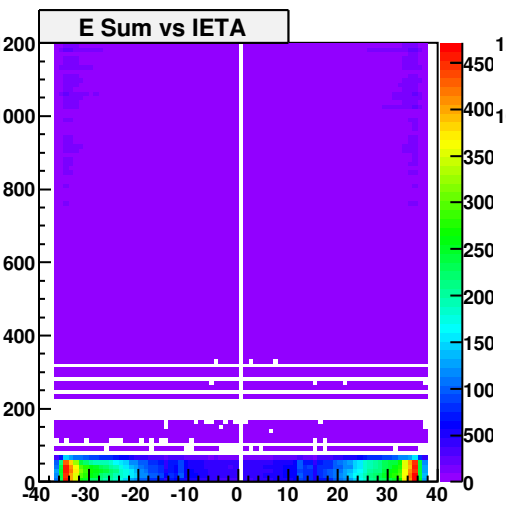


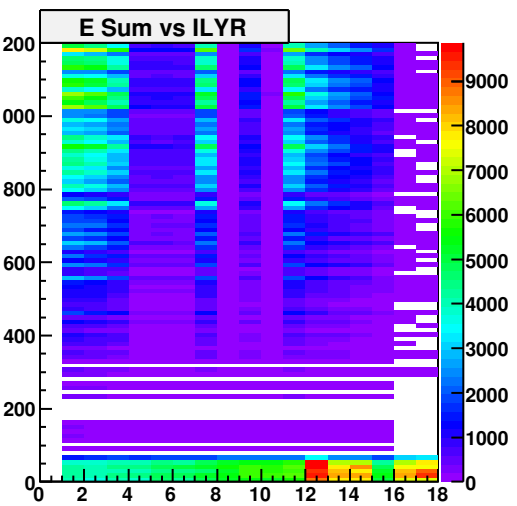




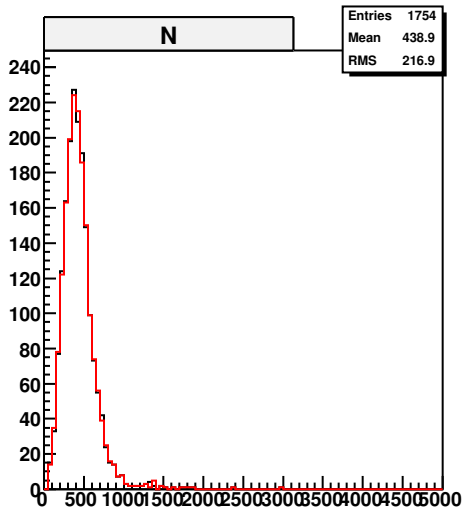


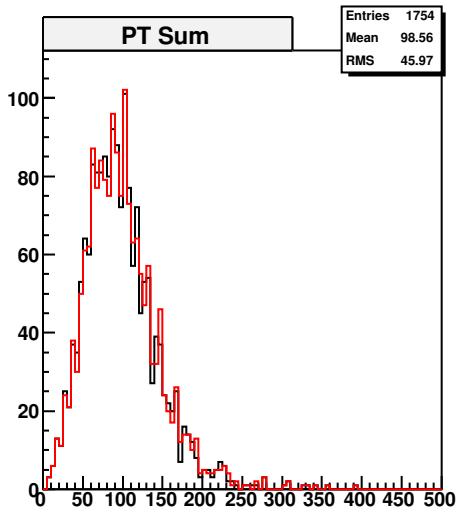


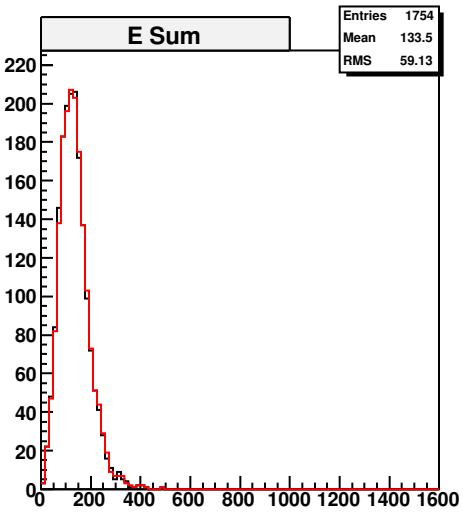


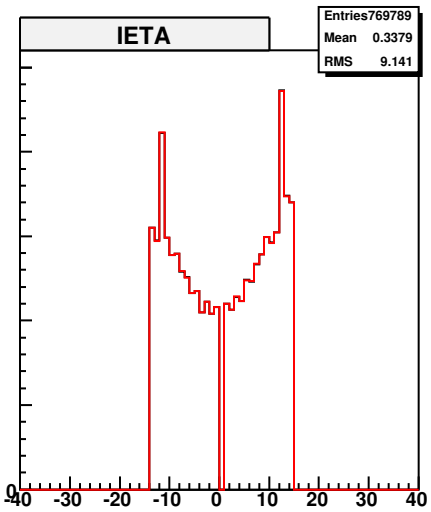


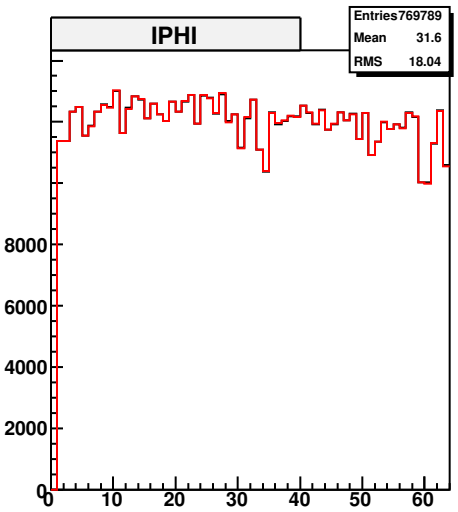
Calorimeter (All cells)

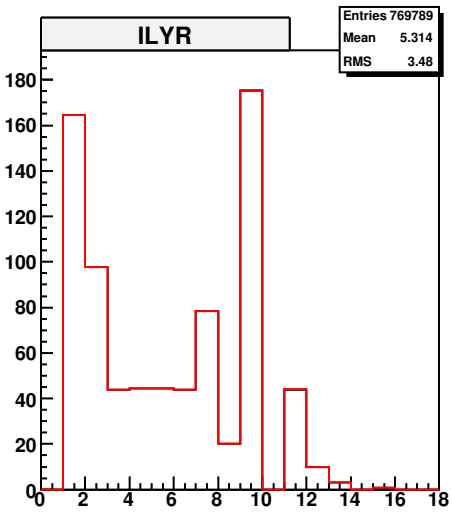


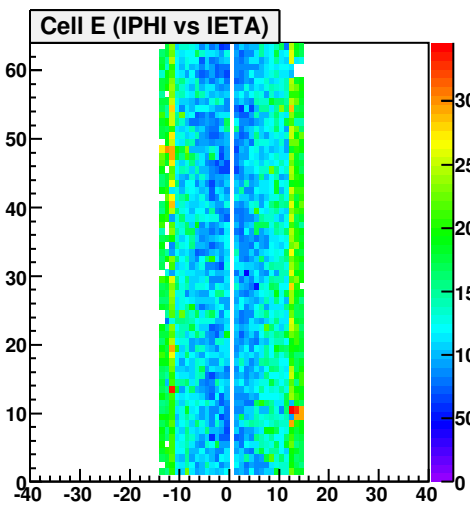


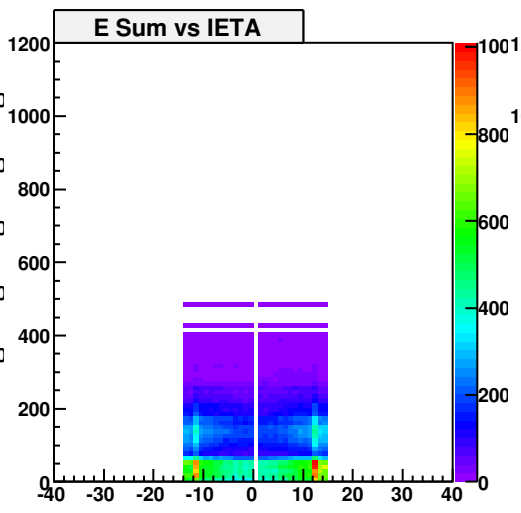


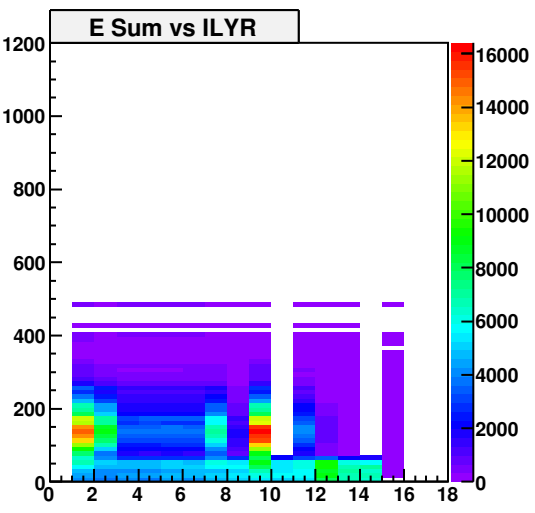




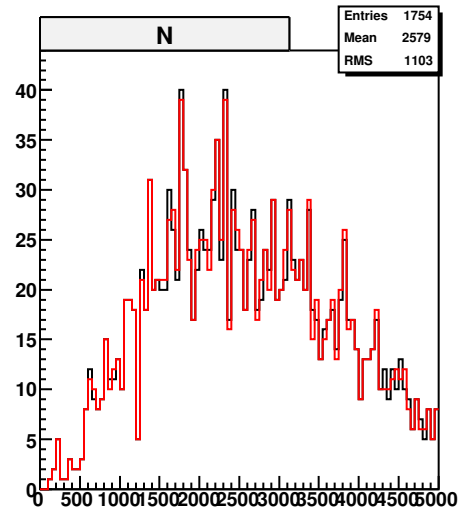


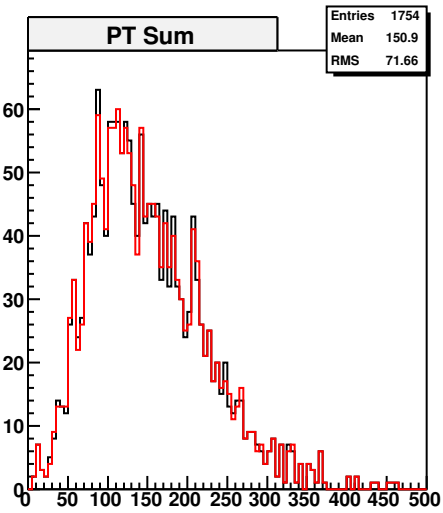


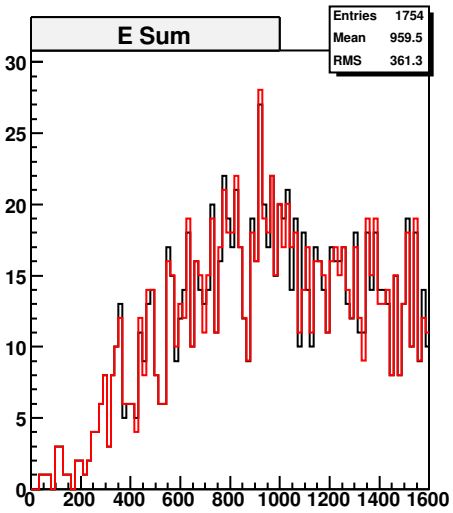


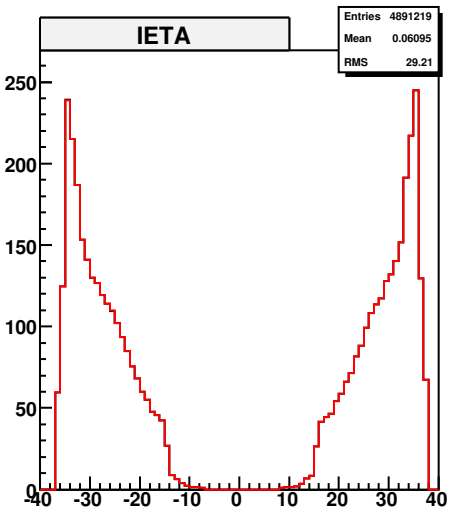


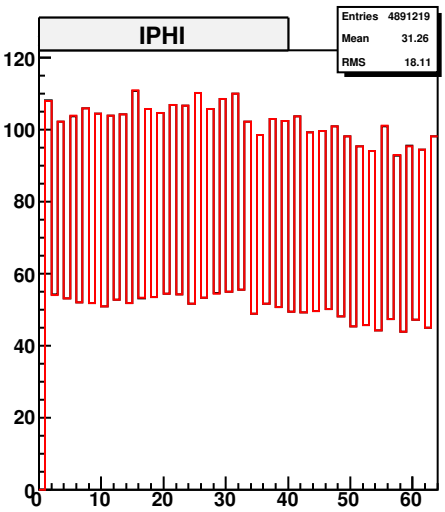
Calorimeter (All CC cells)

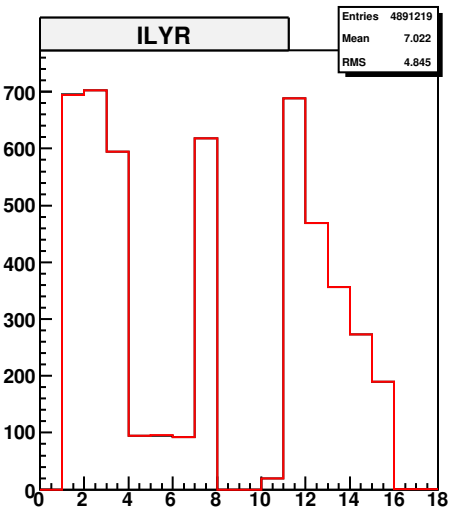


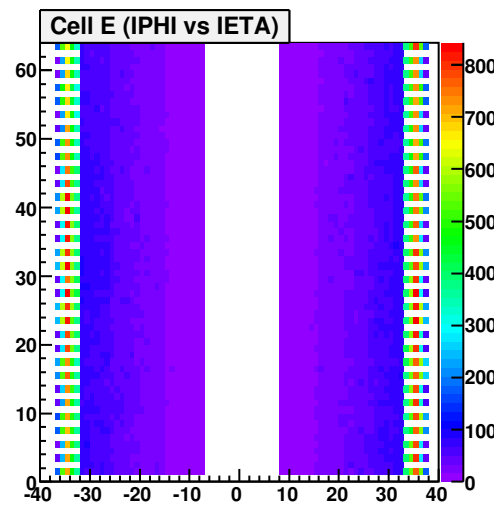


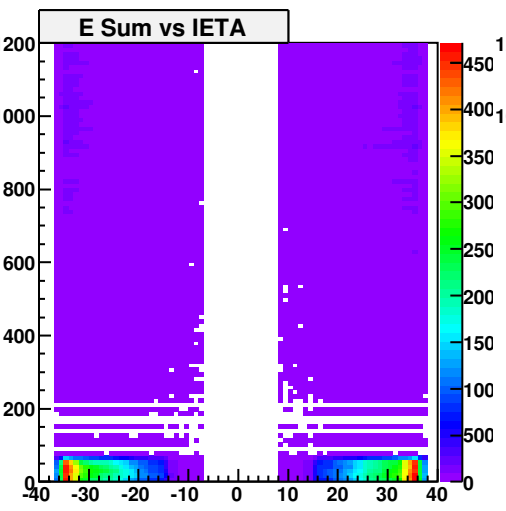


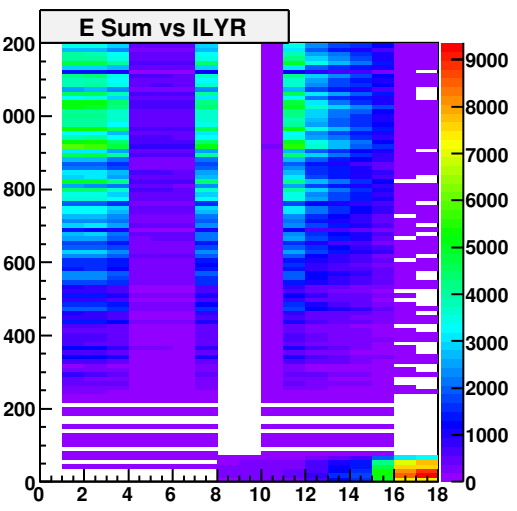




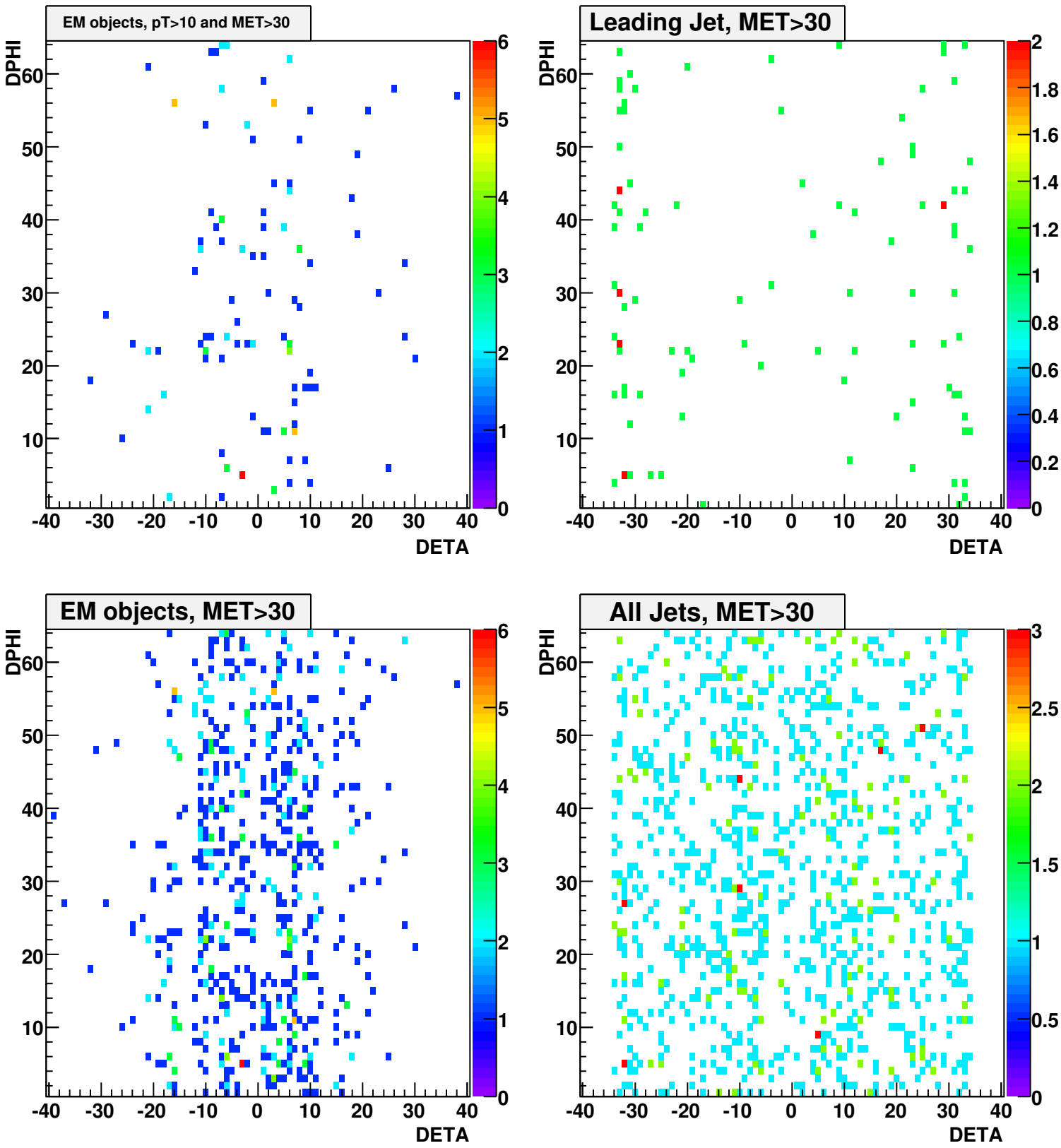




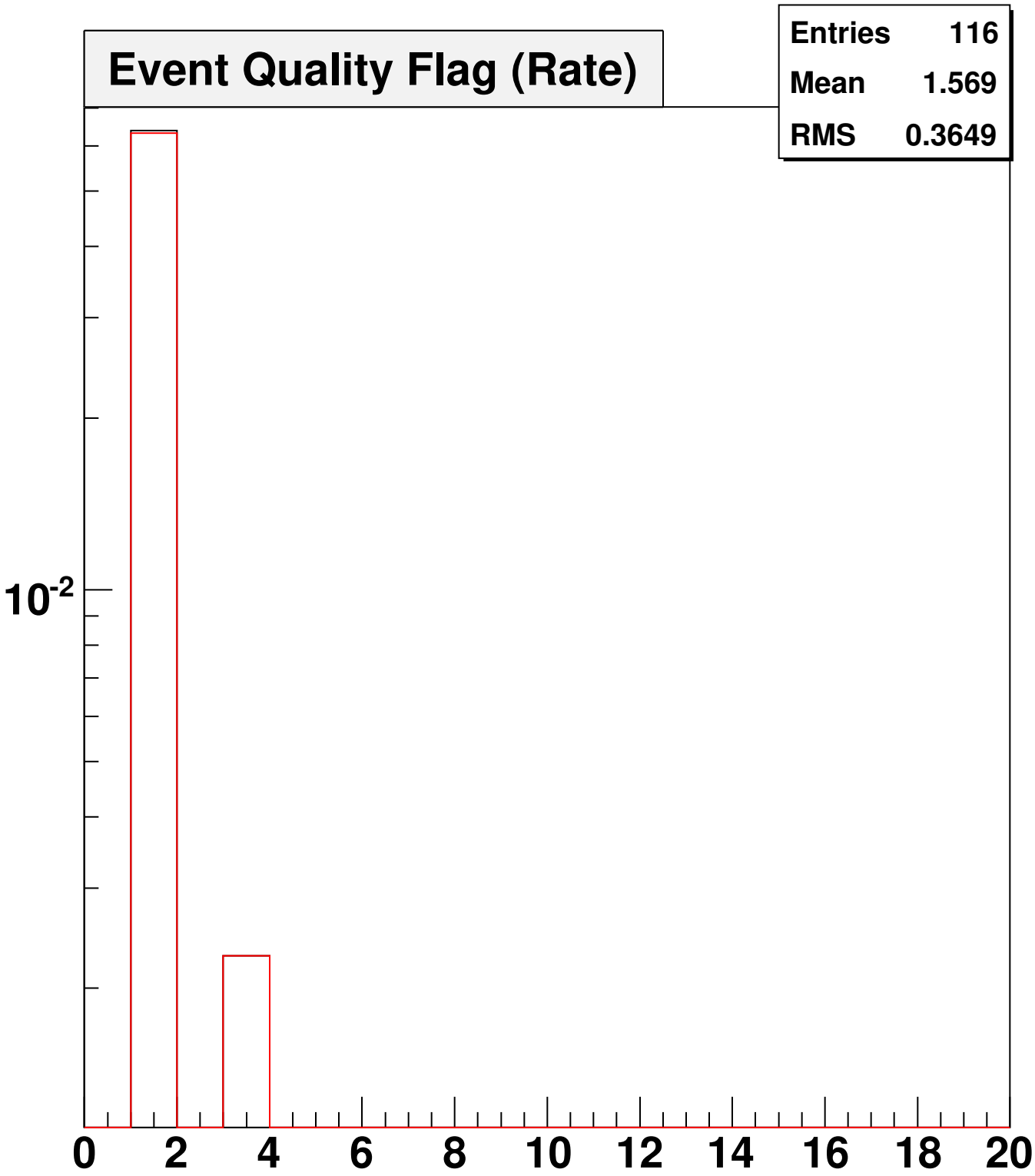


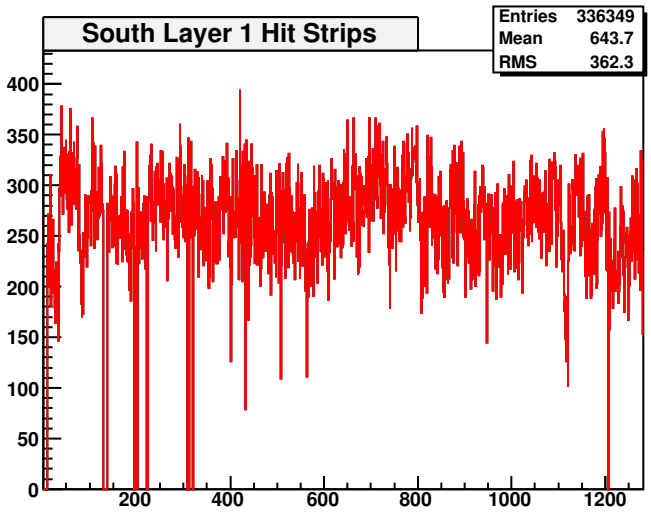


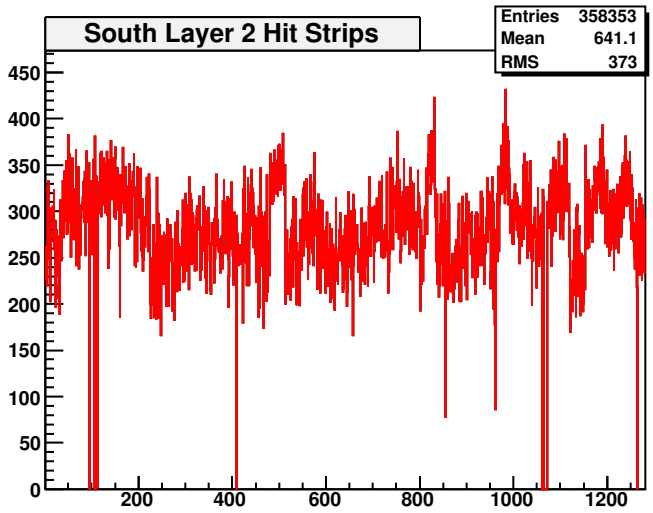
Calorimeter (All EC cells)

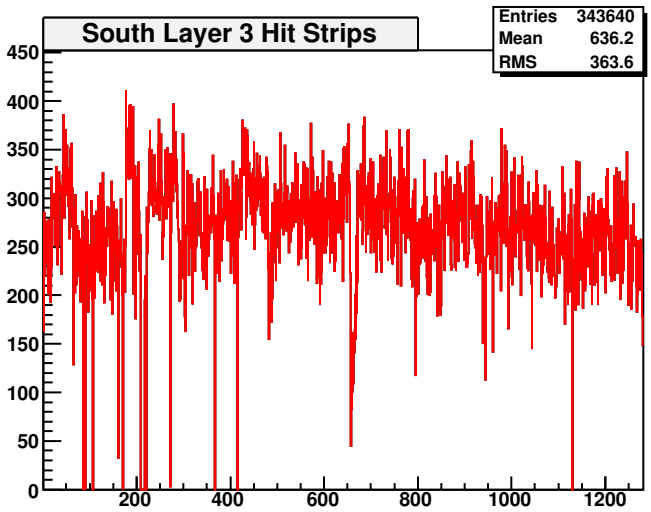


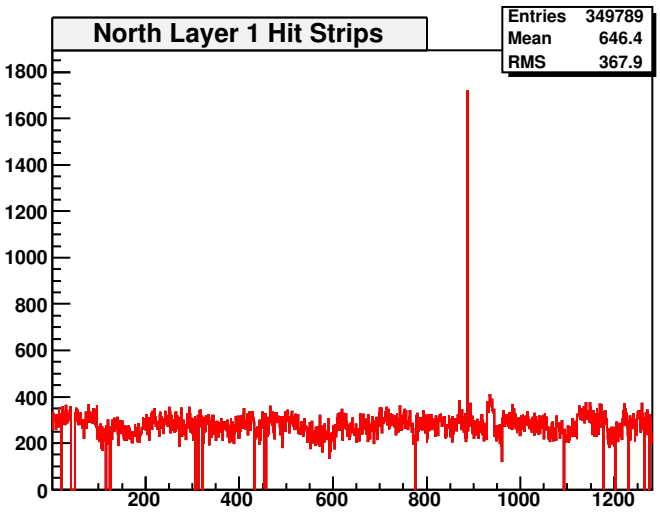
Cal Objects with MET>30 (All cells)

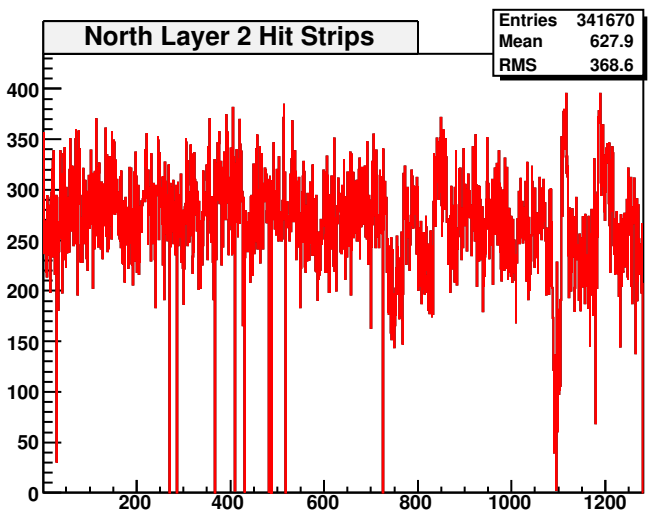

Event Quality Flag (Rate)
Entries 116
Mean 1.569
RMS 0.3649
10^-2
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

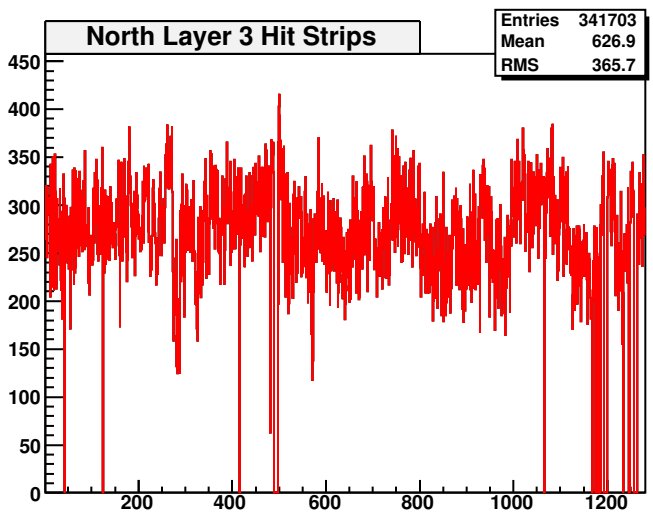




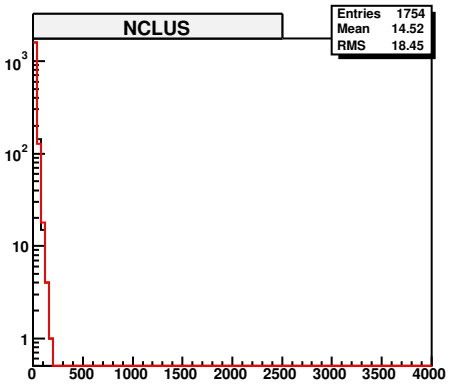


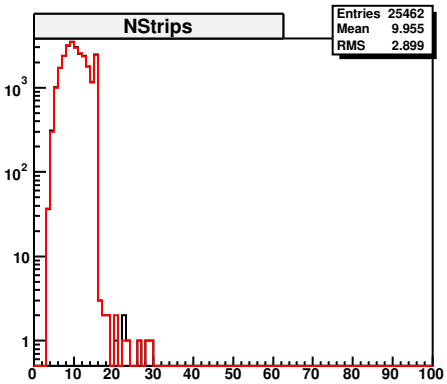


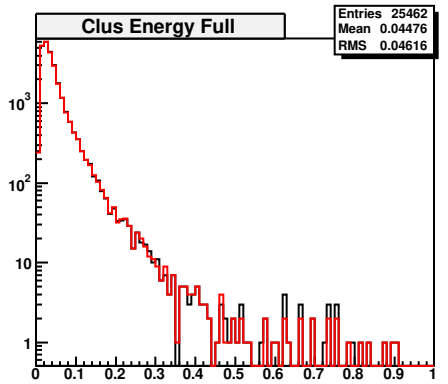


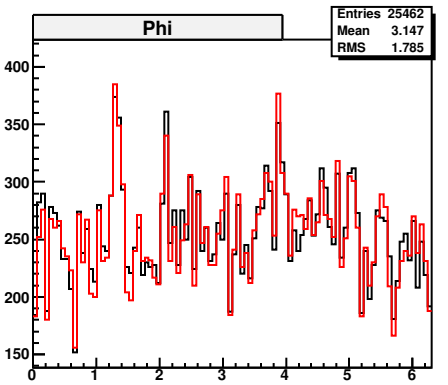


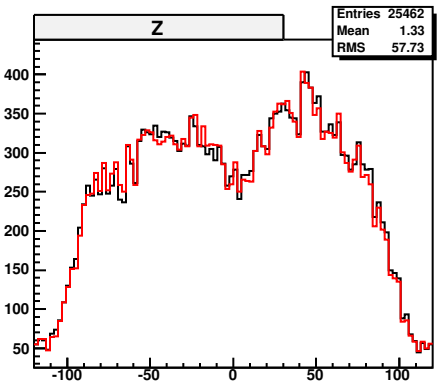
CPS Hit Strips (All Clusters)

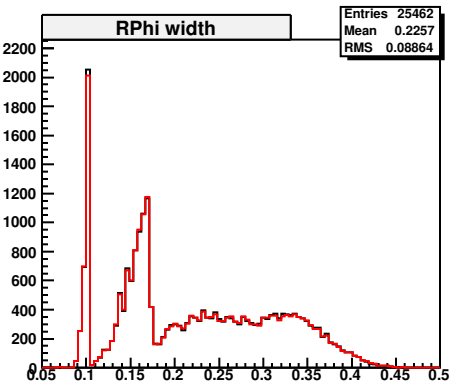


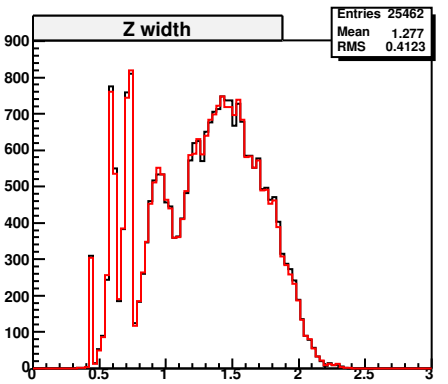


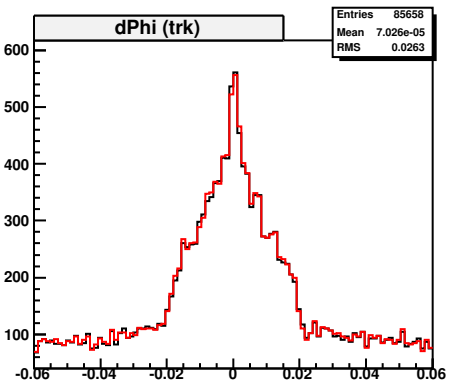


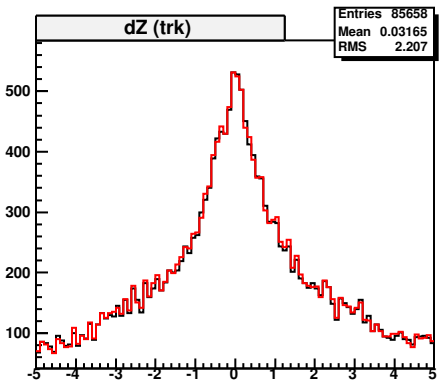


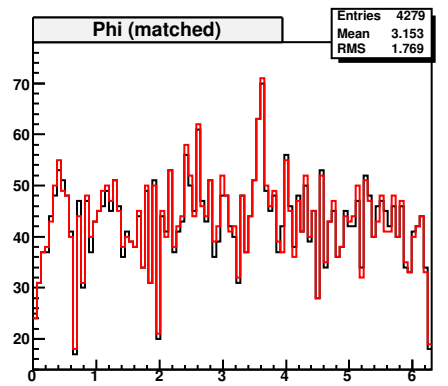


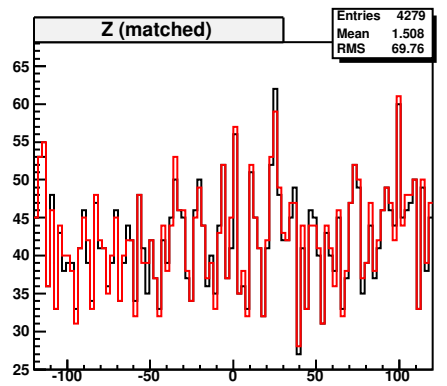




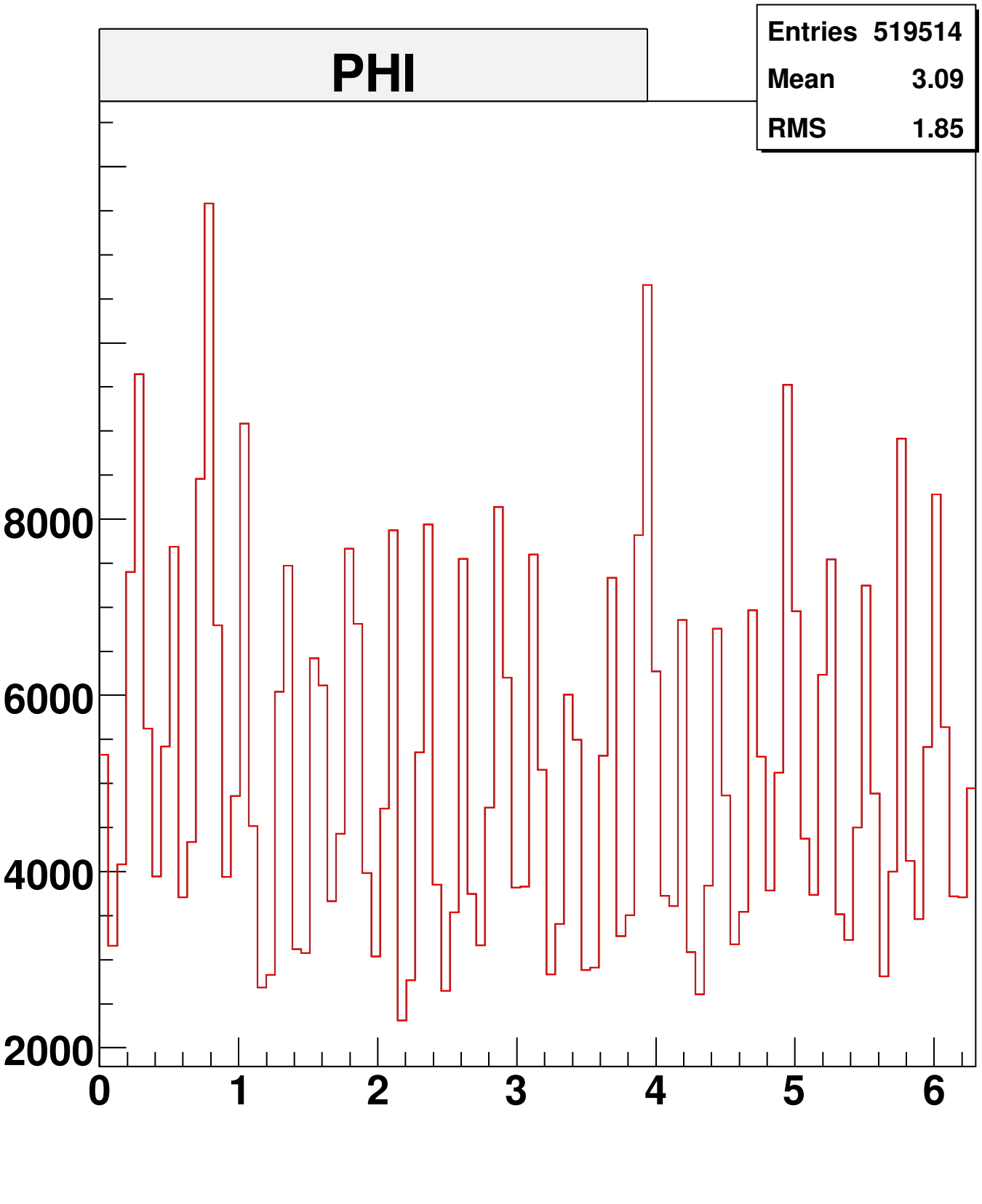


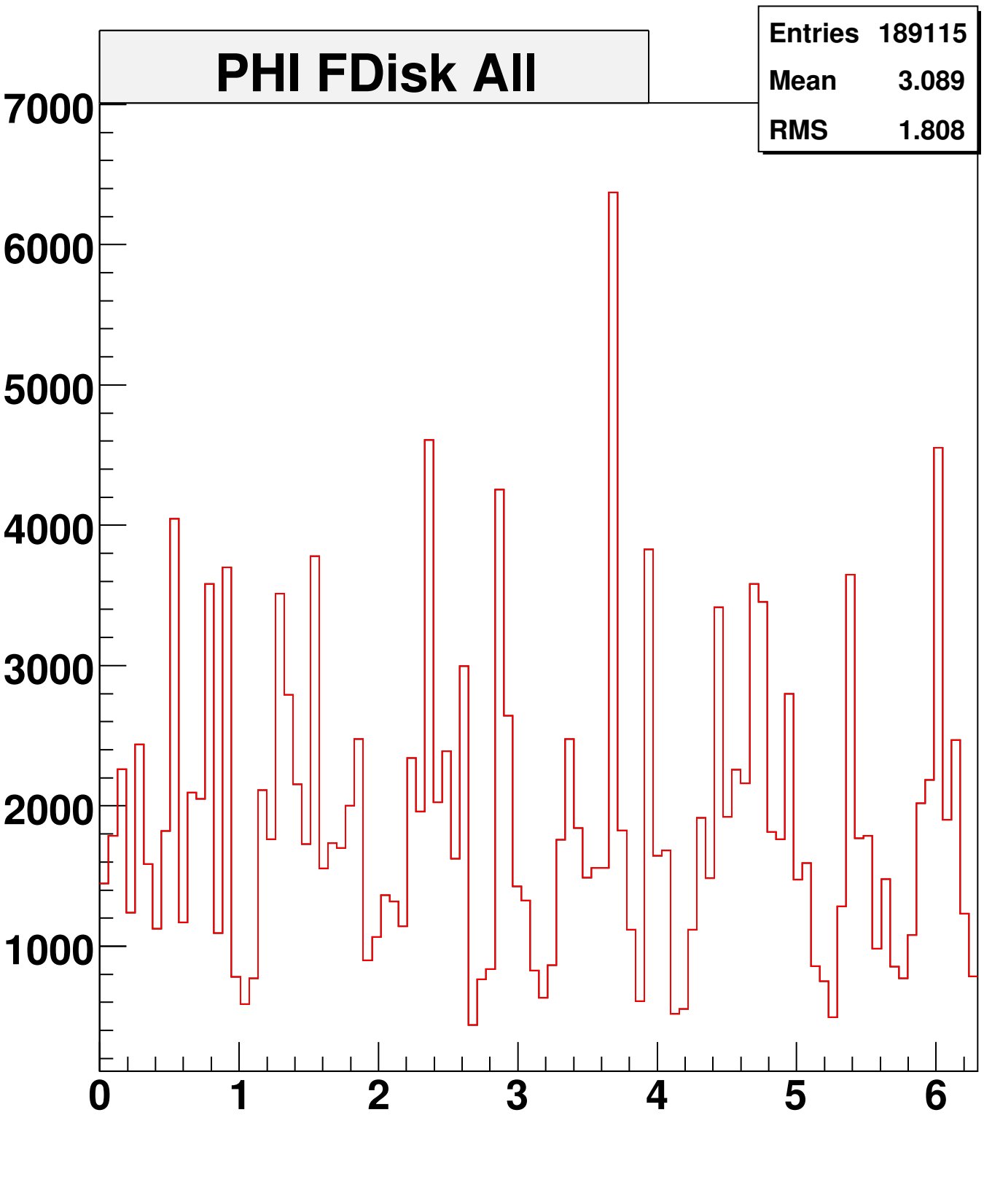






CPS Clusters (All Clusters)


PHI
Entries 519514
Mean 3.09
RMS 1.85
8000
6000
4000
2000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 189115
Mean 3.089
RMS 1.808
7000
6000
5000
4000
3000
2000
1000
0
1
2
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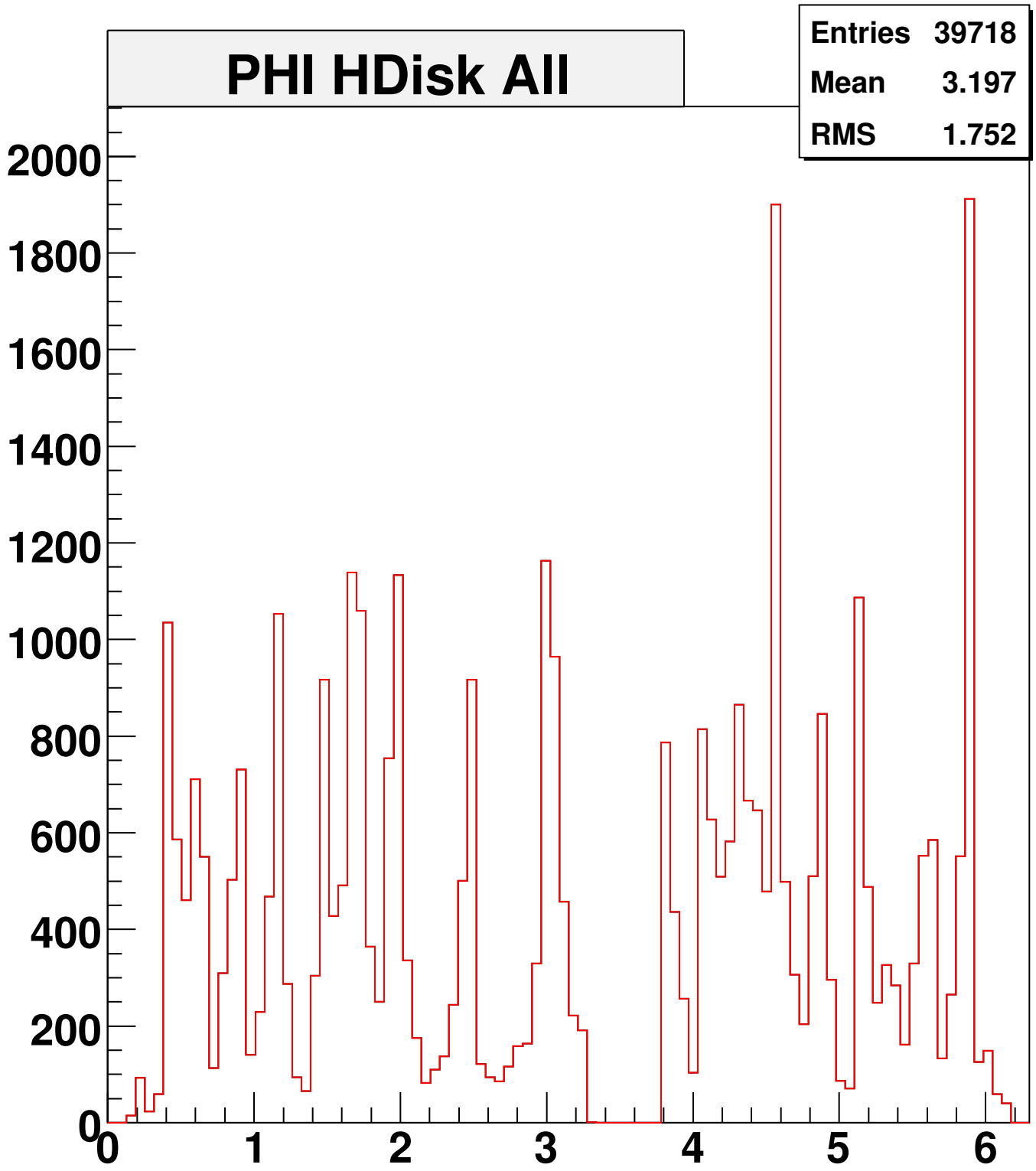
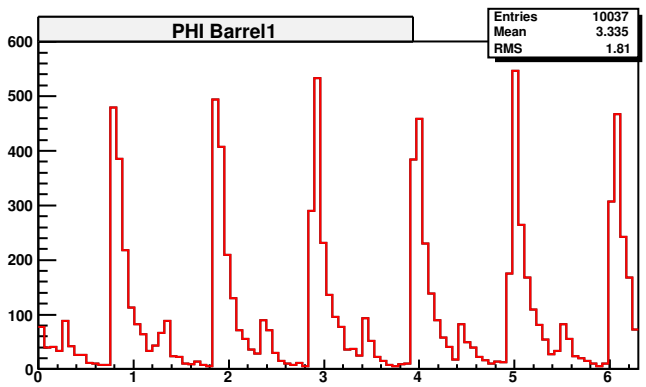
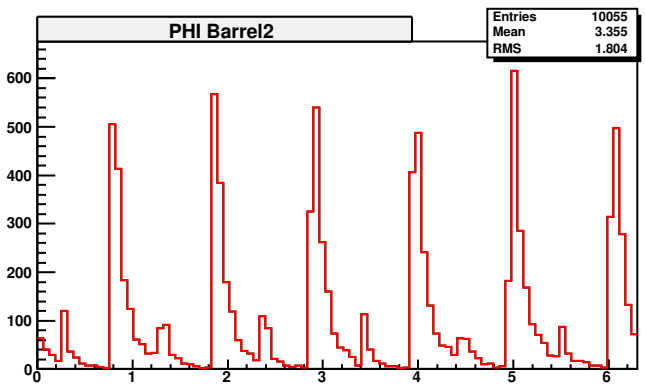
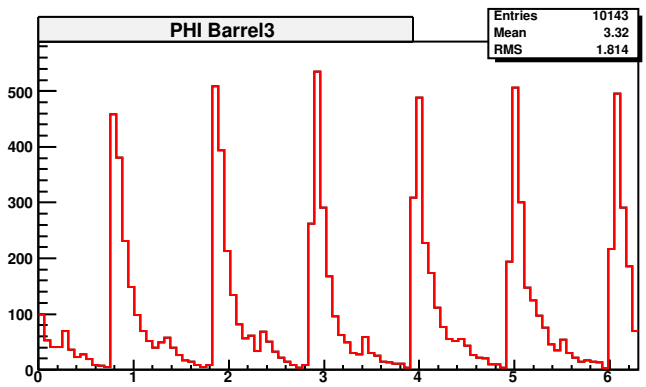
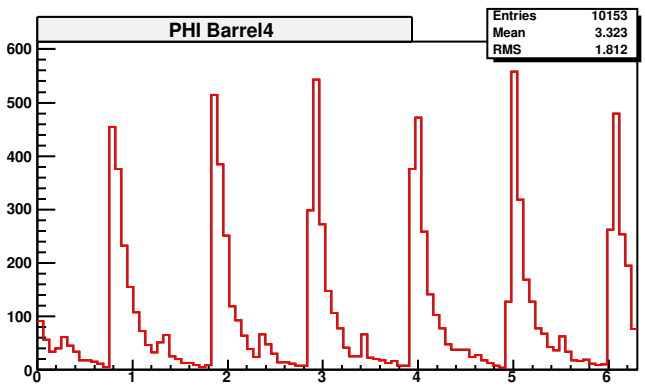
5
6
SmtClusters (allFDiskClusters)

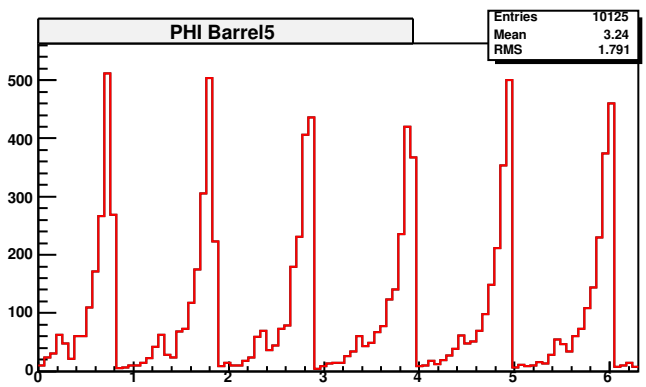

PHI HDisk All
Entries 39718
Mean 3.197
RMS 1.752
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

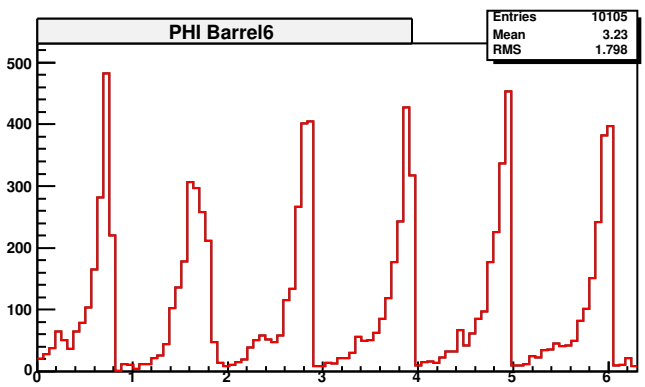


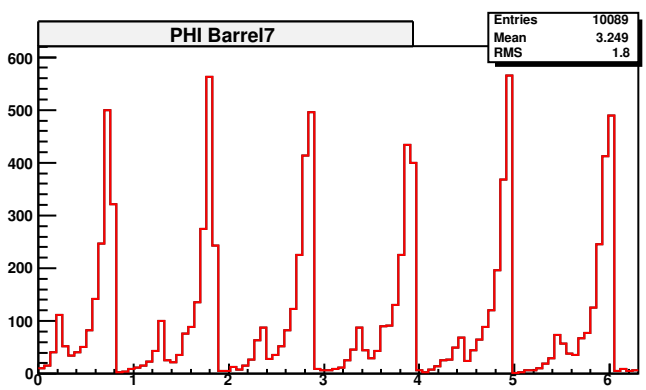


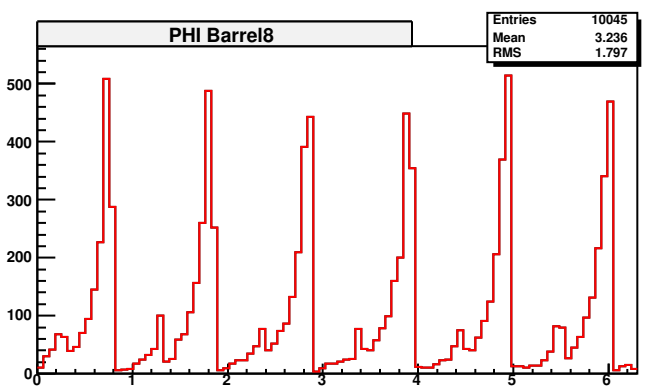




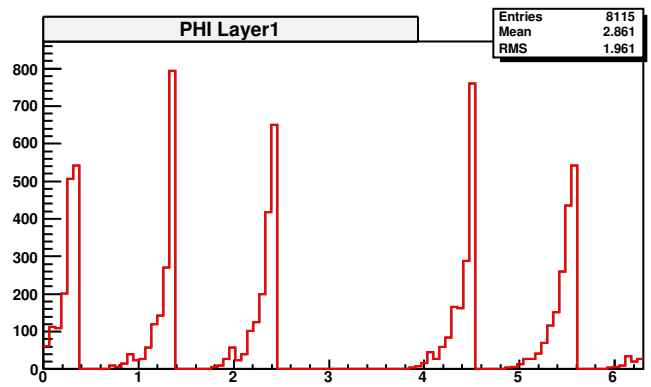


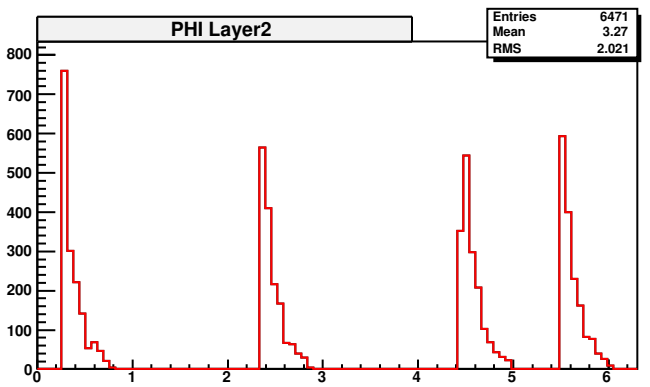


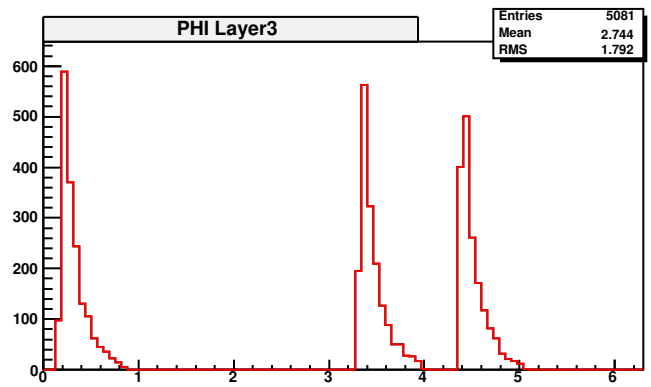


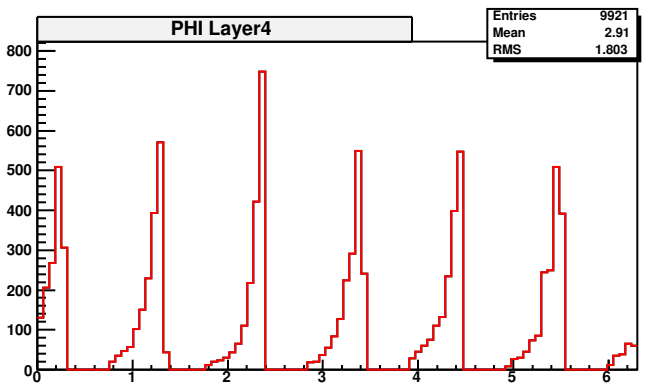


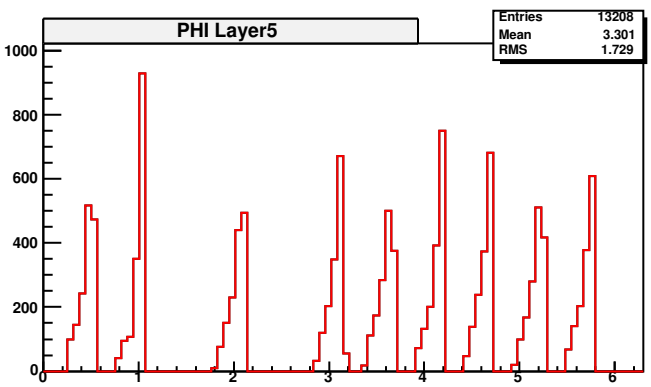
SmtClusters (ClustrLayer0)

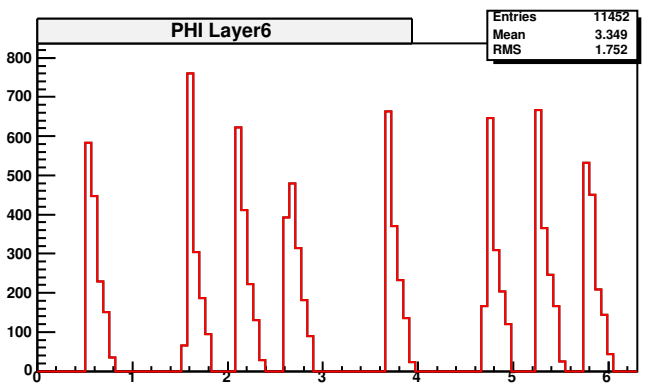


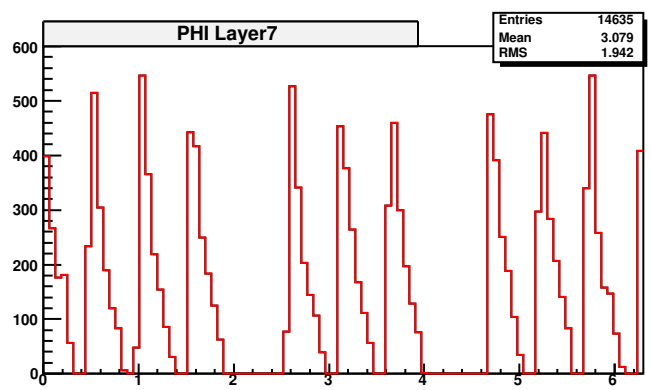


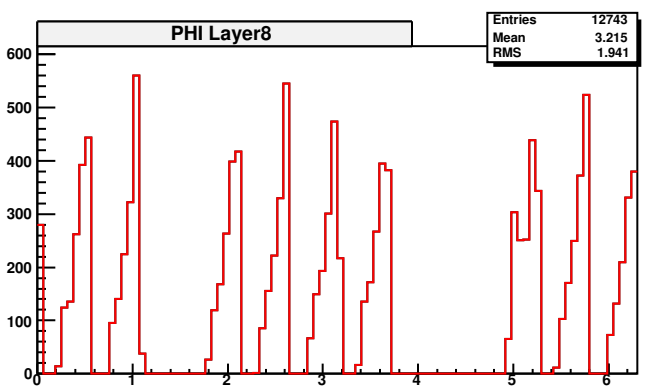




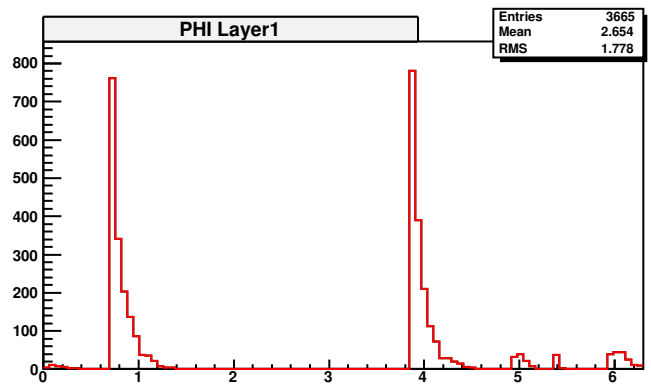


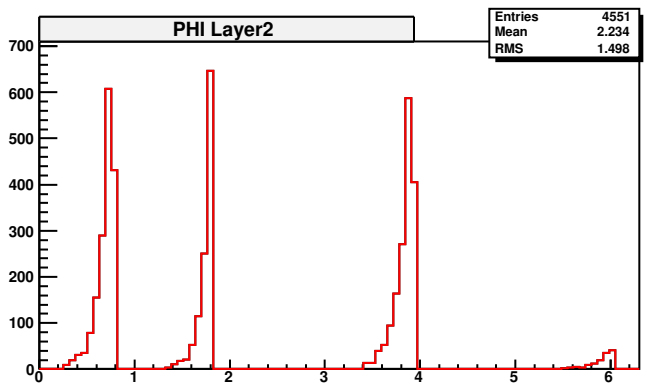


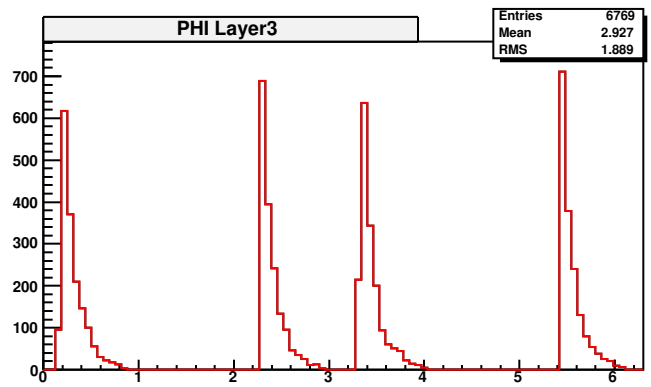


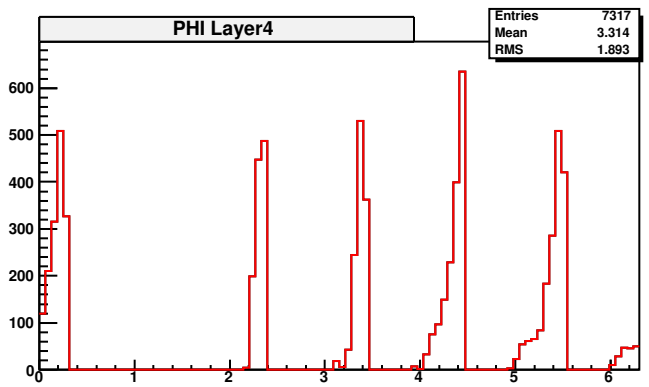


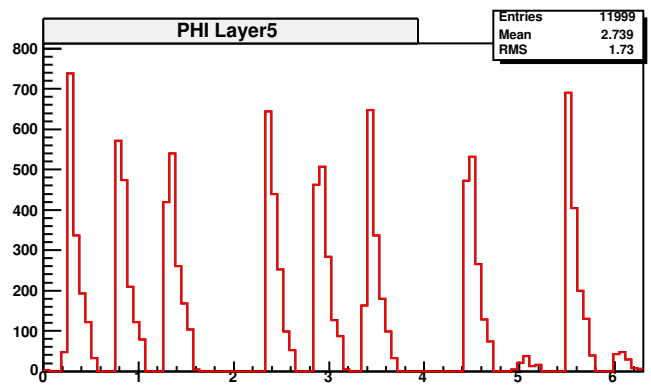
SmtClusters (ClustrBar1)

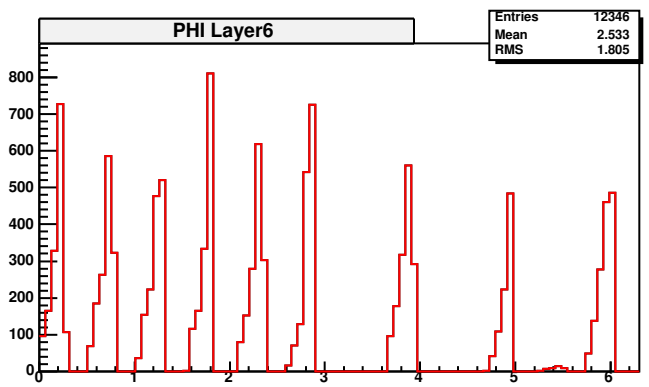


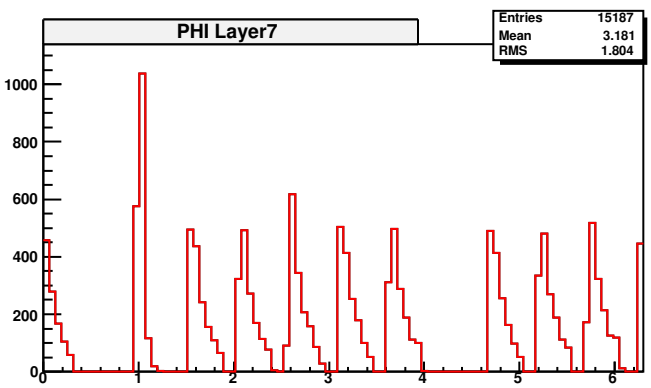


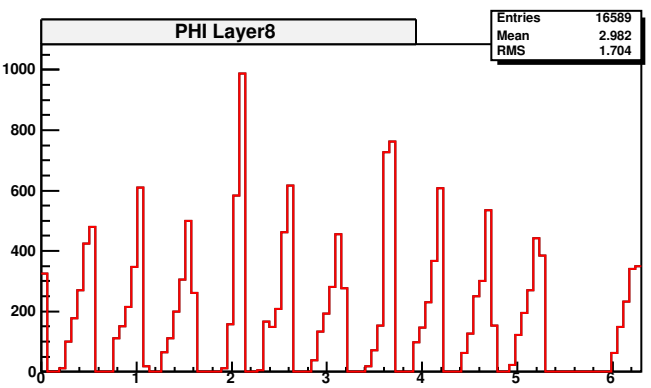




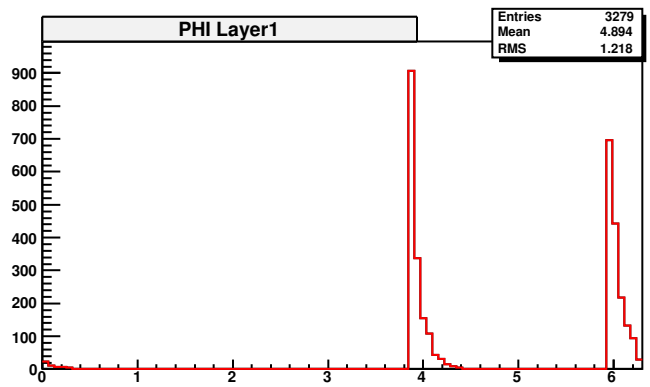


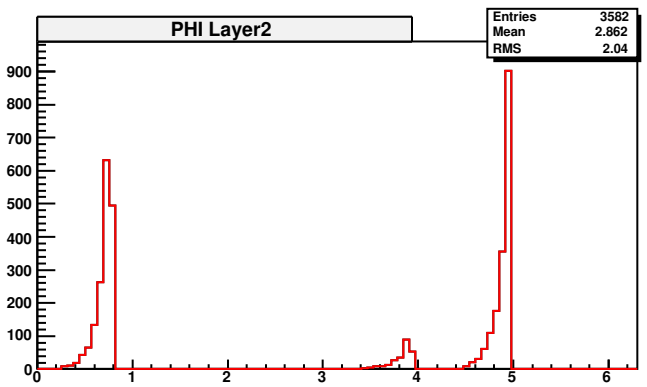


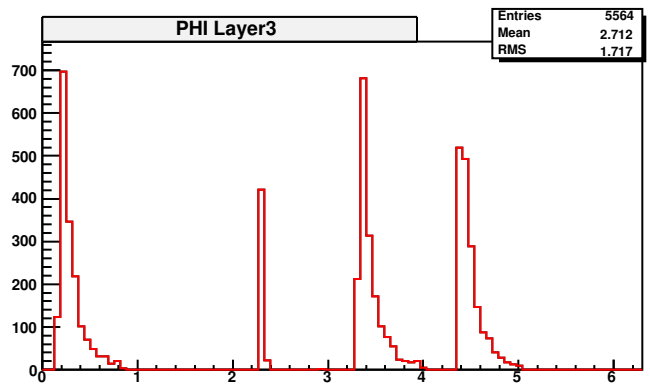


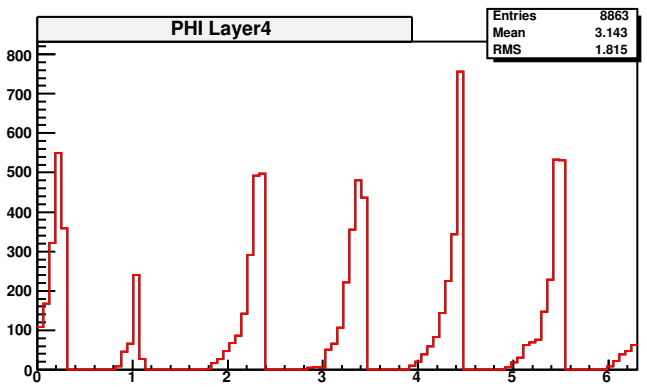


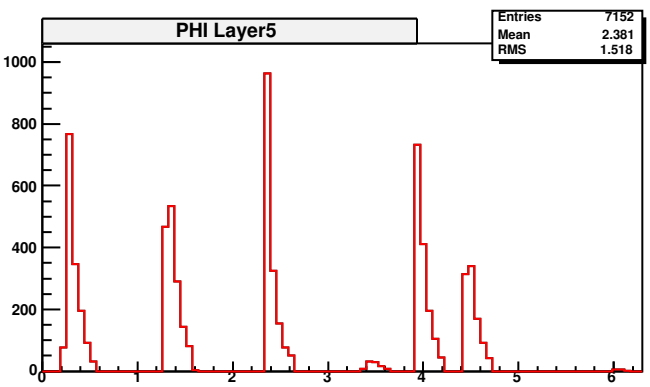
SmtClusters (ClustrBar2)

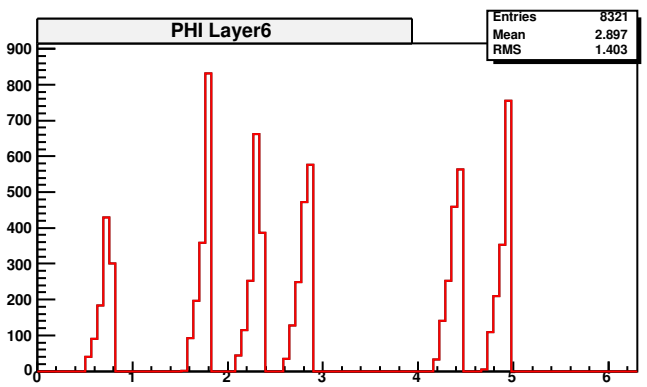


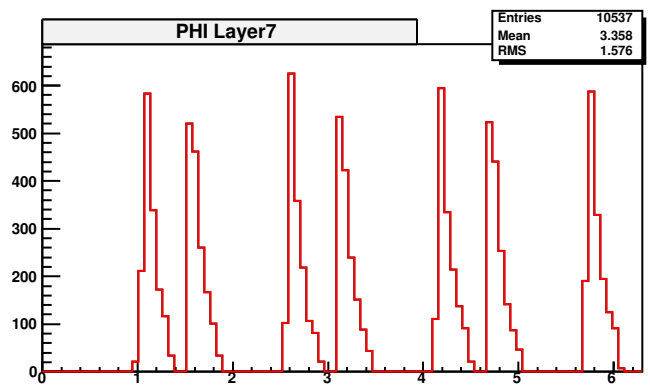


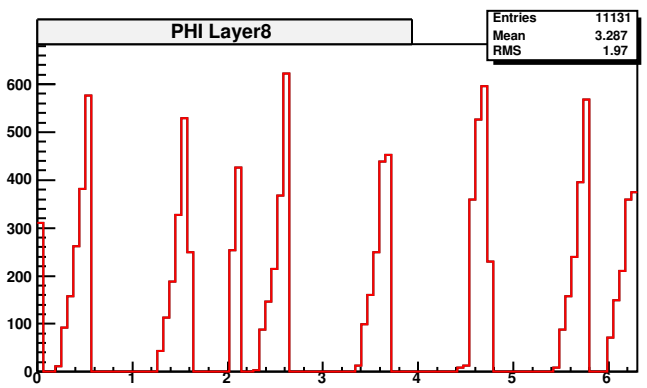




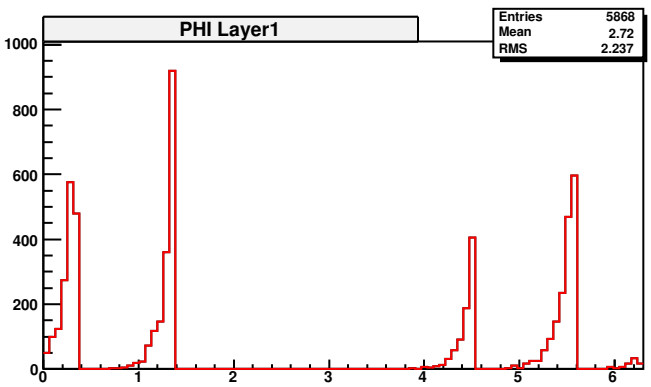


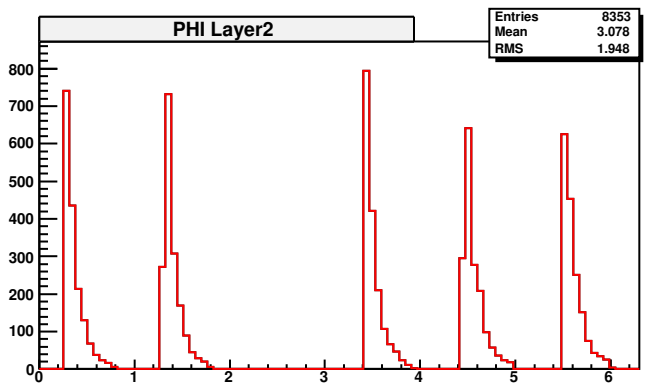


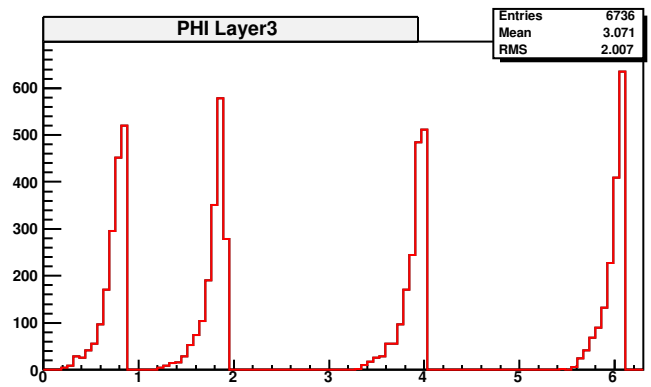


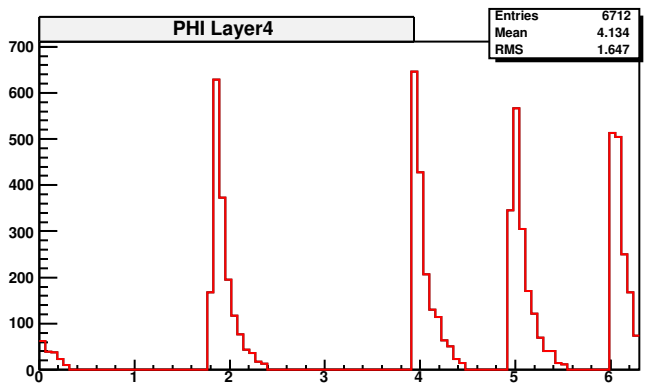


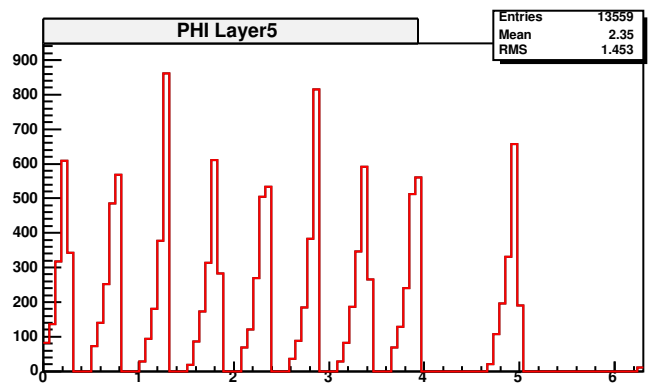
SmtClusters (ClustrBar3)

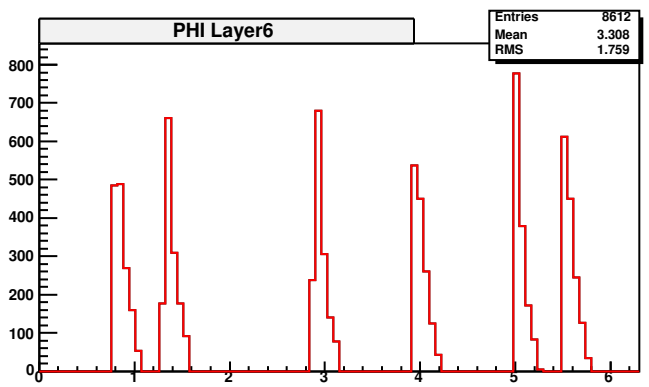


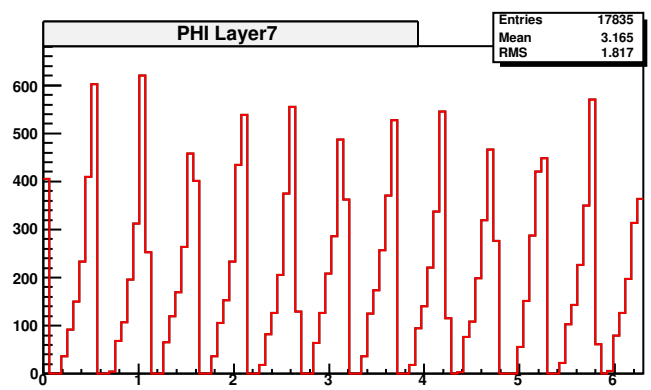


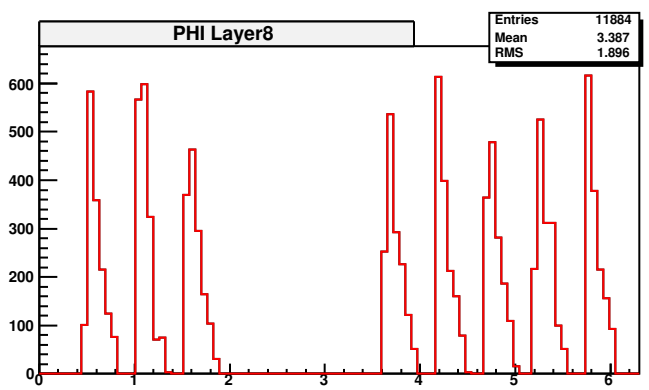




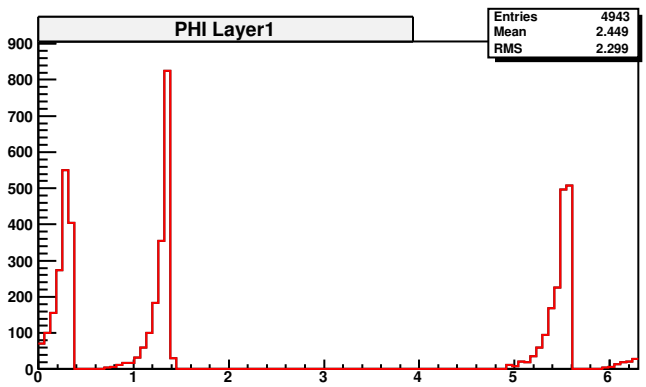


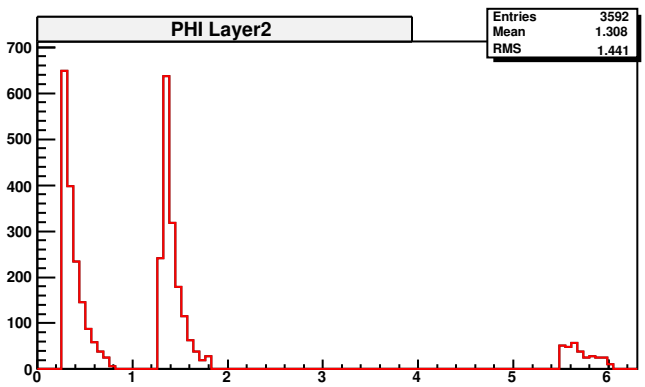


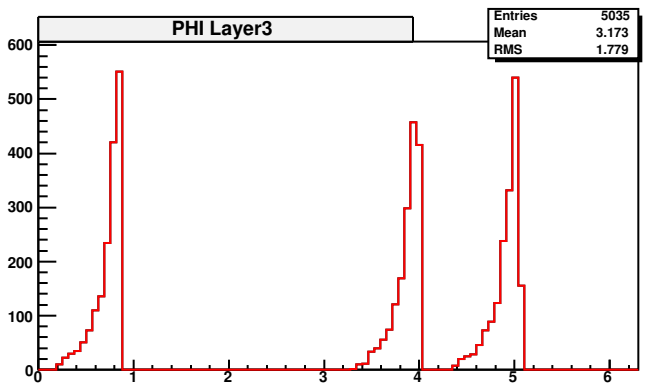


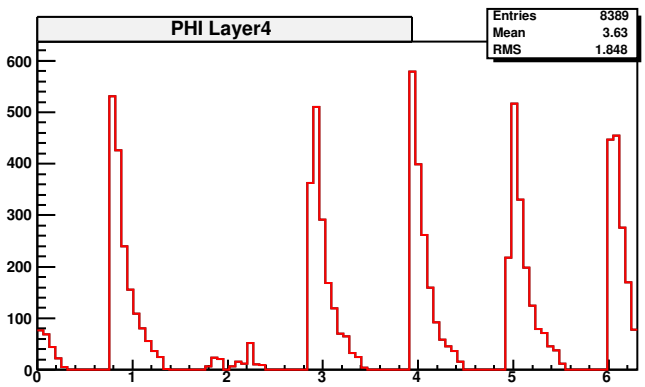


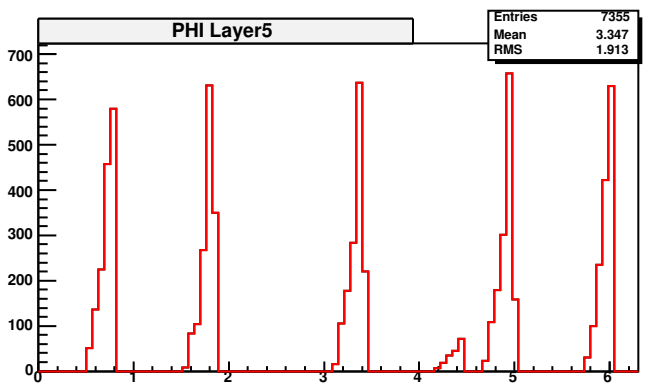
SmtClusters (ClustrBar4)

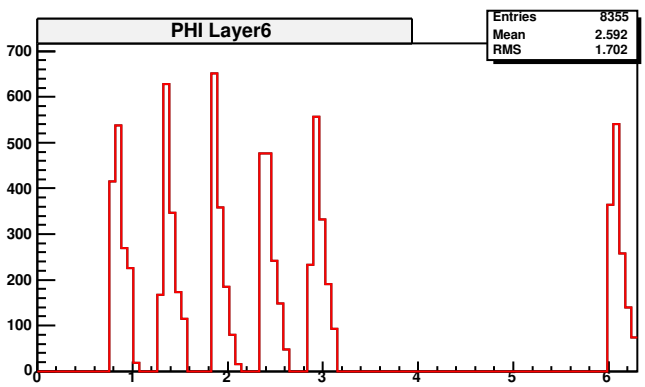


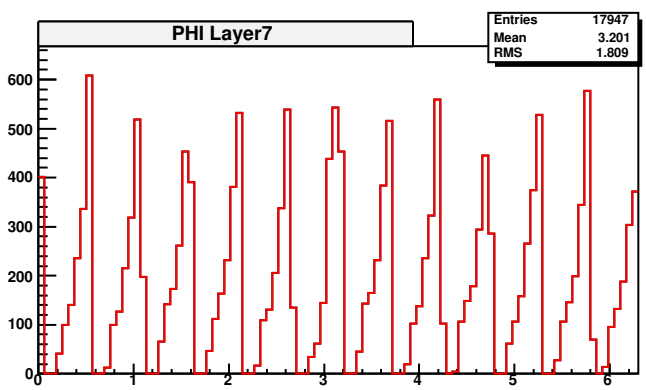


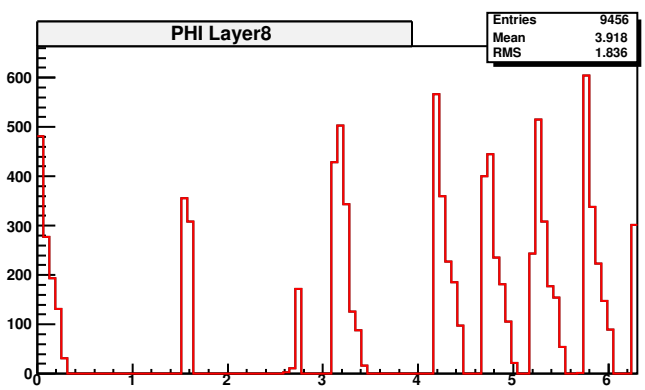




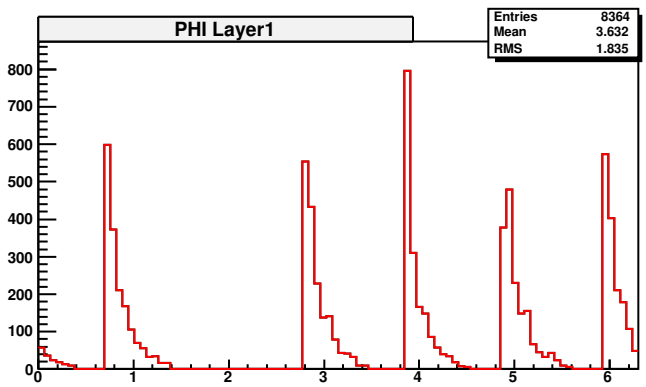


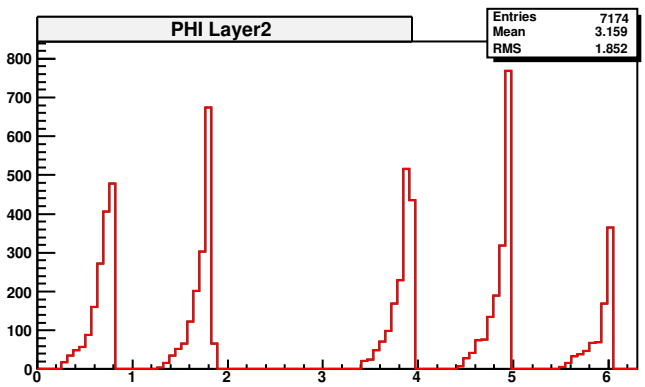


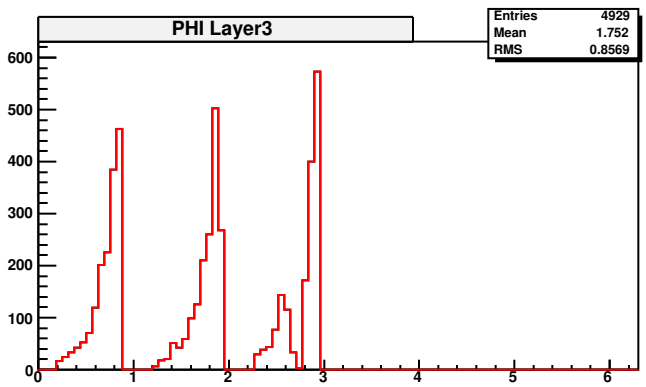


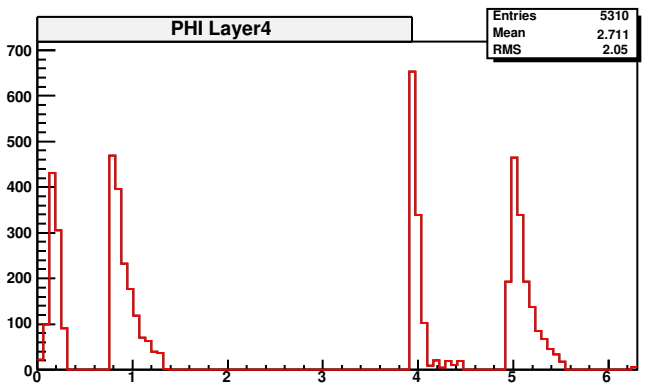


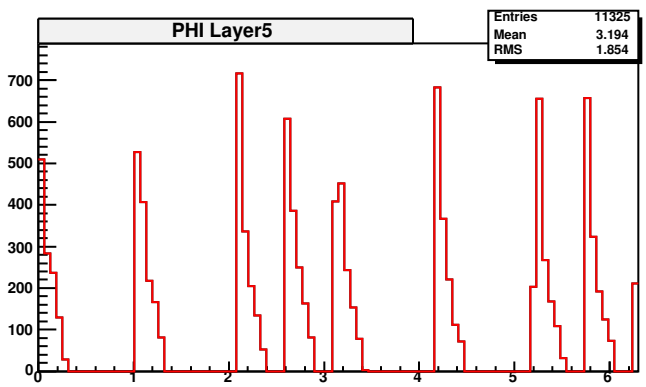
SmtClusters (ClustrBar5)

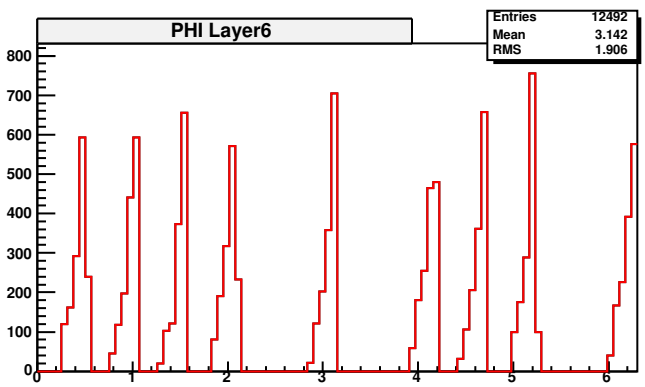


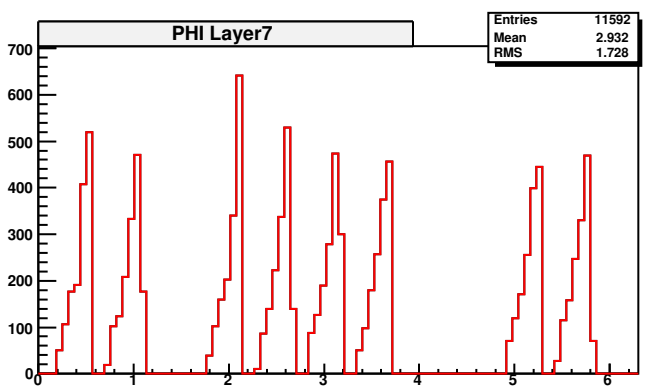


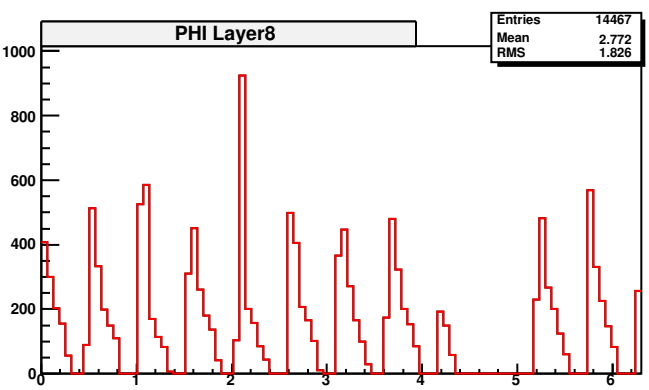




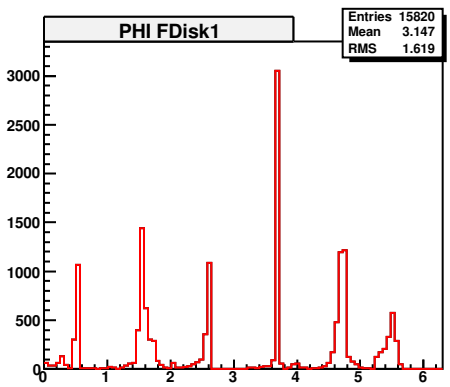


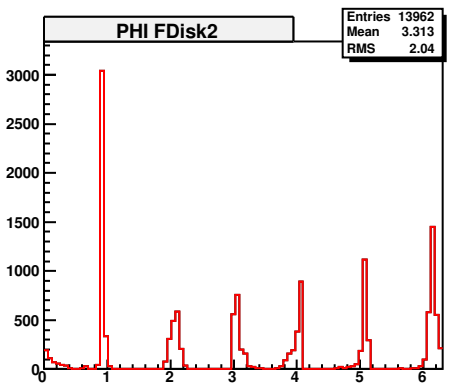


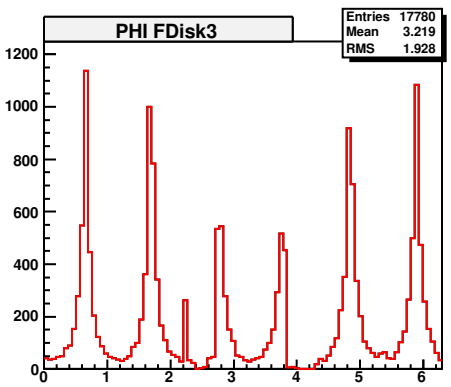


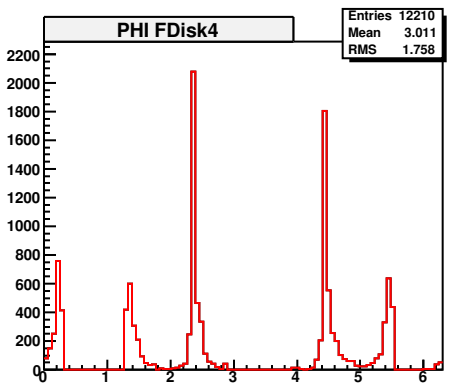


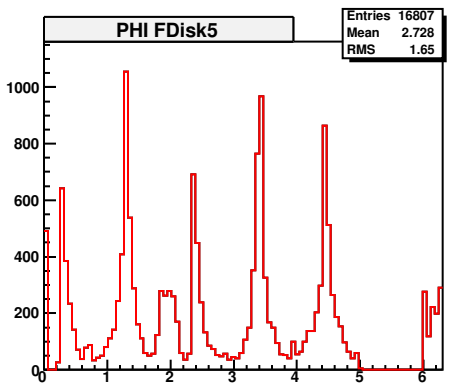
SmtClusters (ClustrBar6)

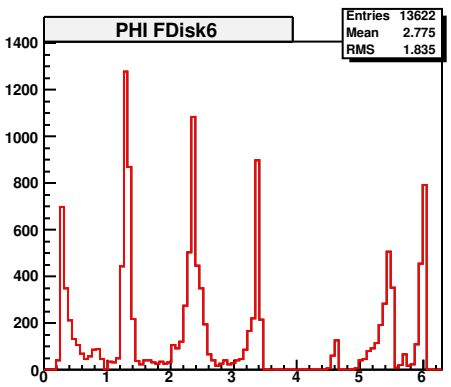


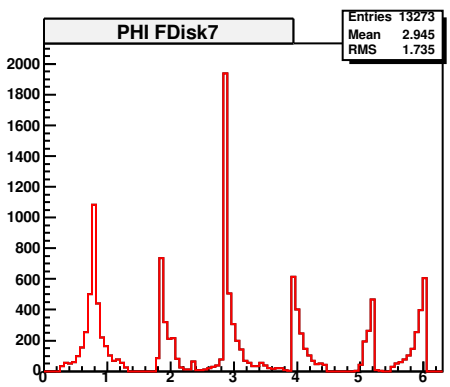


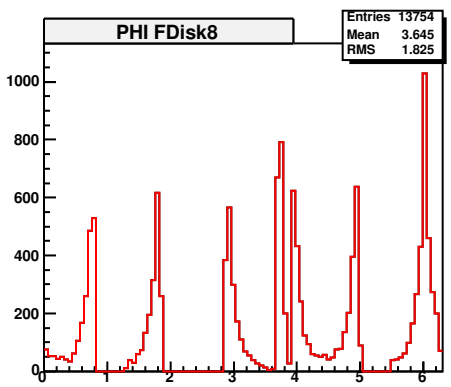


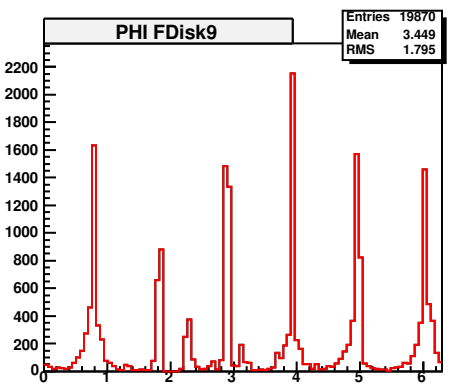


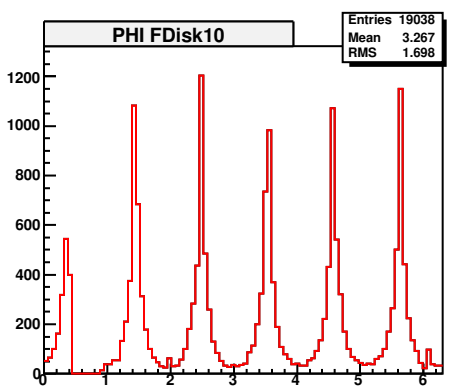


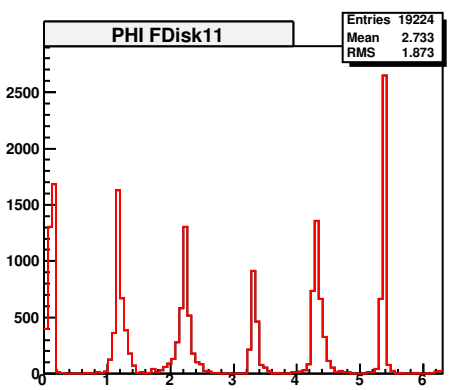


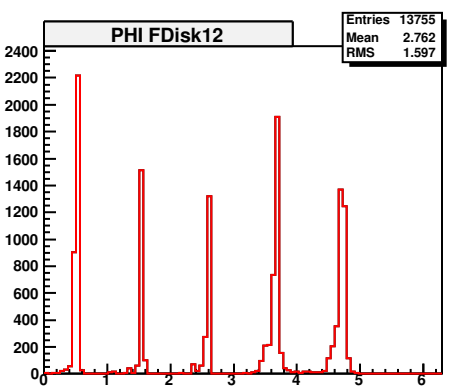




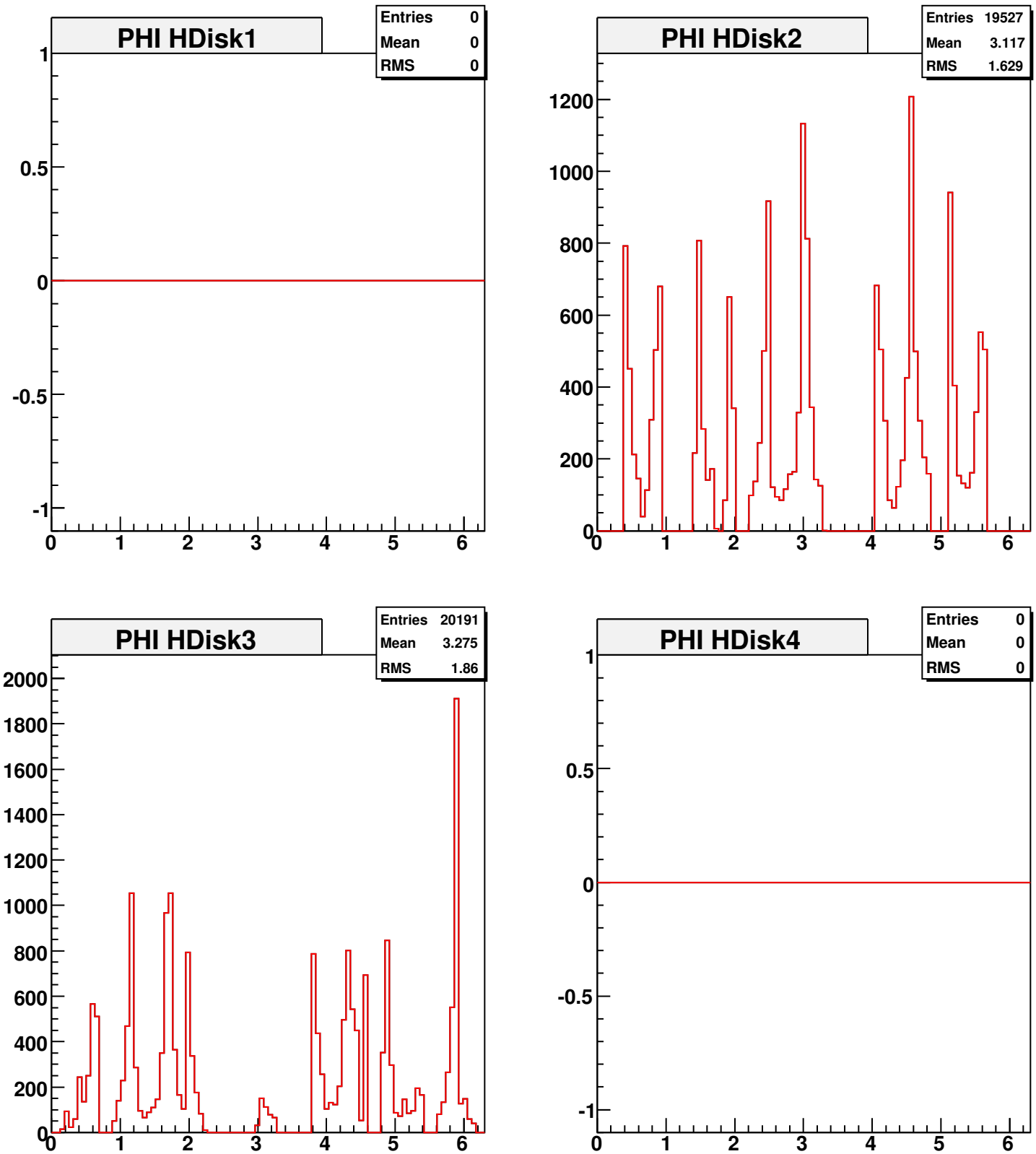




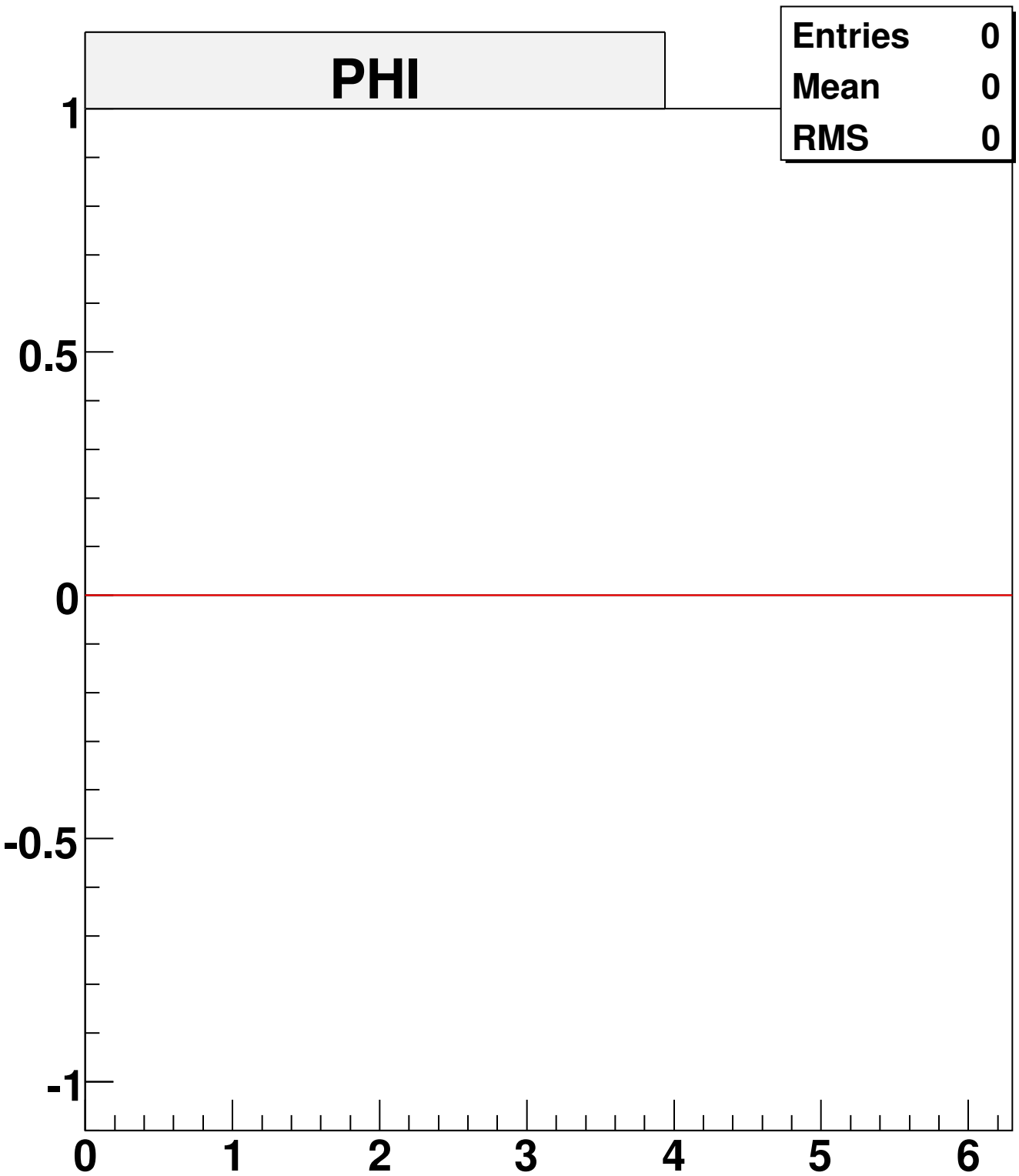


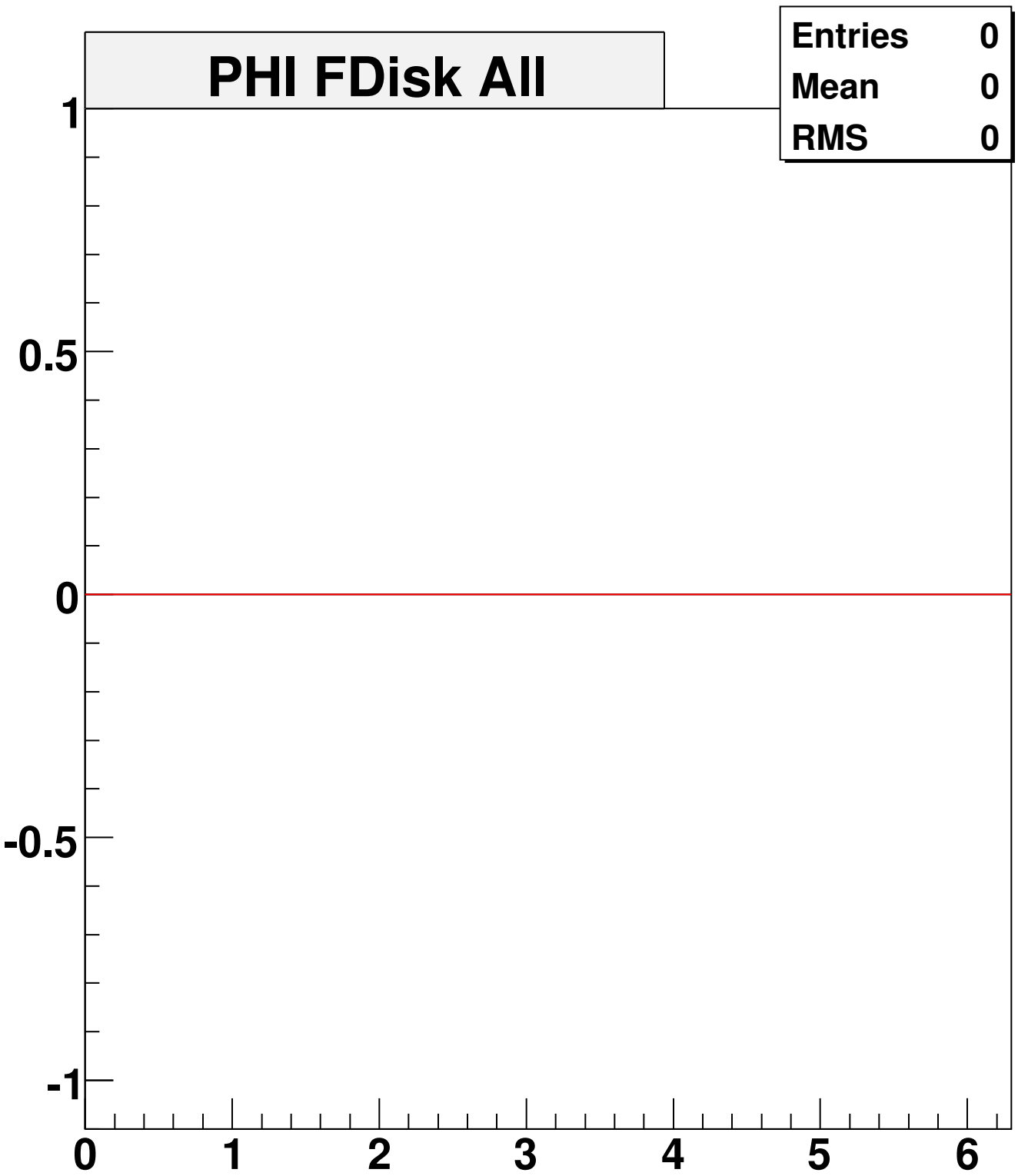


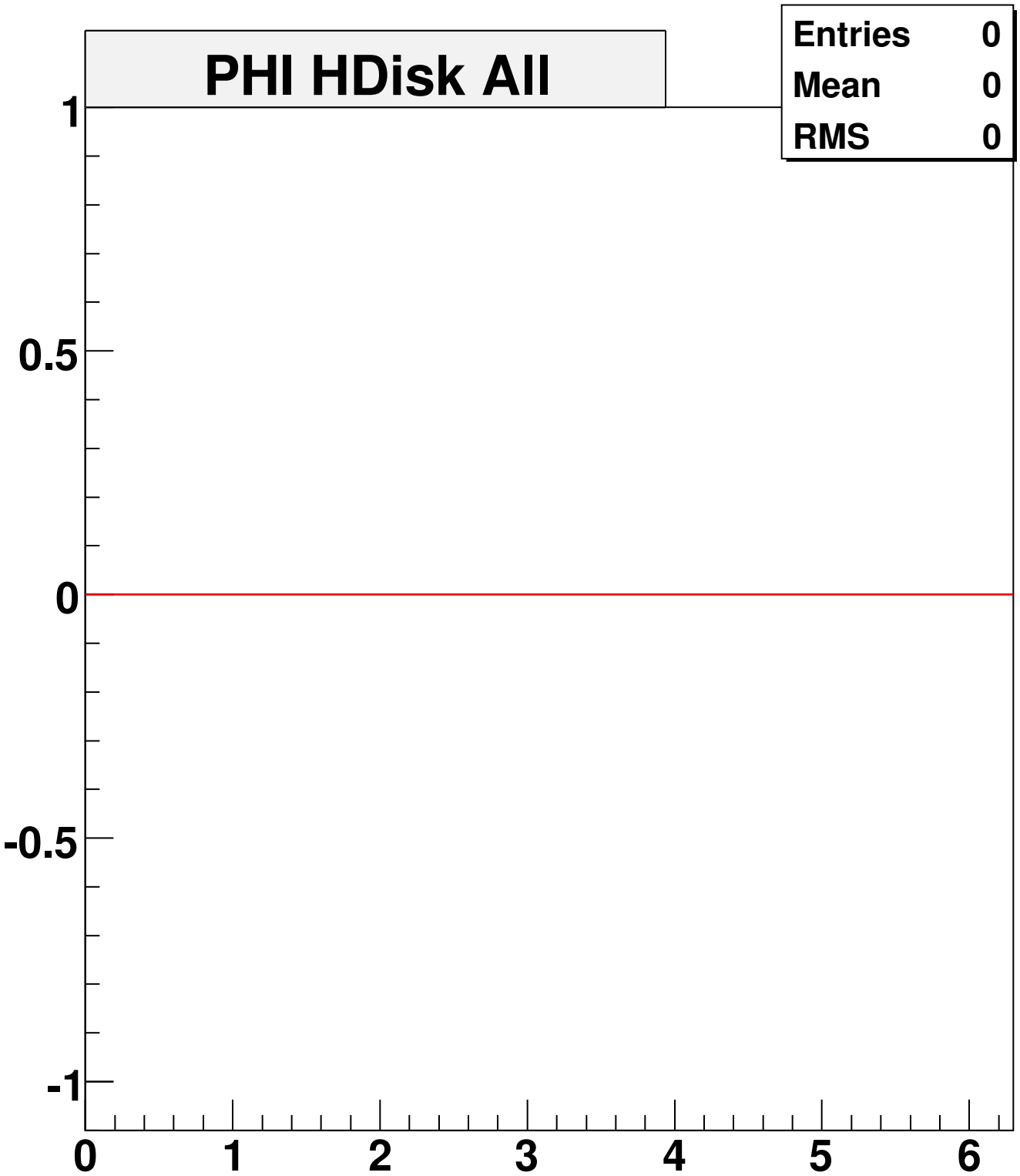
SmtClusters (FDiskClusters)



SmtClusters (HDiskClusters)


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


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


PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
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-1
0
1
2
3
4
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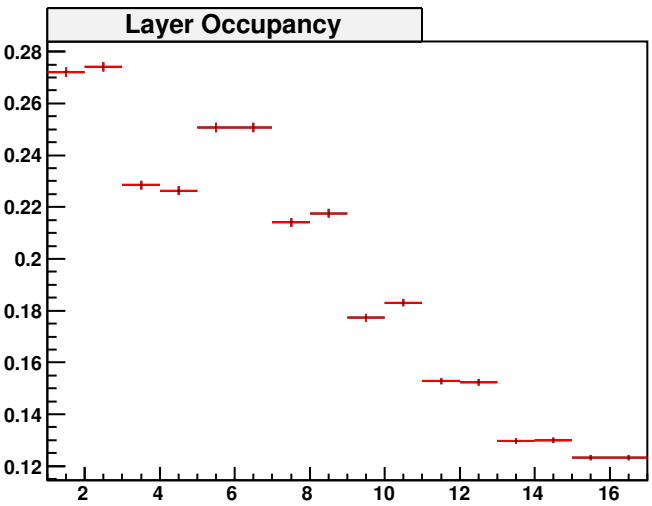
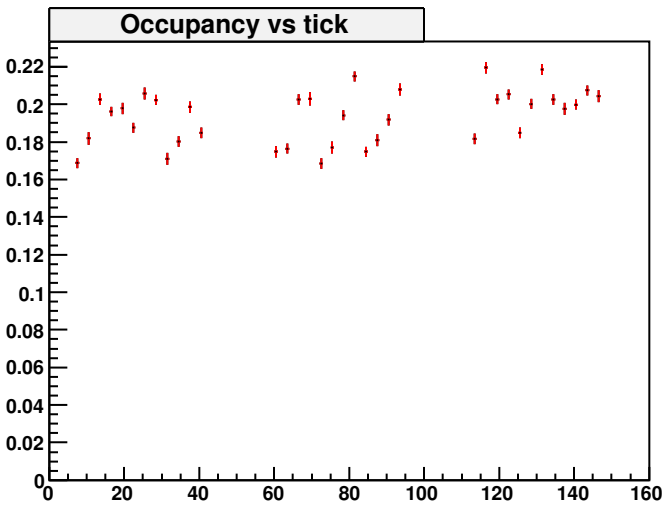
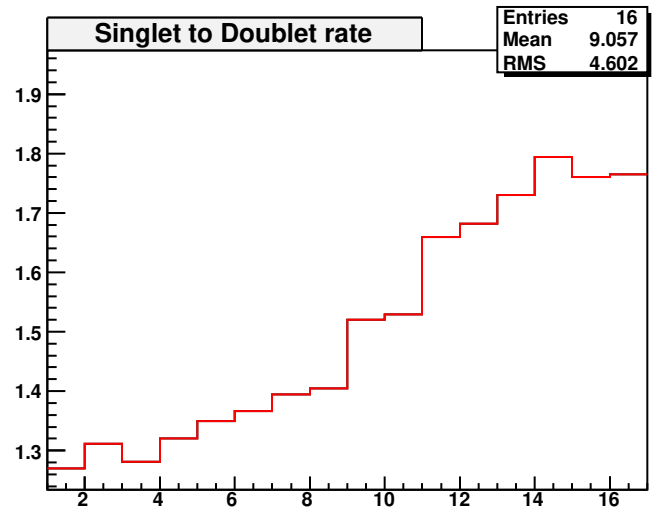
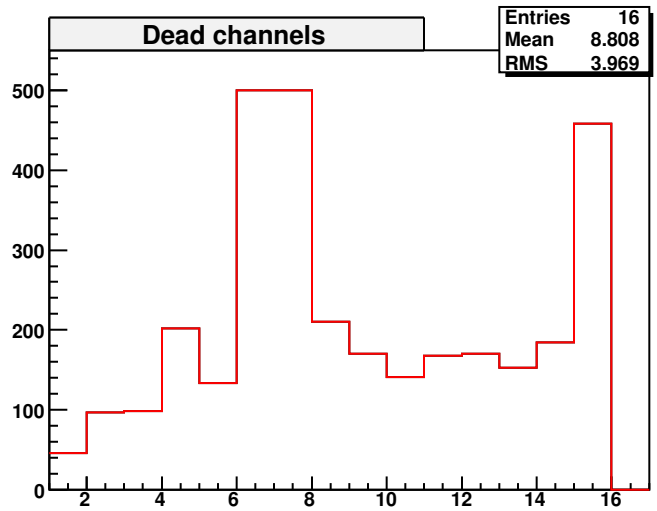
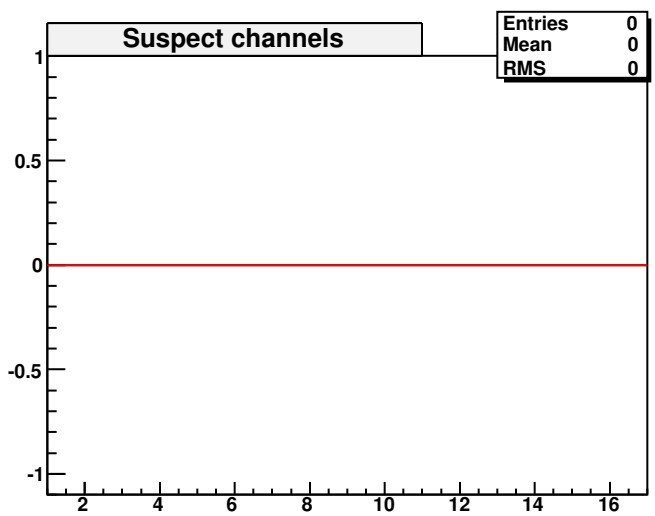
6
SmtClusters (allHDiskTClusters)

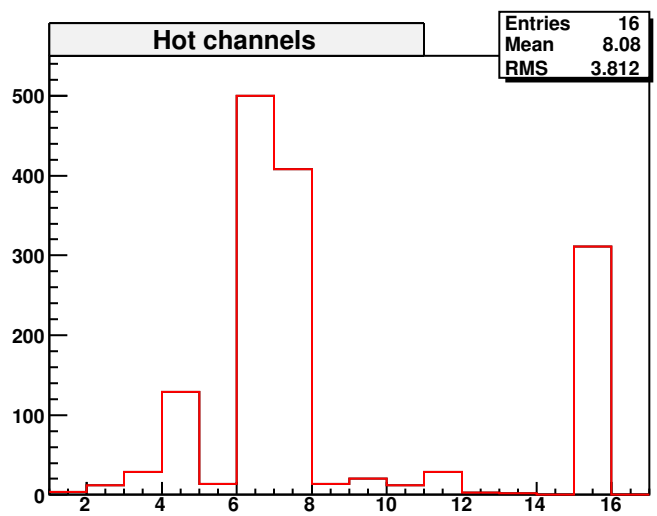




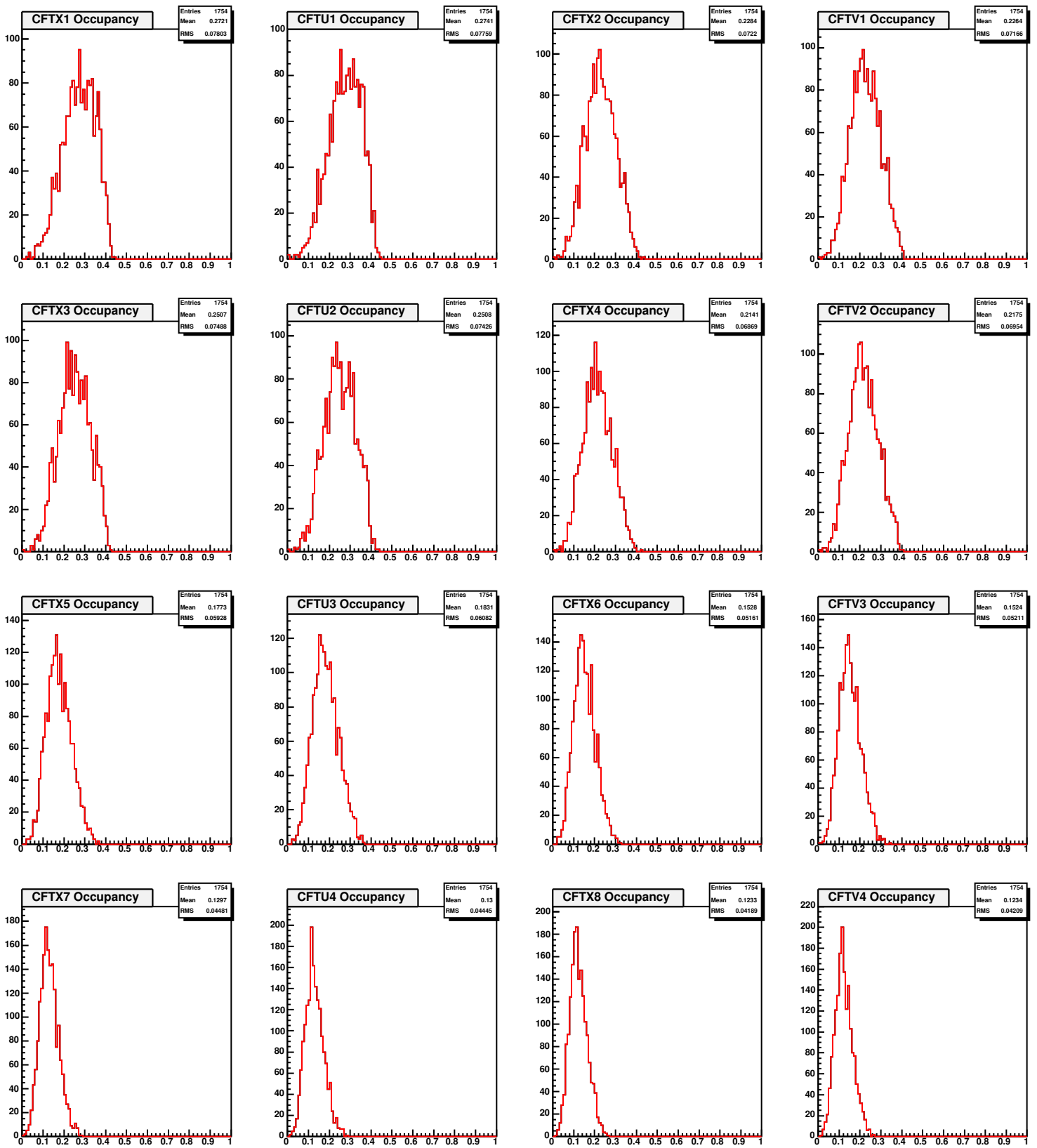




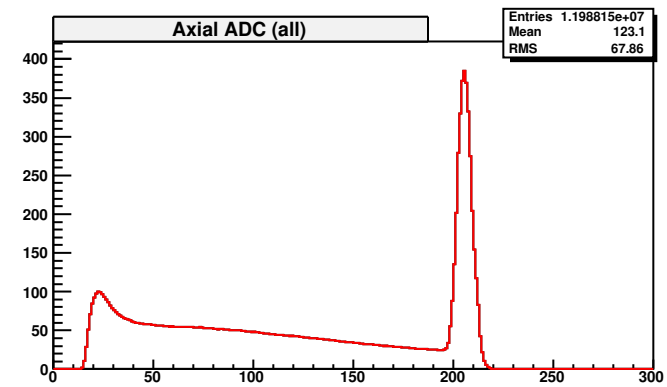


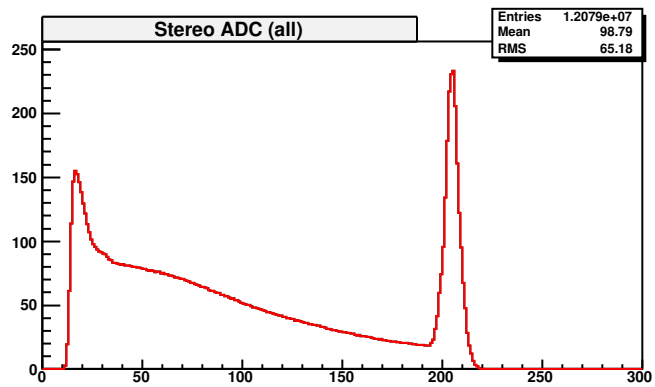


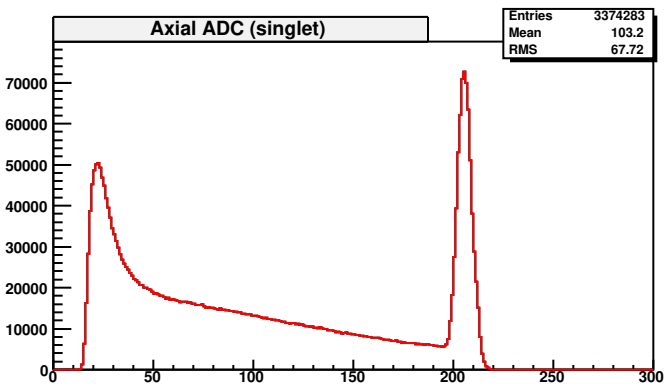
CFT Summary (All Clusters)

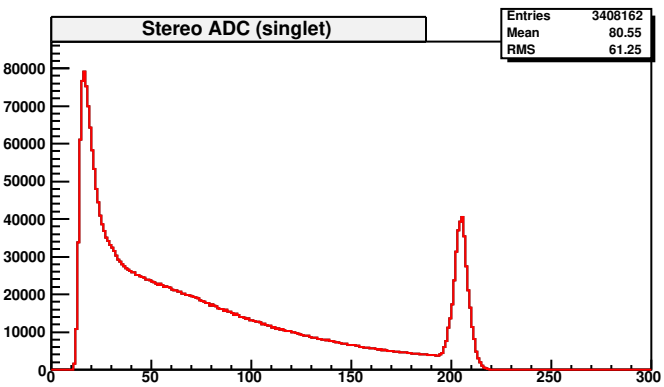


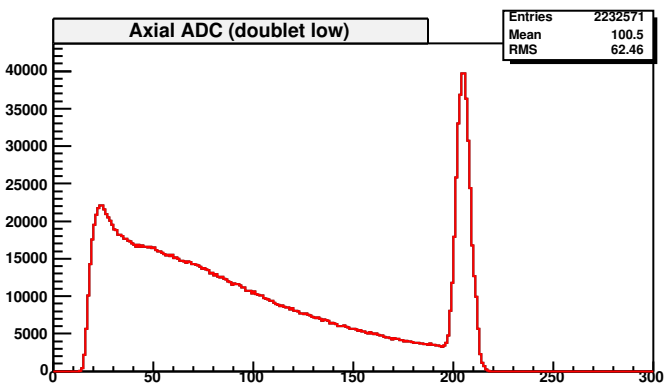
CFT Occupancy (All Clusters)

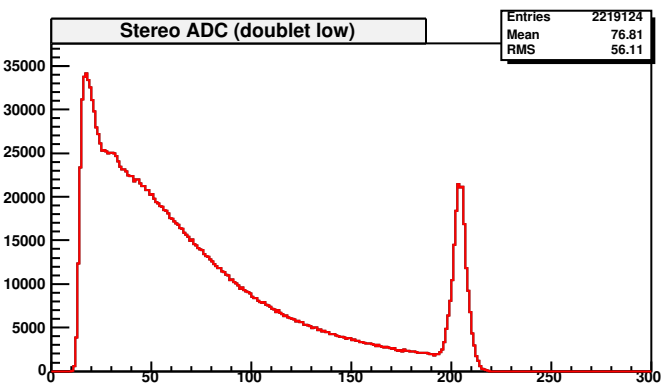


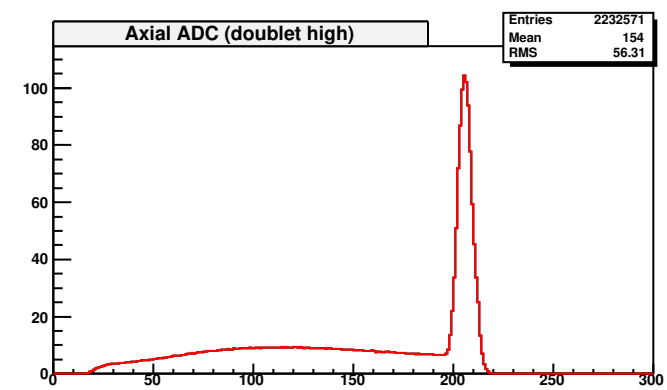


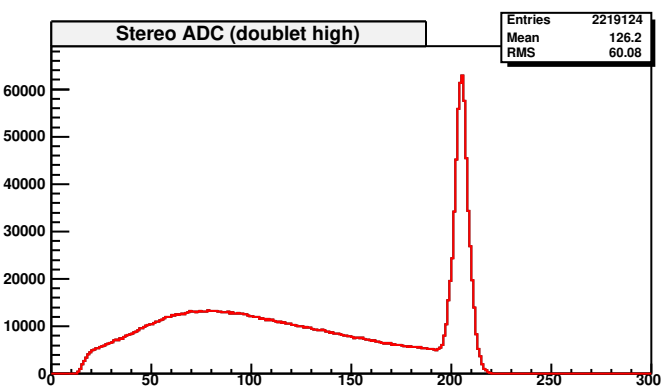




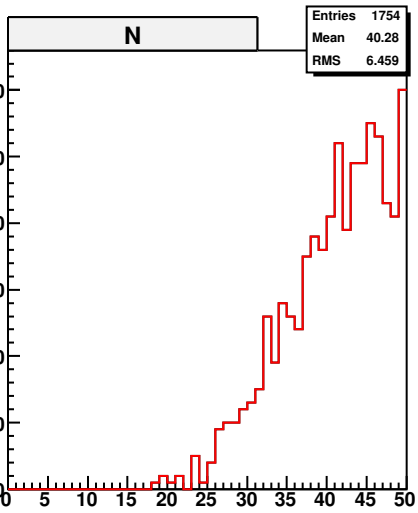


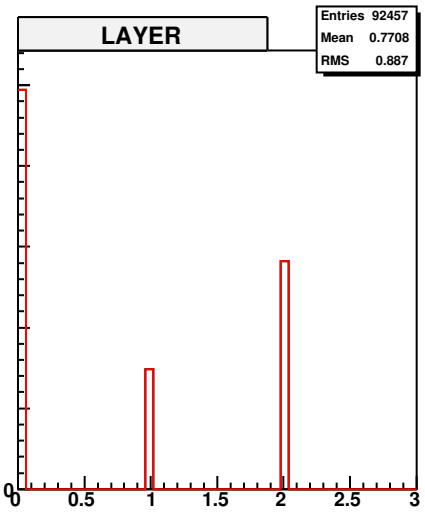


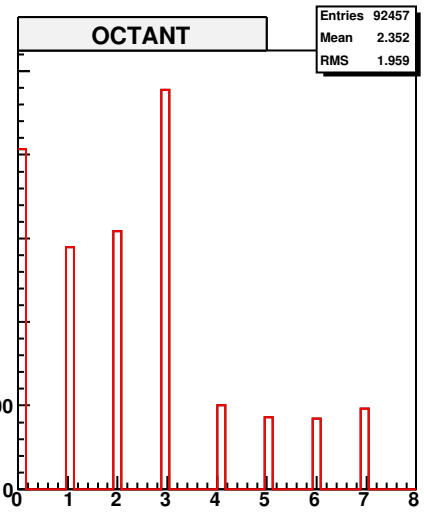


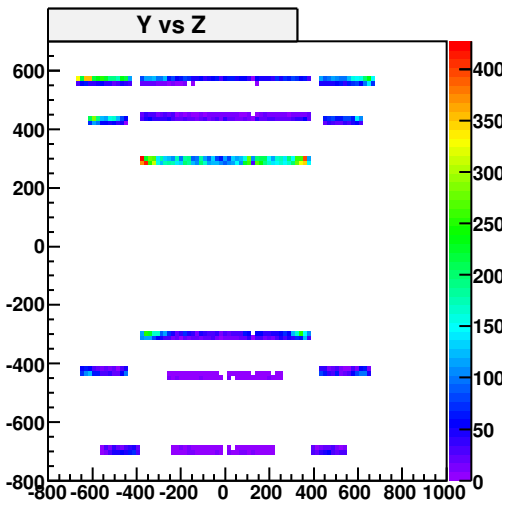


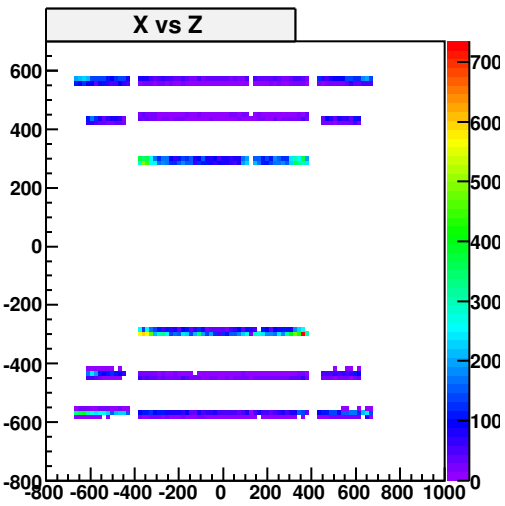
CFT ADC Summary (All Clusters)

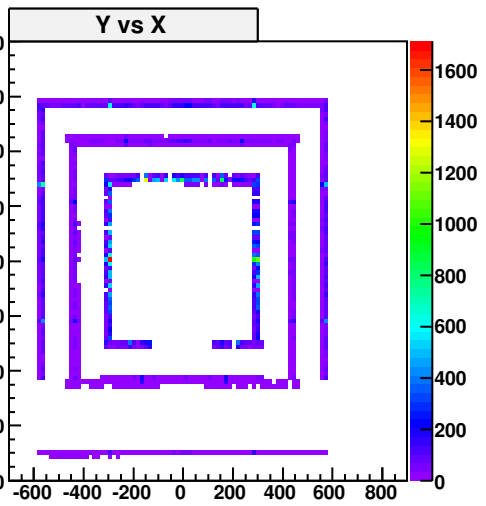

N
Entries 1754
Mean 40.28
RMS 6.459

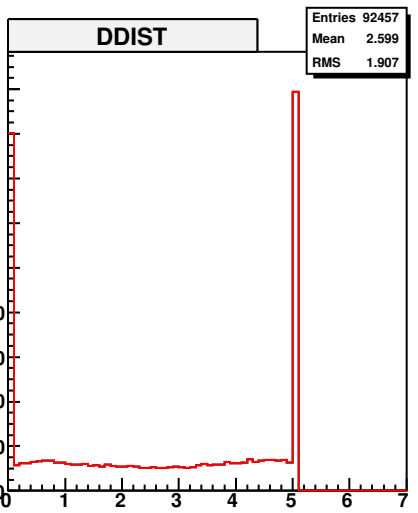

LAYER
Entries 92457
Mean 0.7708
RMS 0.887

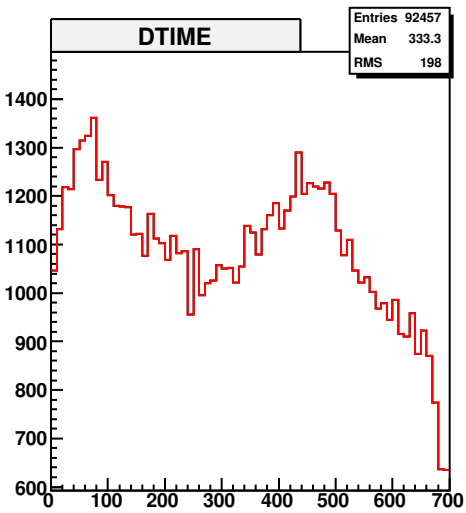

OCTANT
Entries 92457
Mean 2.352
RMS 1.959


Y vs Z

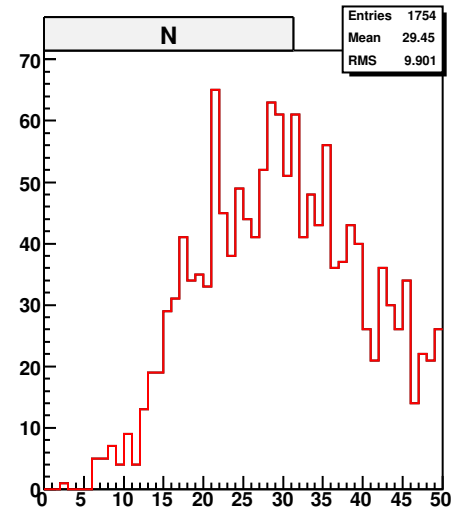

X vs Z

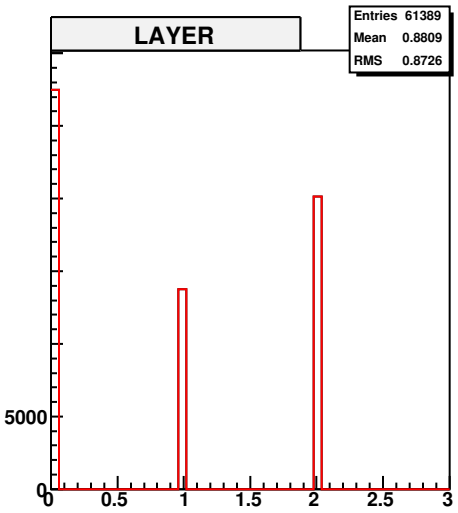

Y vs X

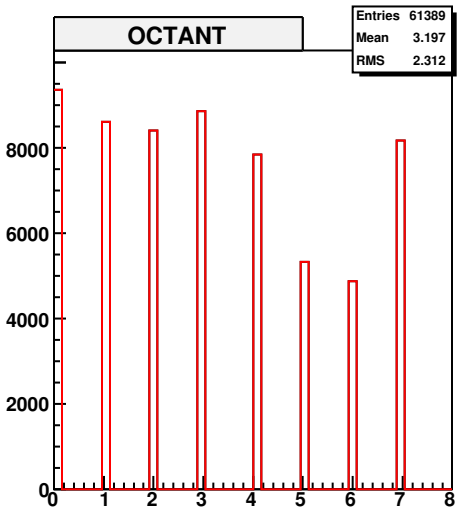

DDIST
Entries 92457
Mean 2.599
RMS 1.907

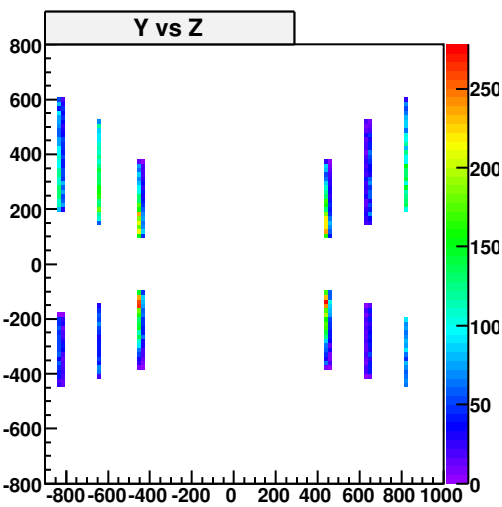

DTIME
Entries 92457
Mean 333.3
RMS 198

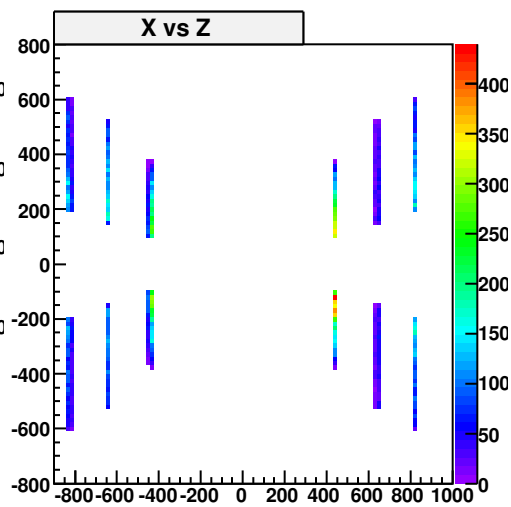
MuonPDT (All)

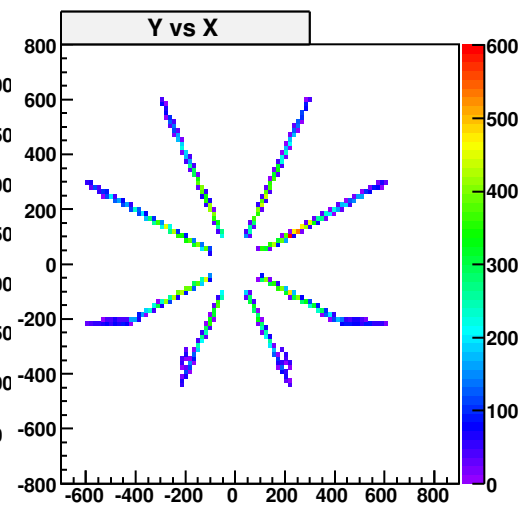

N
Entries 1754
Mean 29.45
RMS 9.901

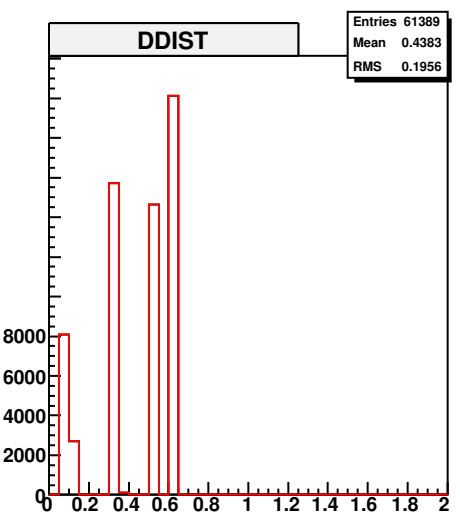

LAYER
Entries 61389
Mean 0.8809
RMS 0.8726

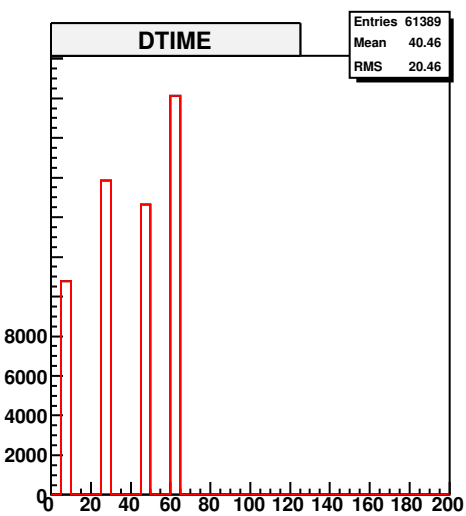

OCTANT
Entries 61389
Mean 3.197
RMS 2.312


Y vs Z

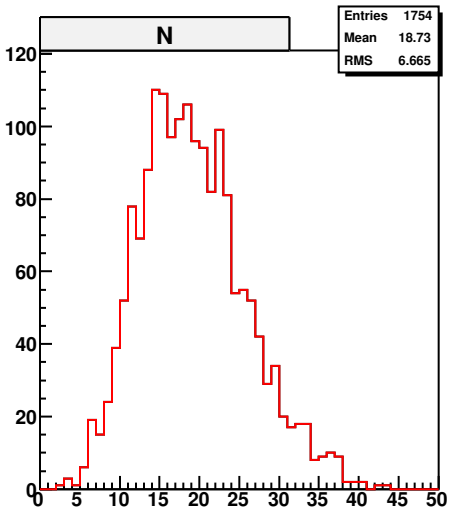

X vs Z

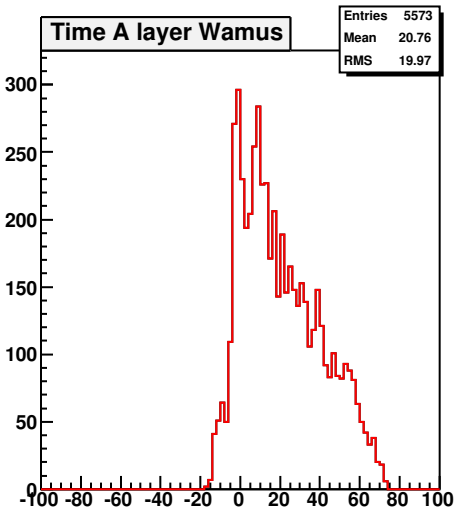

Y vs X

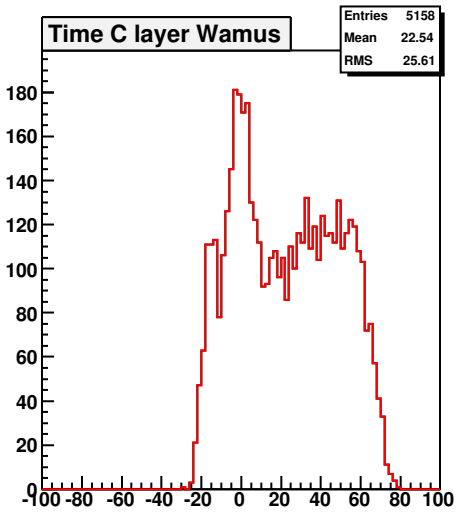

DDIST
Entries 61389
Mean 0.4383
RMS 0.1956

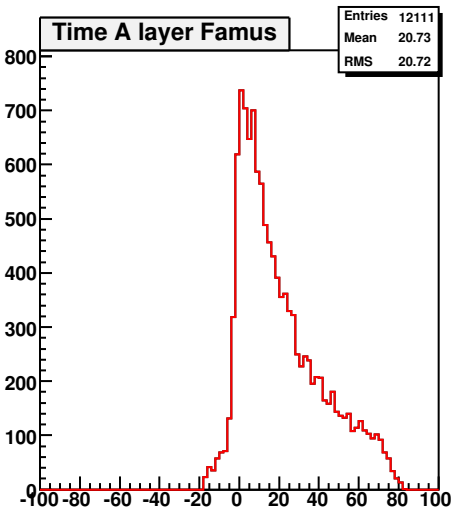

DTIME
Entries 61389
Mean 40.46
RMS 20.46

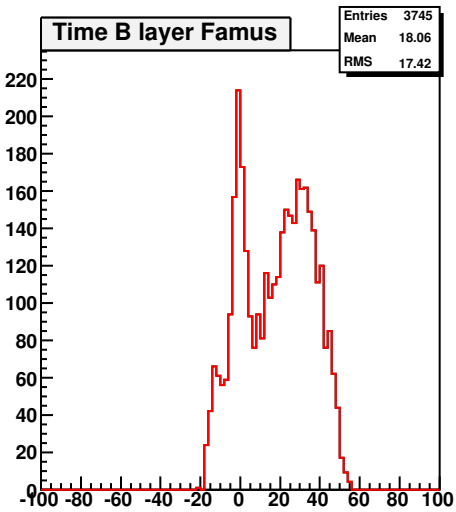
MuonMDT (All)

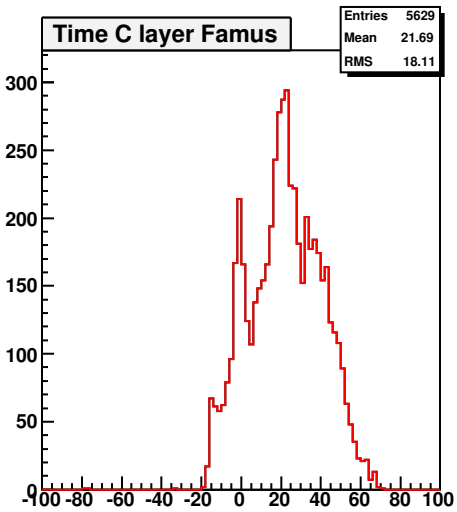

N
Entries 1754
Mean 18.73
RMS 6.665

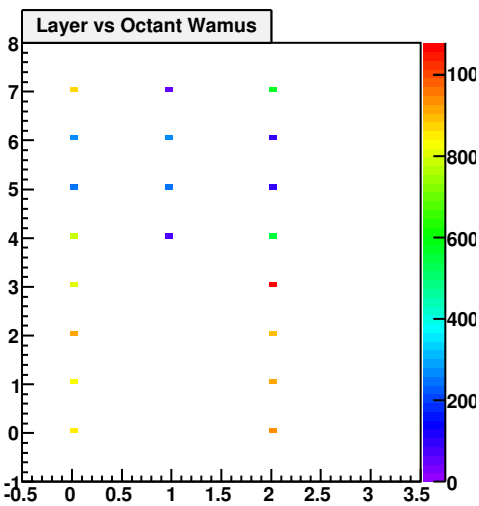

Time A layer Wamus
Entries 5573
Mean 20.76
RMS 19.97

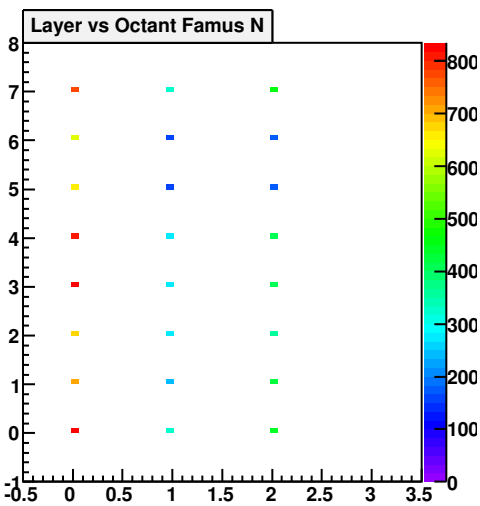

Time C layer Wamus
Entries 5158
Mean 22.54
RMS 25.61

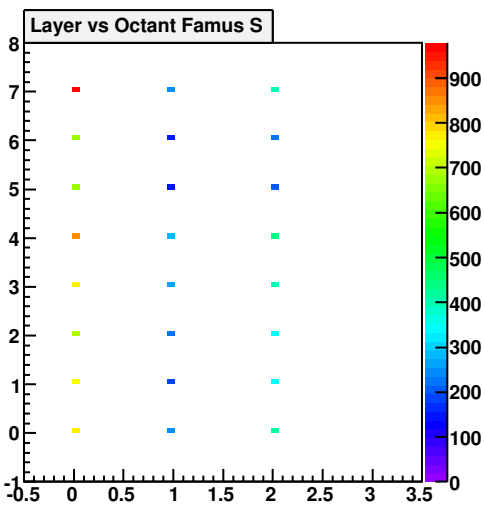

Time A layer Famus
Entries 12111
Mean 20.73
RMS 20.72


Time B layer Famus
Entries 3745
Mean 18.06
RMS 17.42

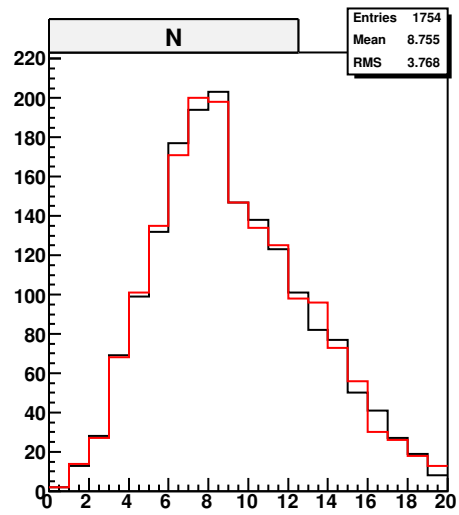

Time C layer Famus
Entries 5629
Mean 21.69
RMS 18.11

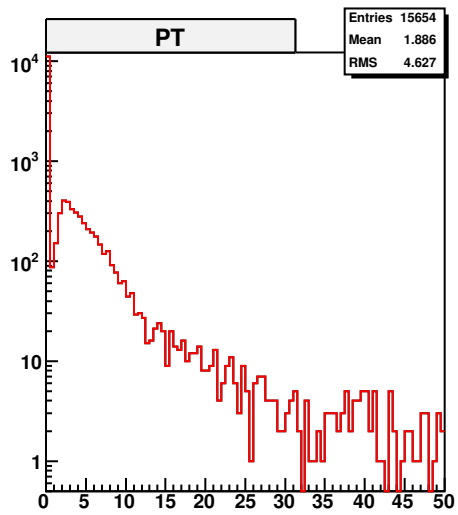

Layer vs Octant Wamus

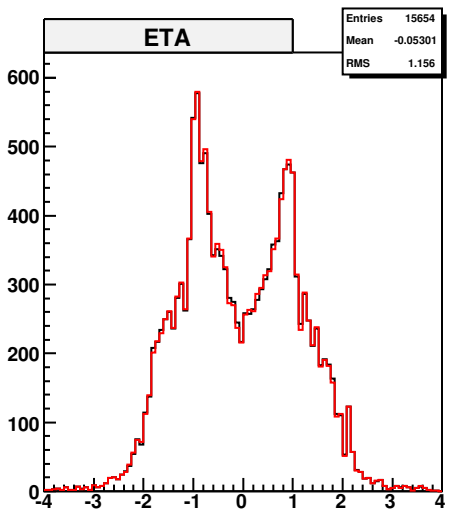

Layer vs Octant Famus N

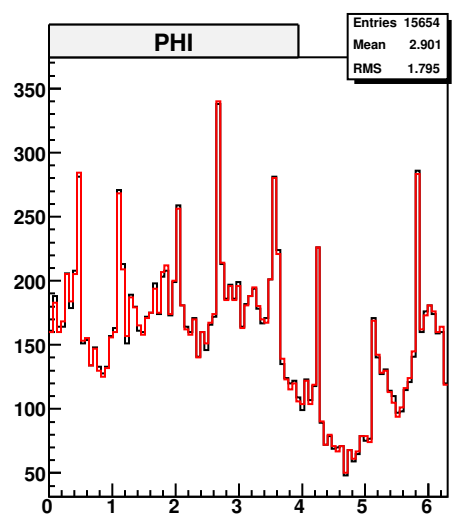

Layer vs Octant Famus S

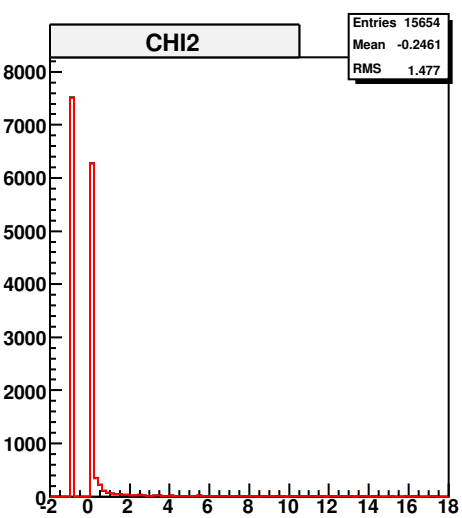
MuonMSC (All)

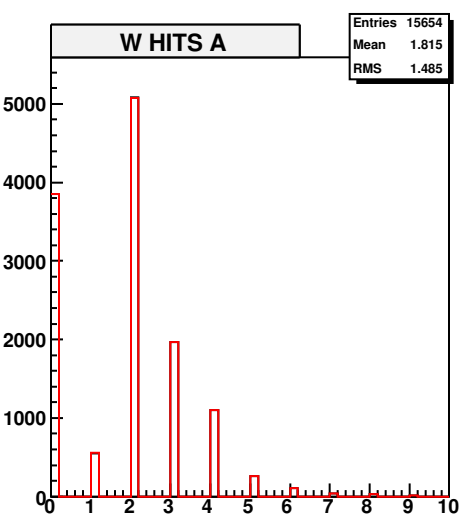


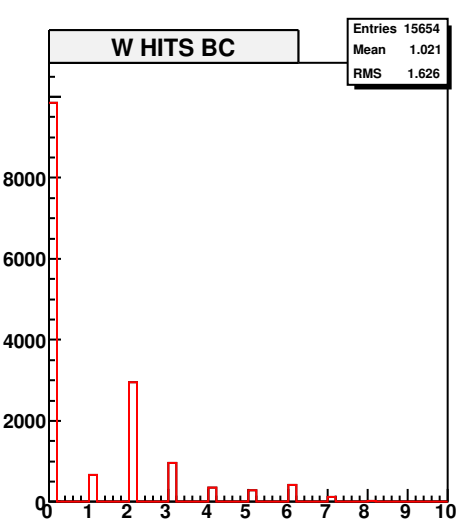


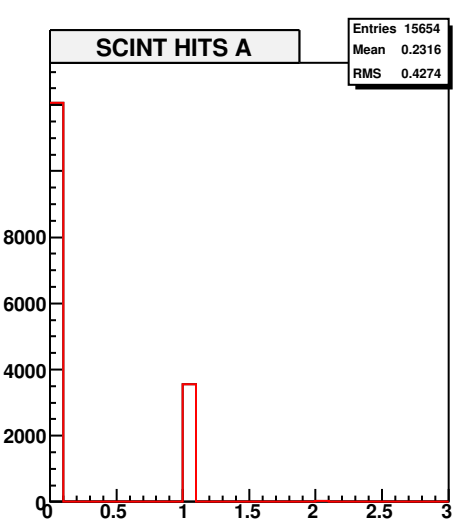


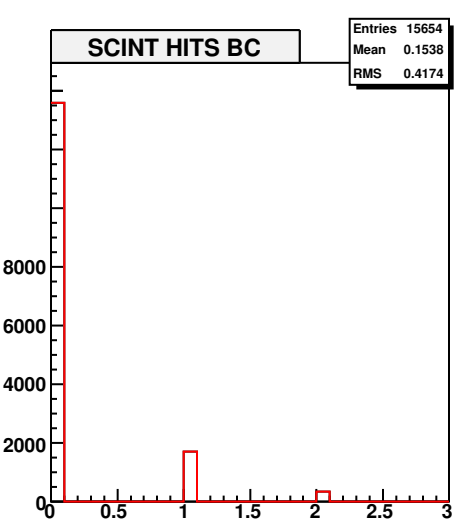




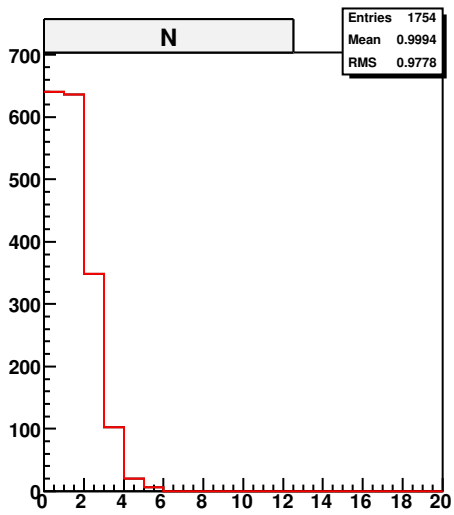


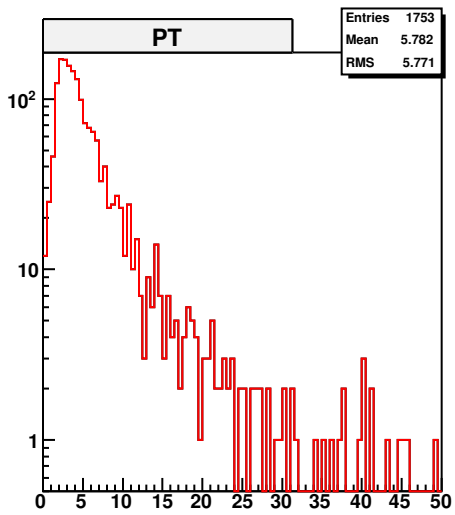


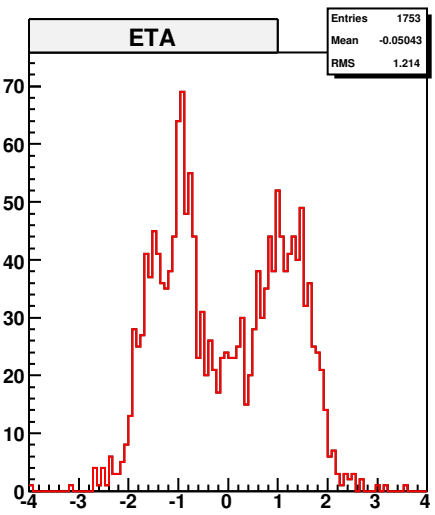


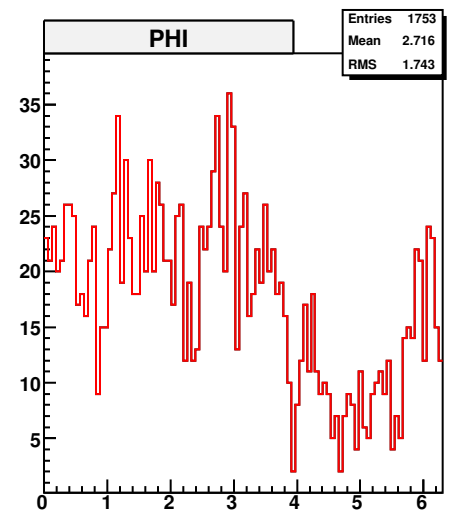


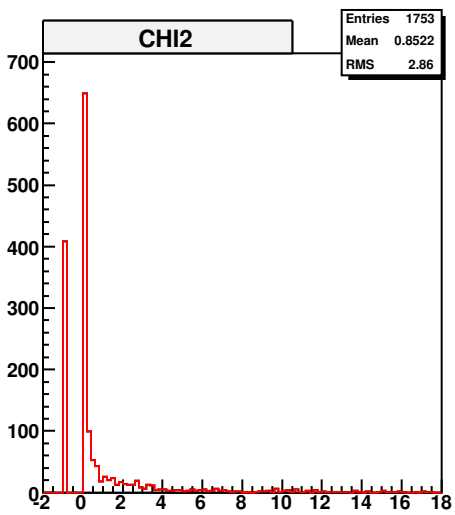
Muon Local Tracks (All)

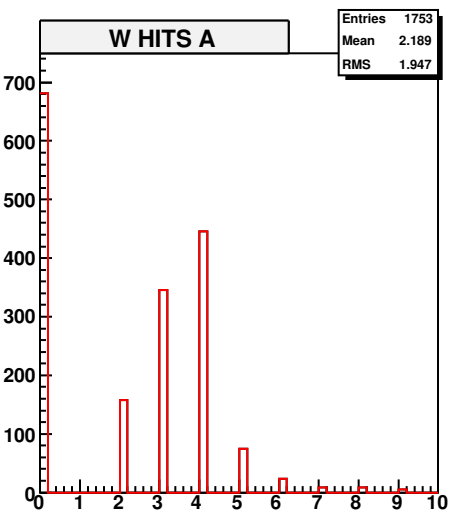


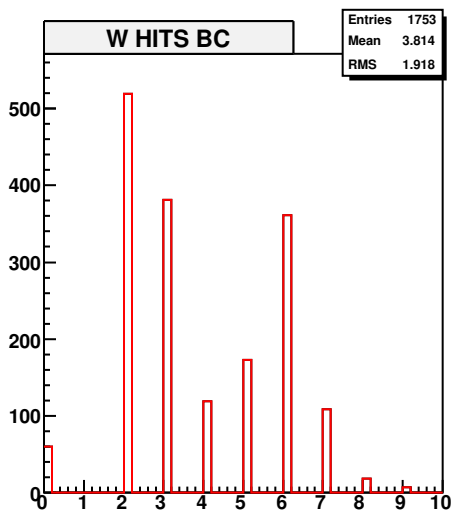


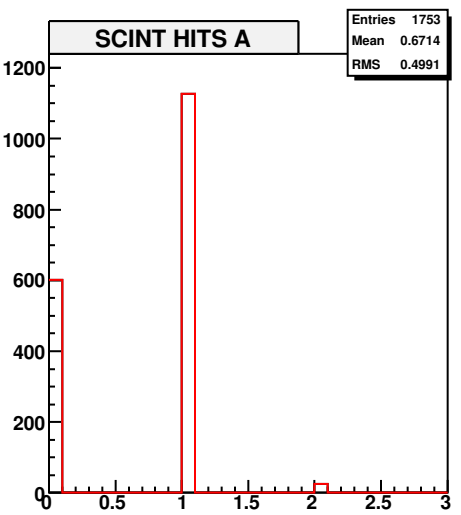


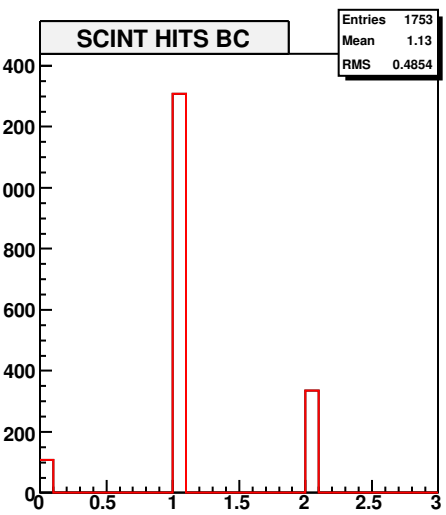




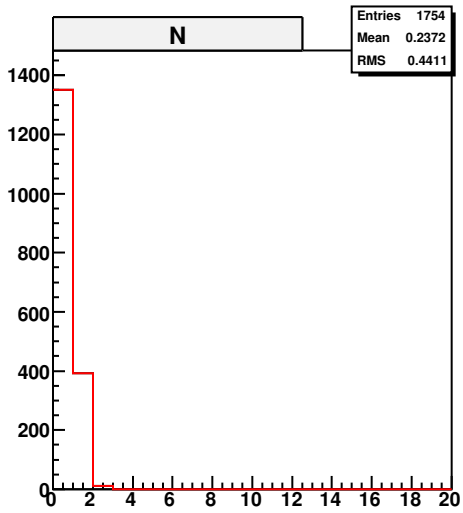


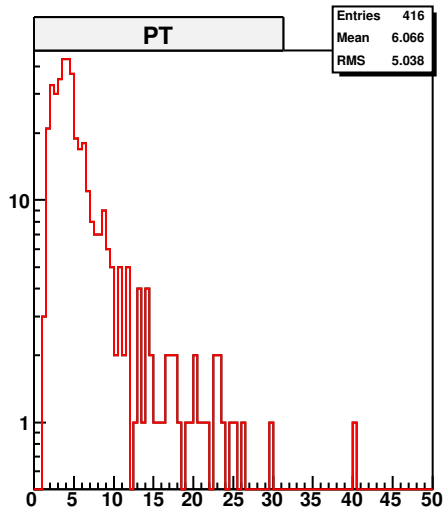


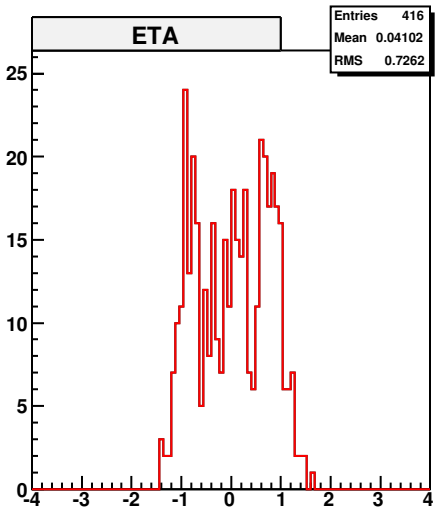


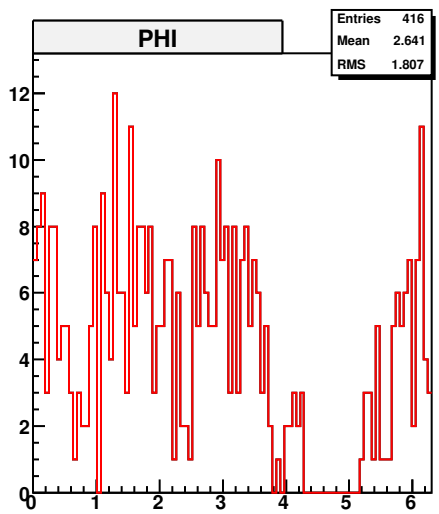


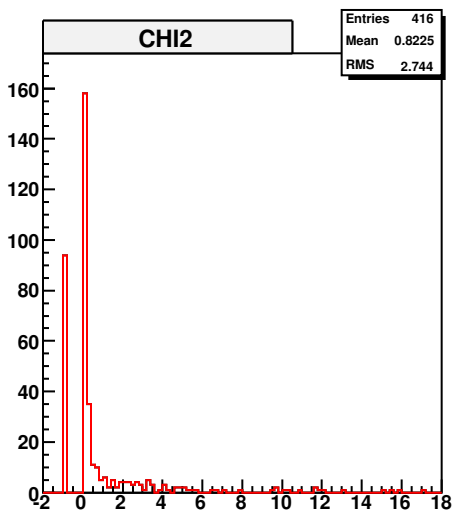
Muon Local Tracks (LooseWamus)

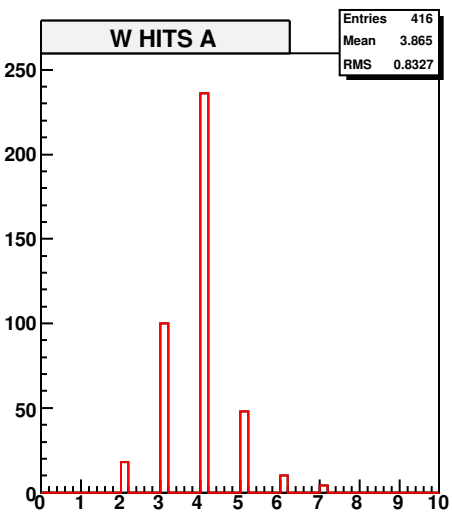


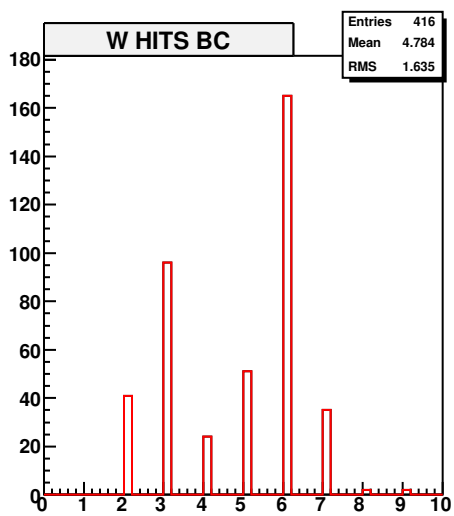


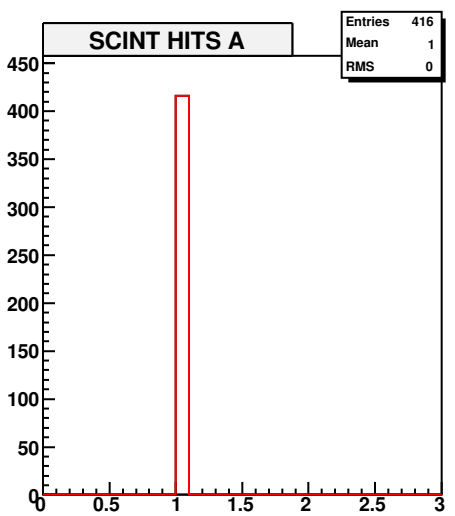


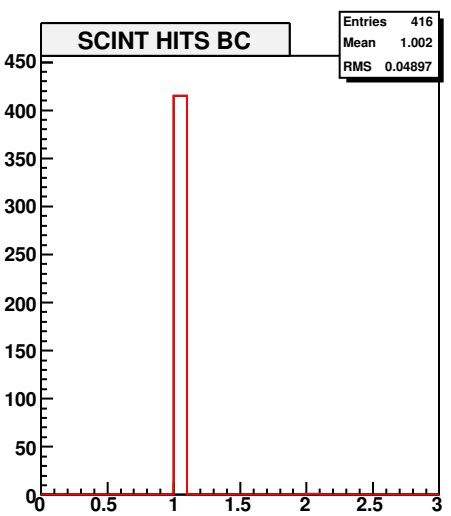




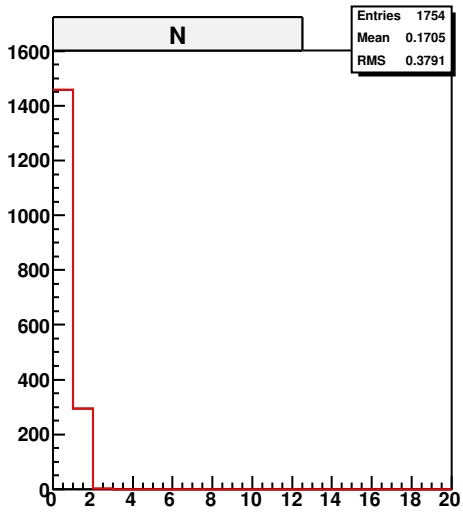


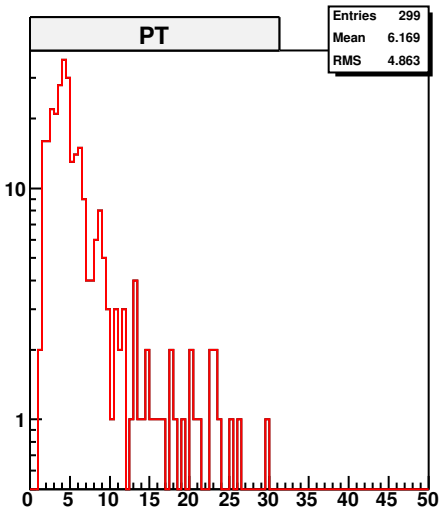


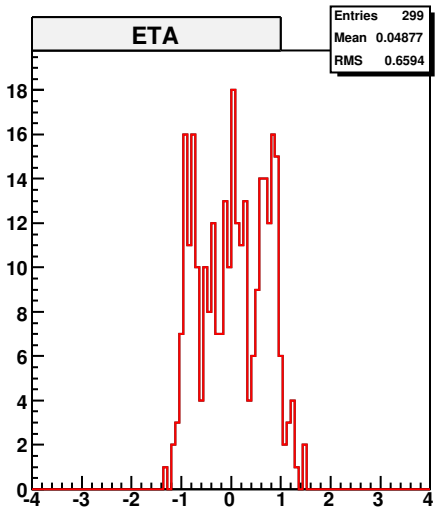


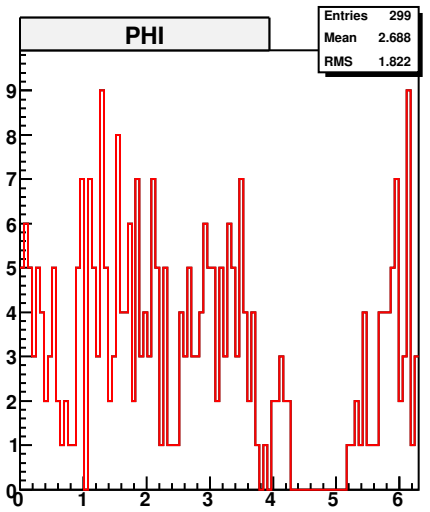


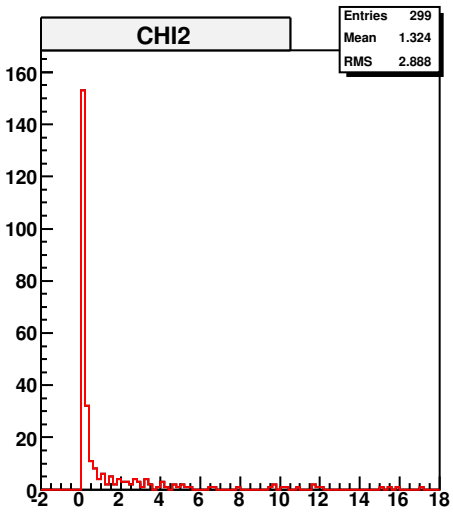
Muon Local Tracks (MediumWamus)

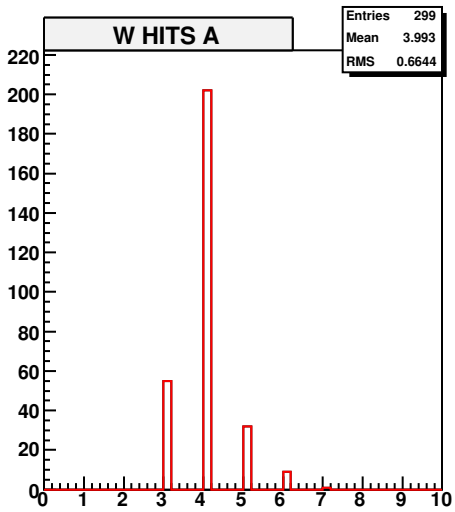


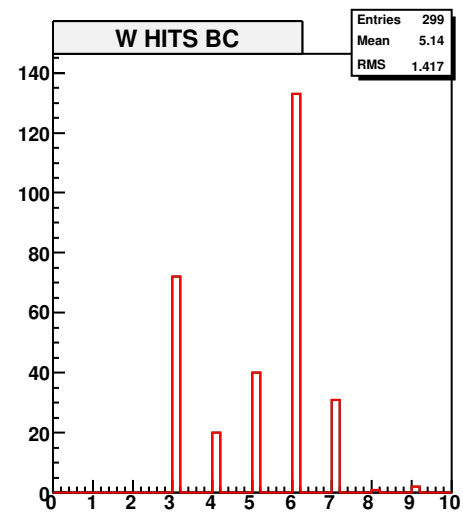


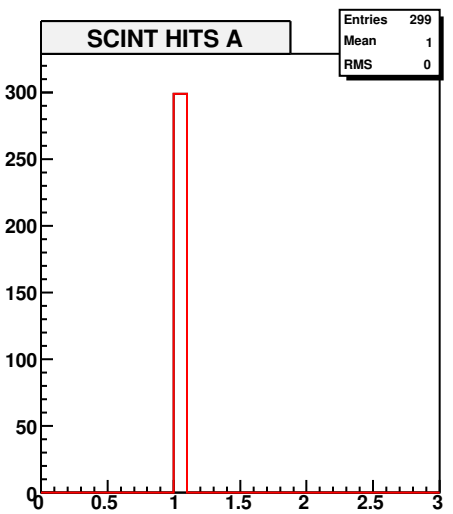


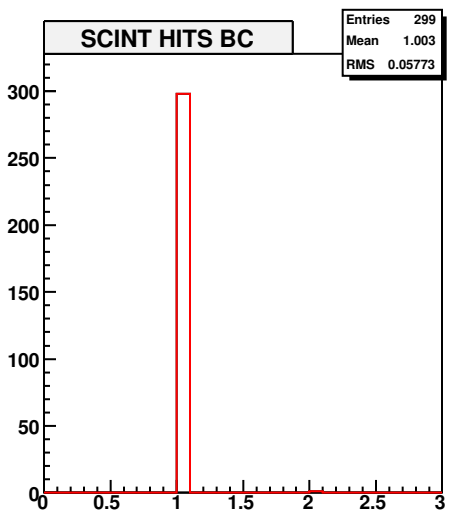




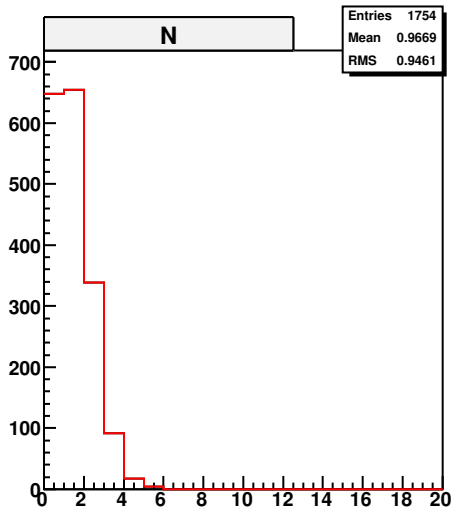


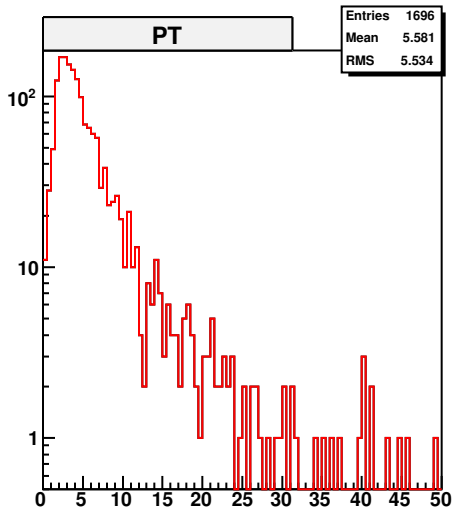


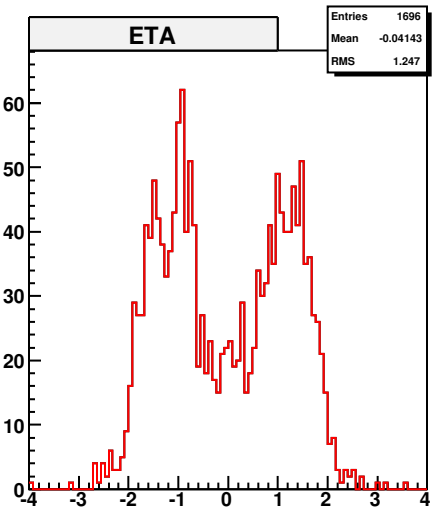


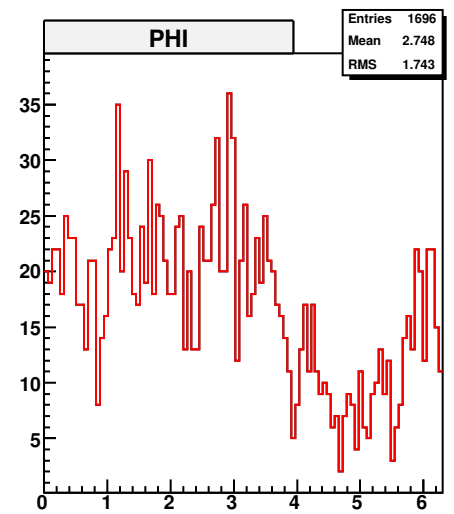


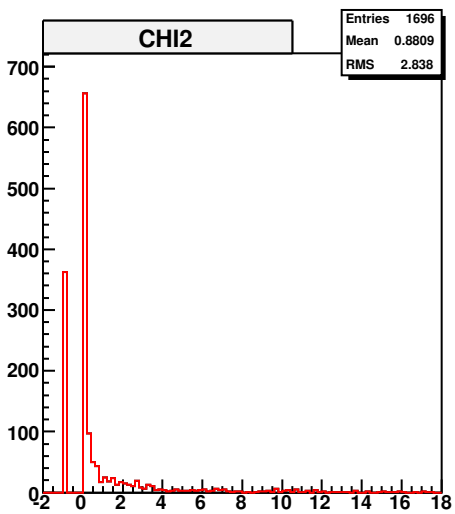
Muon Local Tracks (TightWamus)

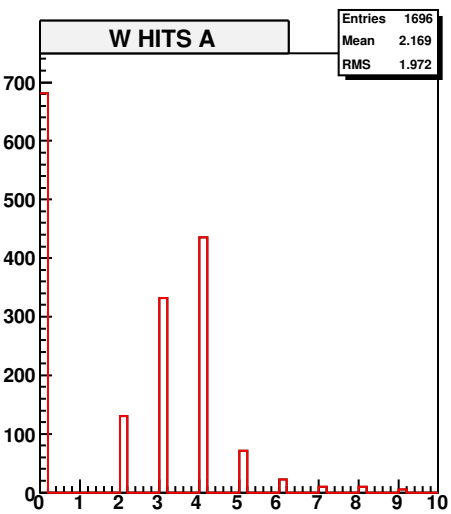


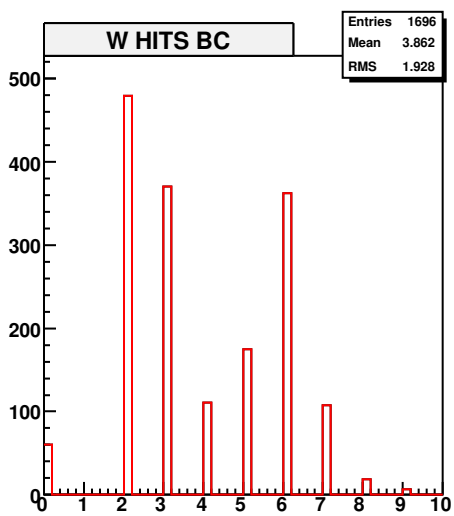


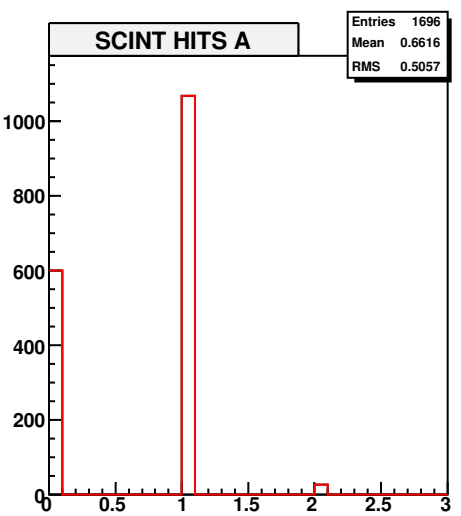


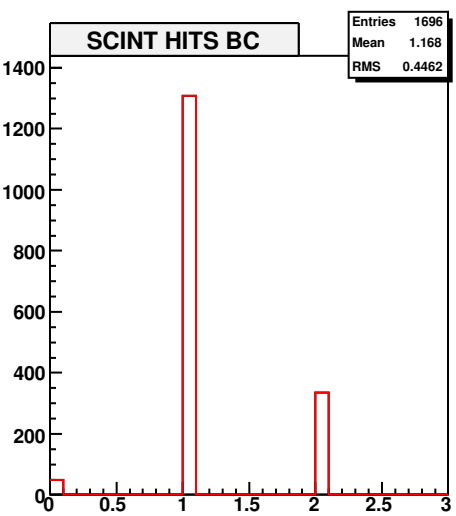




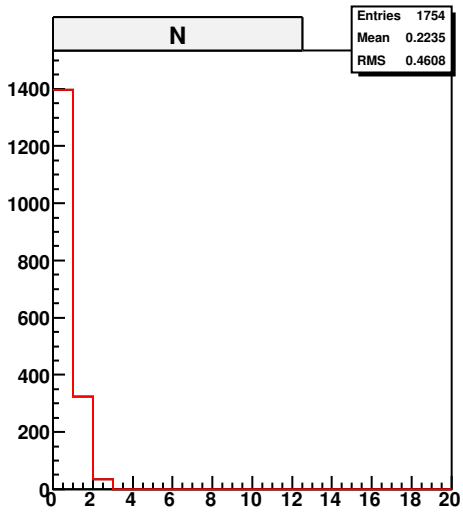


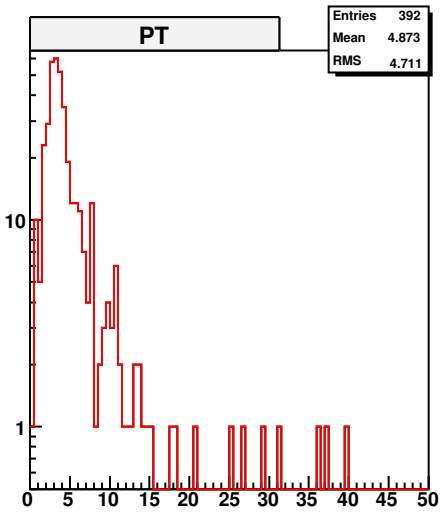


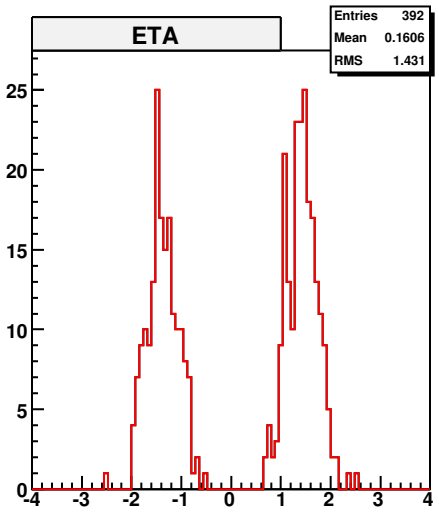


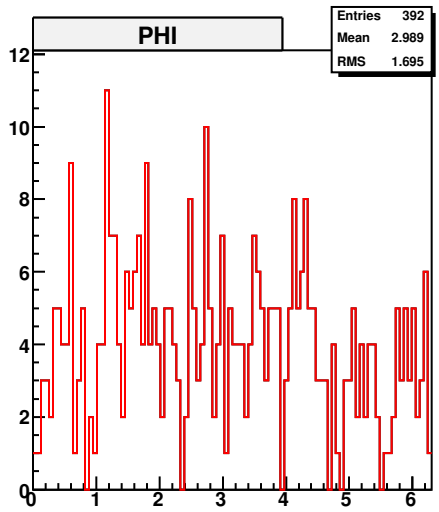


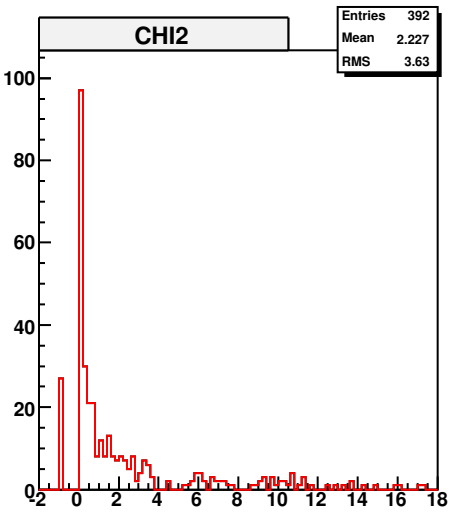
Muon Local Tracks (LooseFamus)

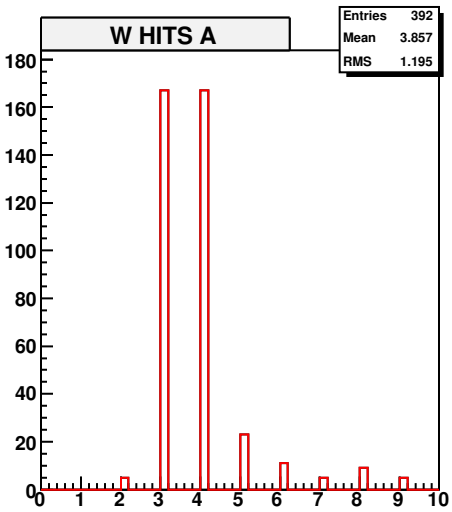


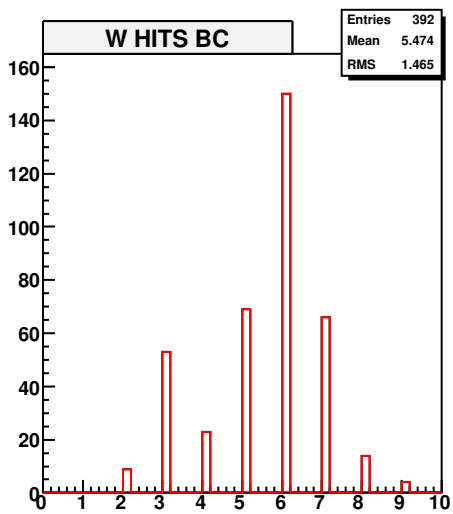


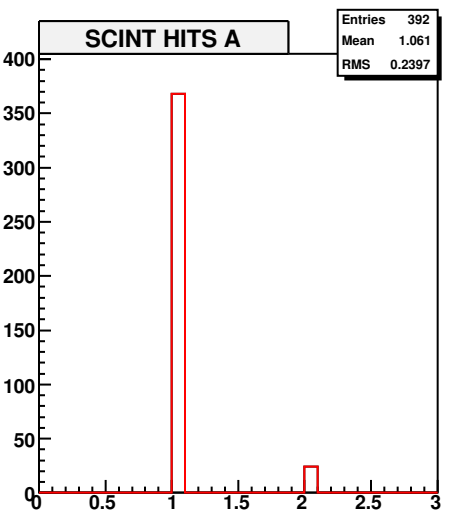


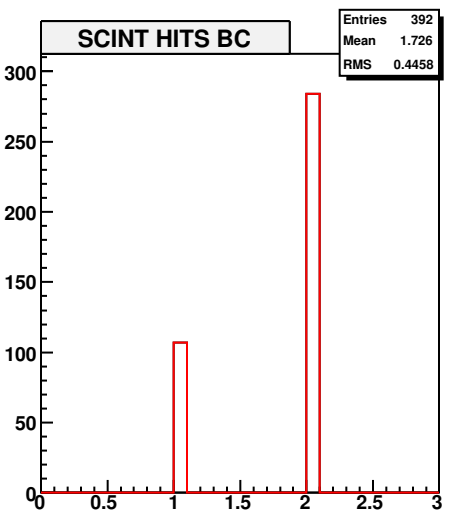




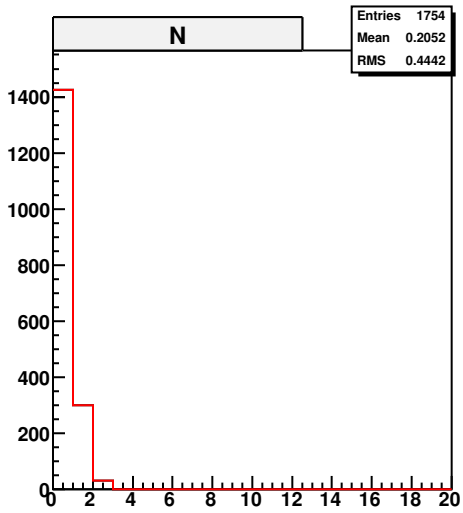


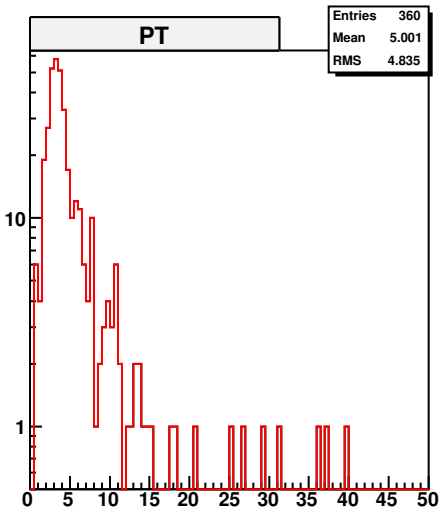


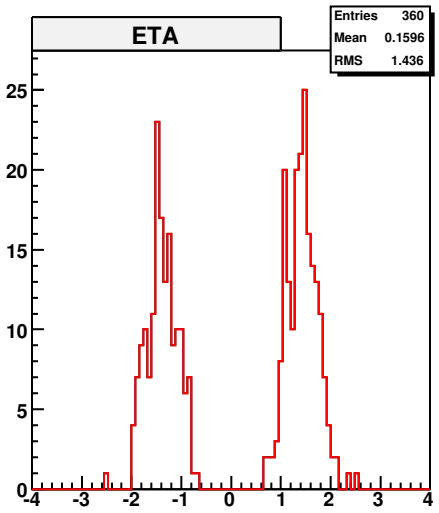


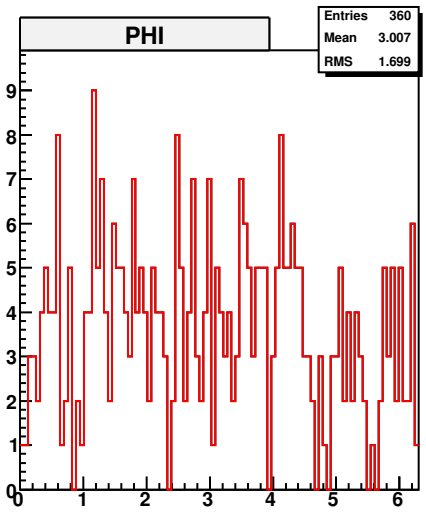


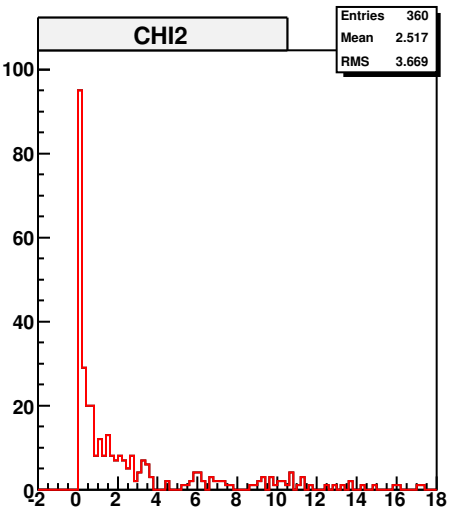
Muon Local Tracks (MediumFamus)

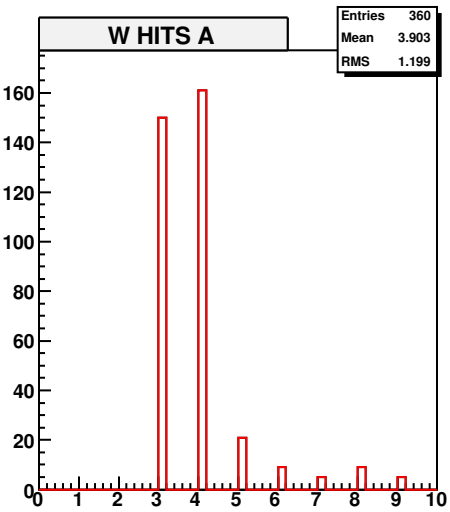


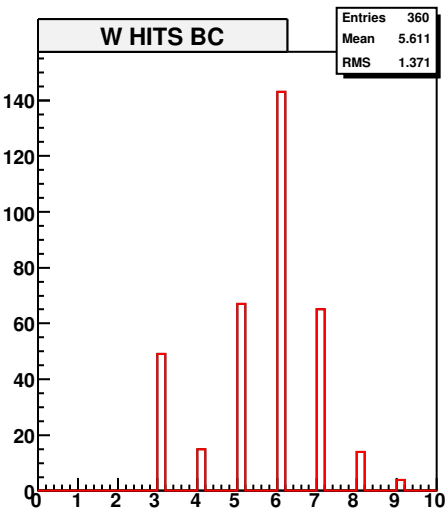


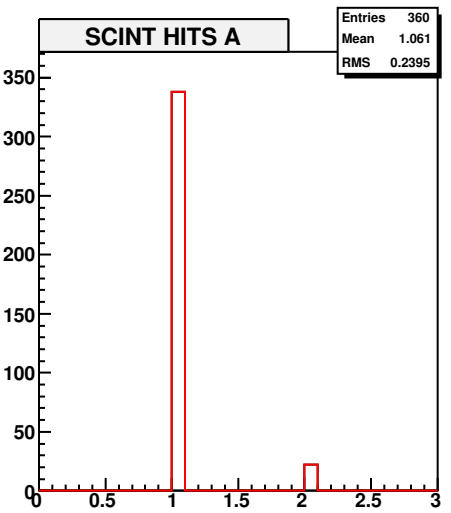


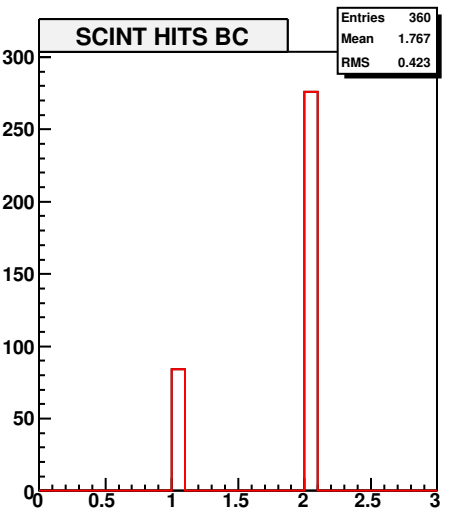




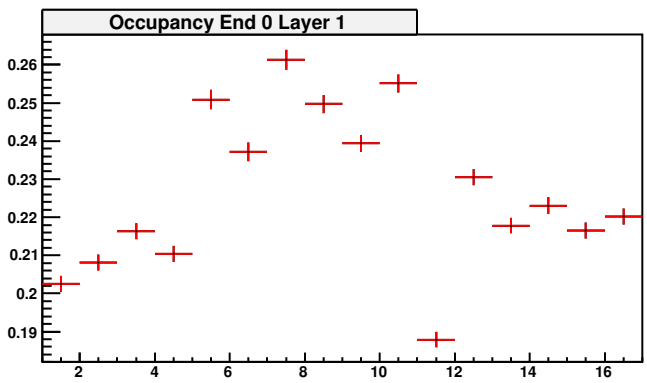


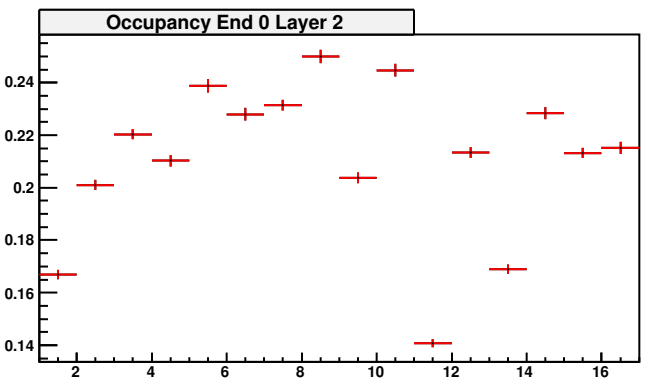


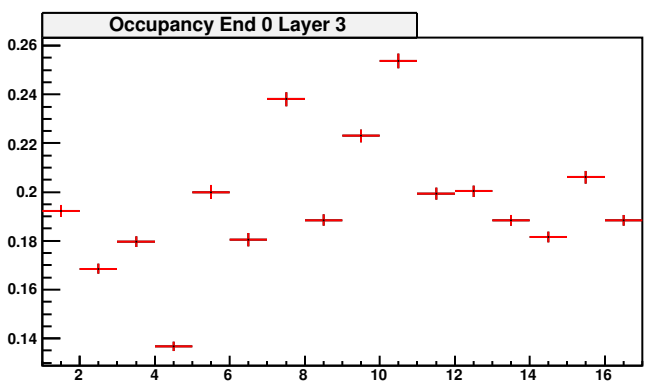


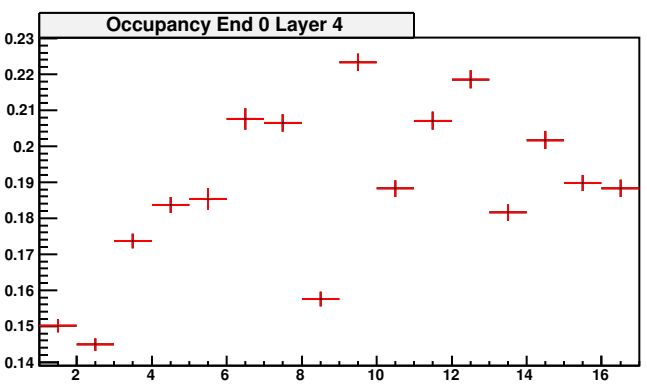


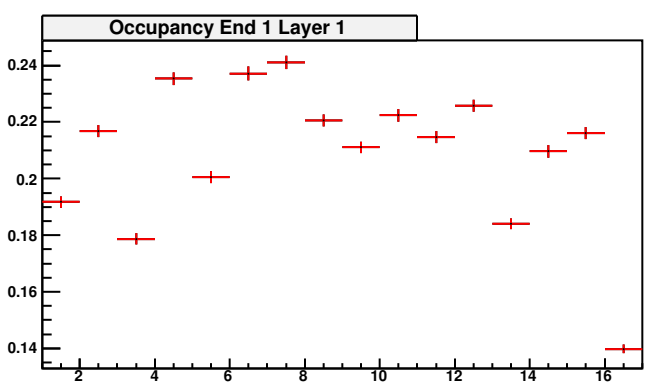
Muon Local Tracks (TightFamus)

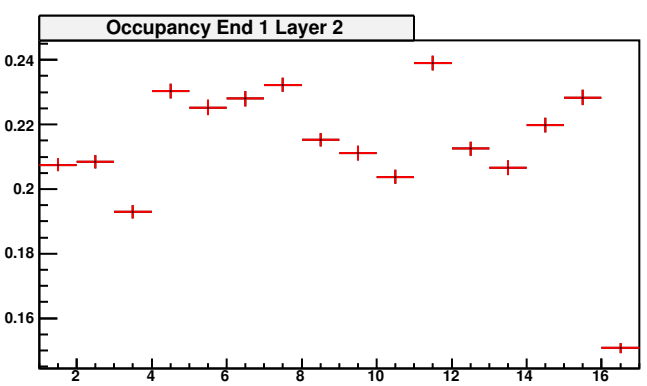


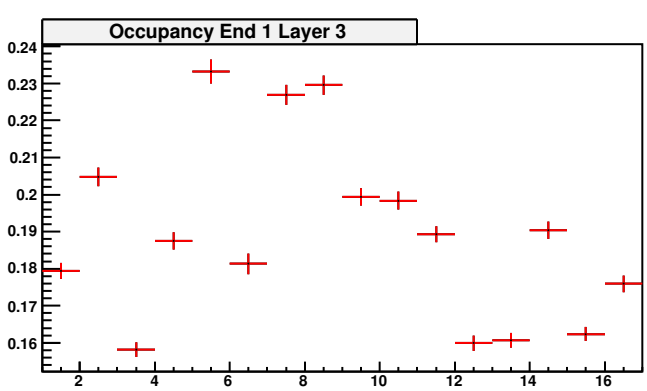


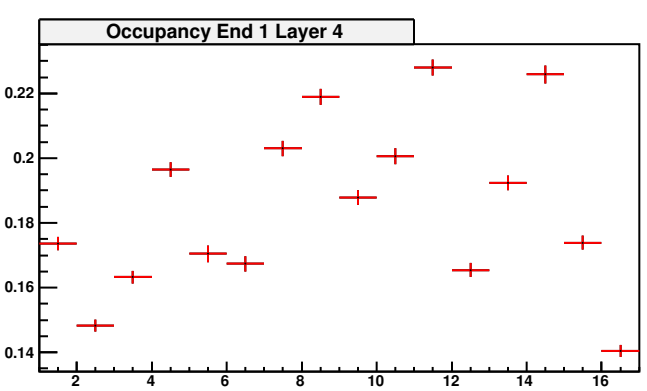




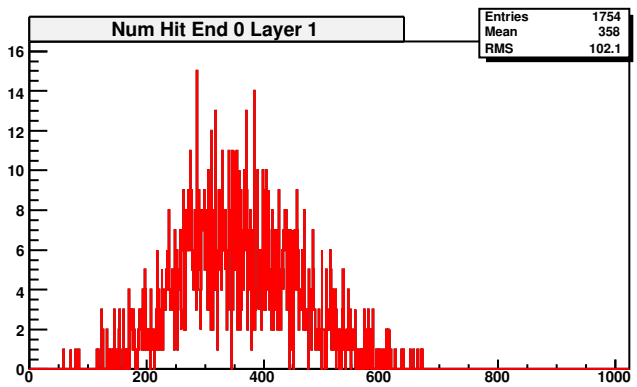


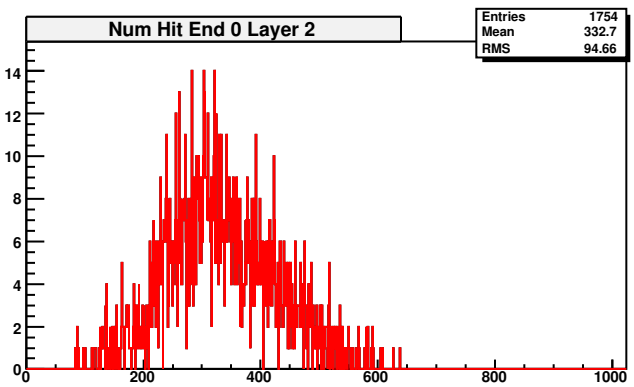


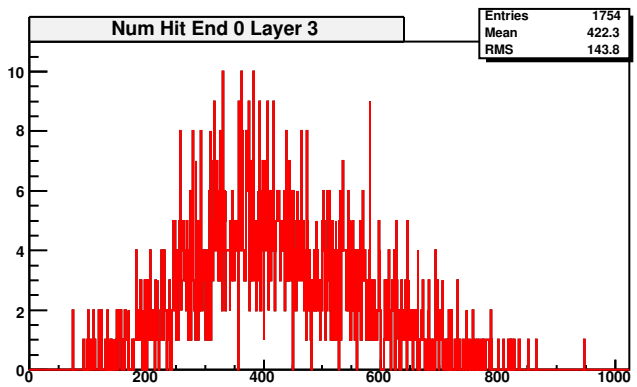


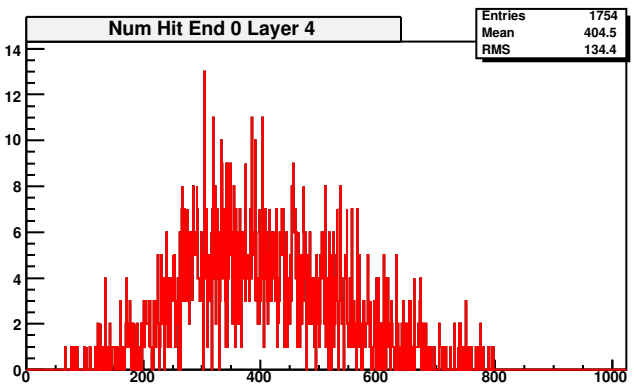


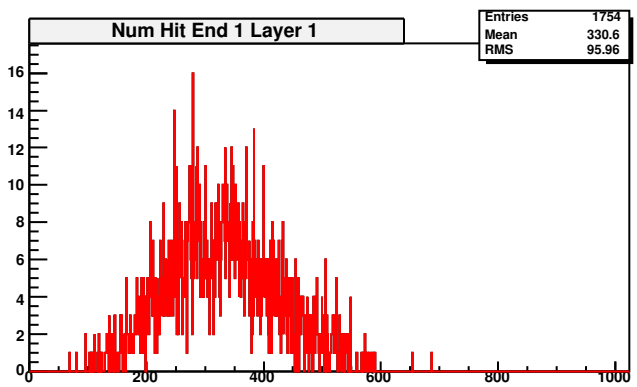
FPS Hit Occupancy (All)

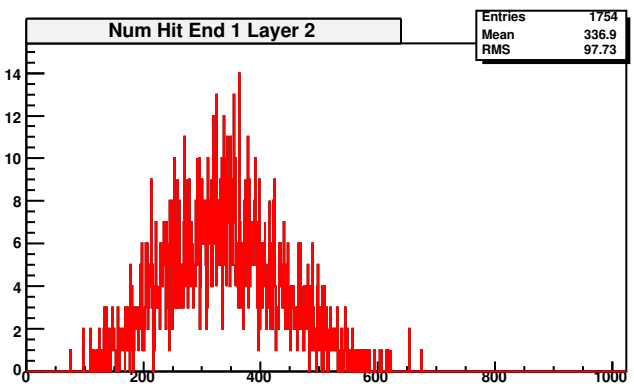


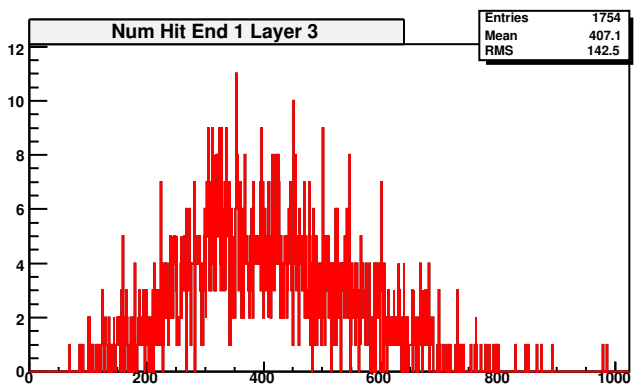


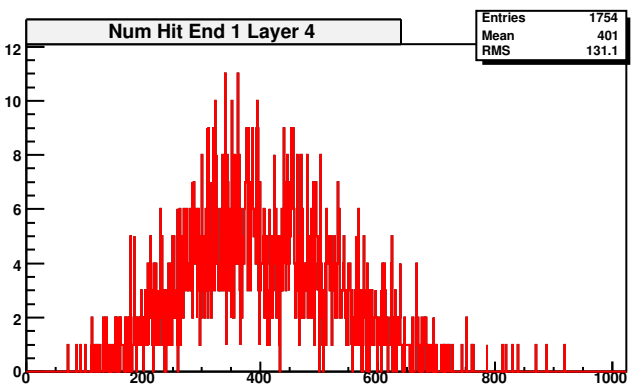












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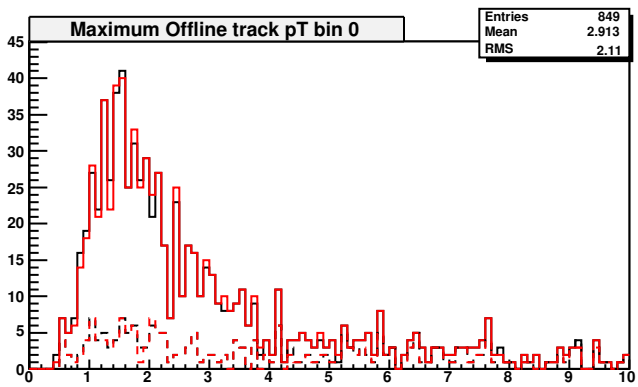
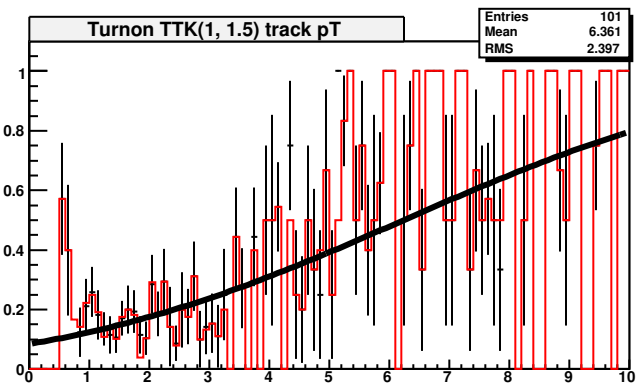
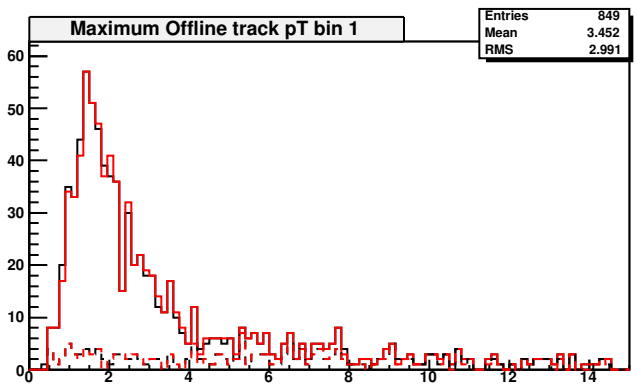
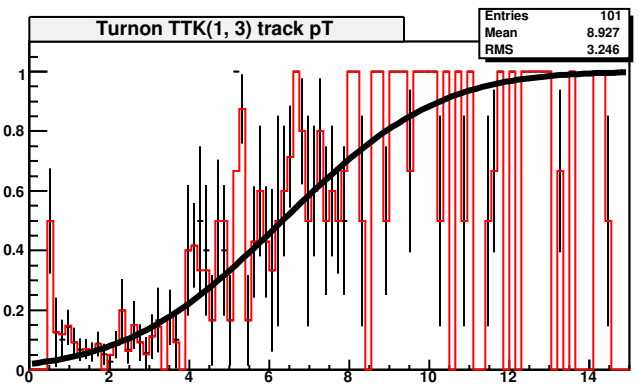
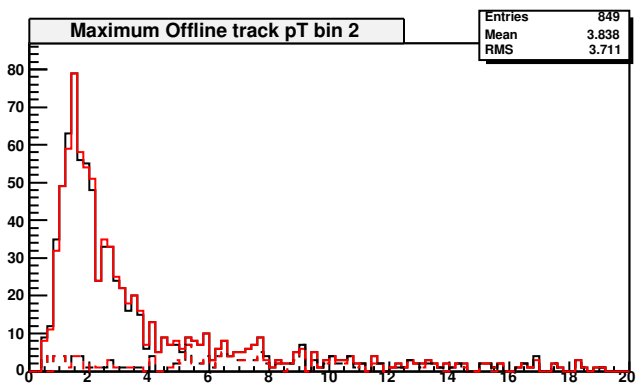
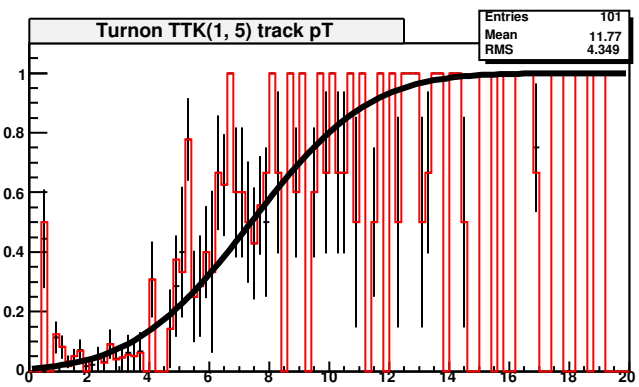


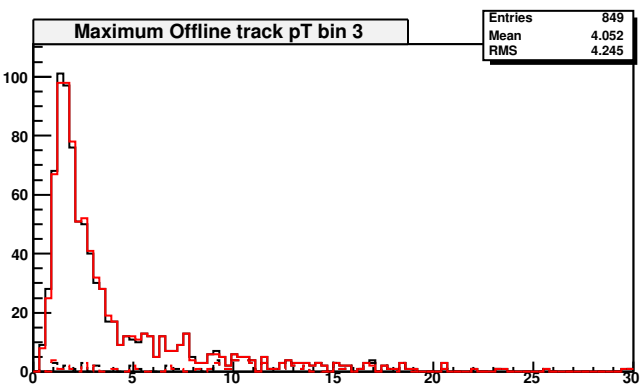


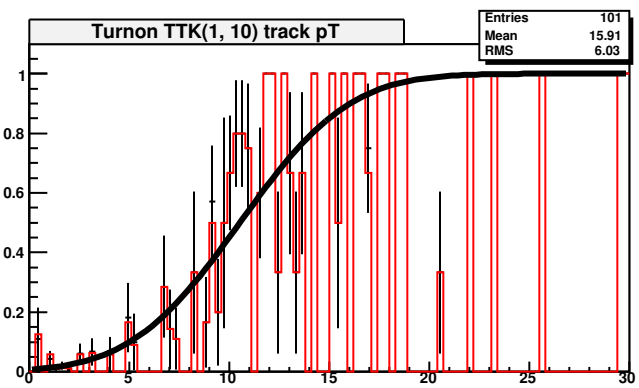




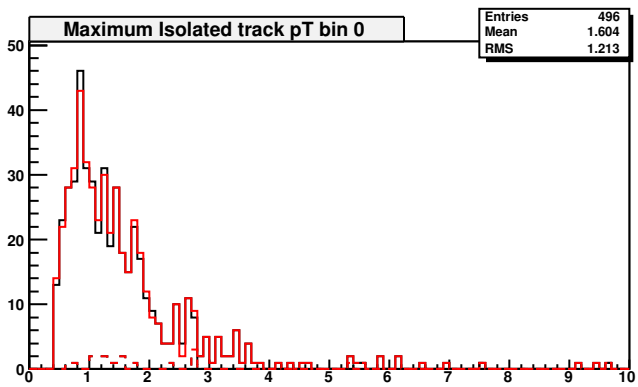


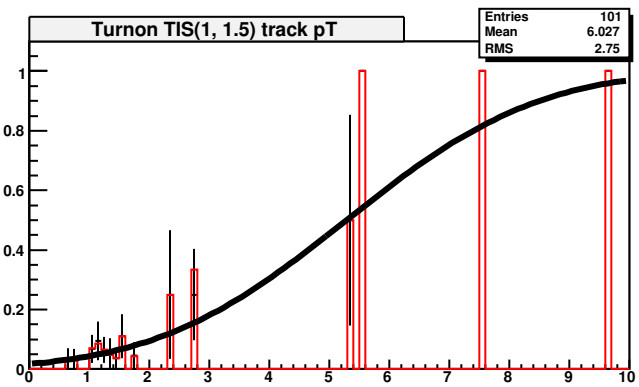


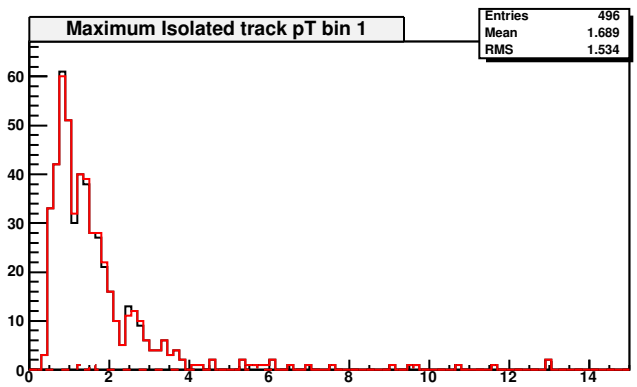


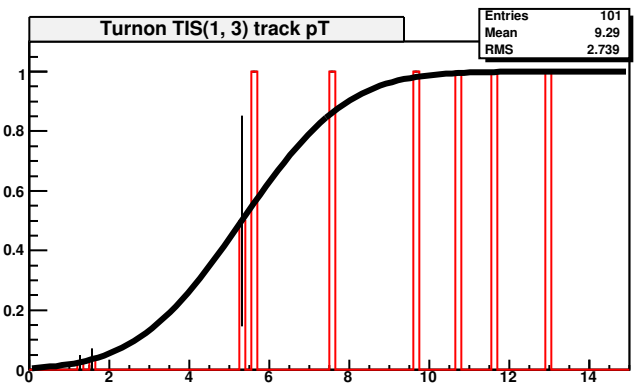


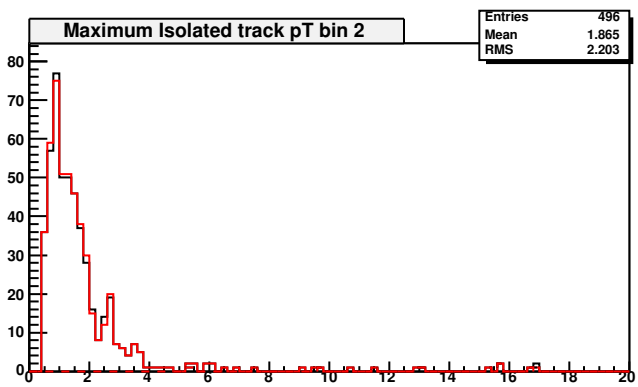
TTK Turnon curves (L1CTT All)

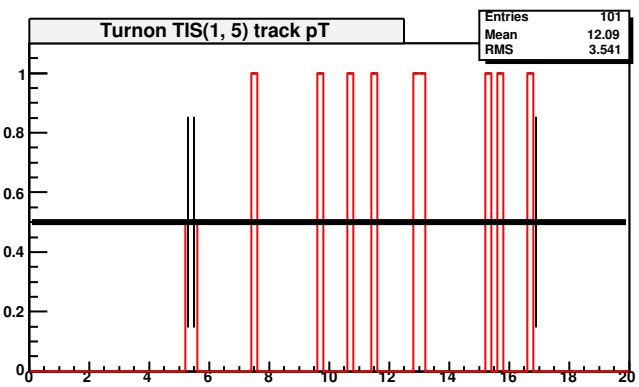


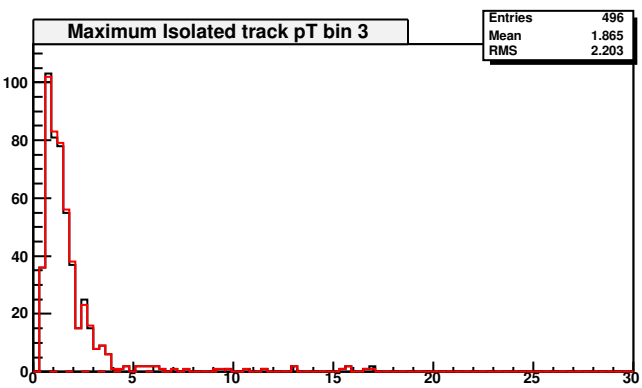


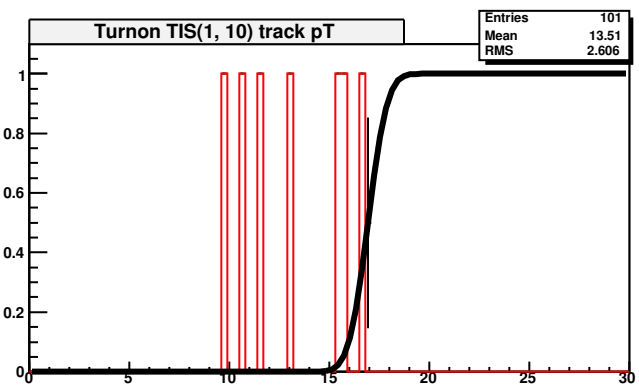




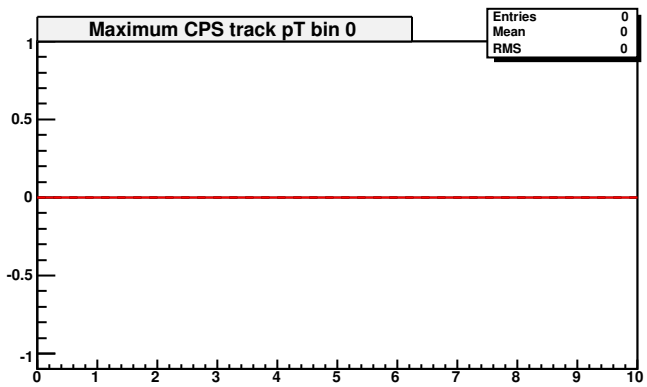


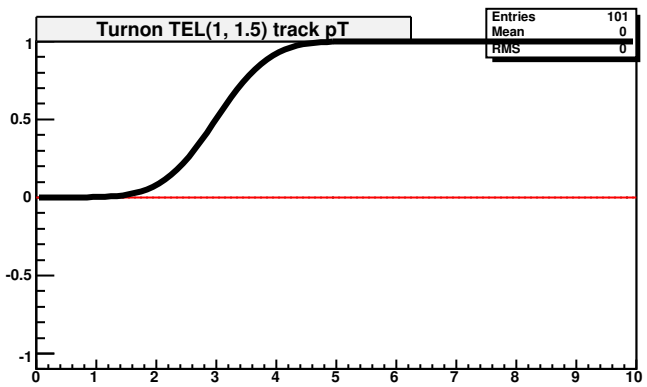


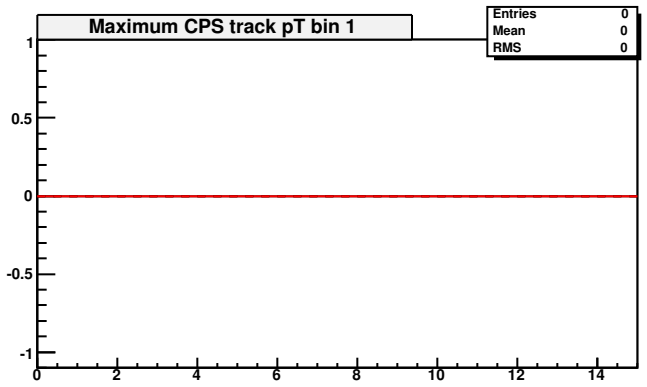


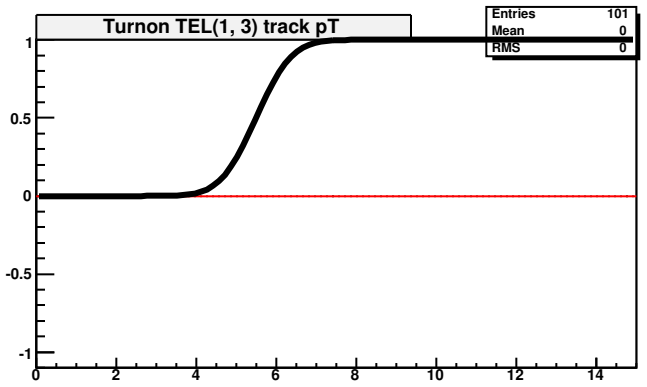


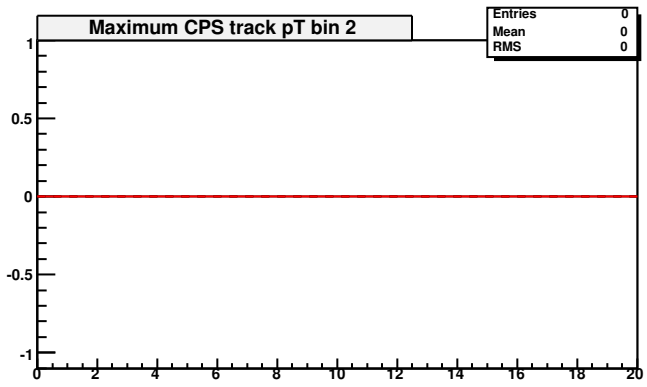
TIS Turnon curves (L1CTT All)

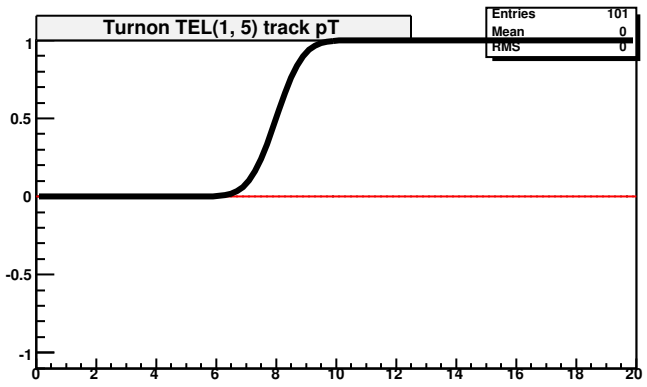


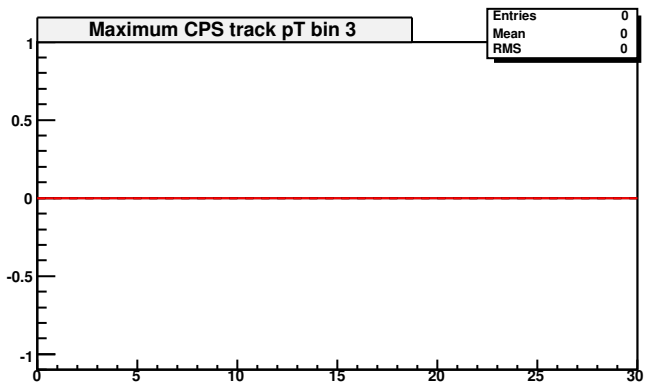


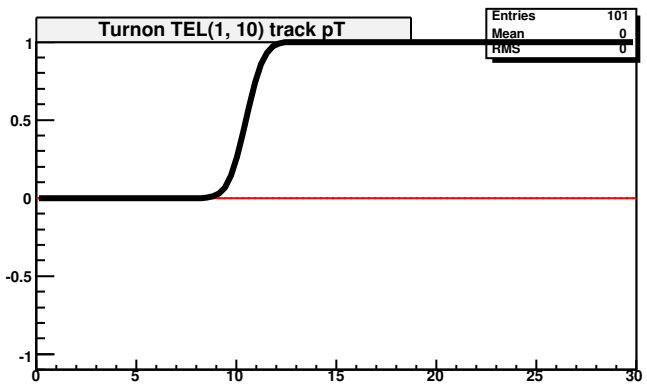




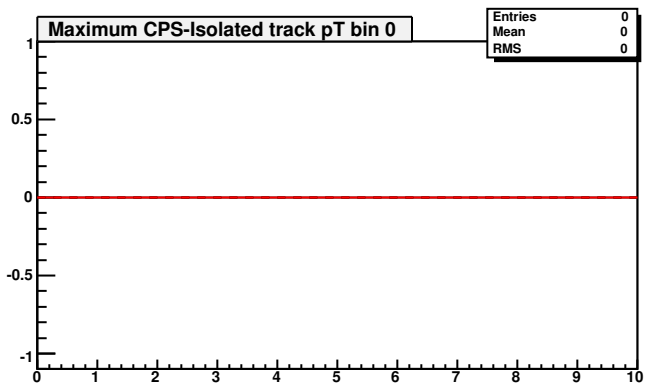


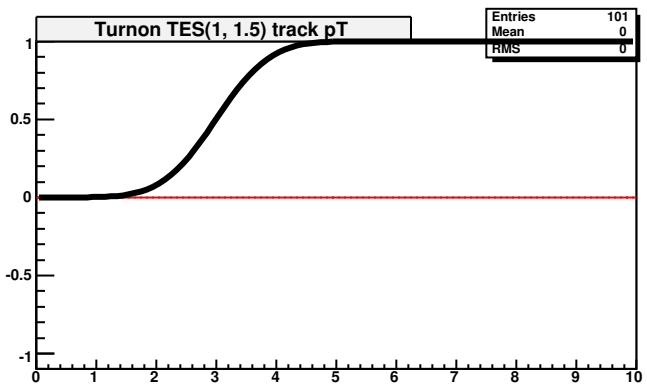


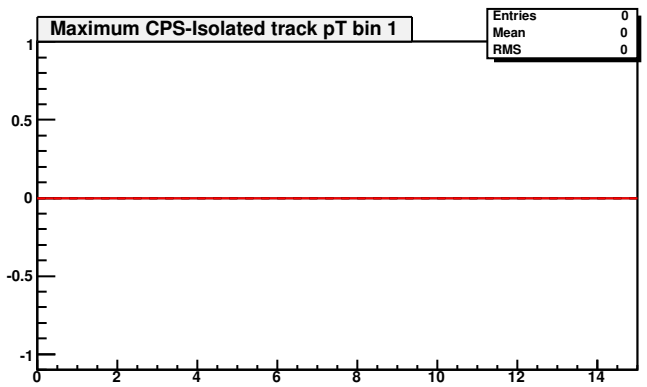


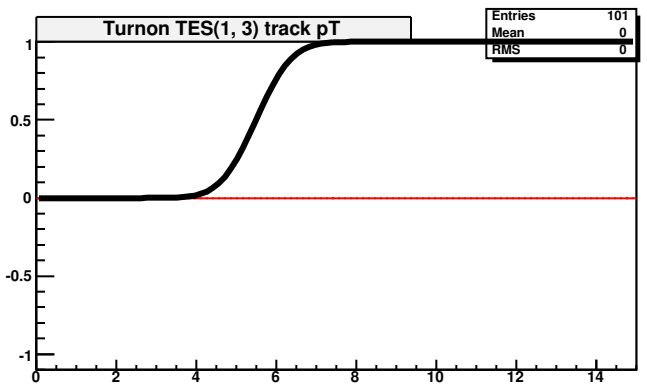


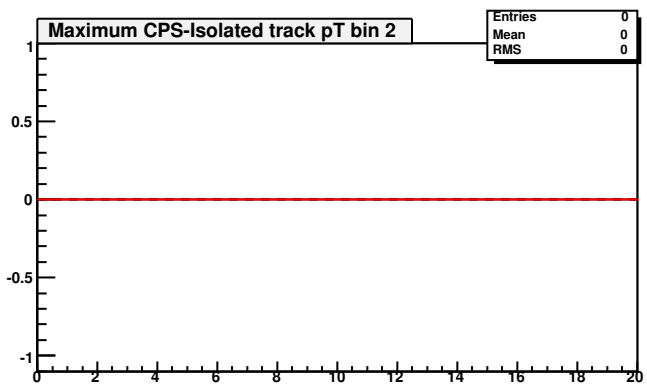
TEL Turnon curves (L1CTT All)

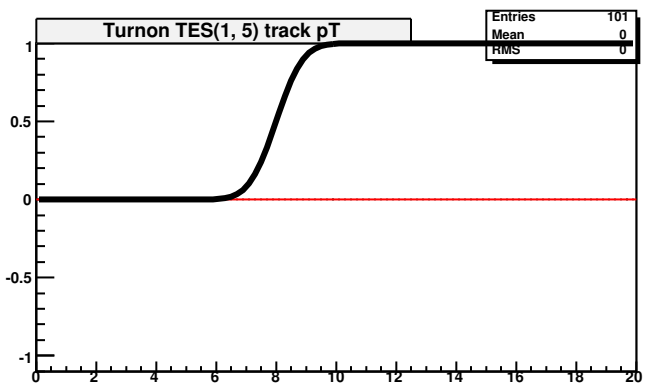


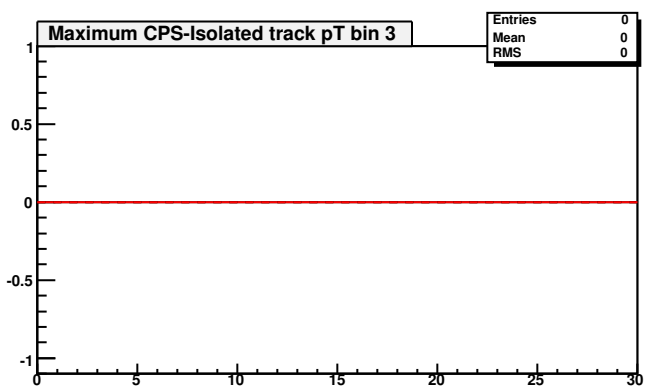


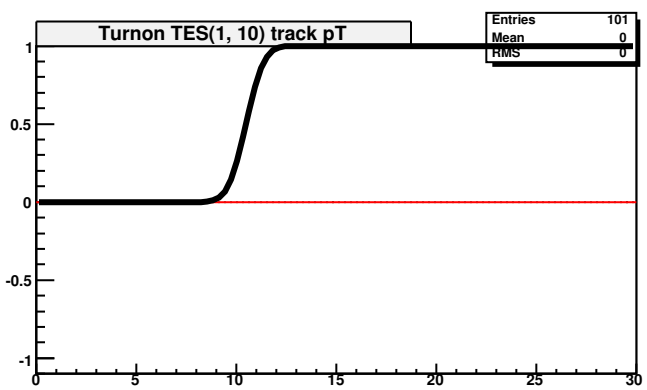




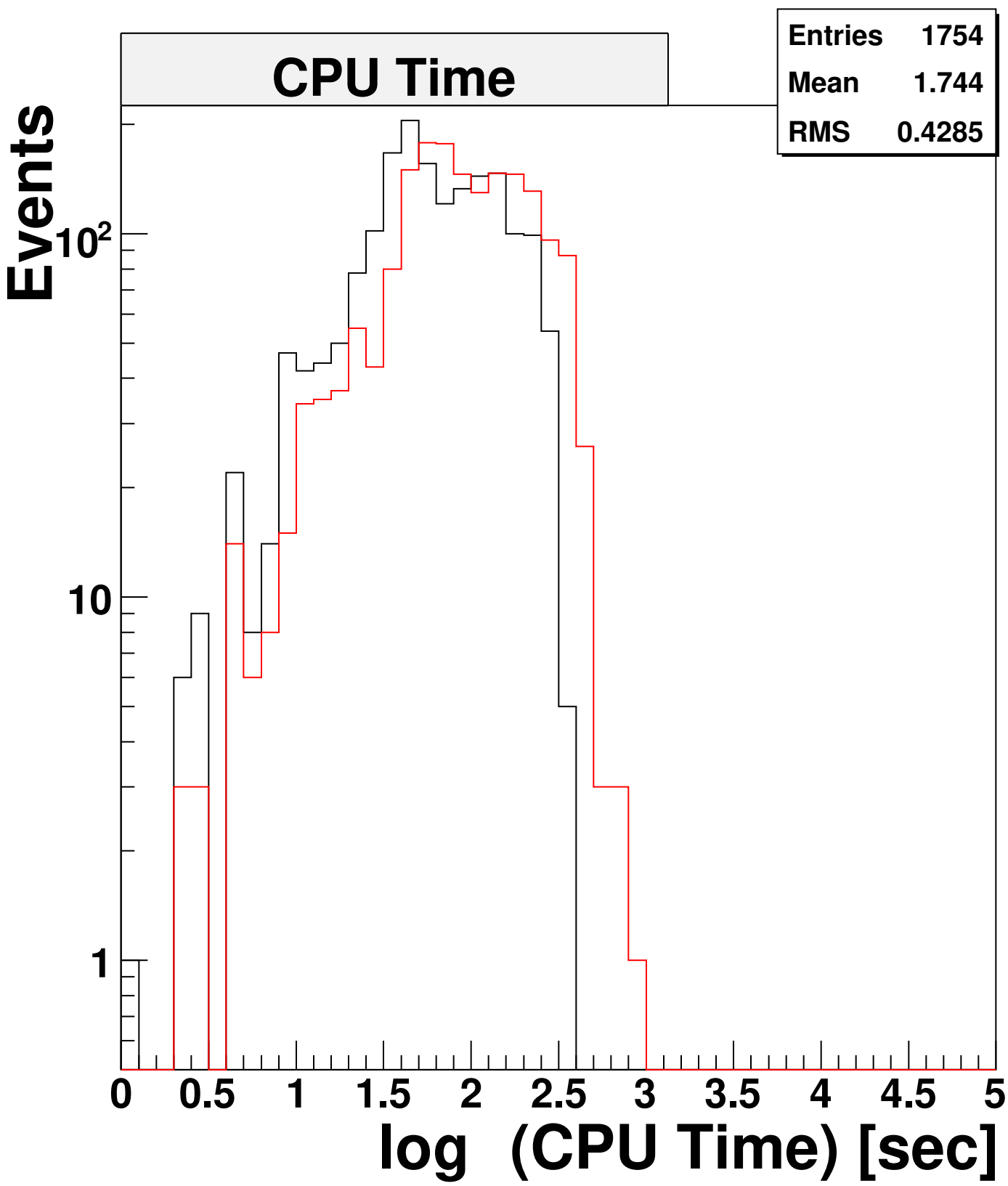








TES Turnon curves (L1CTT All)



RECO Performance (Timing)