dayset-2006-08-25-all_4-224584-0_certification_20070
../unmerged/dayset-2006-08-25-all_4-224584-0_certific

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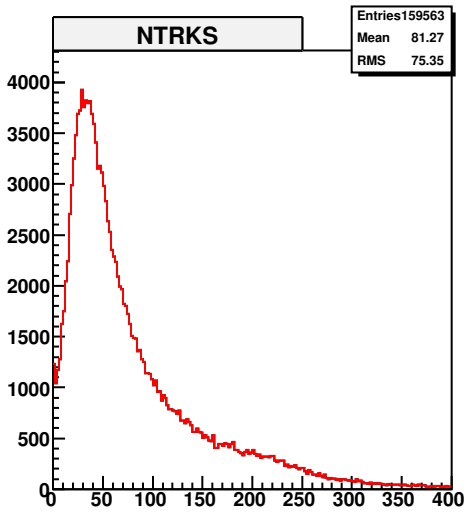
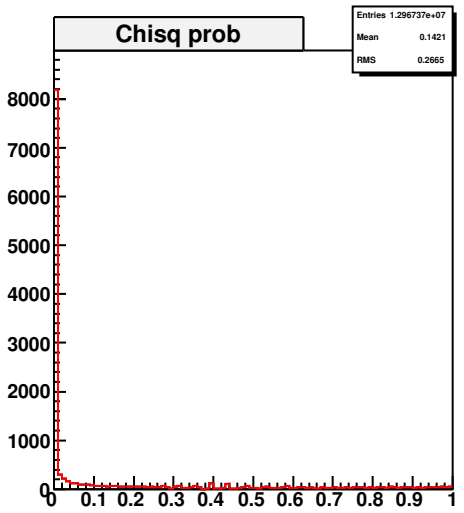
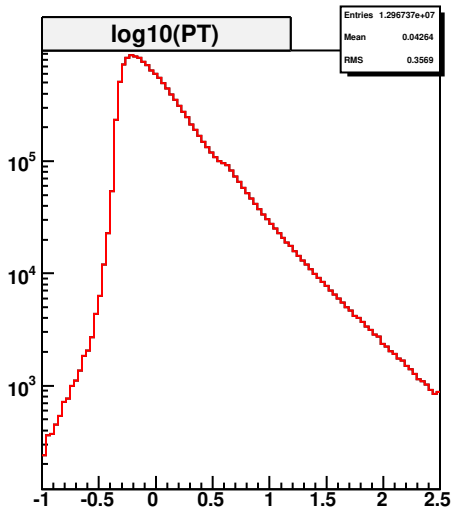
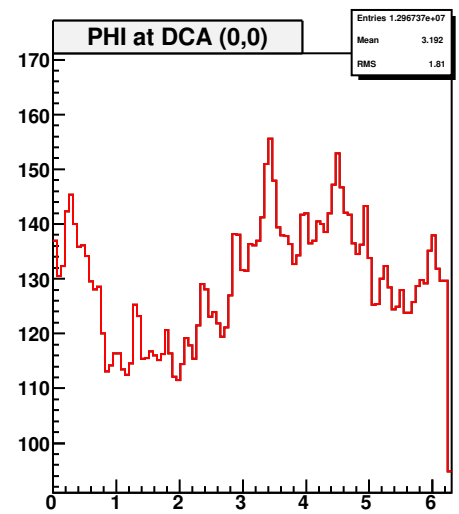
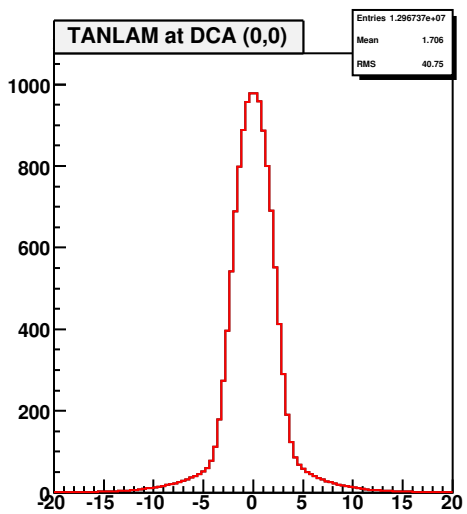
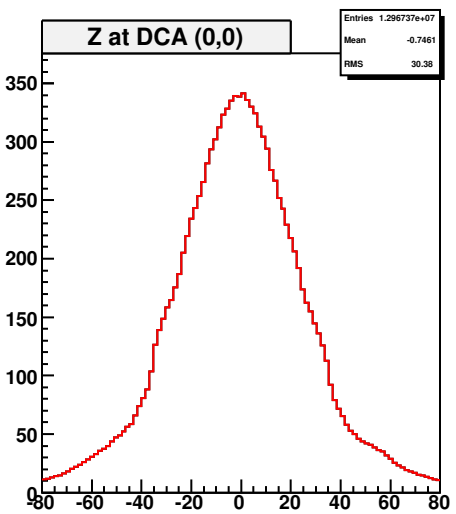

NTRKS
Entries 159563
Mean 81.27
RMS 75.35

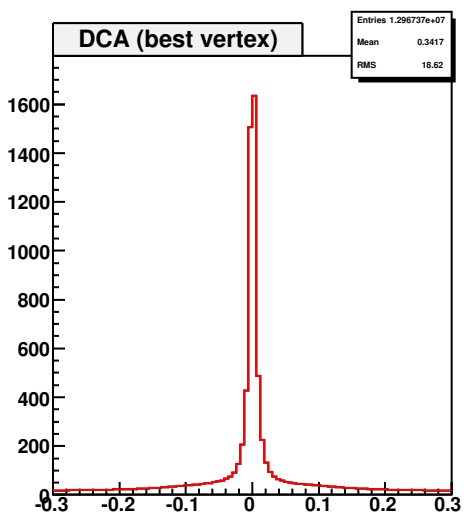

Chisq prob
Entries 1.296737e+07
Mean 0.1421
RMS 0.2665

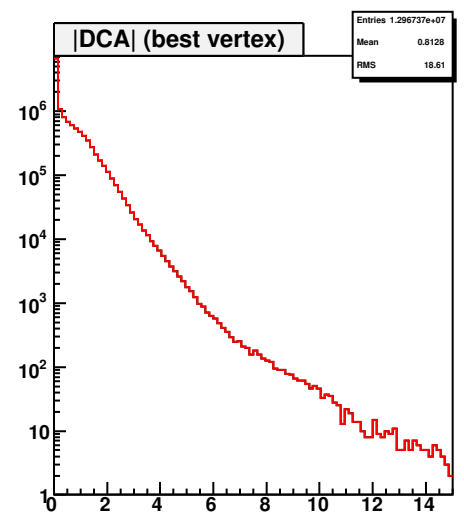

log10(PT)
Entries 1.296737e+07
Mean 0.04264
RMS 0.3569

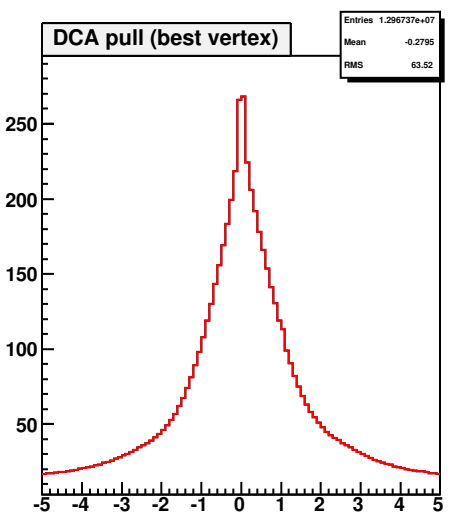

PHI at DCA (0,0)
Entries 1.296737e+07
Mean 3.192
RMS 1.81


TANLAM at DCA (0,0)
Entries 1.296737e+07
Mean 1.706
RMS 40.75

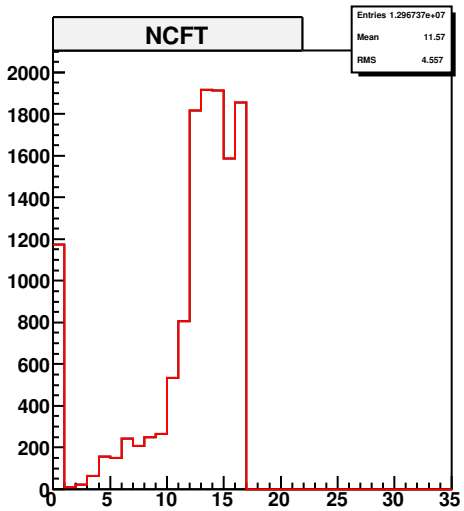

Z at DCA (0,0)
Entries 1.296737e+07
Mean -0.7461
RMS 30.38

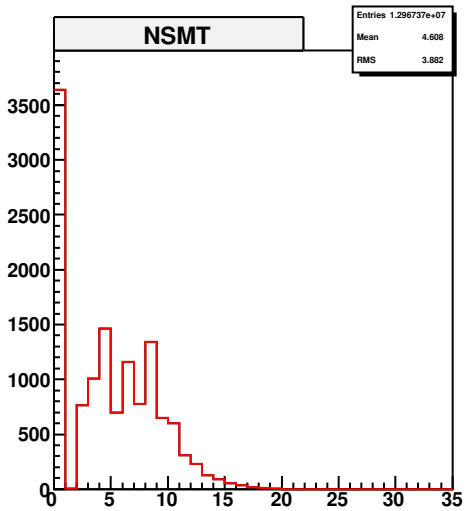

DCA (best vertex)
Entries 1.296737e+07
Mean 0.3417
RMS 18.62

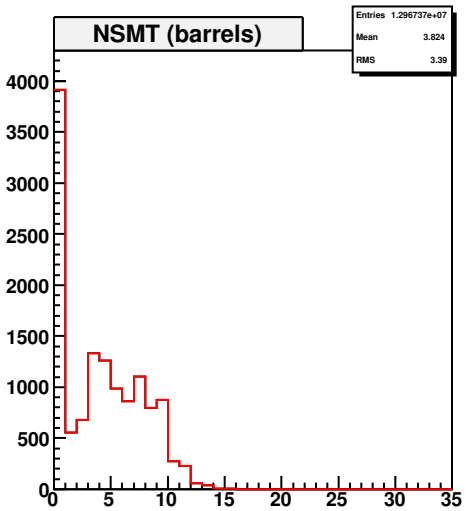

|DCA| (best vertex)
Entries 1.296737e+07
Mean 0.8128
RMS 18.61

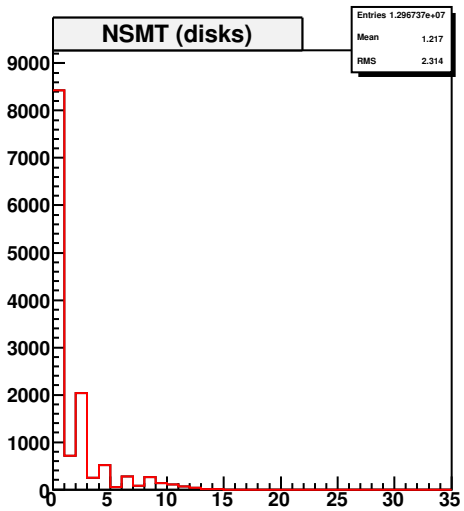

DCA pull (best vertex)
Entries 1.296737e+07
Mean -0.2795
RMS 63.52

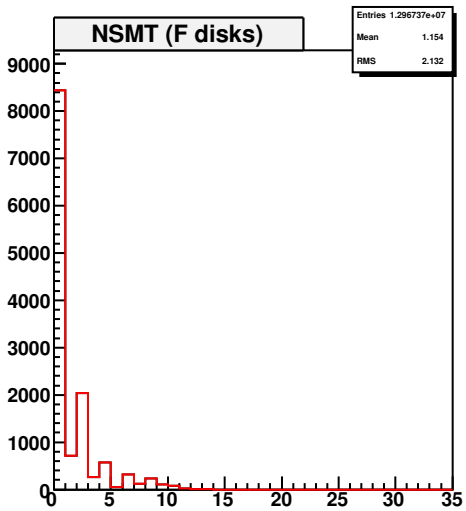
Tracks (All)

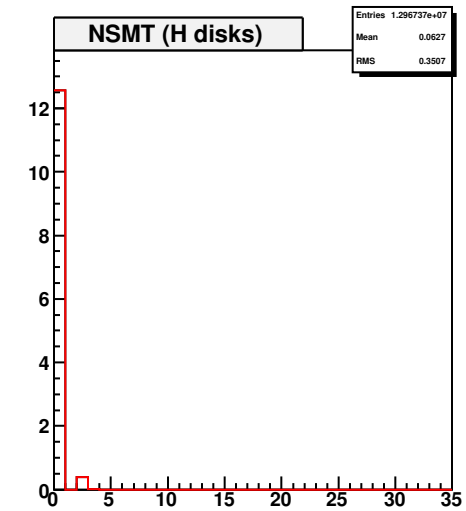


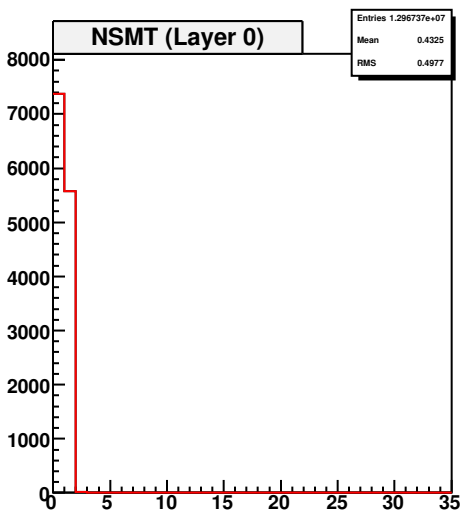




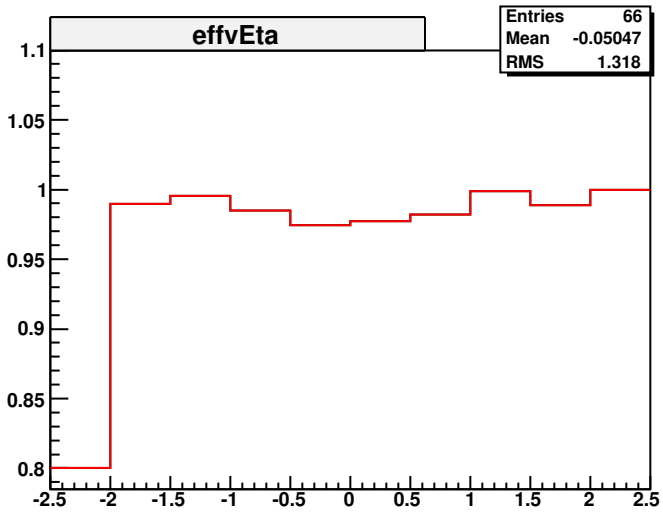


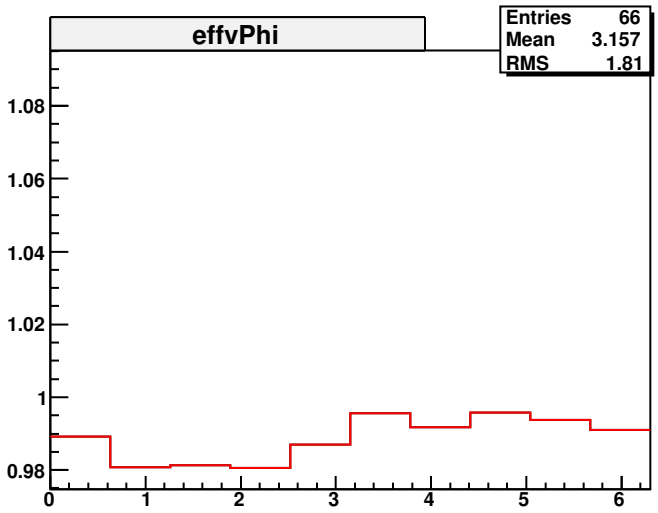


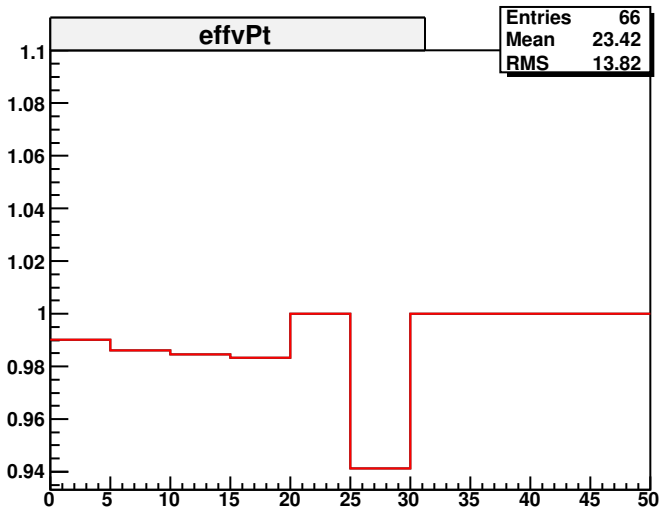


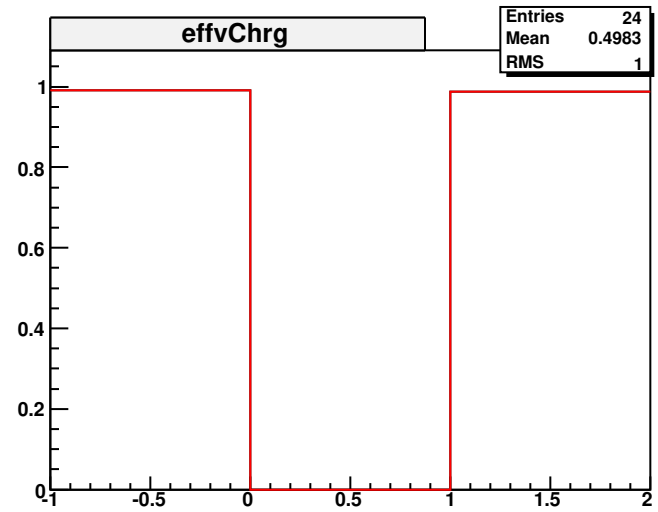


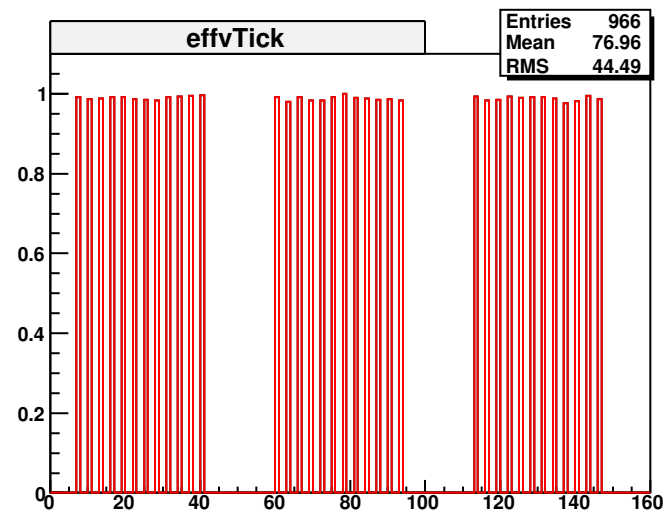
Track Hits (All)

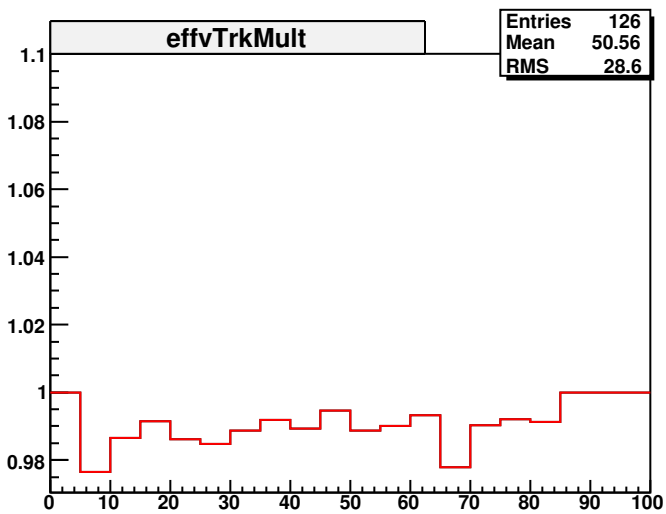




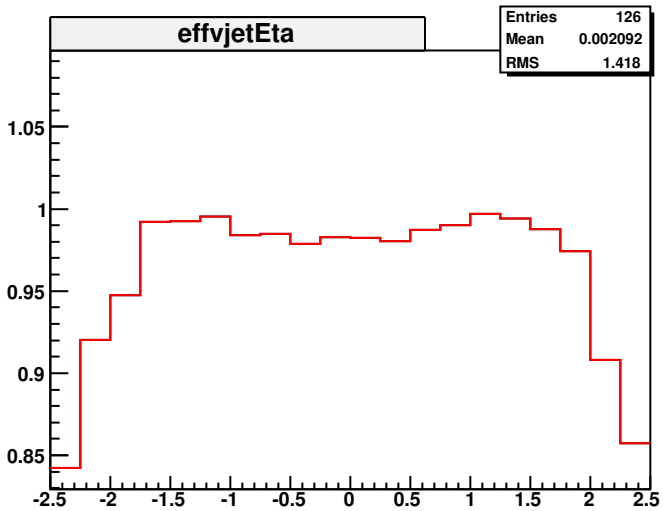


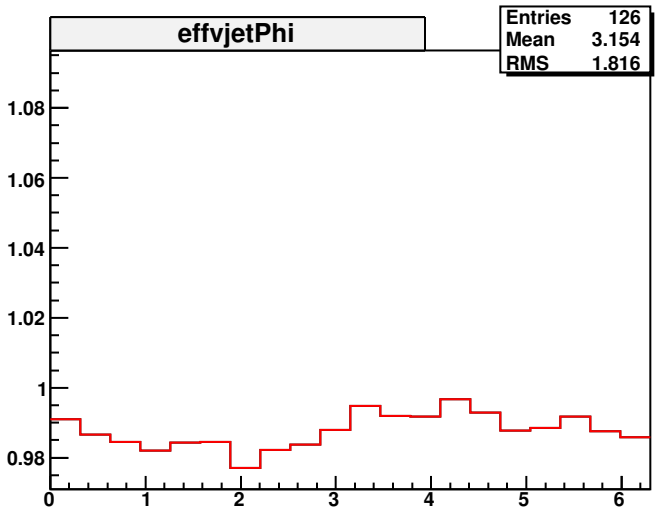


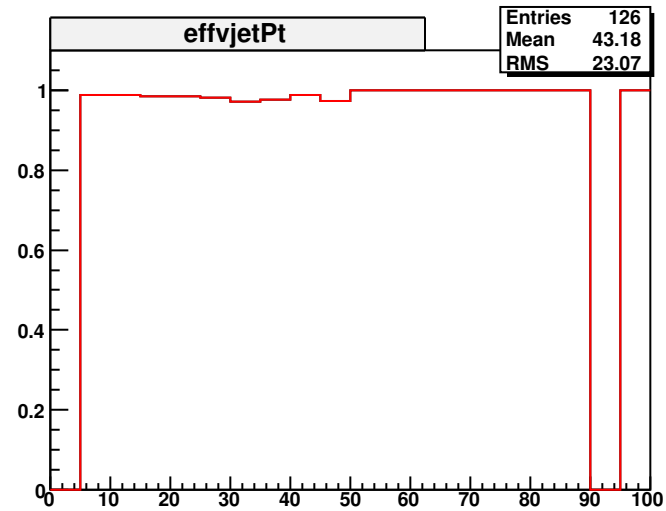




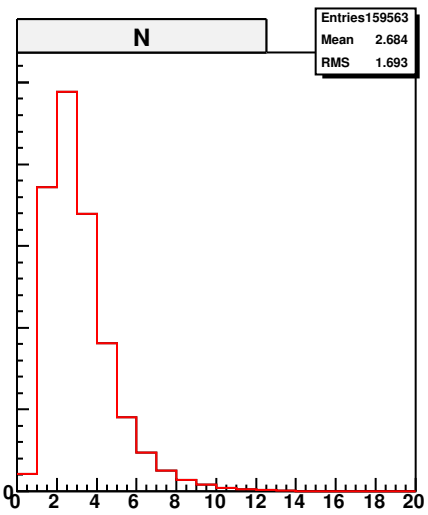
Tracking (Efficiency-Isolated)

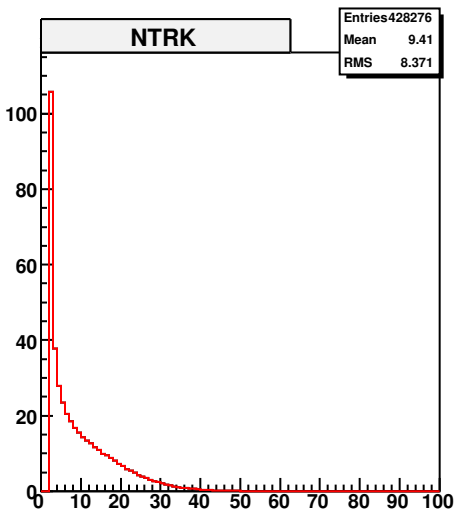


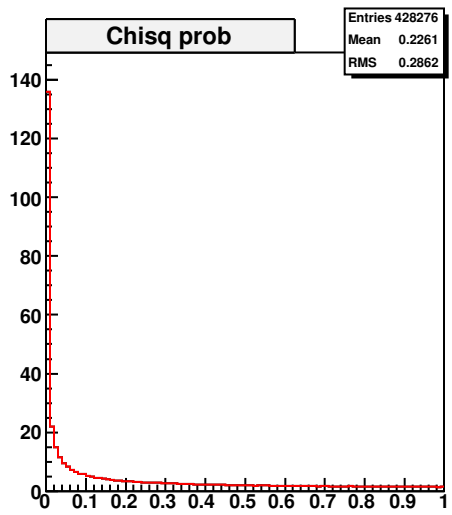


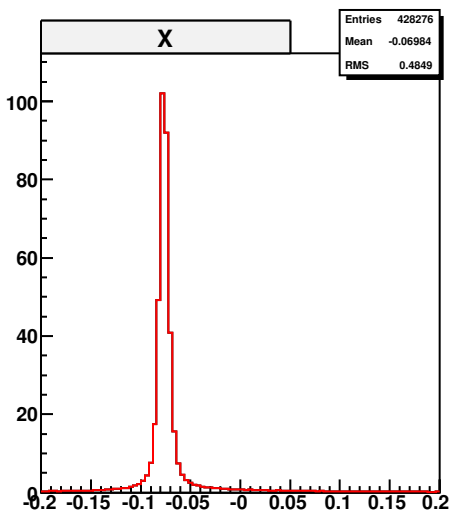


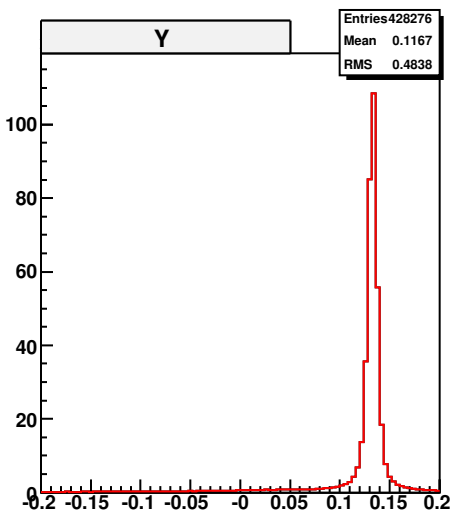
Tracking (Efficiency-InJets)

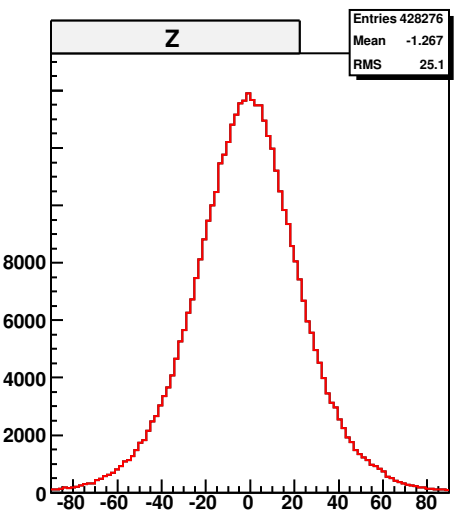




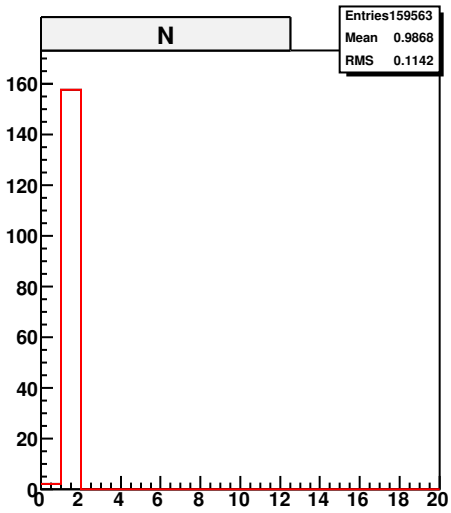


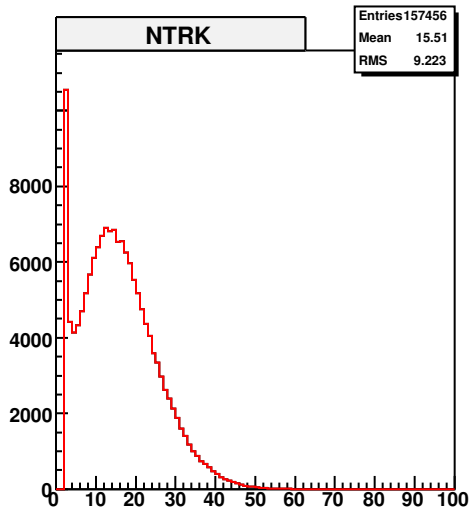


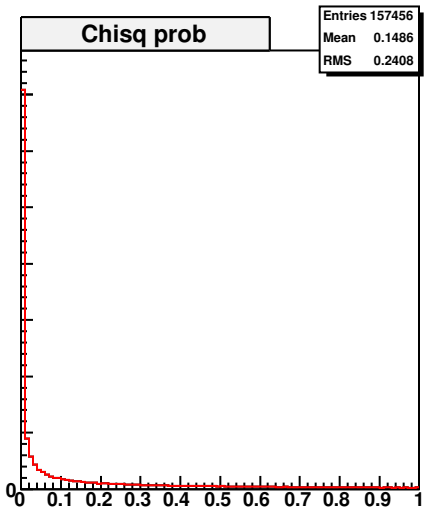


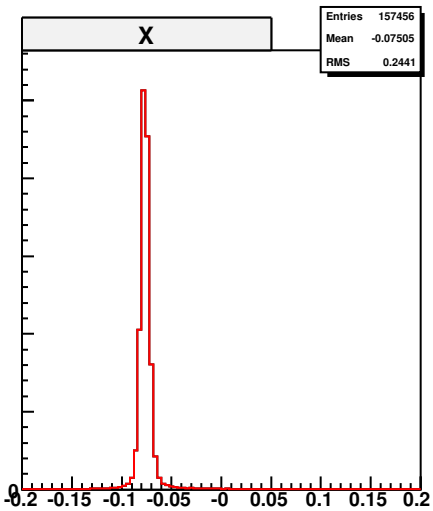


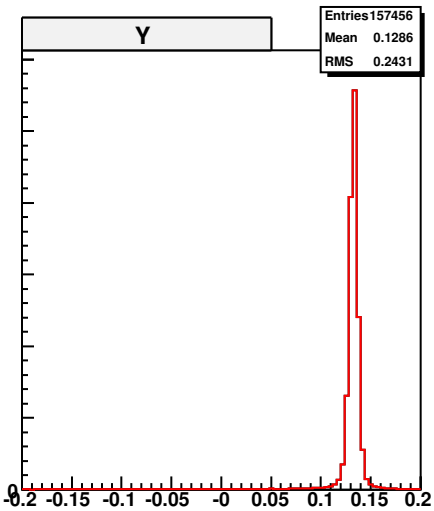
Vertices (Primary - all candidates)

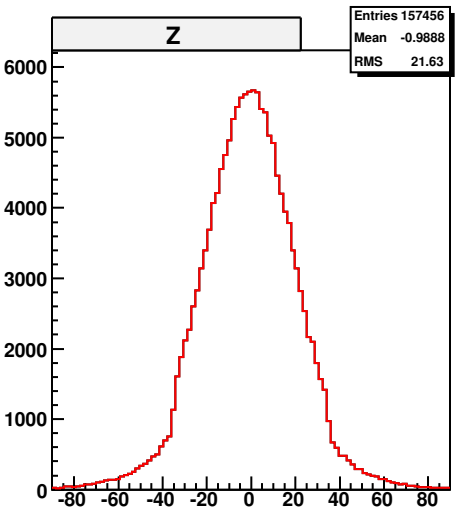




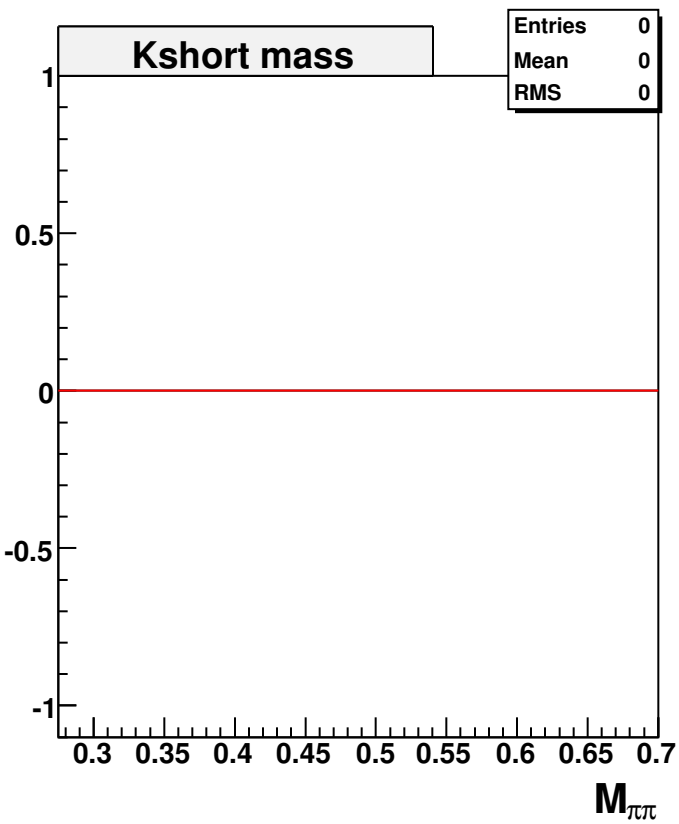


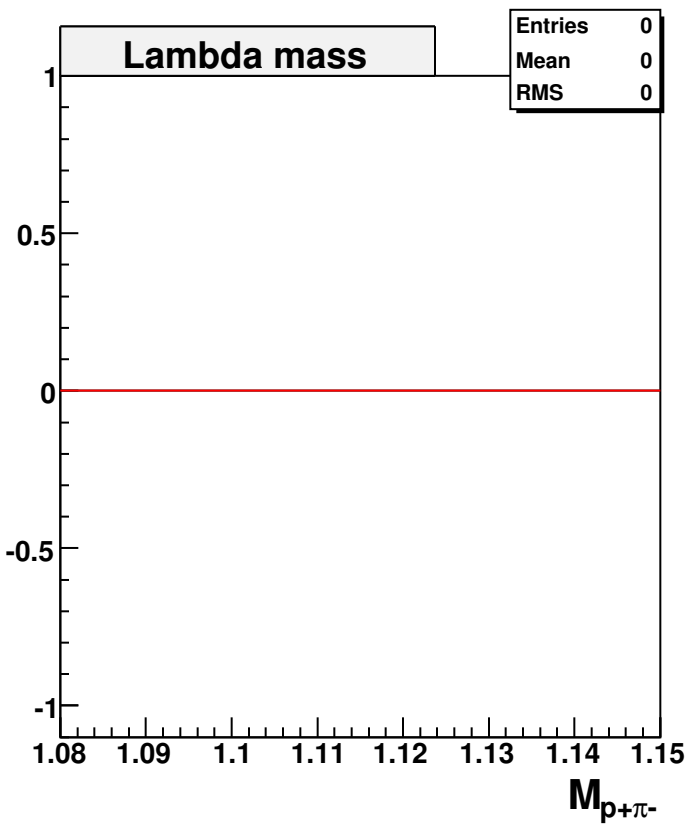


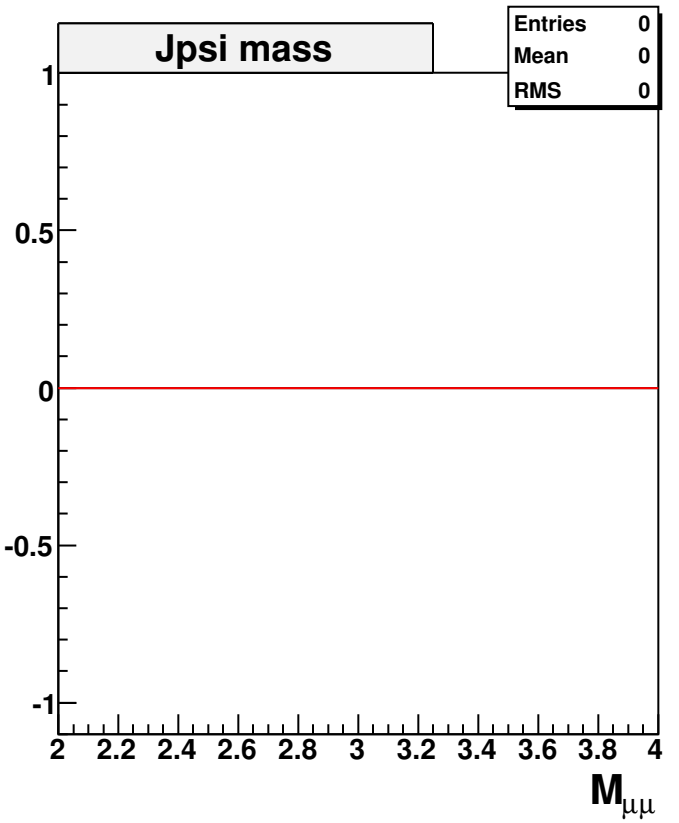


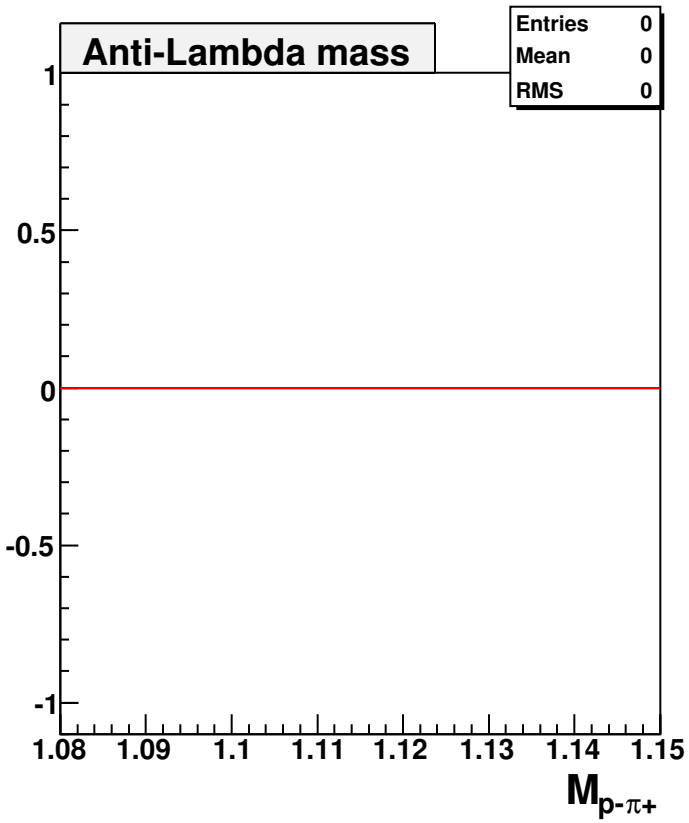


Vertices (Primary - best)

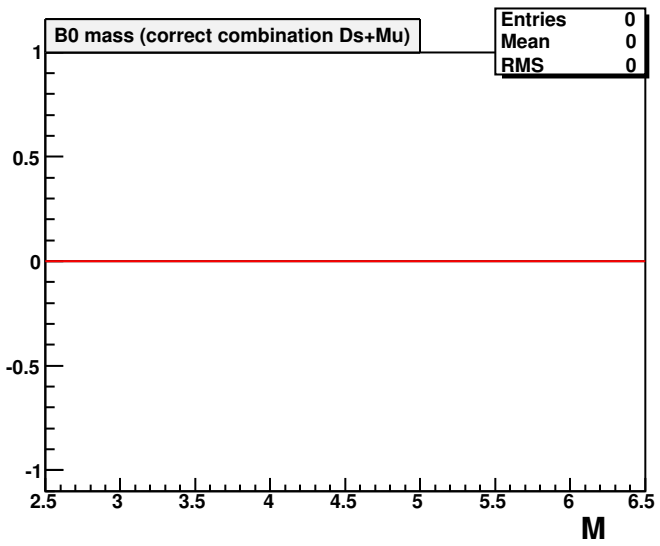

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

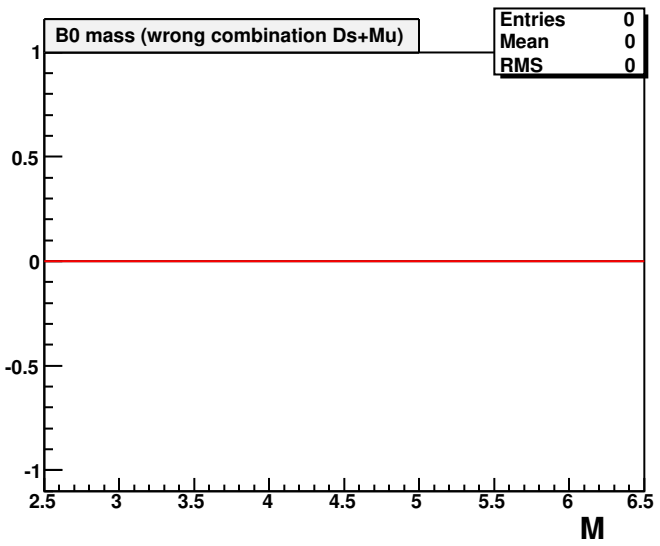

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

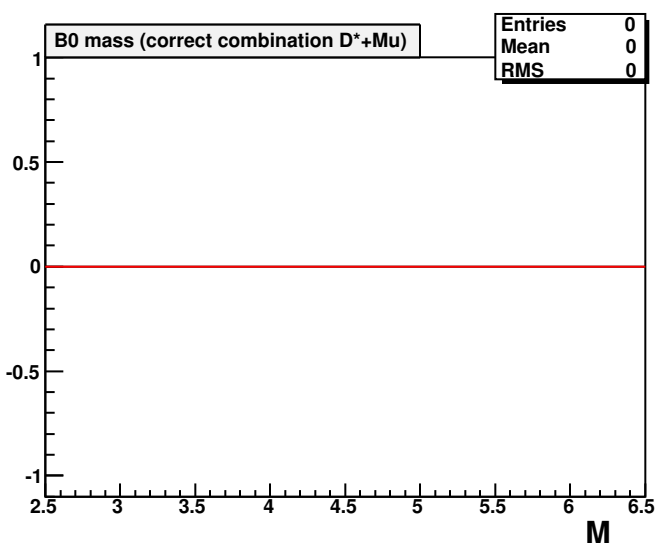

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

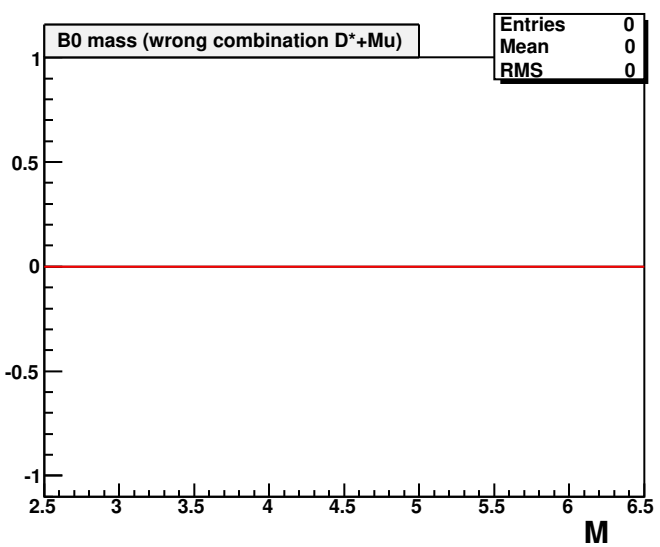

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

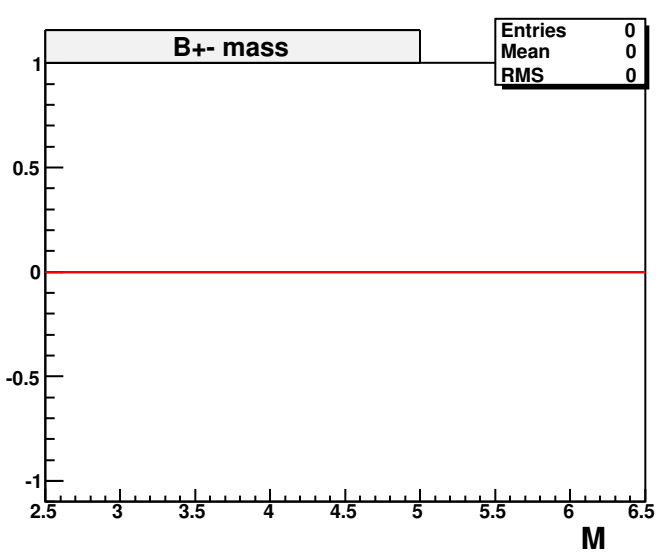
V0 (All)



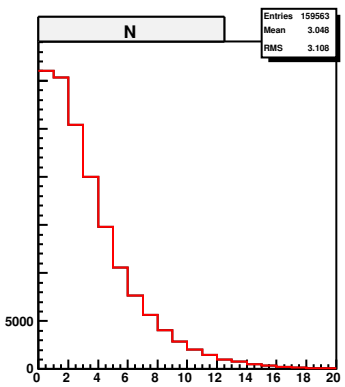


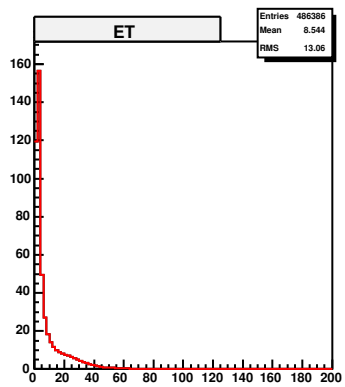


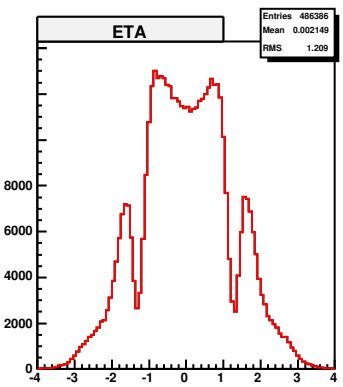


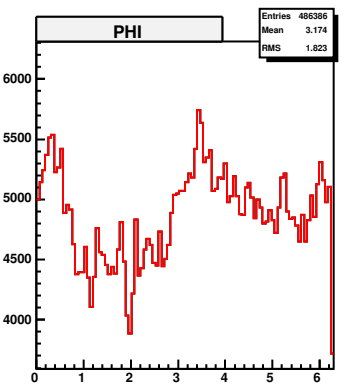


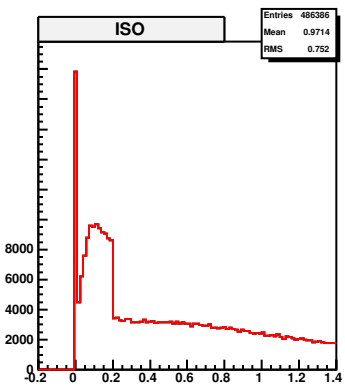
V0(B mesons) (All)

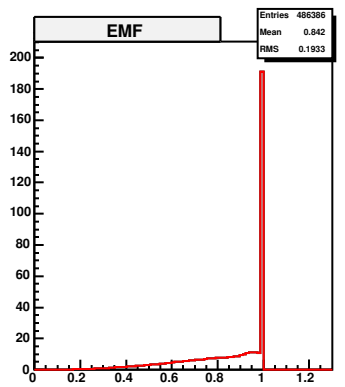


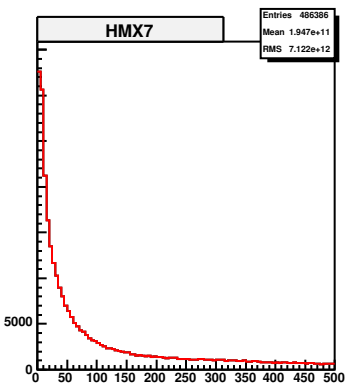


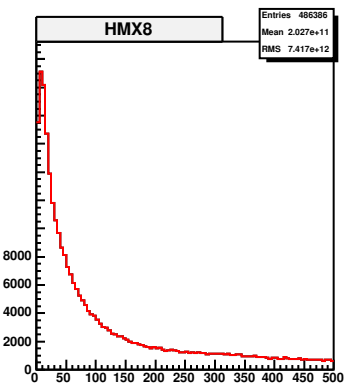


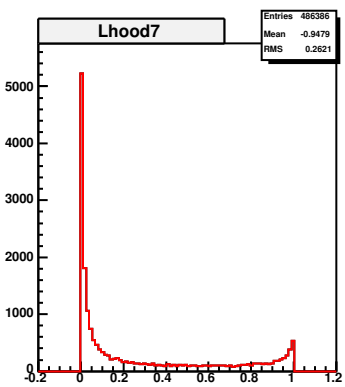


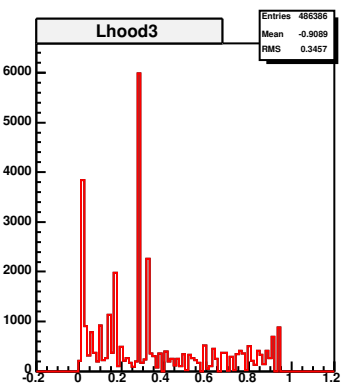


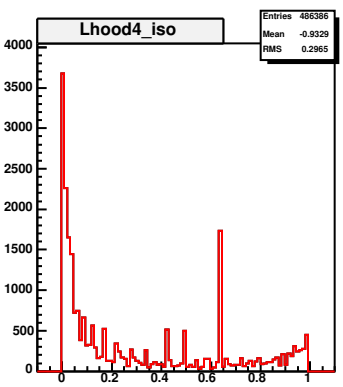


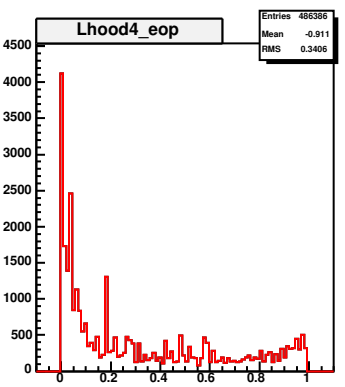


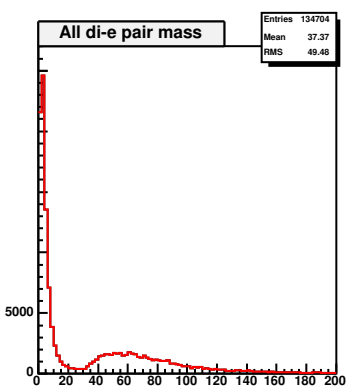


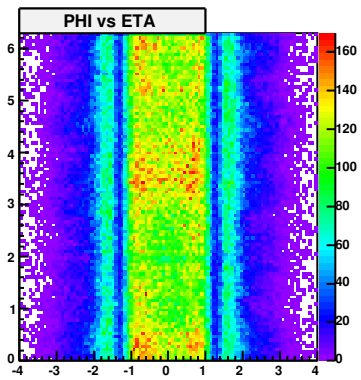


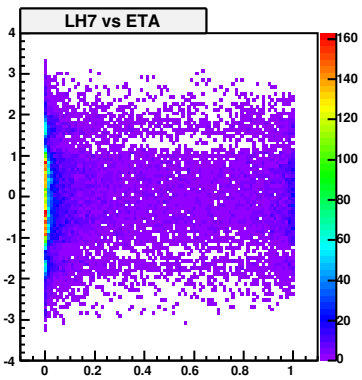


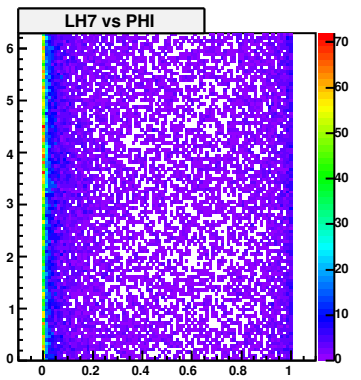




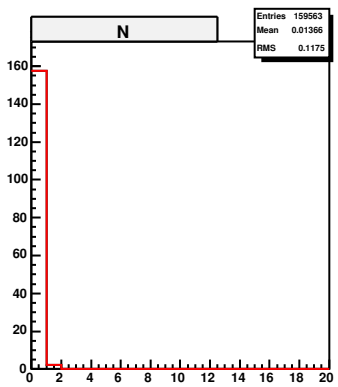


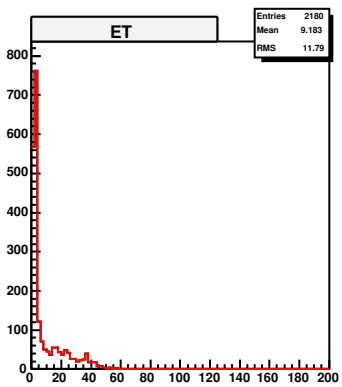


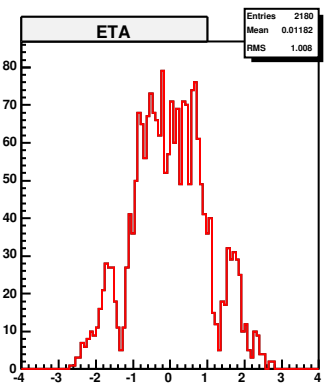


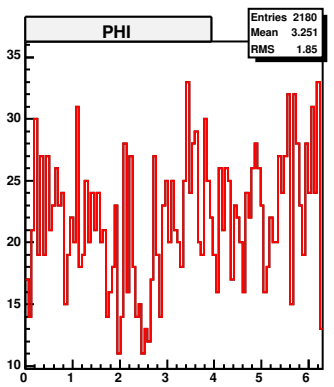


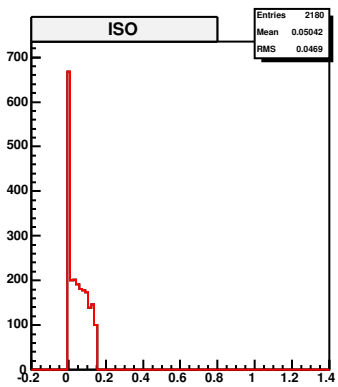
Electrons (SCONE All)

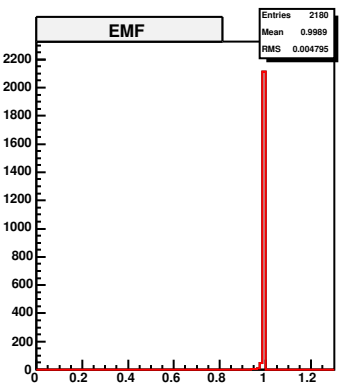


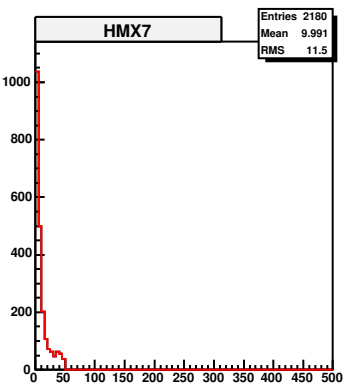


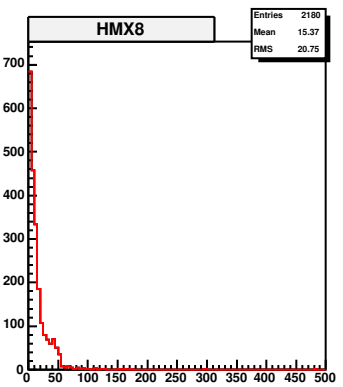


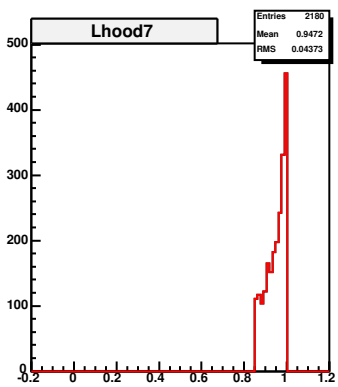


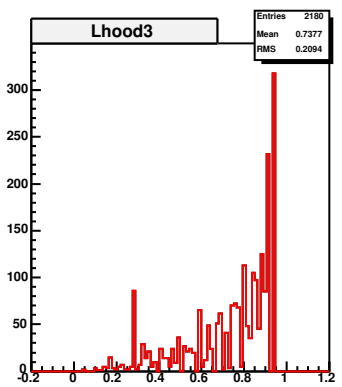


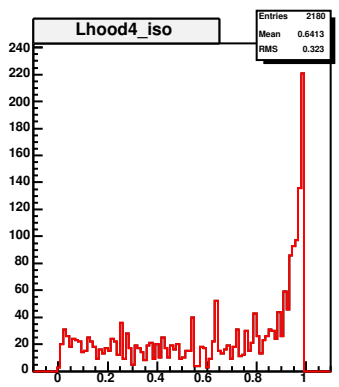


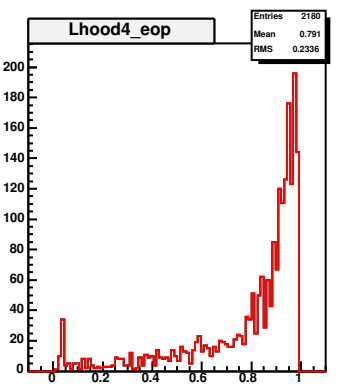


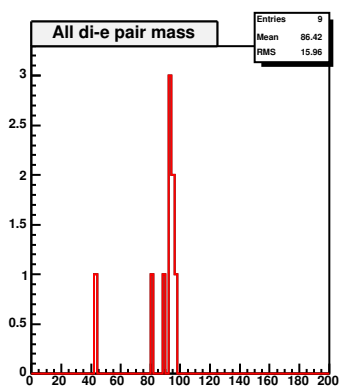


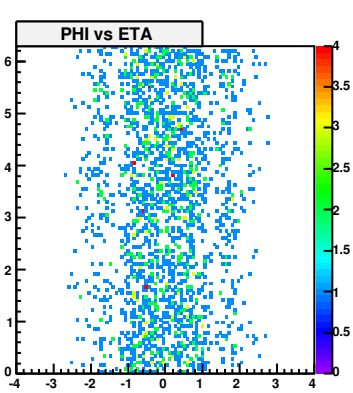


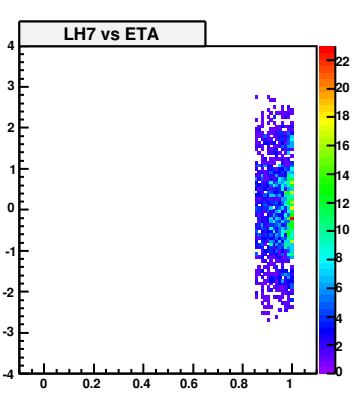


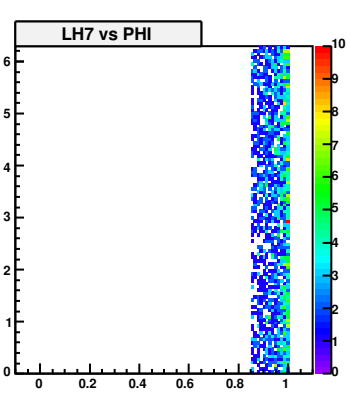




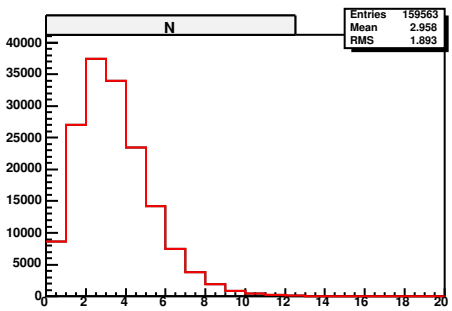


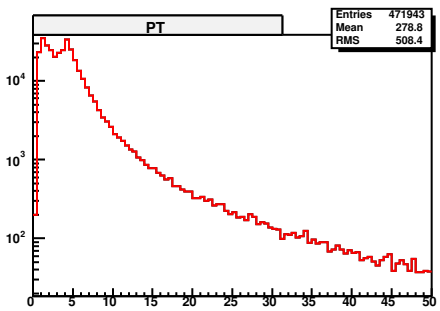


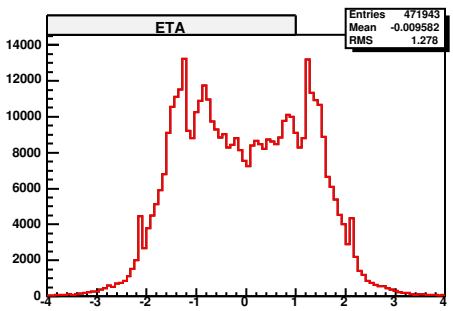


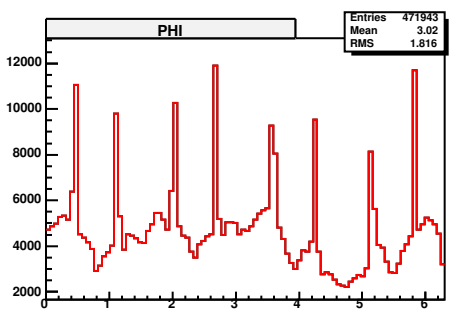


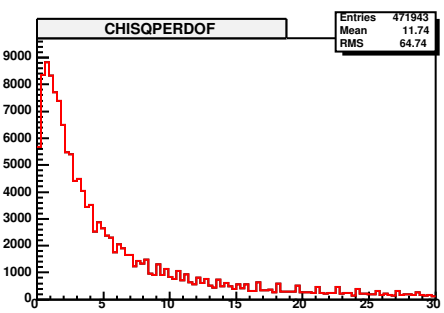
Electrons (SCONE Tight)

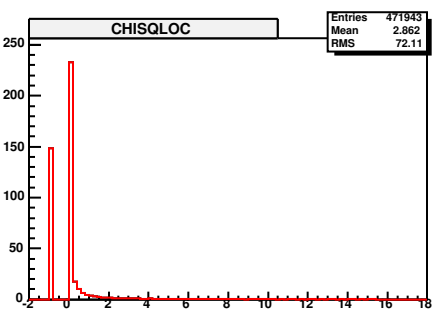

N
Entries 159563
Mean 2.958
RMS 1.893

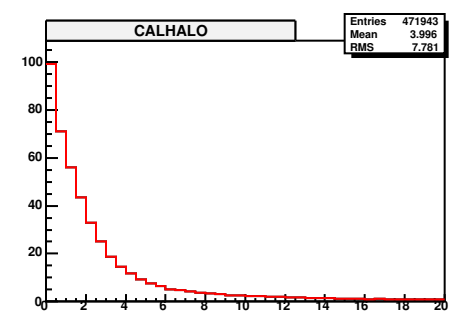

PT
Entries 471943
Mean 278.8
RMS 508.4

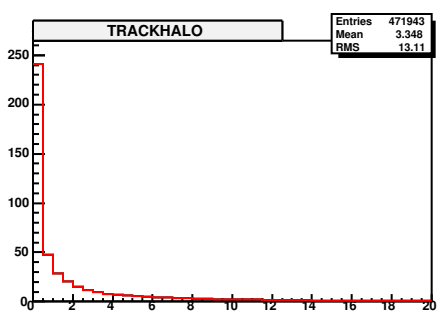

ETA
Entries 471943
Mean -0.009582
RMS 1.278

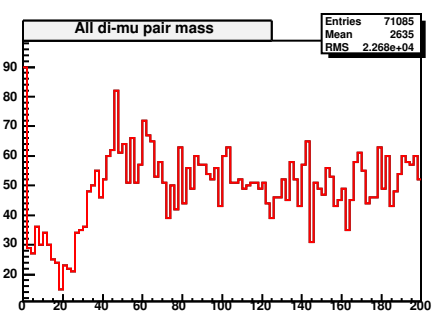

PHI
Entries 471943
Mean 3.02
RMS 1.816

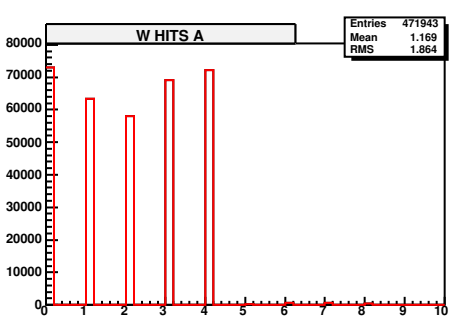

CHISQPERDOF
Entries 471943
Mean 11.74
RMS 64.74

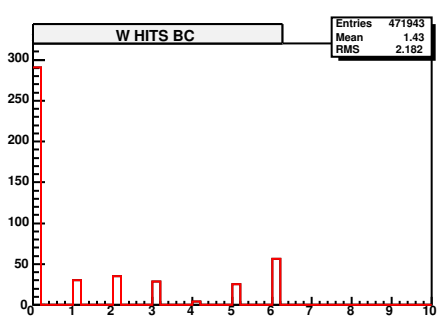

CHISQLOC
Entries 471943
Mean 2.862
RMS 72.11

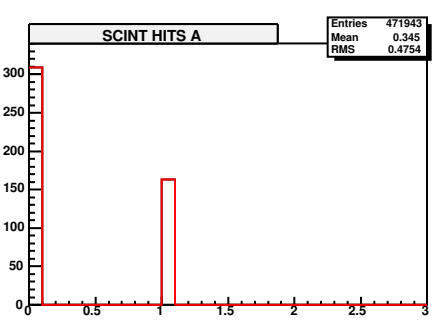

CALHALO
Entries 471943
Mean 3.996
RMS 7.781

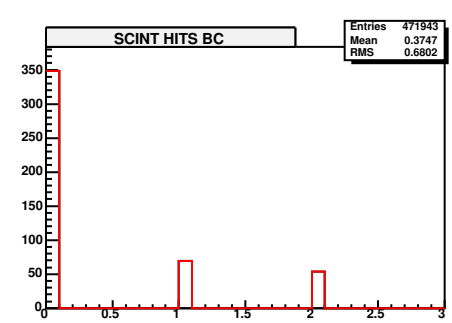

TRACKHALO
Entries 471943
Mean 3.348
RMS 13.11


All di-mu pair mass
Entries 71085
Mean 2635
RMS 2.268e+04

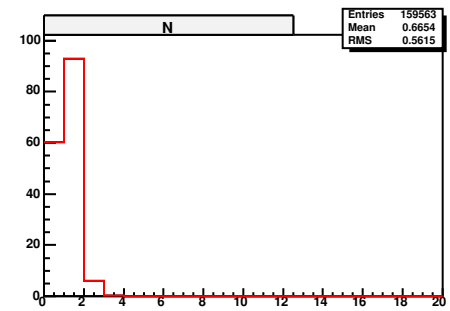

W HITS A
Entries 471943
Mean 1.169
RMS 1.864

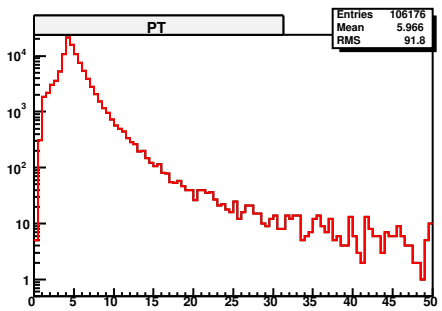

W HITS BC
Entries 471943
Mean 1.43
RMS 2.182

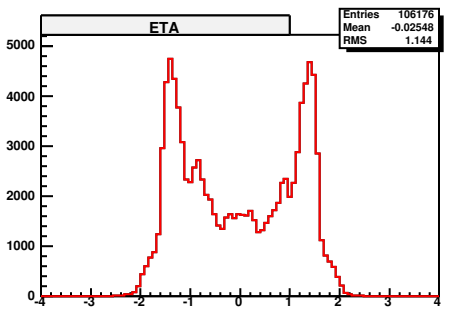

SCINT HITS A
Entries 471943
Mean 0.345
RMS 0.4754

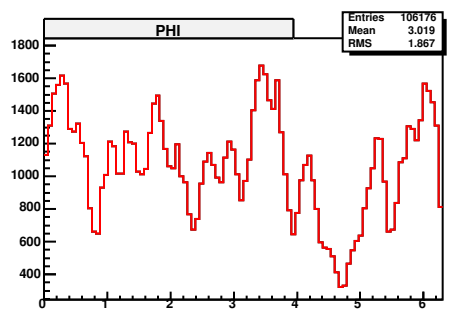

SCINT HITS BC
Entries 471943
Mean 0.3747
RMS 0.6802

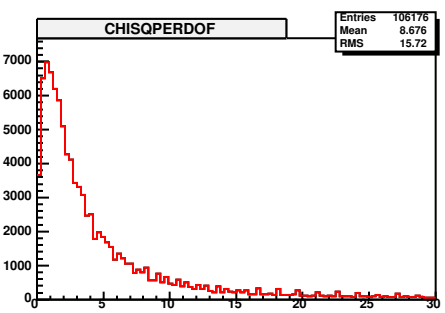
Muons (All)

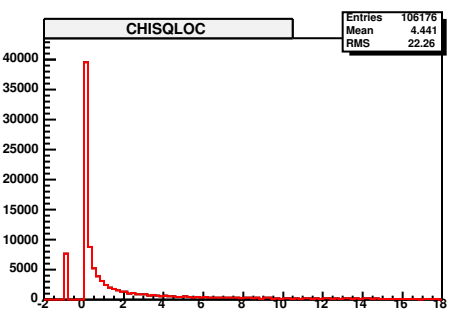


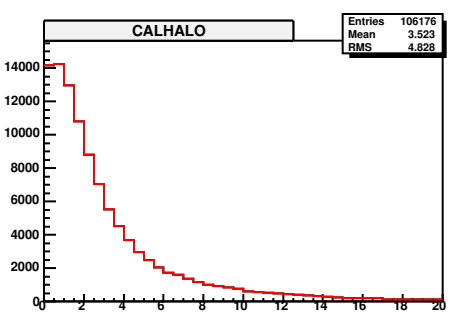


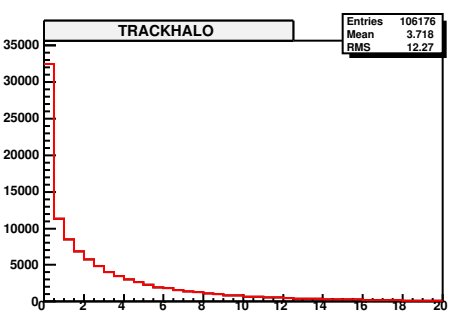


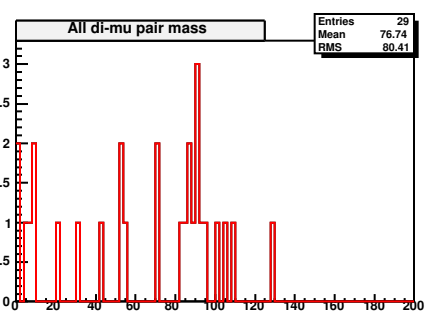


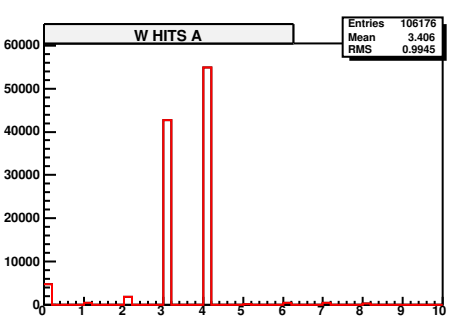


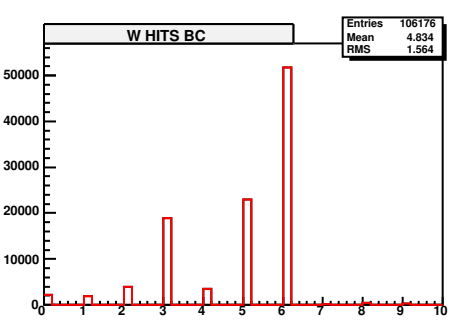


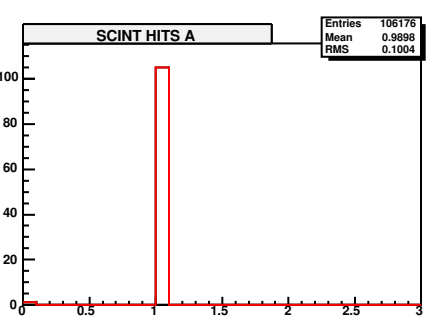


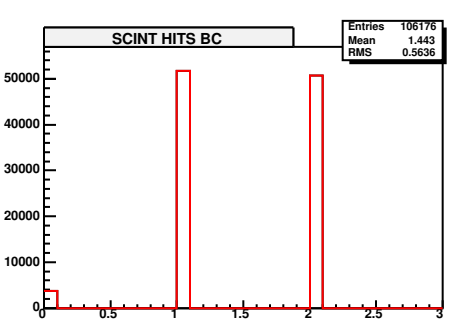




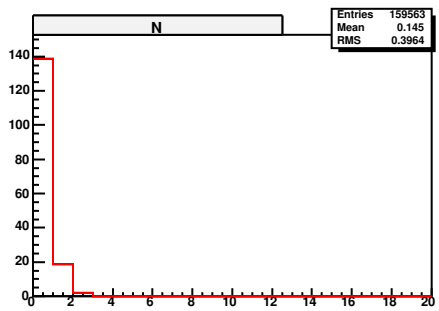


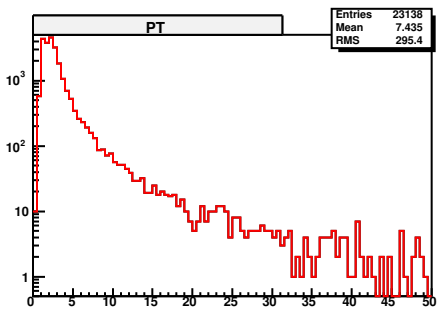


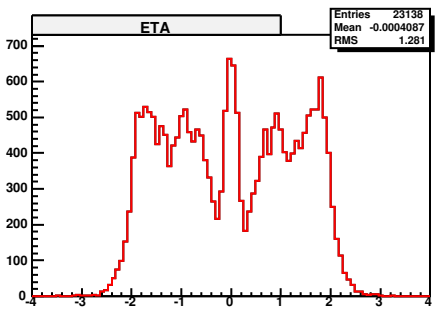


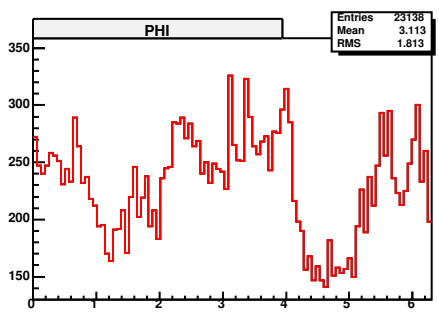


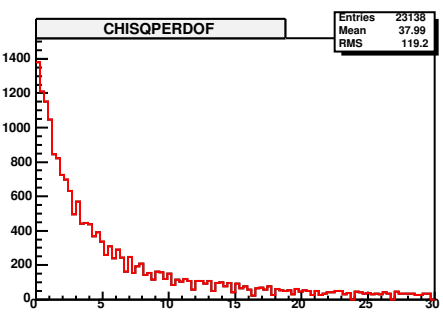
Muons (Matched)

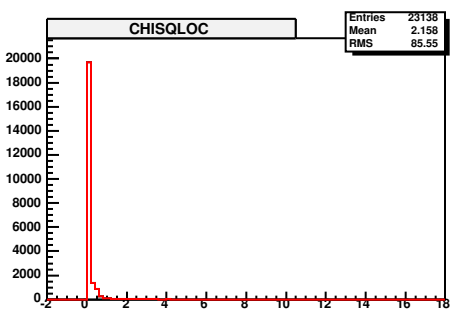

N
Entries 159563
Mean 0.145
RMS 0.3964

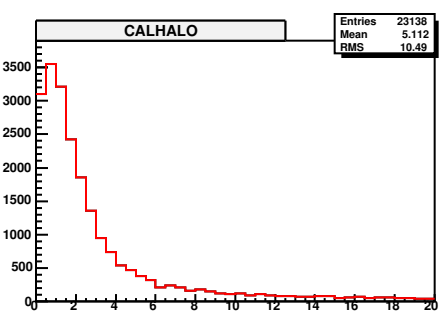

PT
Entries 23138
Mean 7.435
RMS 295.4

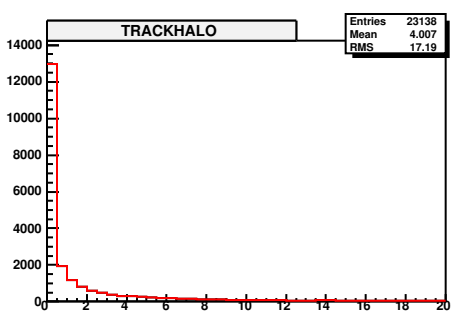

ETA
Entries 23138
Mean -0.0004087
RMS 1.281

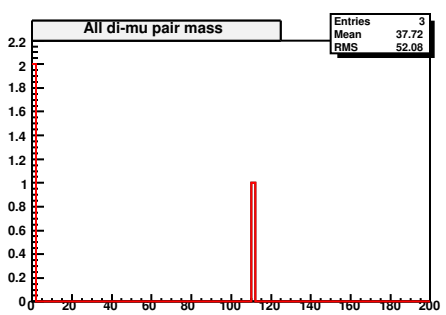

PHI
Entries 23138
Mean 3.113
RMS 1.813

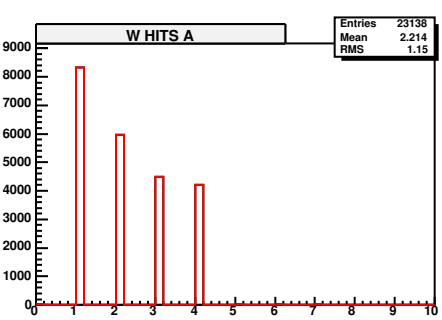

CHISQPERDOF
Entries 23138
Mean 37.99
RMS 119.2

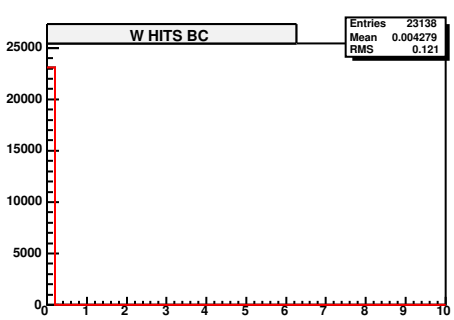

CHISQLOC
Entries 23138
Mean 2.158
RMS 85.55

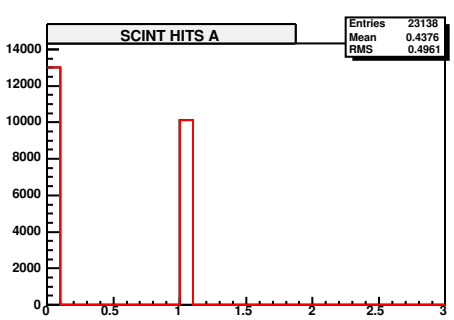

CALHALO
Entries 23138
Mean 5.112
RMS 10.49

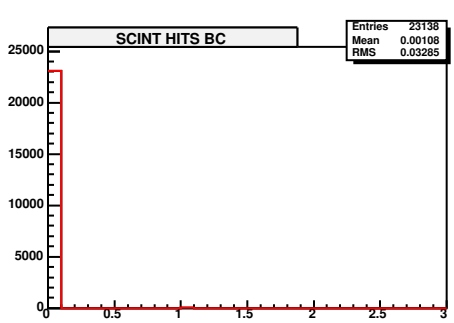

TRACKHALO
Entries 23138
Mean 4.007
RMS 17.19


All di-mu pair mass
Entries 3
Mean 37.72
RMS 52.08

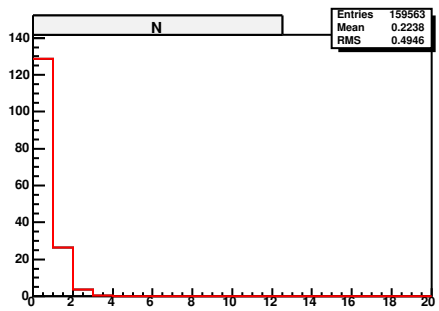

W HITS A
Entries 23138
Mean 2.214
RMS 1.15

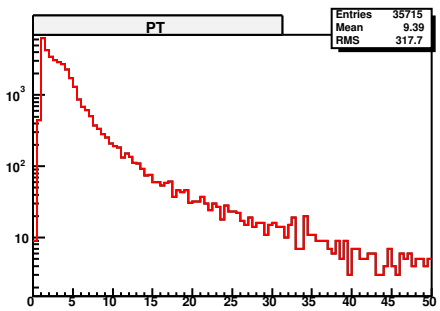

W HITS BC
Entries 23138
Mean 0.004279
RMS 0.121

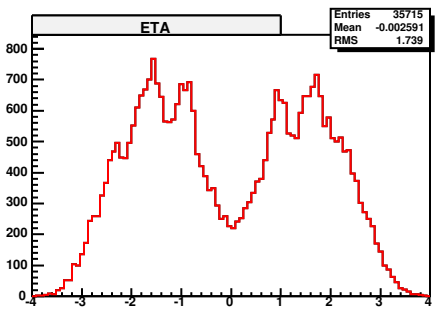

SCINT HITS A
Entries 23138
Mean 0.4376
RMS 0.4961

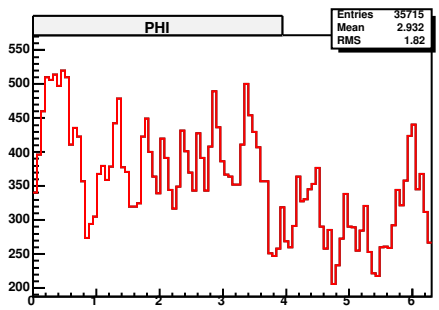

SCINT HITS BC
Entries 23138
Mean 0.00108
RMS 0.03285

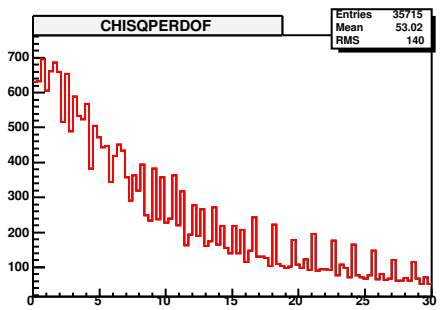
Muons (Astub)

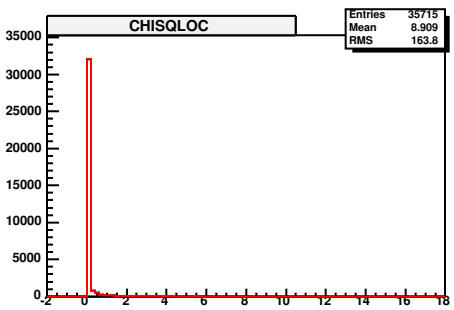


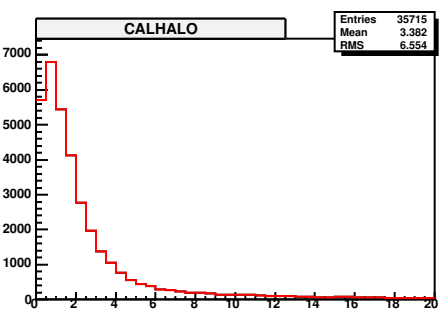


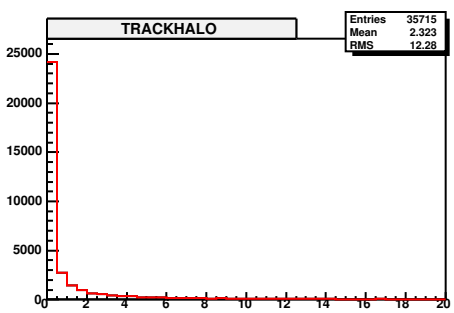


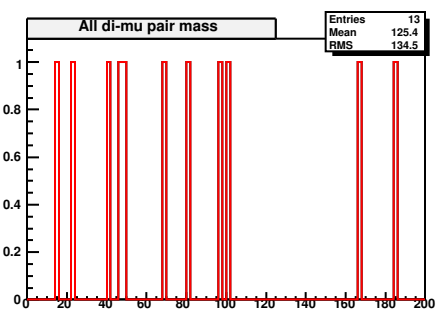


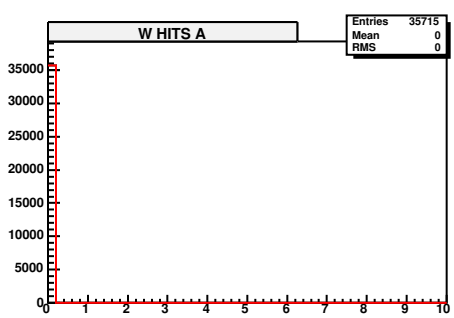


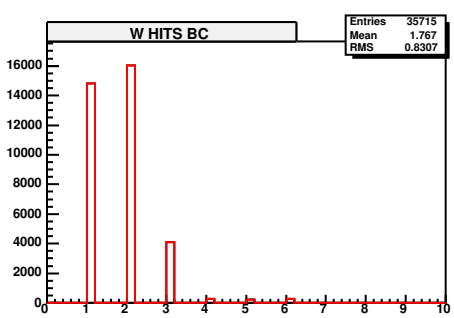


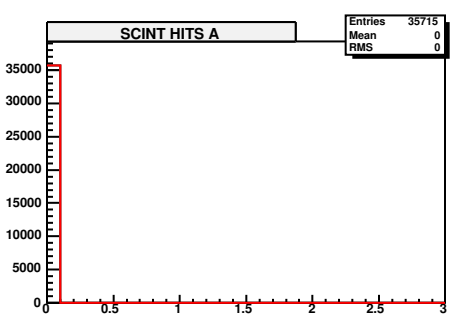


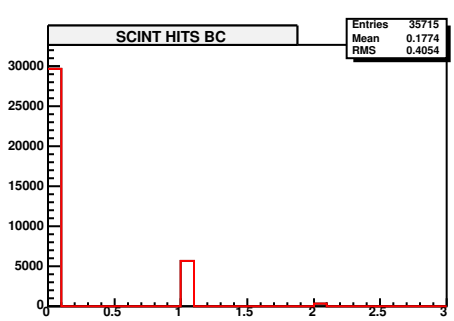




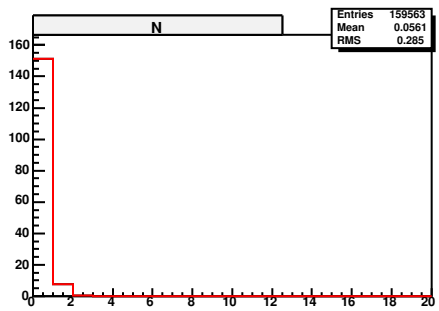


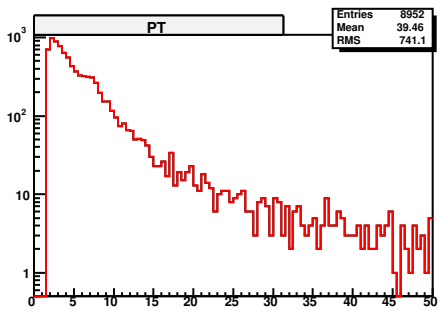


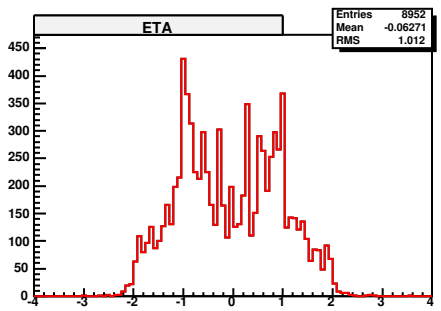


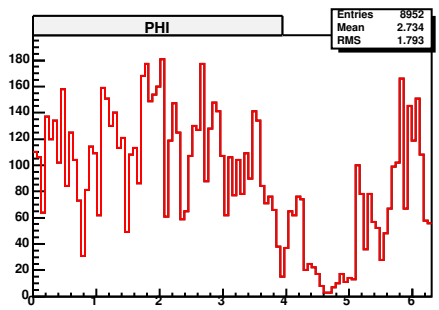


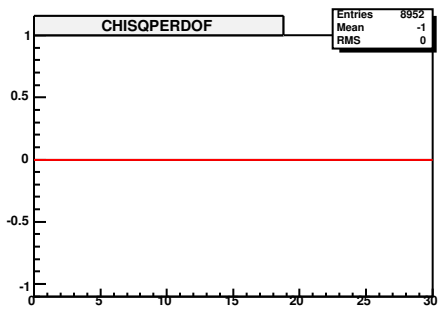
Muons (BCstub)

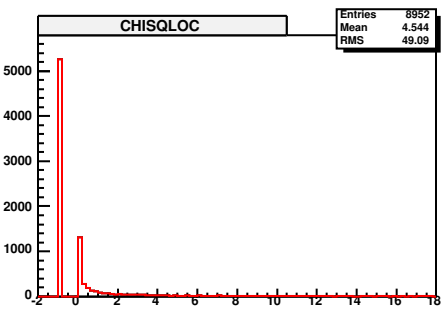


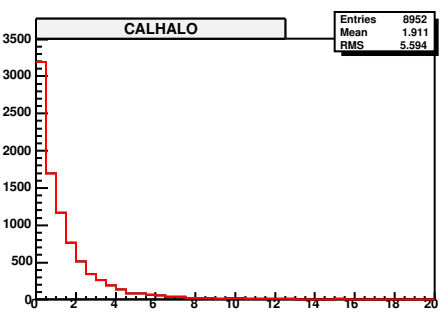


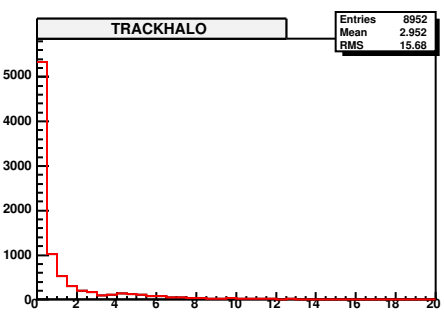


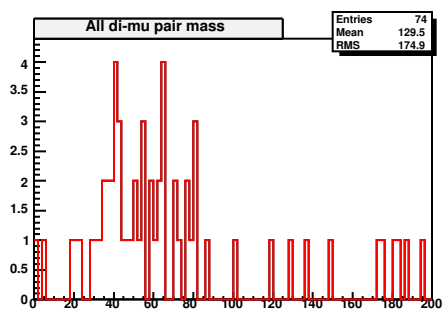


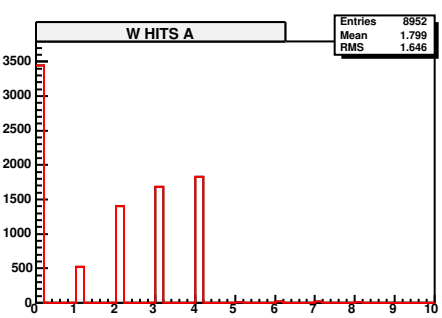


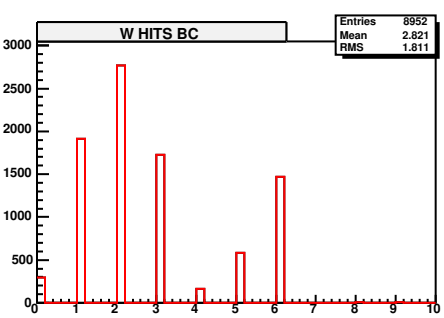


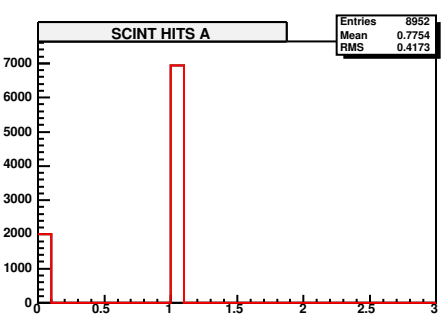


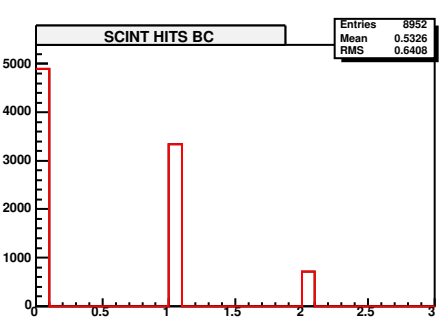




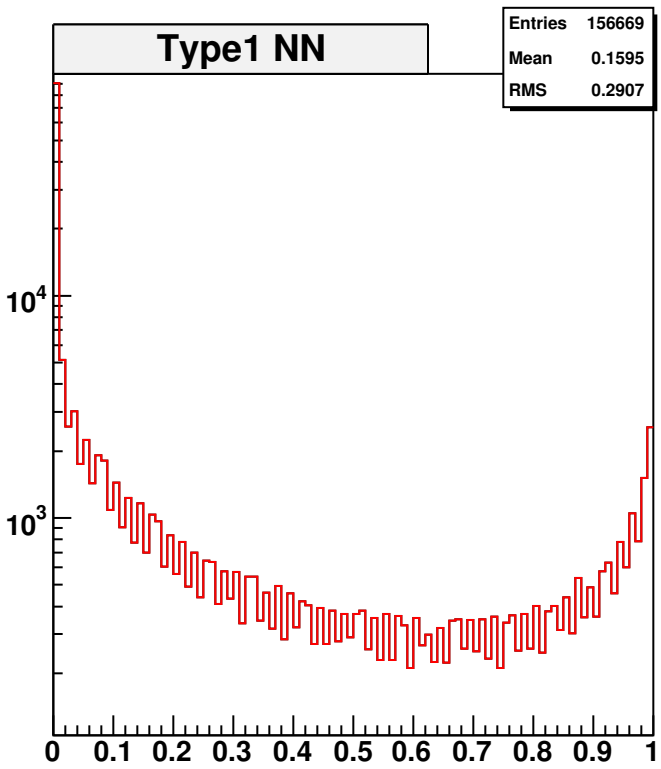


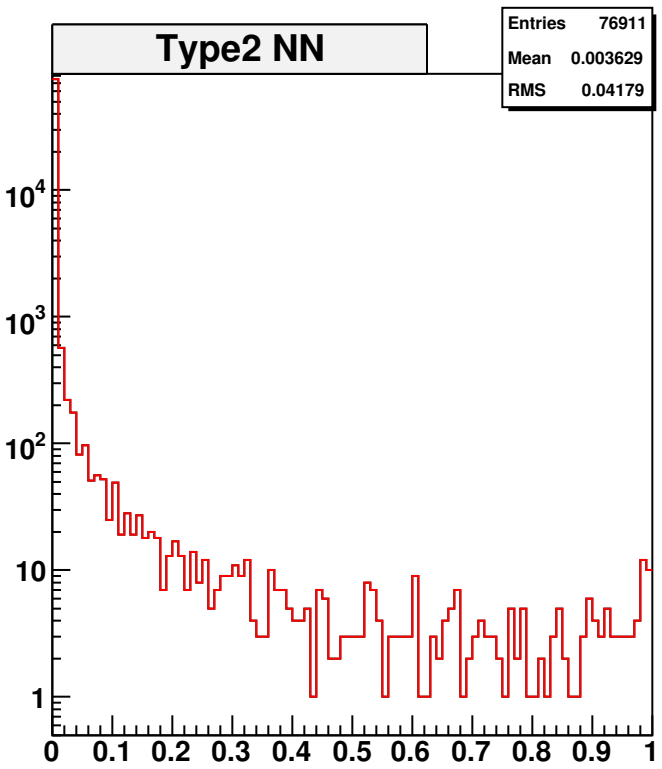


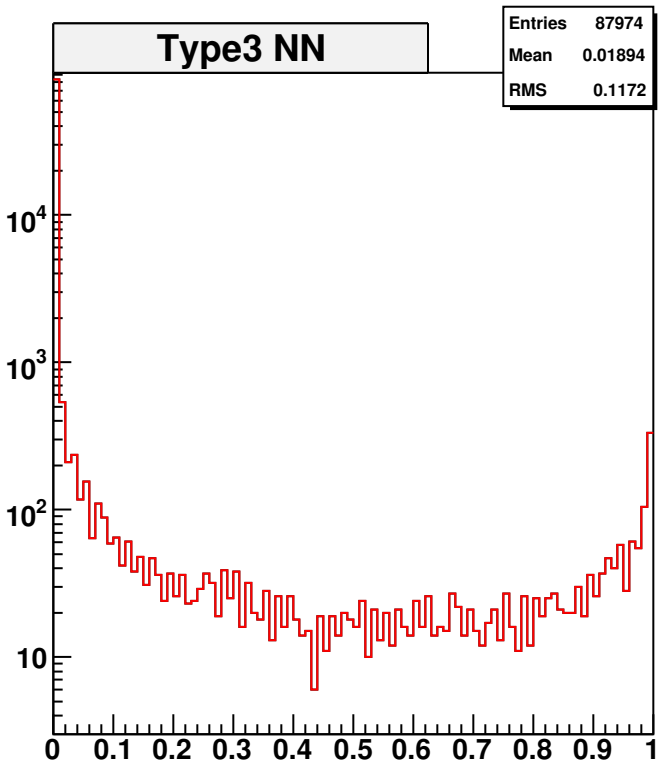


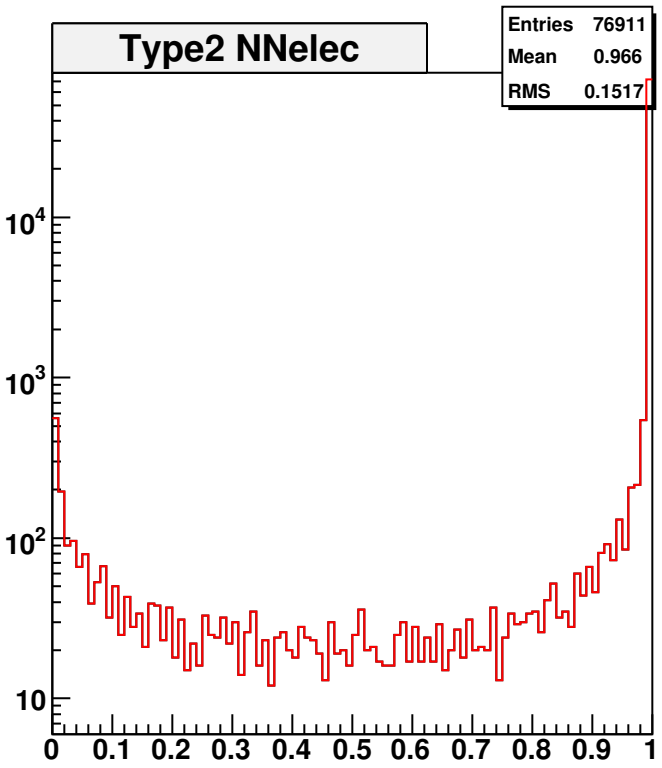


Muons (Unmatched)

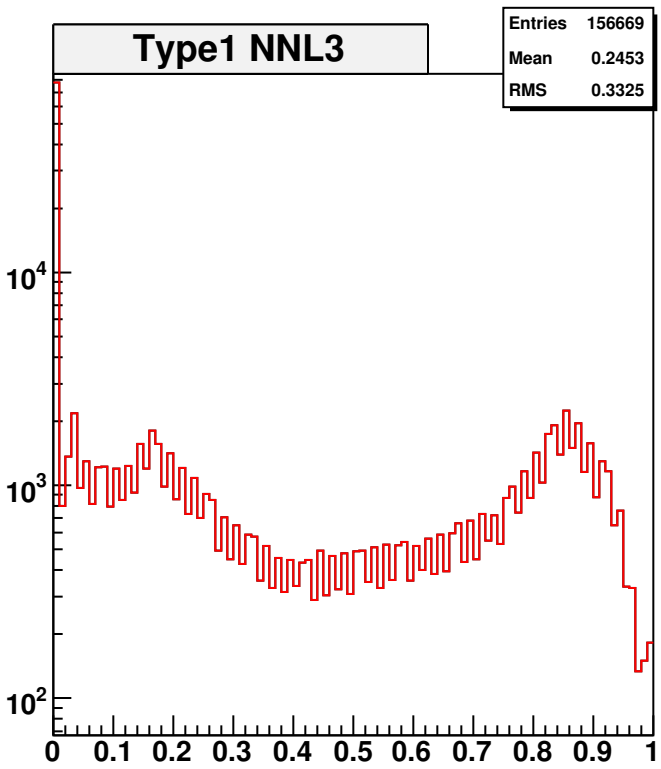


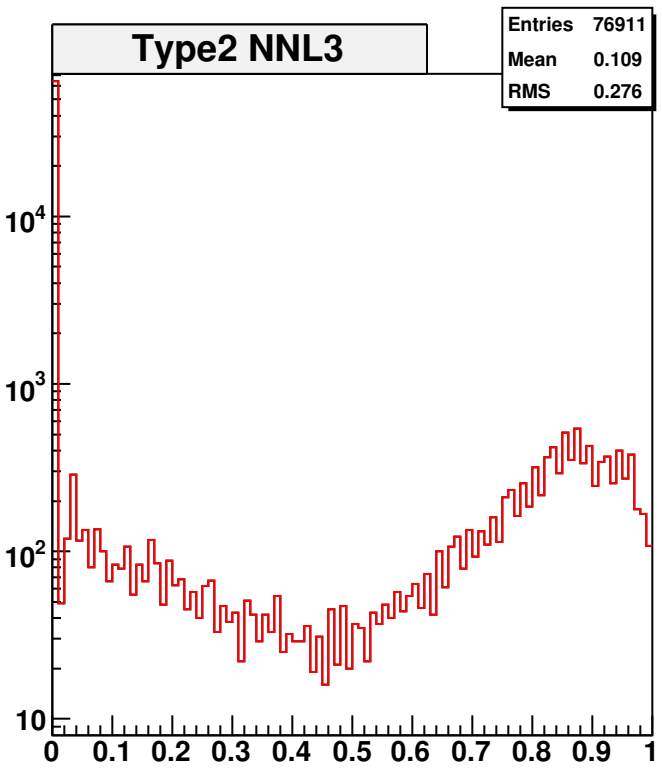


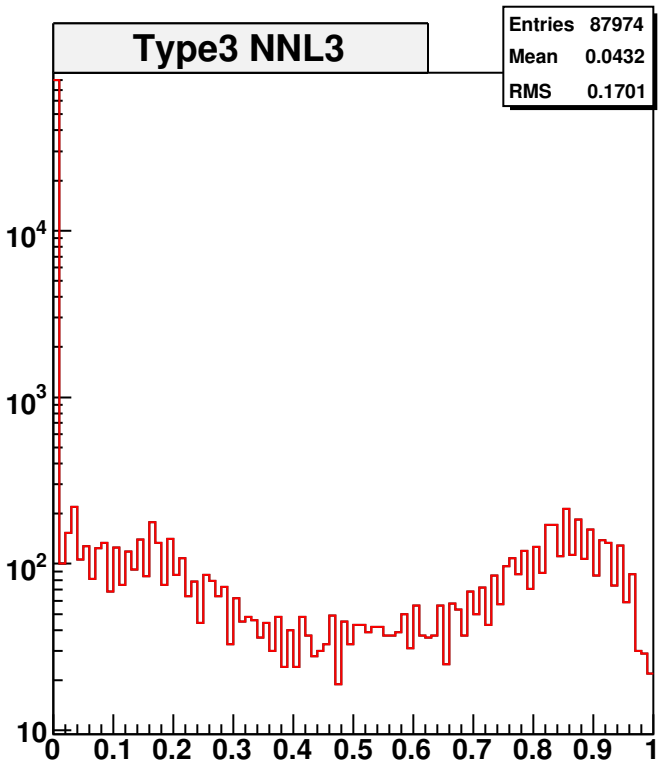


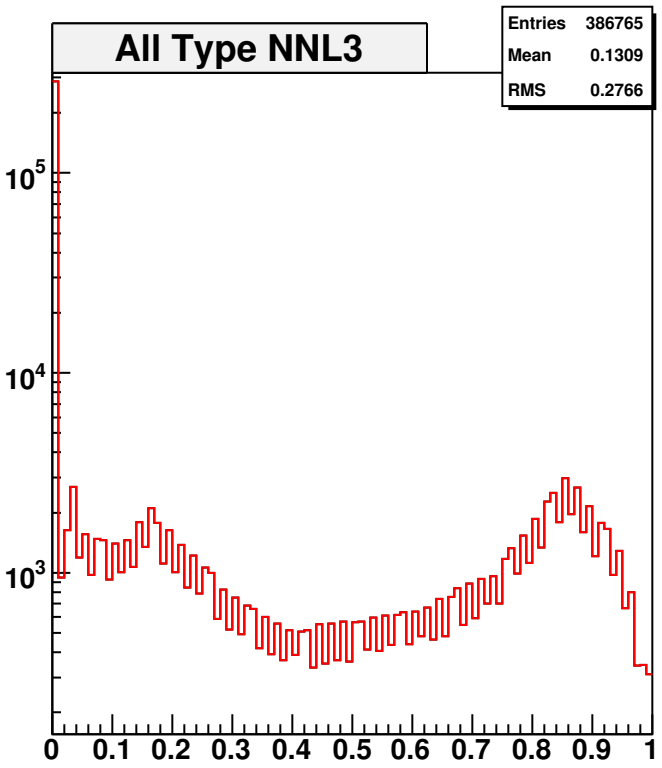


Taus NN (TAU All)

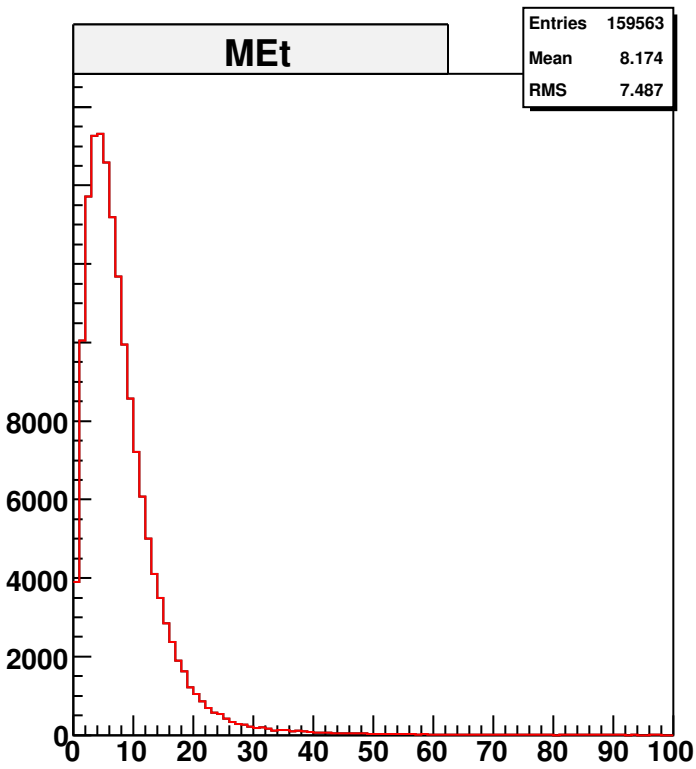


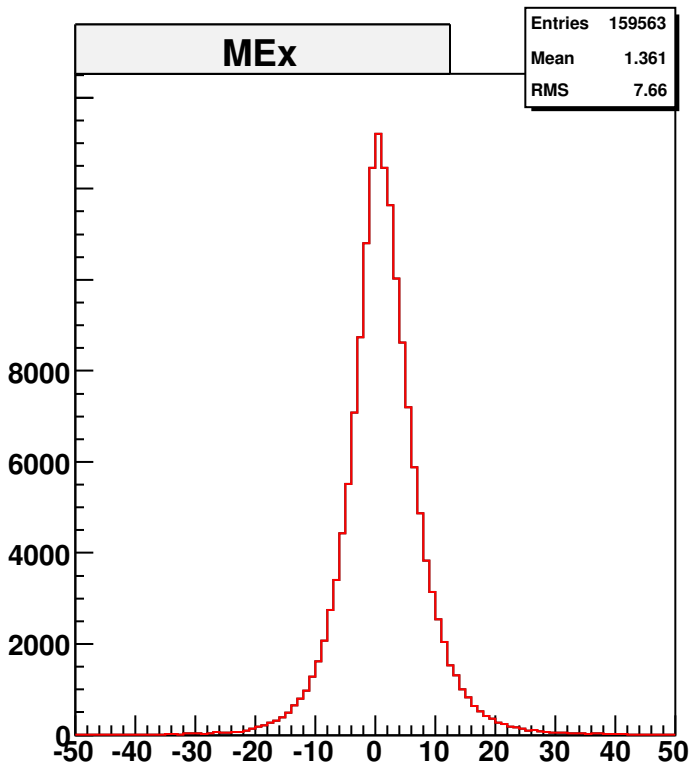






Taus NNL3 (TAU All)


MEt
Entries 159563
Mean 8.174
RMS 7.487
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100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Mean 1.361
RMS 7.66
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6000
4000
2000
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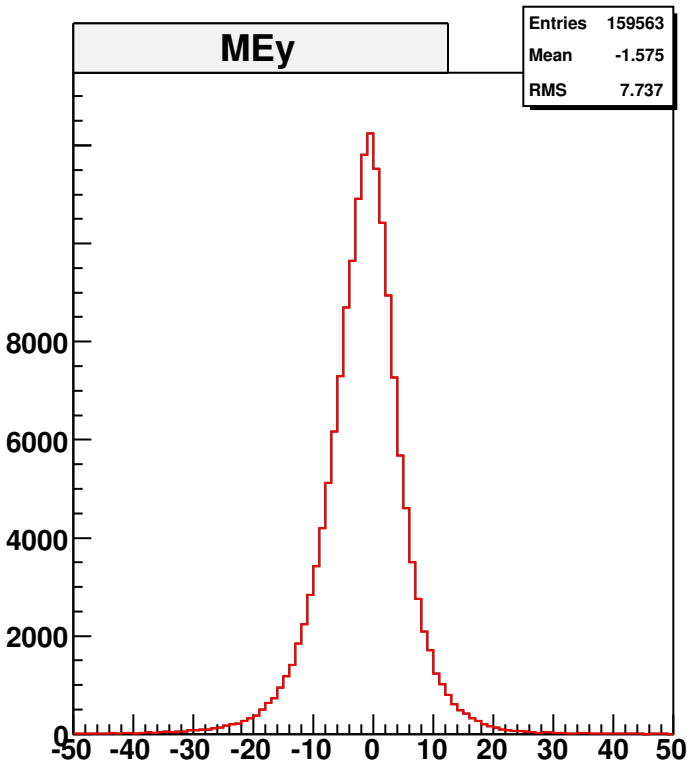
MEy
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RMS 7.737
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4000
2000
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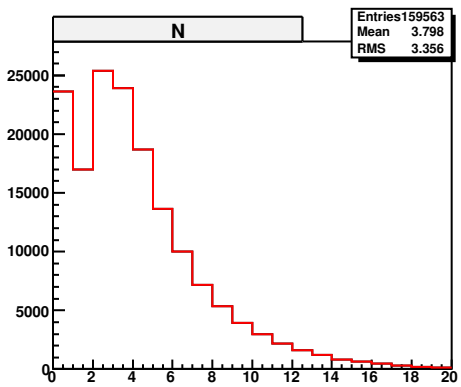
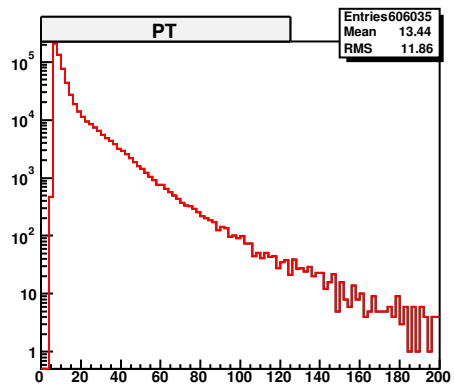
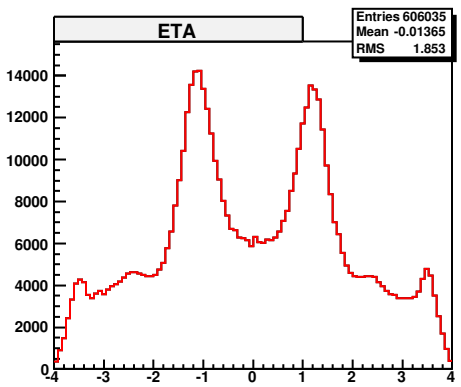
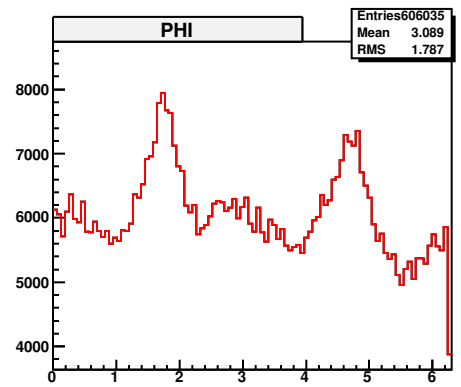
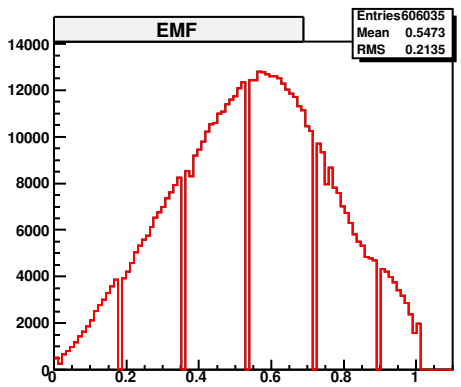
Met (No cuts)

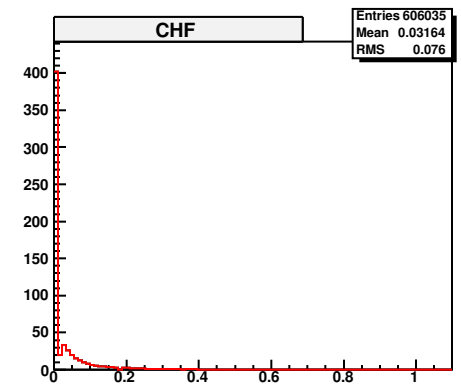


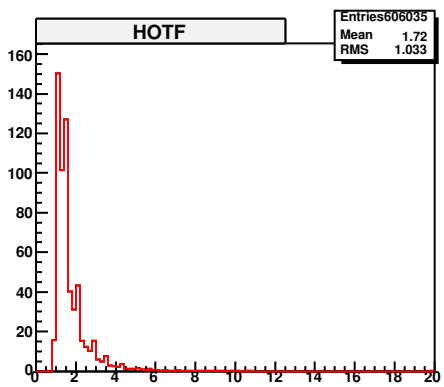


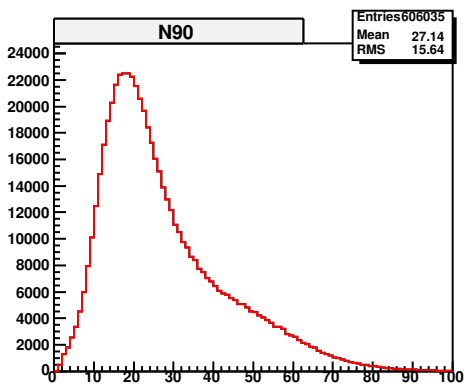


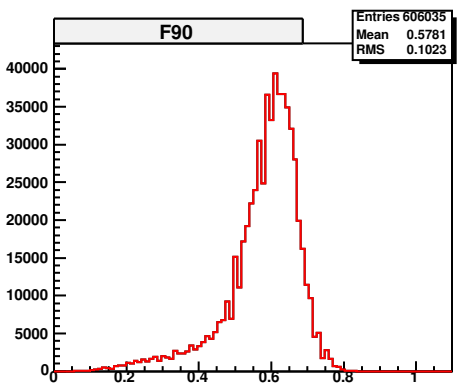


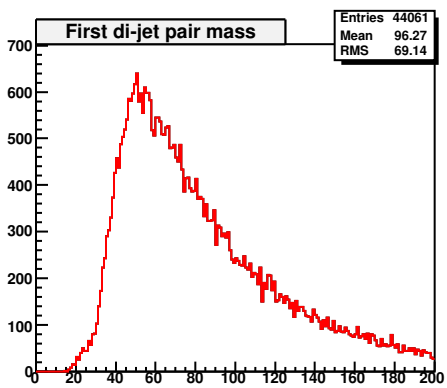


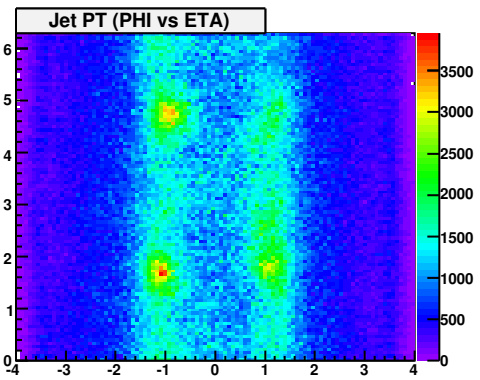




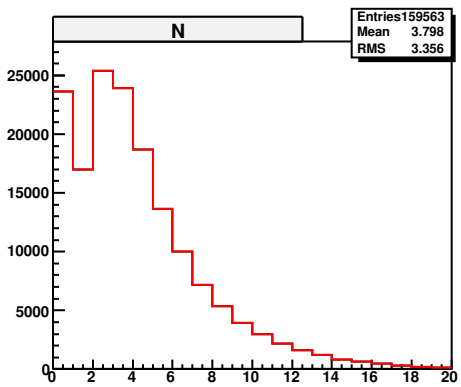


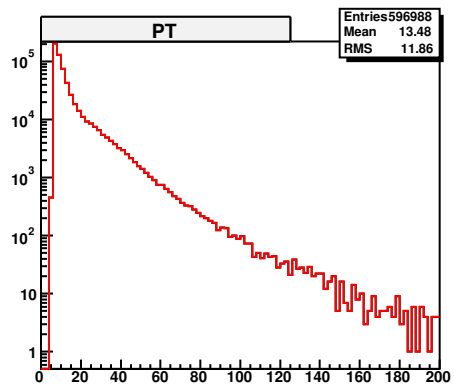


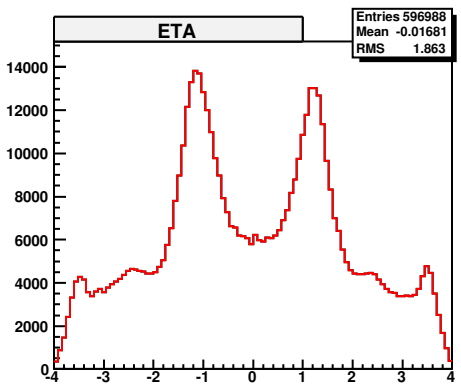


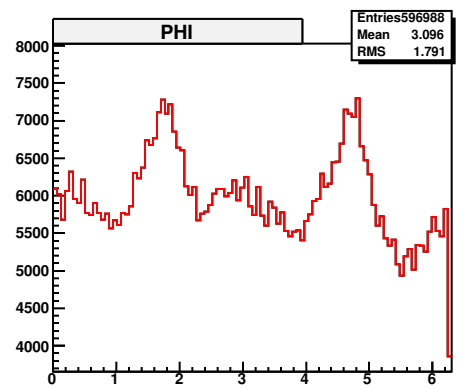


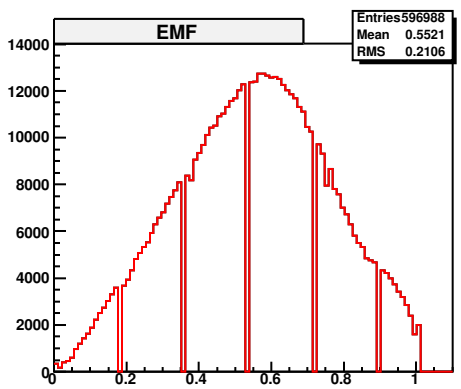
Jets (Cone R 0.7 (no cuts))

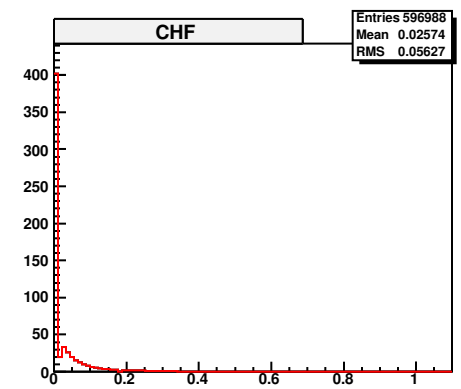


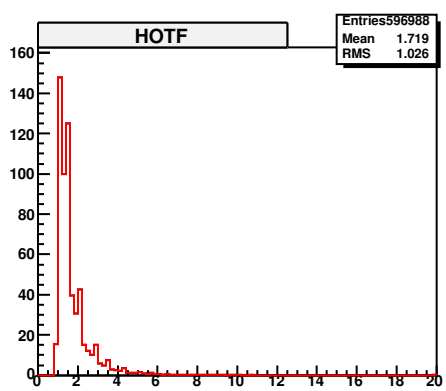


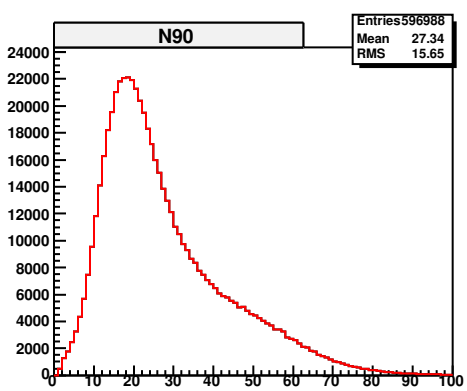


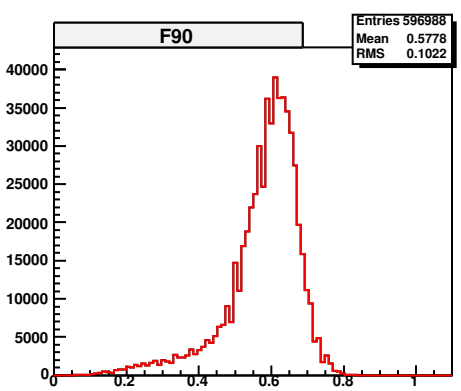


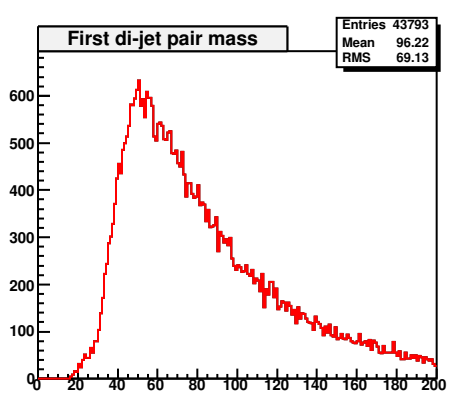


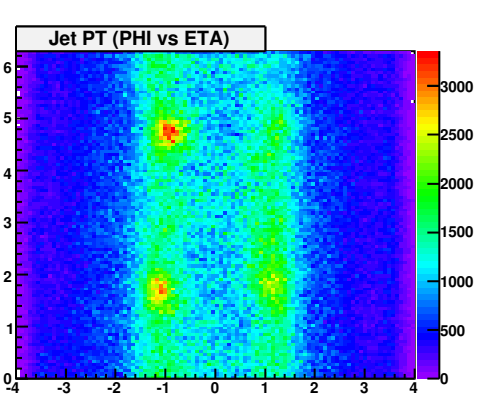




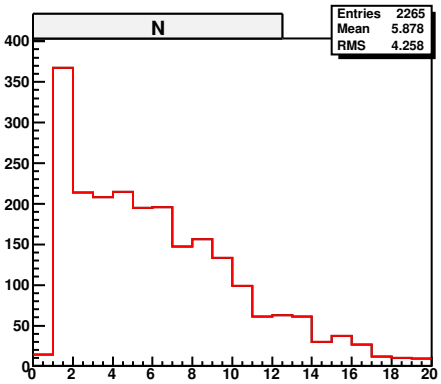


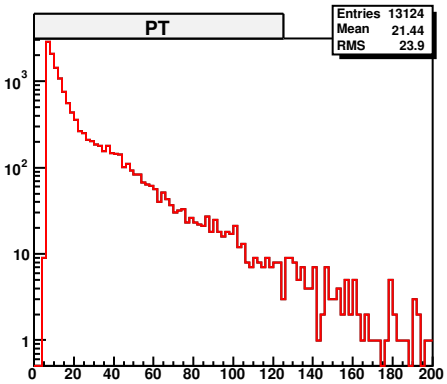


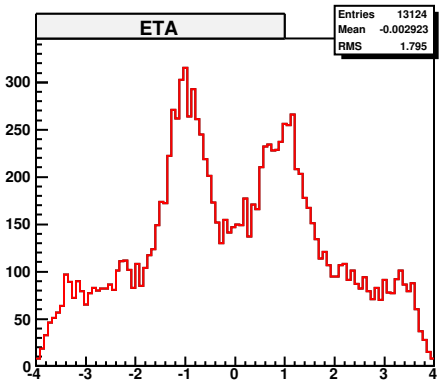


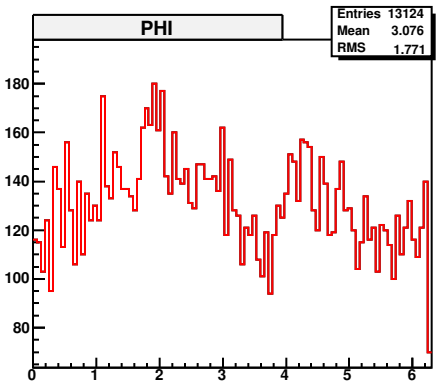


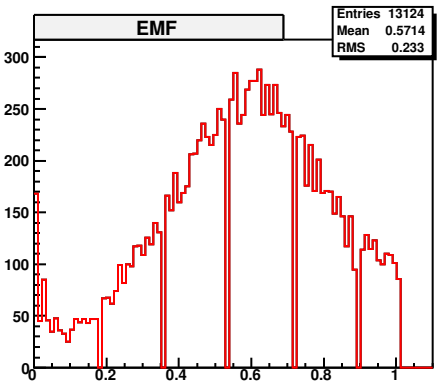
Jets (Cone R 0.7 (standard cuts))

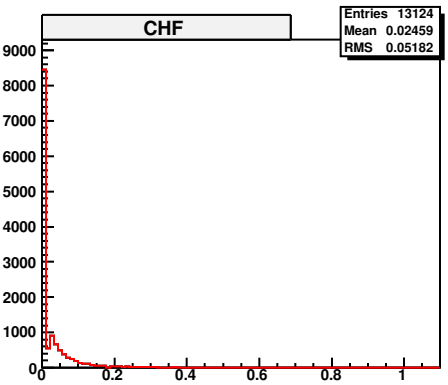


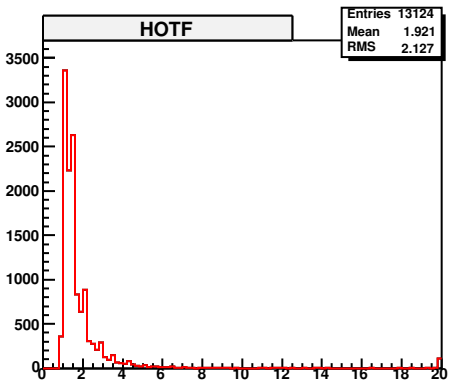


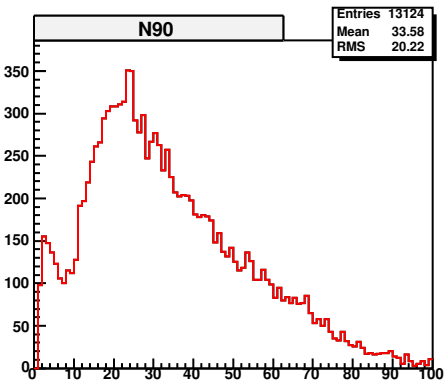


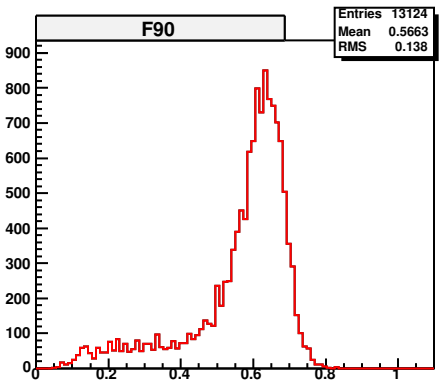


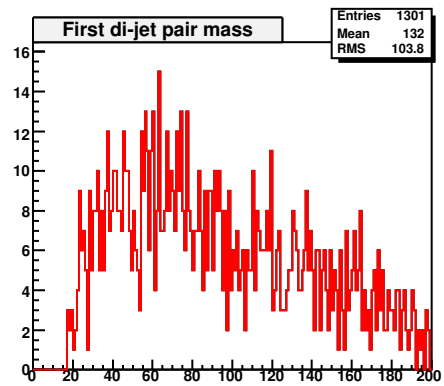


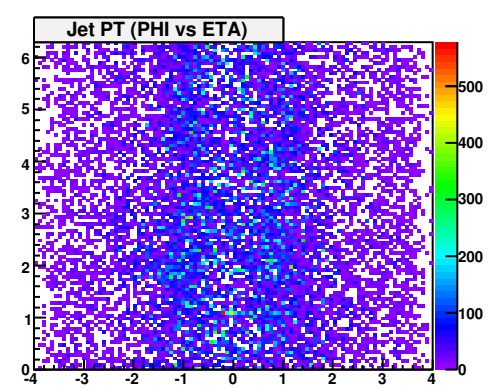




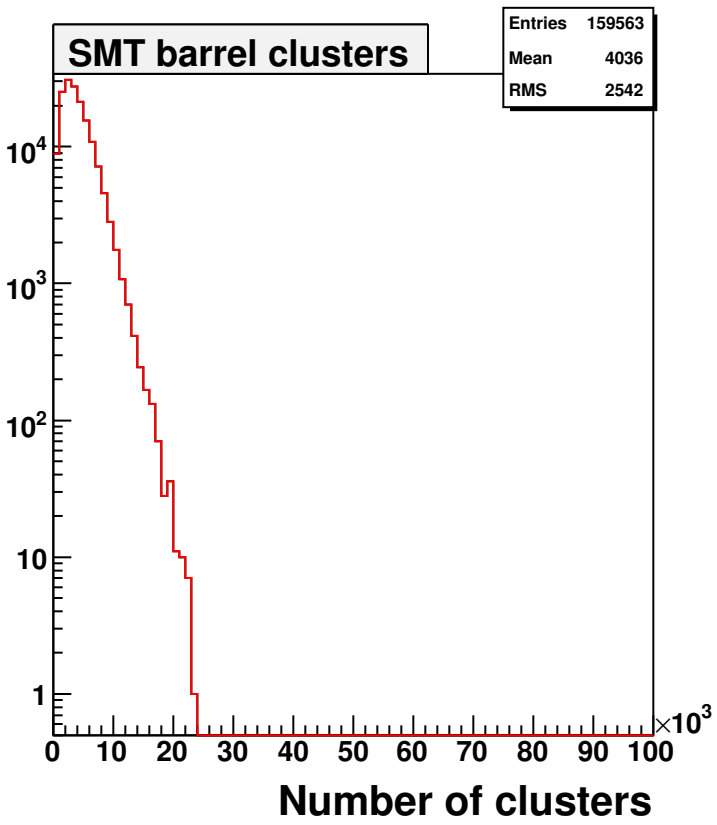


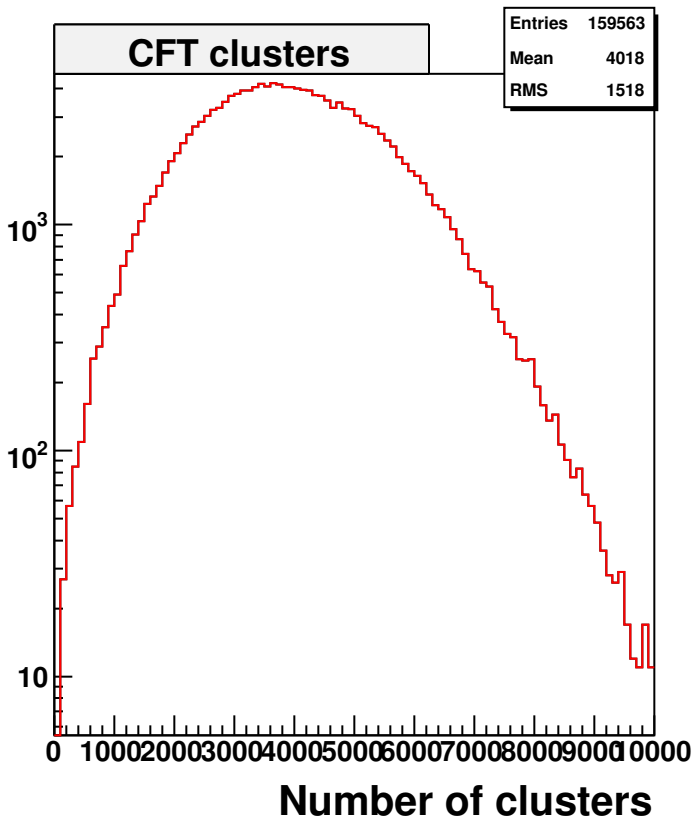


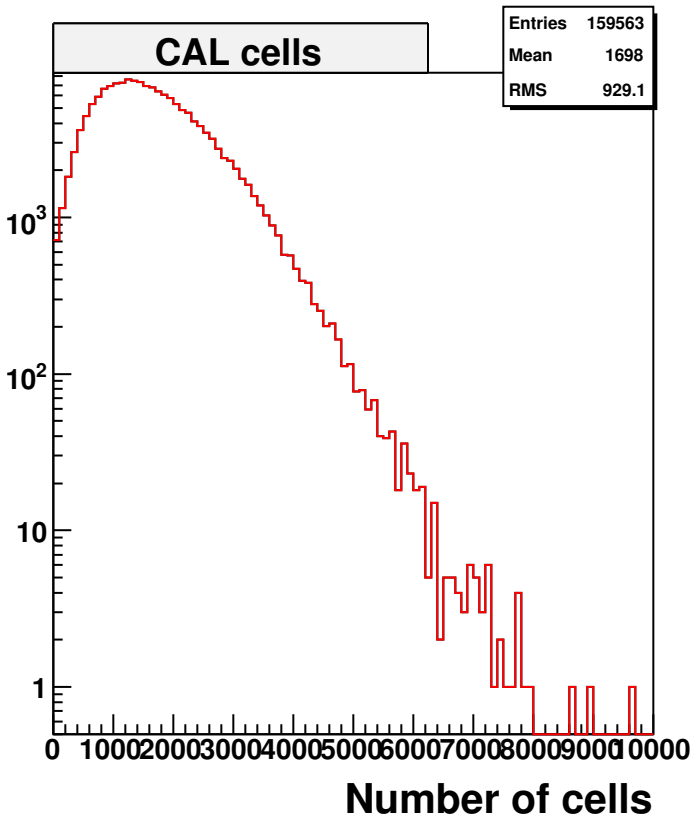


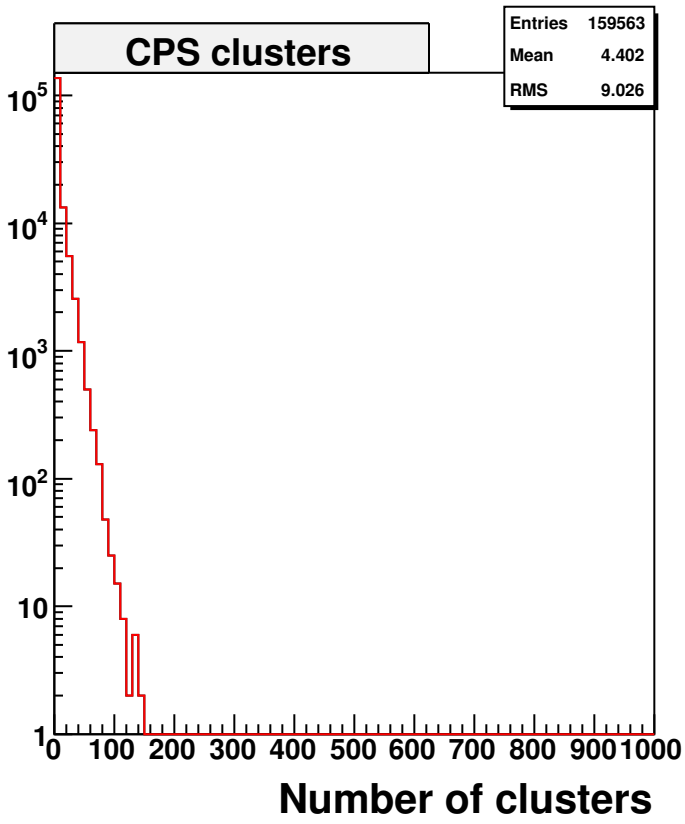


Jets (Cone R 0.7 (standard cuts, MET>30))

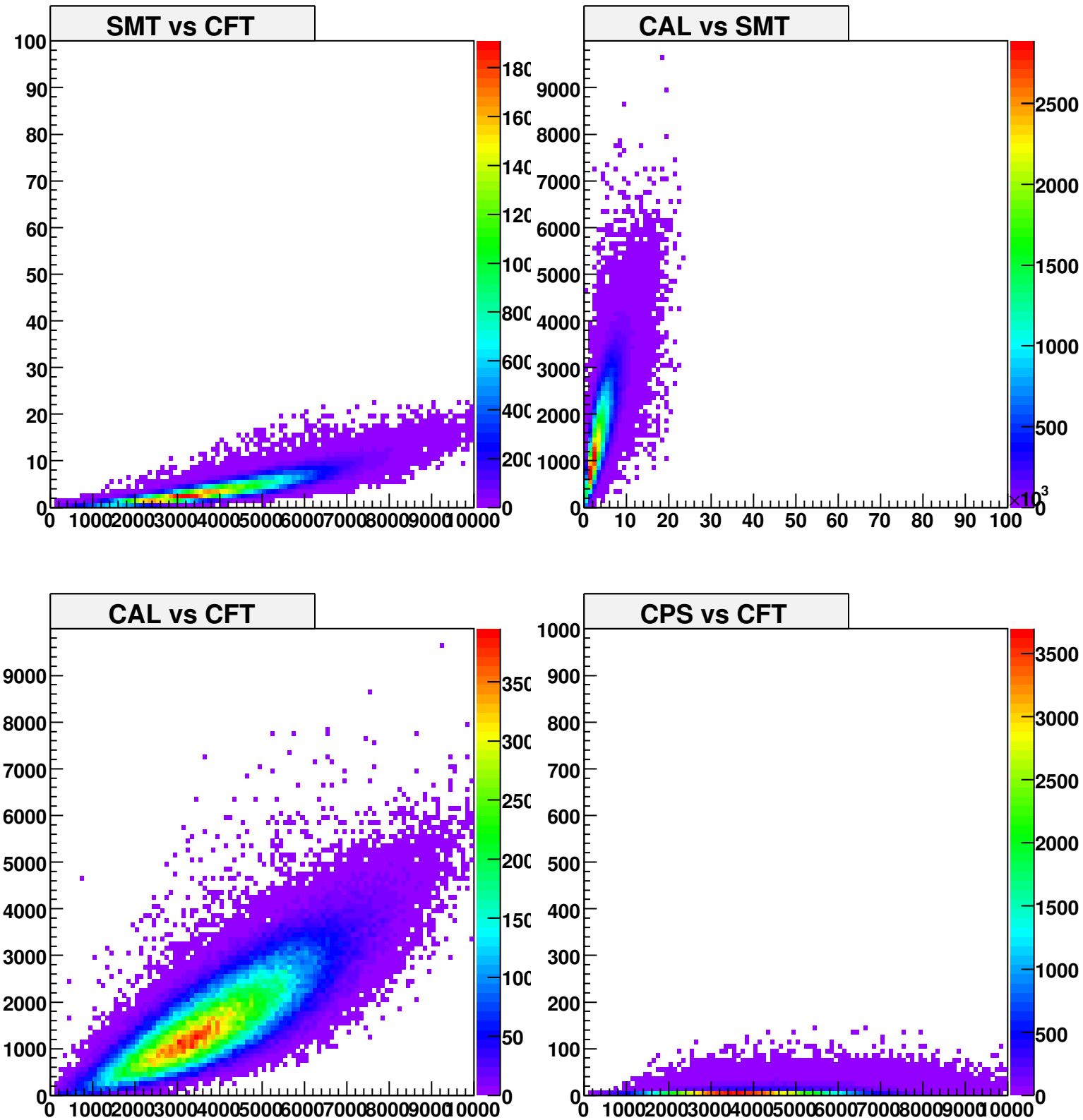


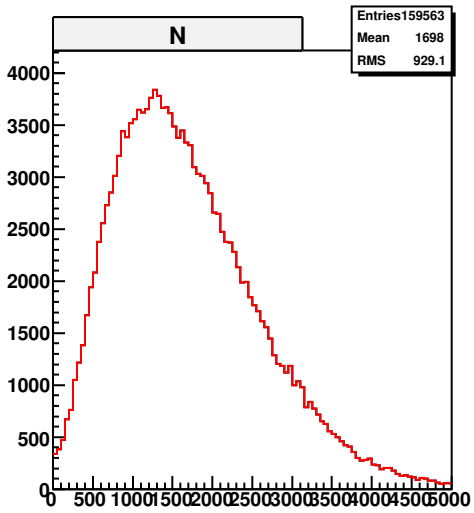


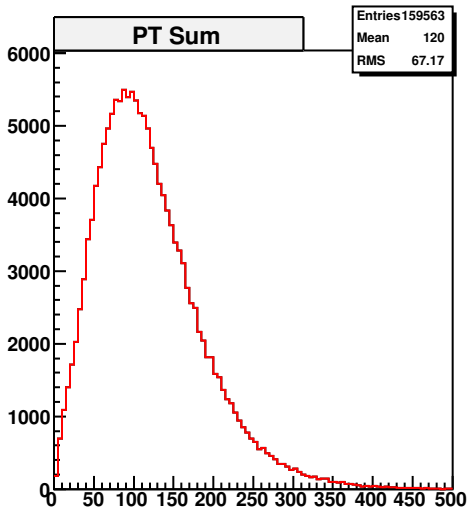


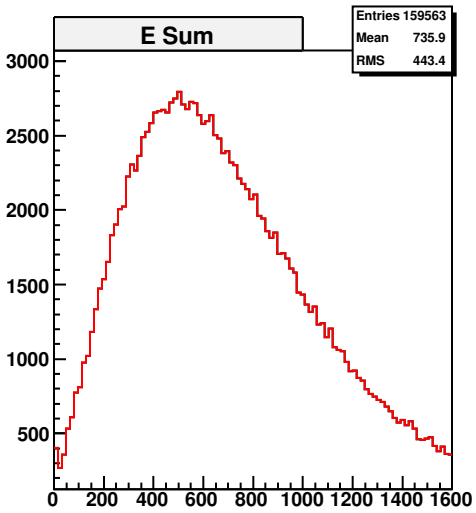


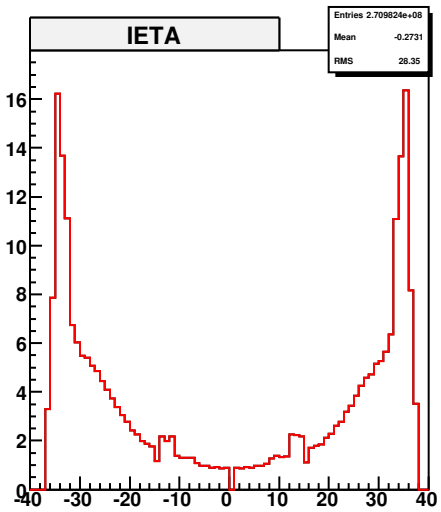
Detector Occupancy (Detector)

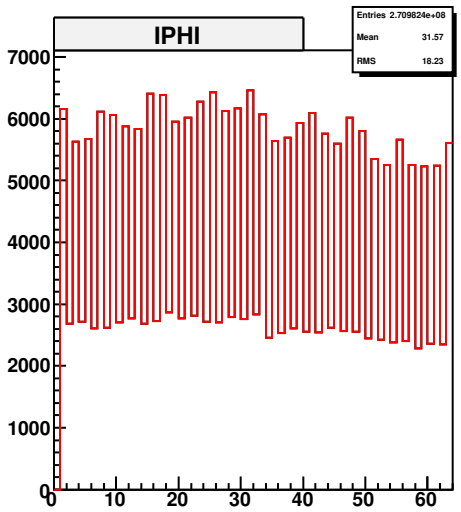

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

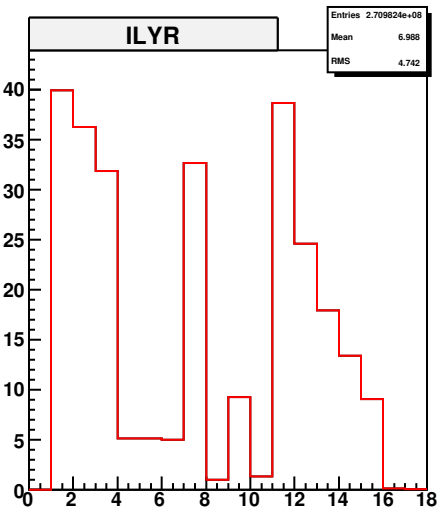


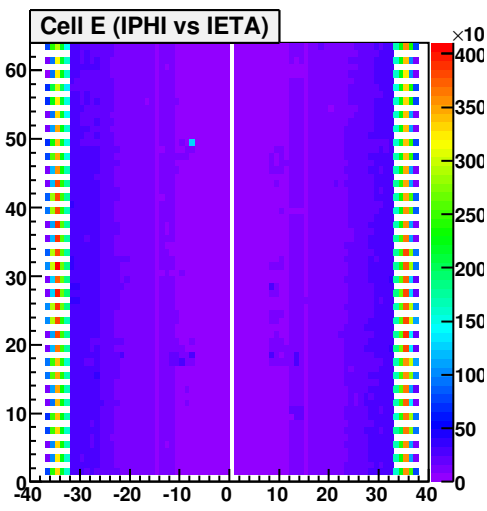


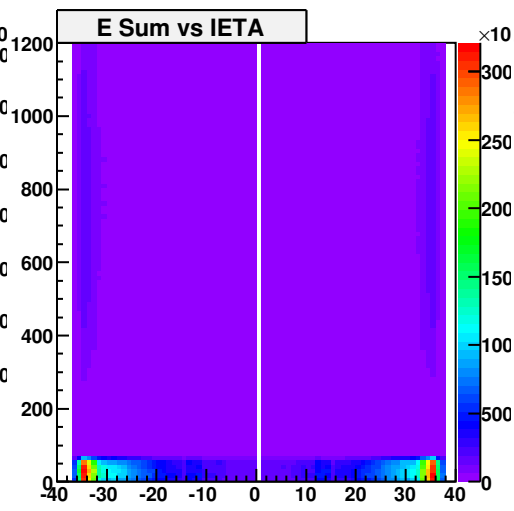


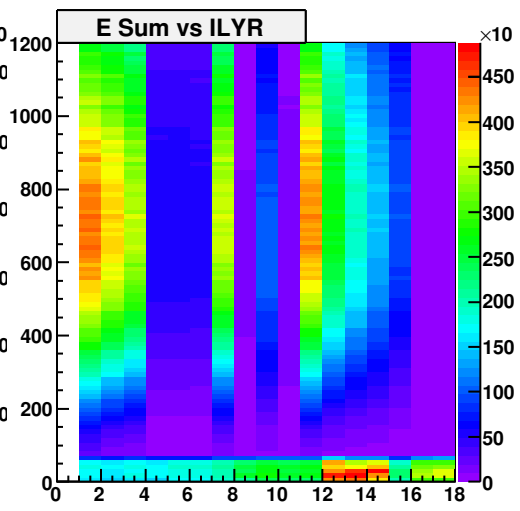




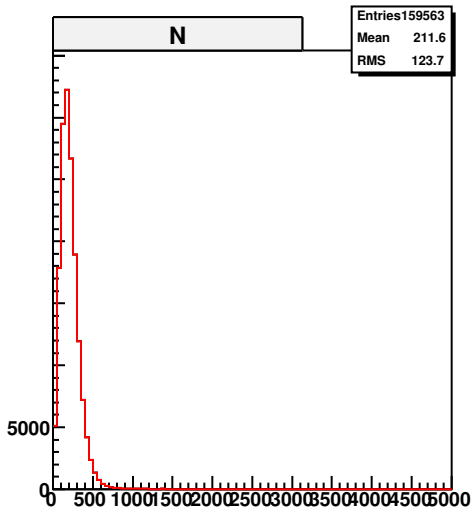


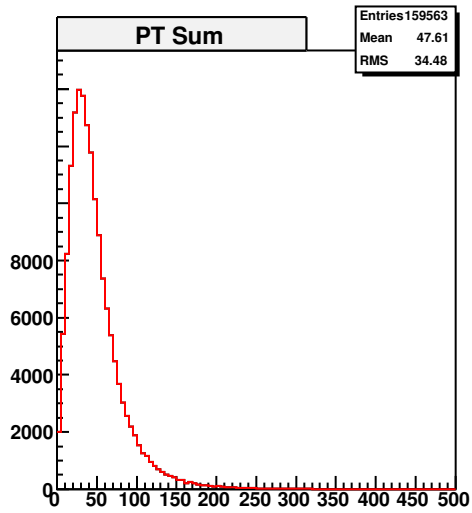


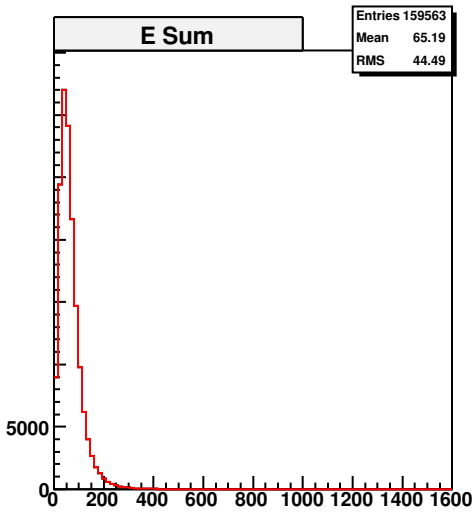


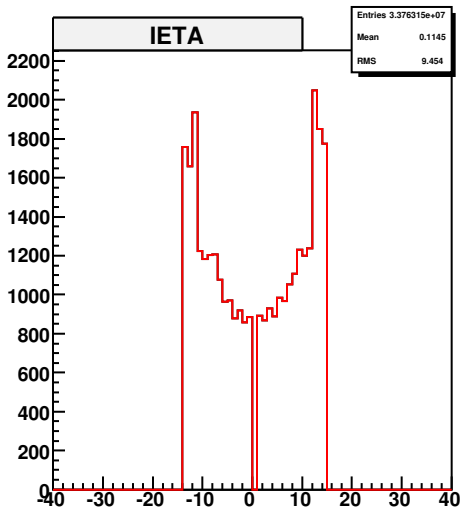


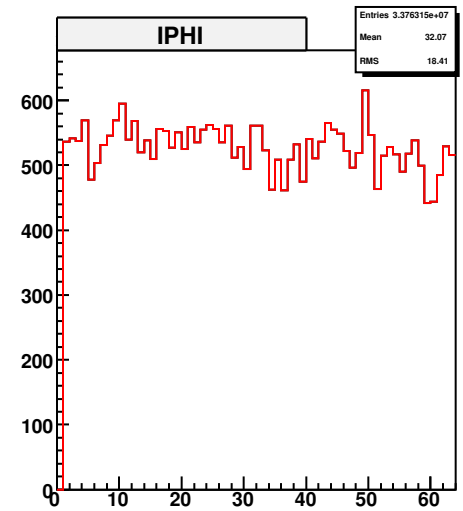
Calorimeter (All cells)

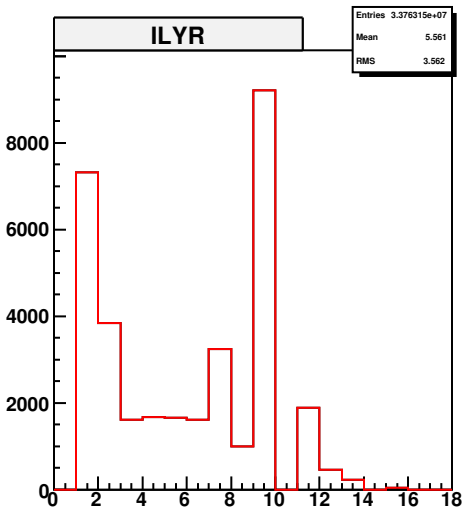


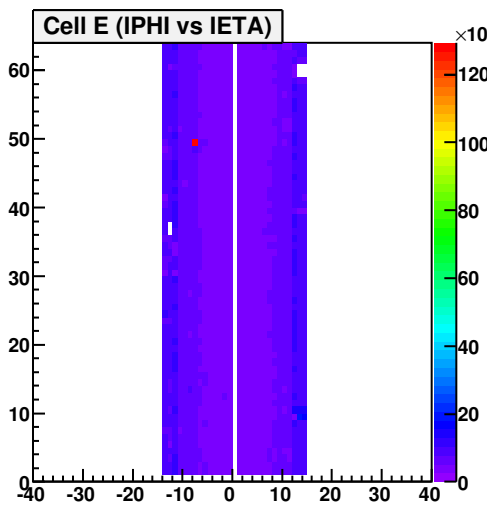


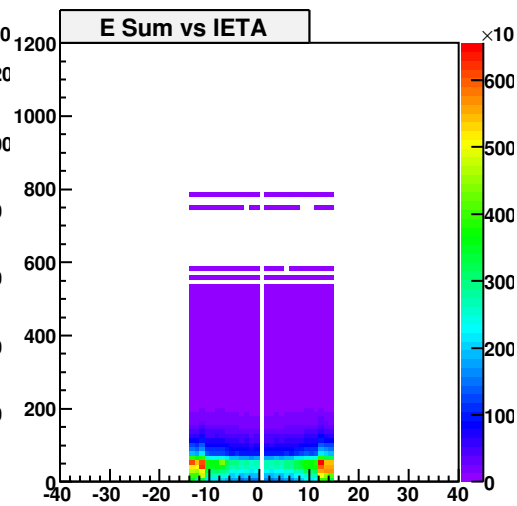


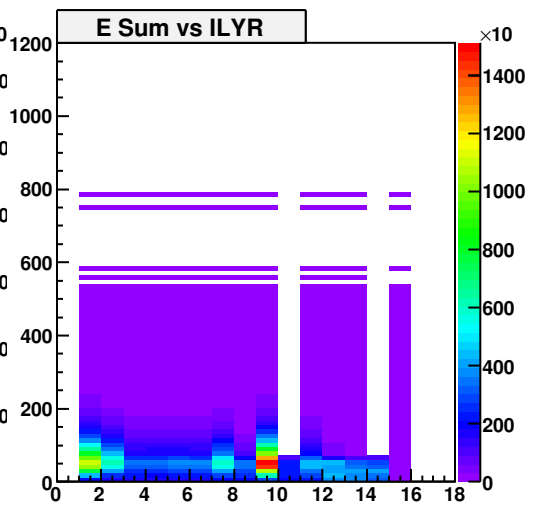




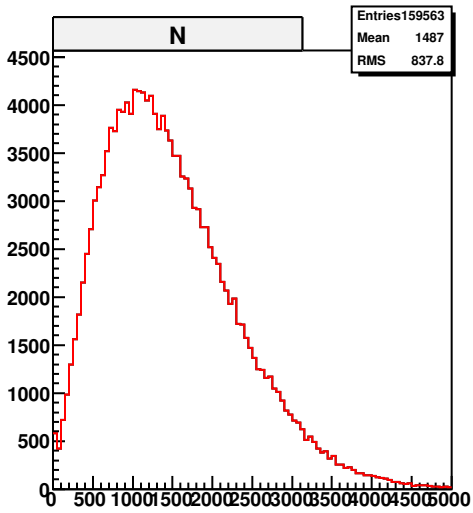


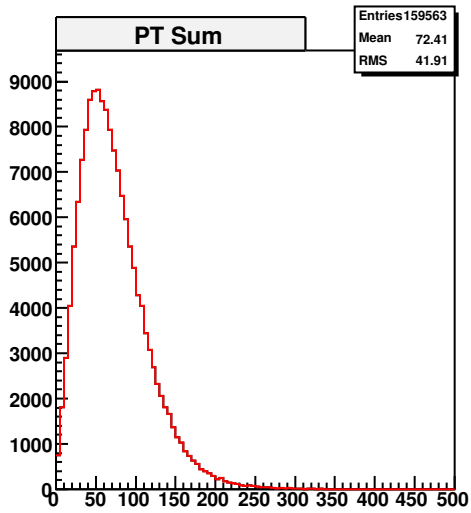


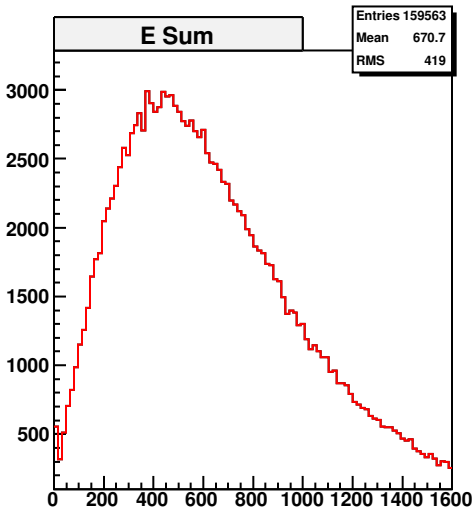


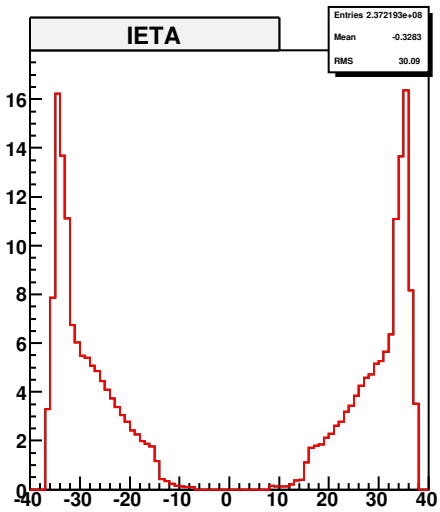


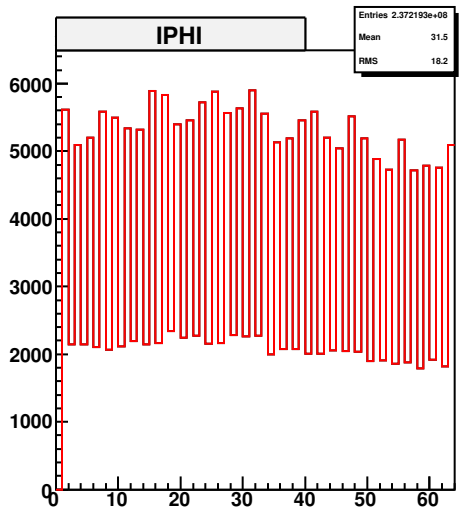
Calorimeter (All CC cells)

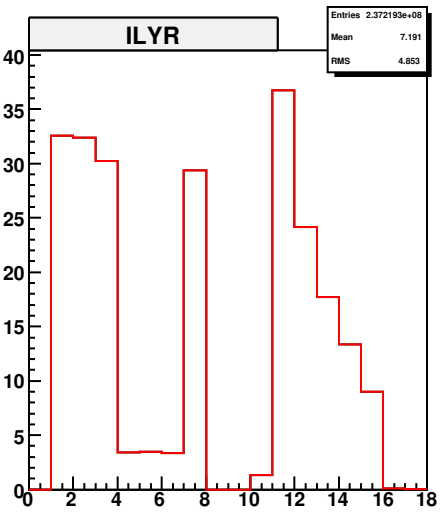


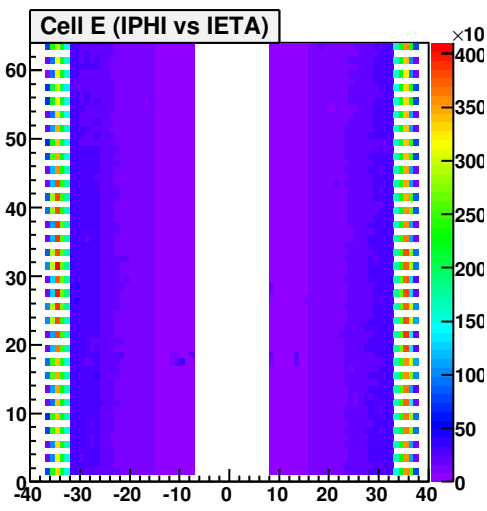


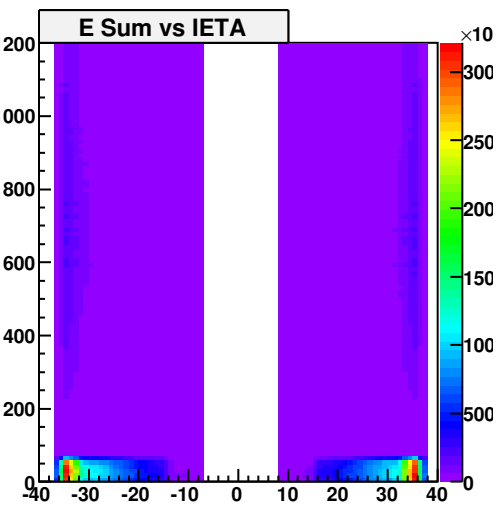


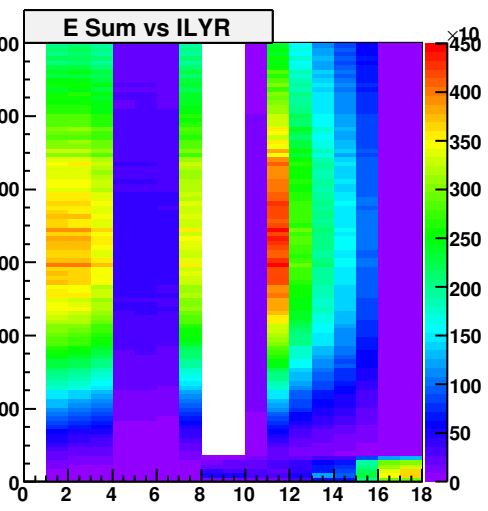




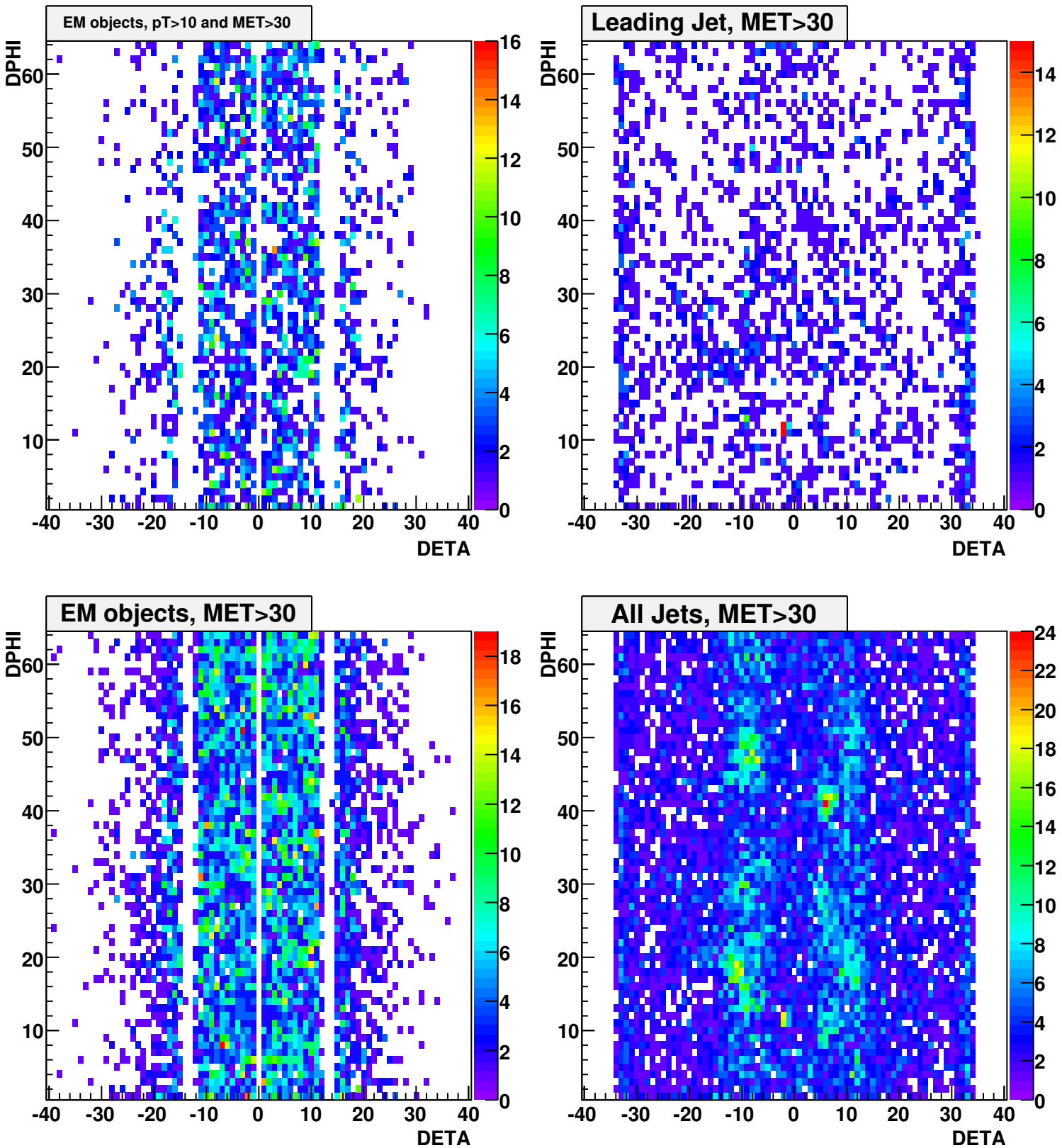




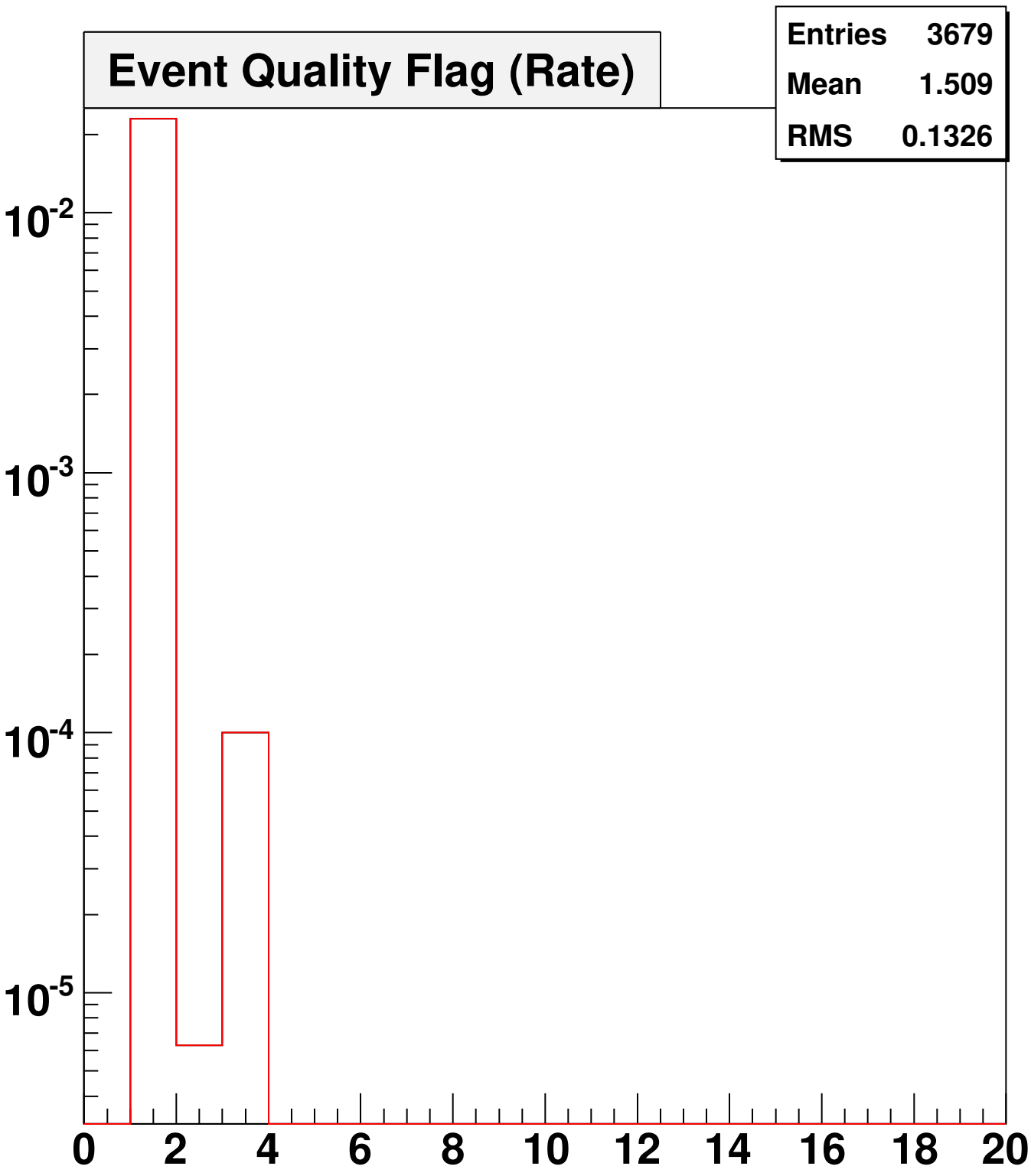


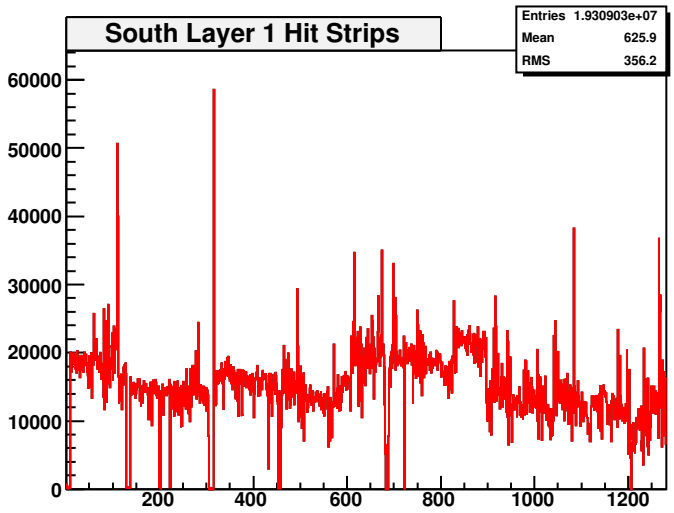


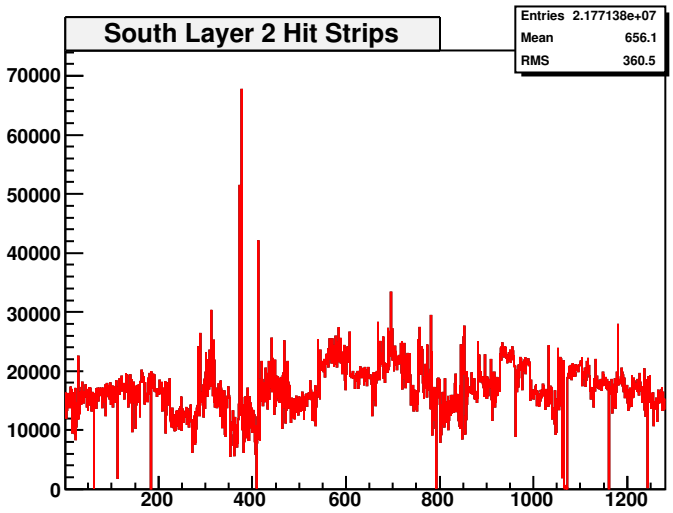
Calorimeter (All EC cells)

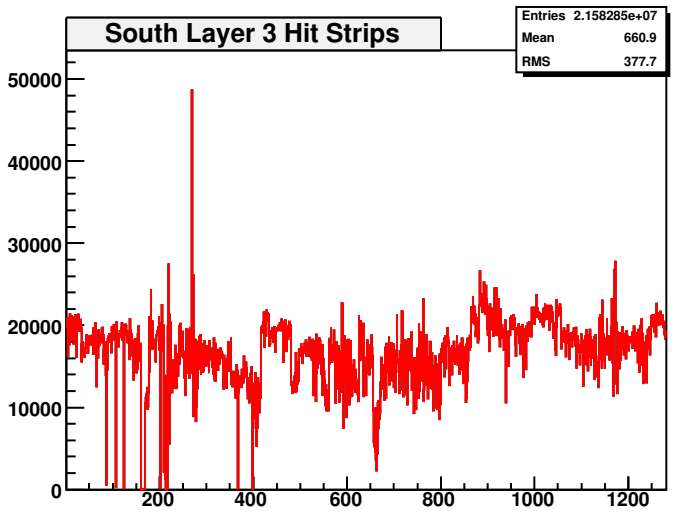


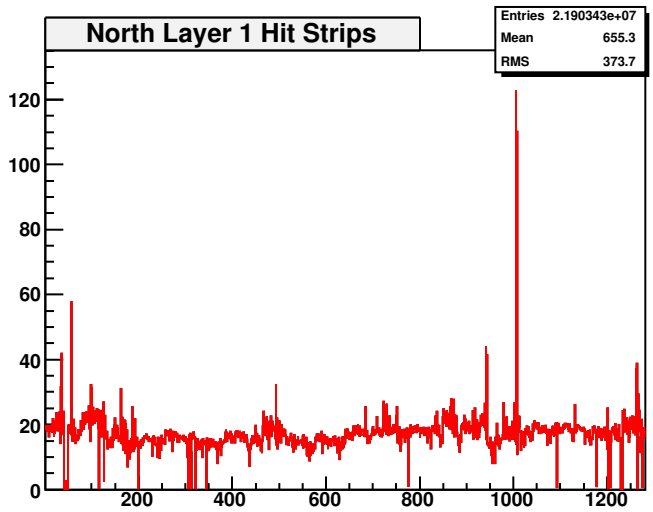
Cal Objects with MET>30 (All cells)

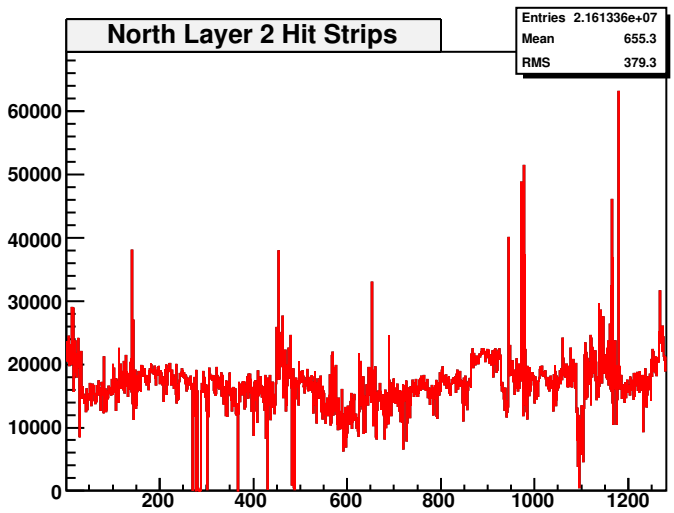

Event Quality Flag (Rate)
Entries 3679
Mean 1.509
RMS 0.1326
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

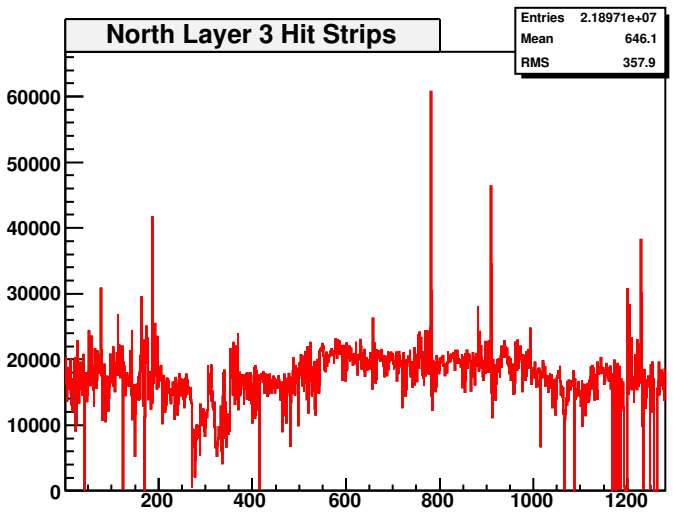




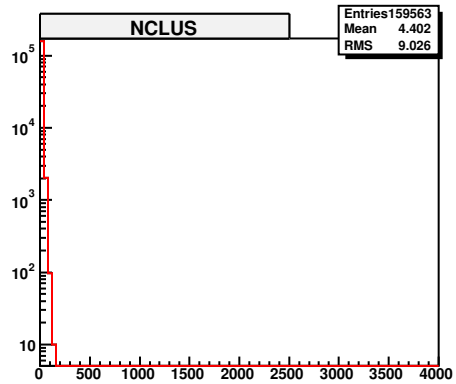


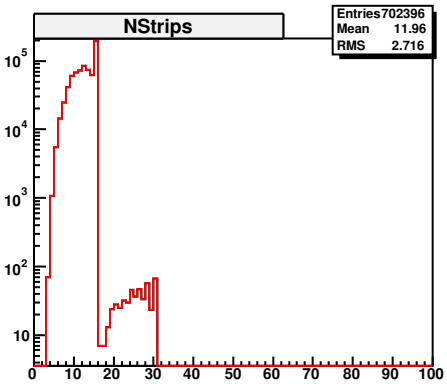


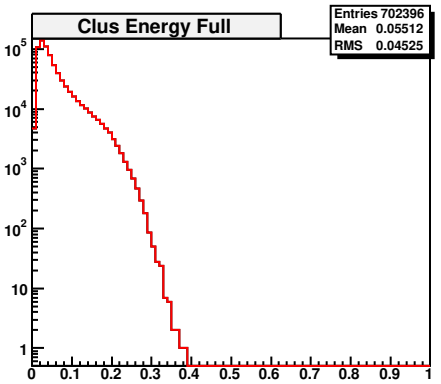


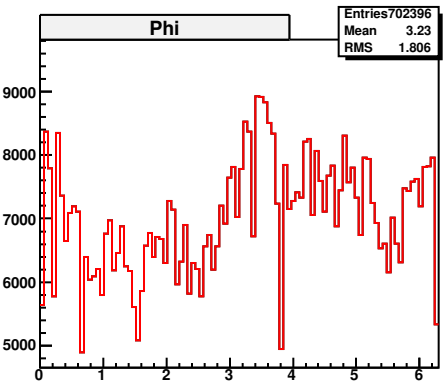


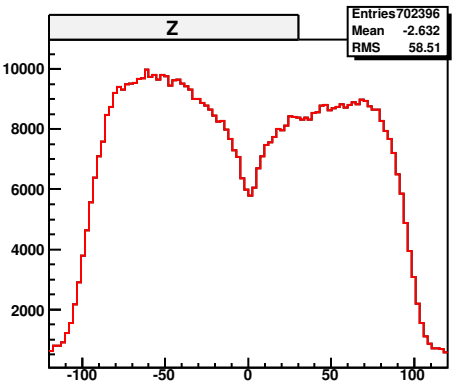
CPS Hit Strips (All Clusters)

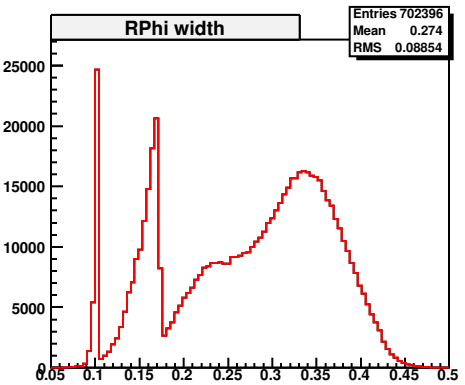


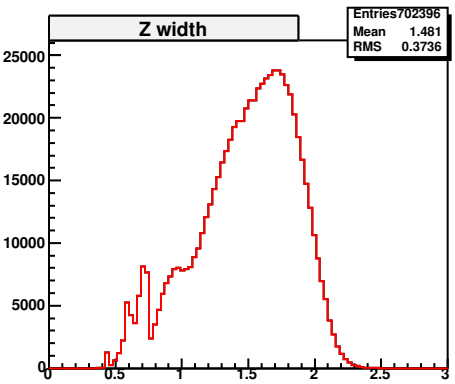


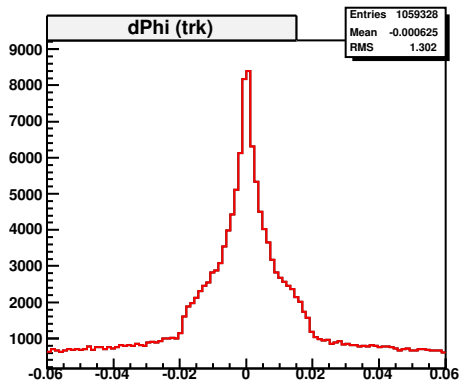


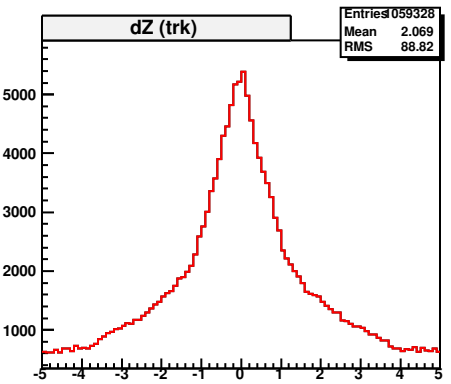


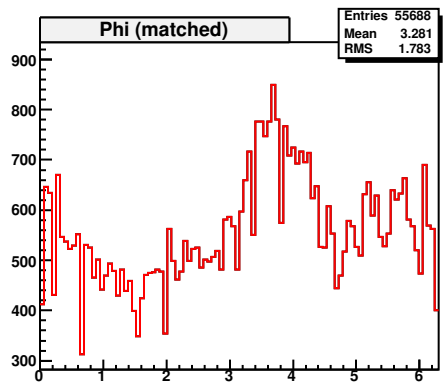


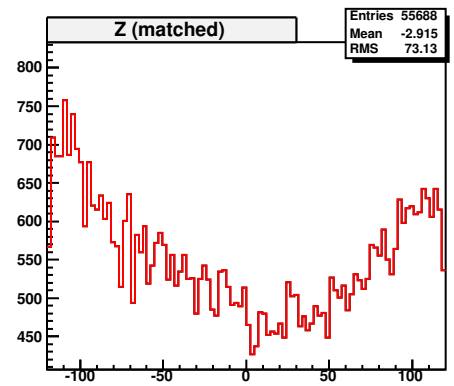




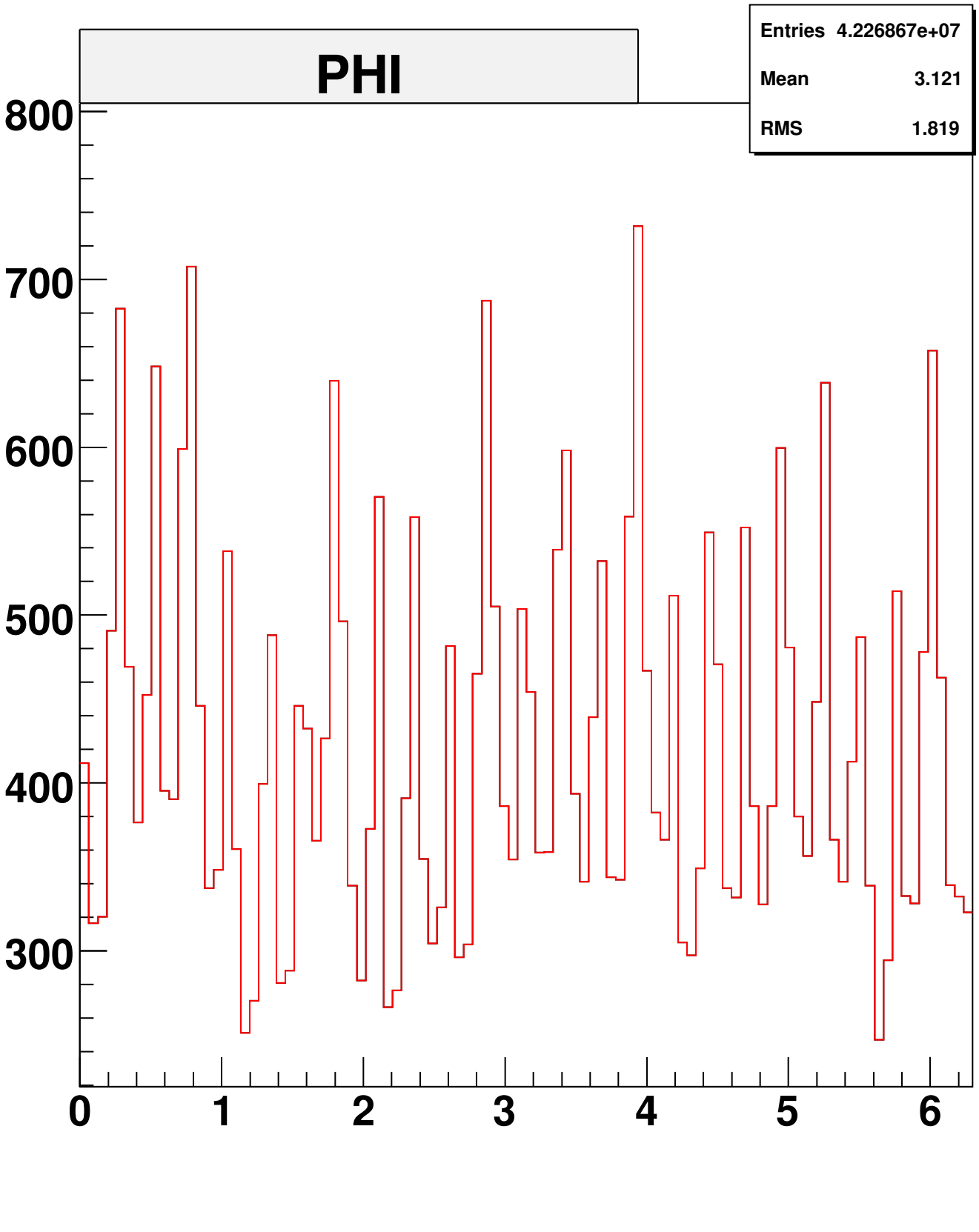








CPS Clusters (All Clusters)


PHI
Entries 4.226867e+07
Mean 3.121
RMS 1.819
800
700
600
500
400
300
0
1
2
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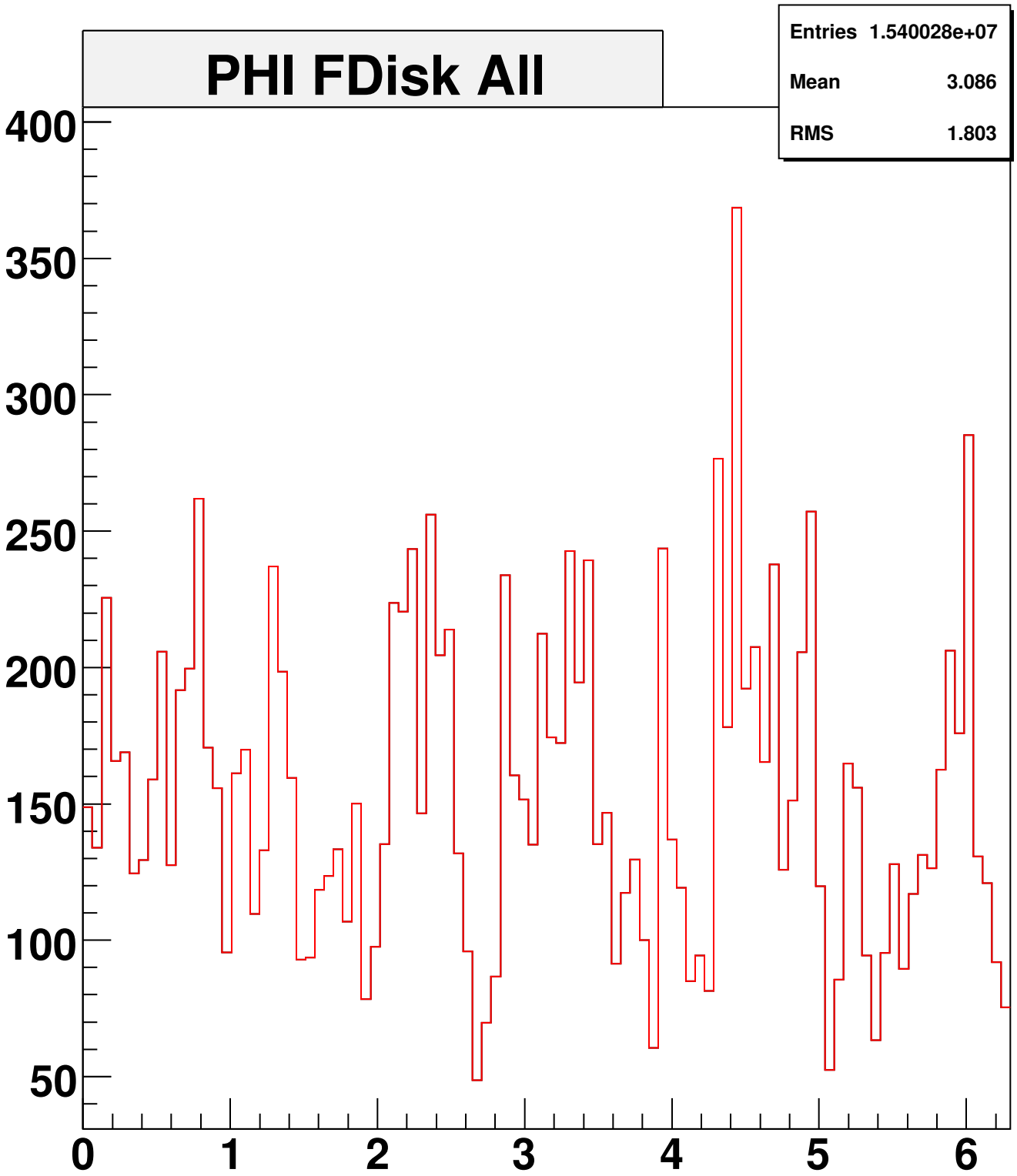
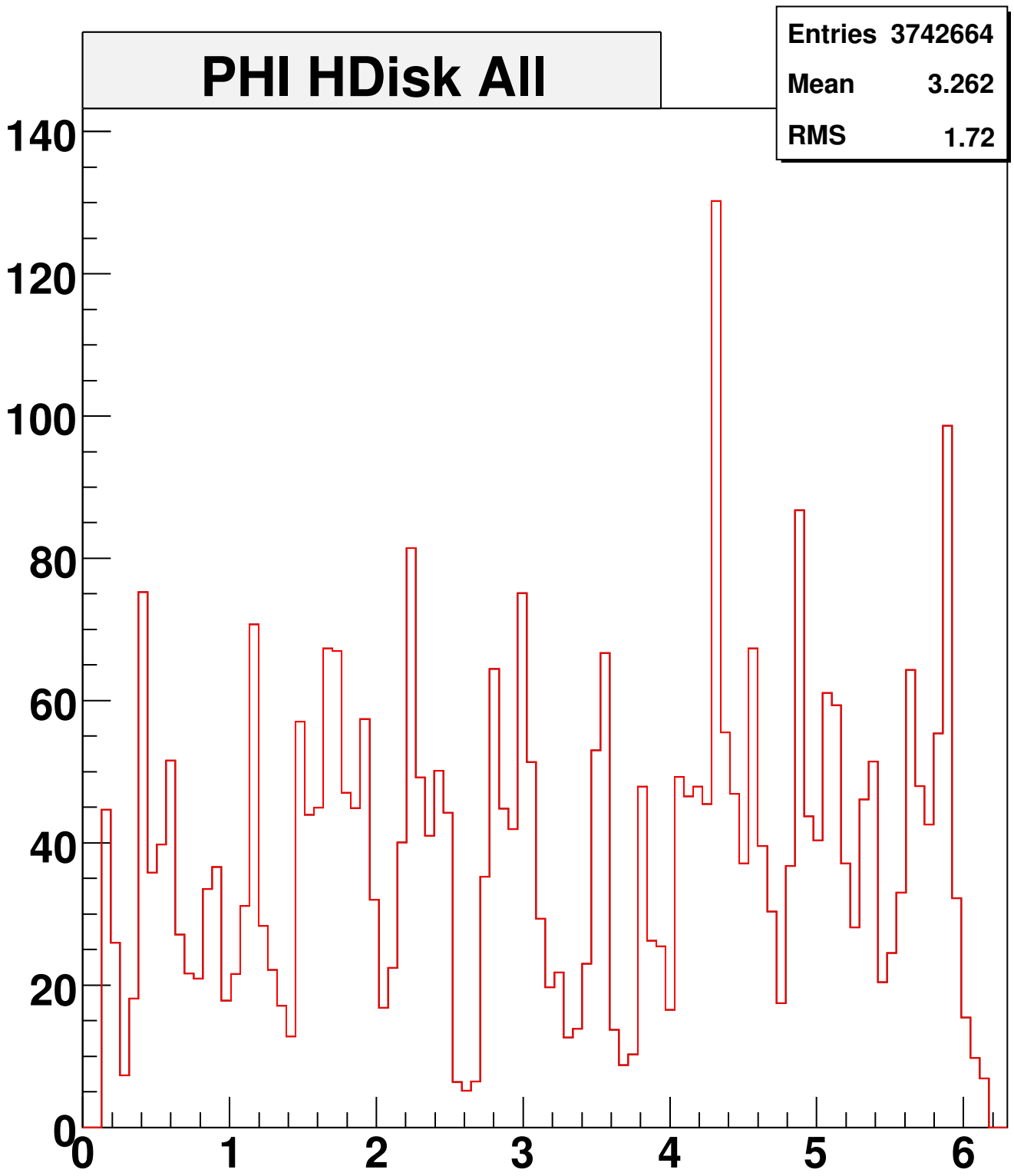
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 1.540028e+07
Mean 3.086
RMS 1.803
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 3742664
Mean 3.262
RMS 1.72
140
120
100
80
60
40
20
0
0
1
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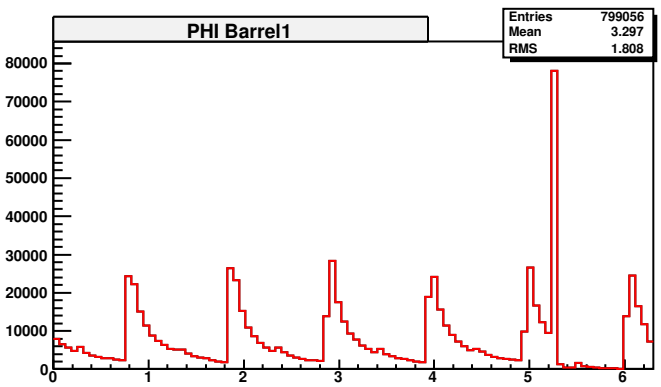
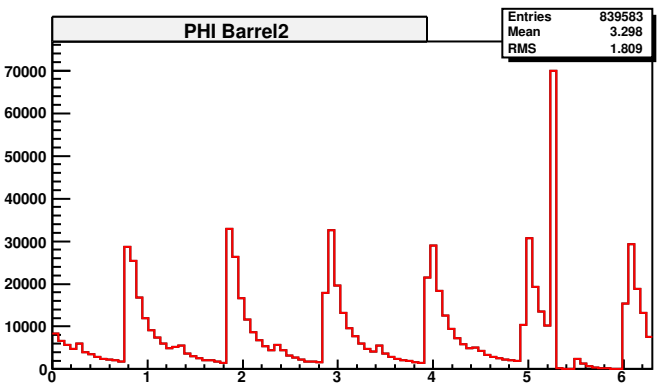
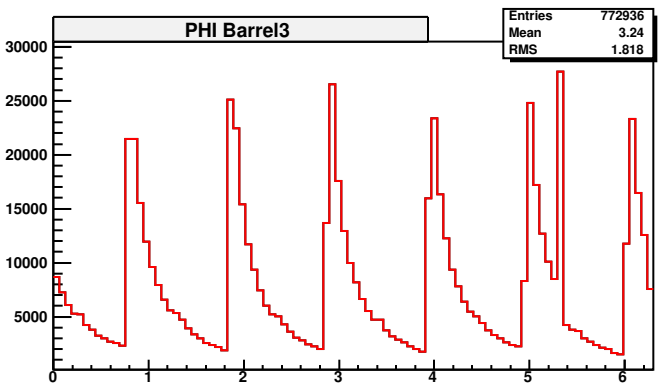
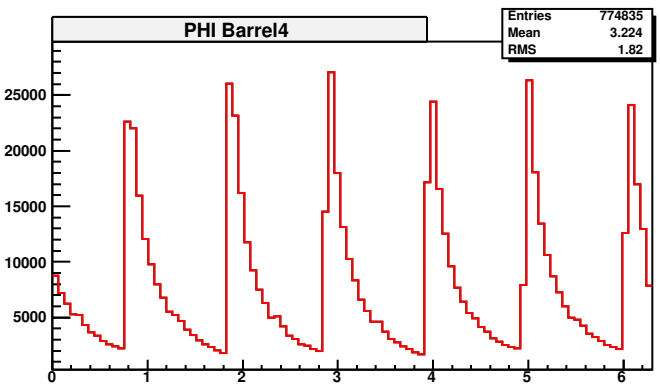
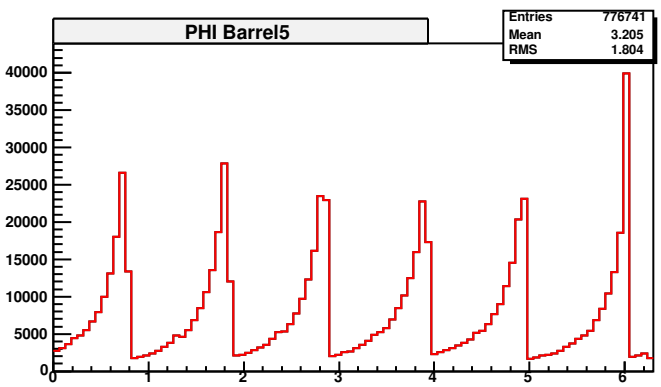
4
5
6
SmtClusters (allHDiskClusters)

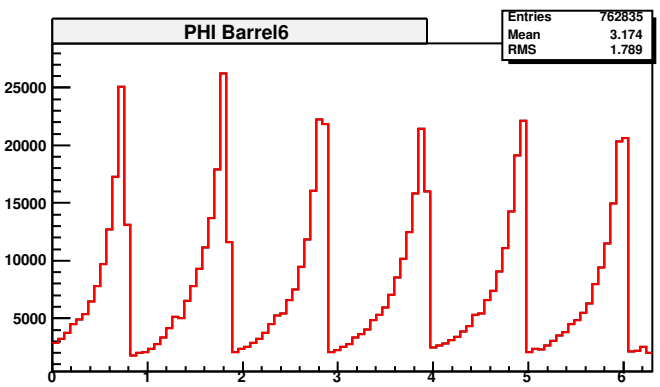


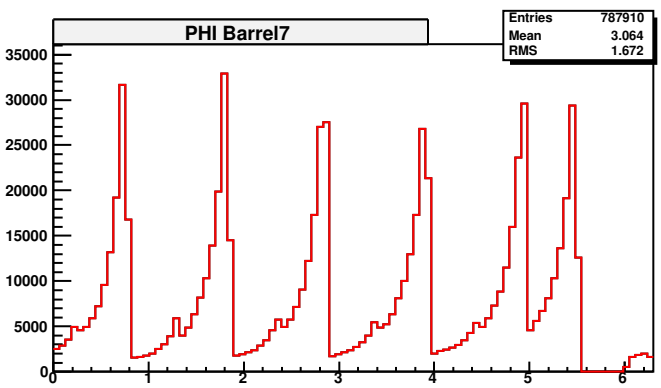


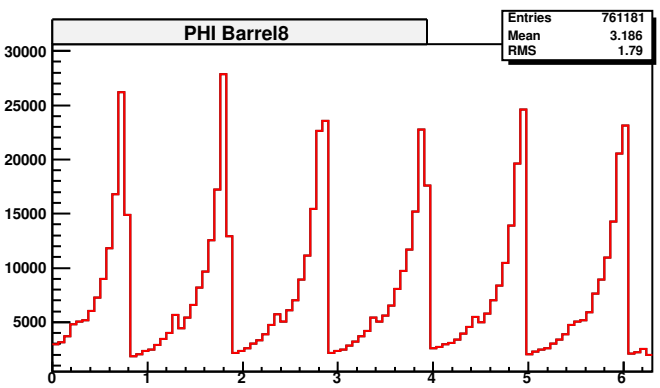




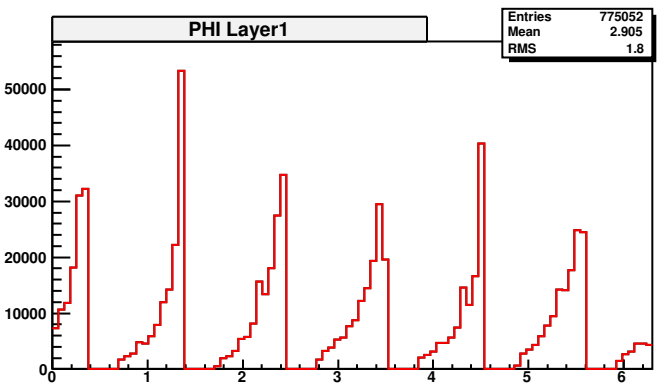


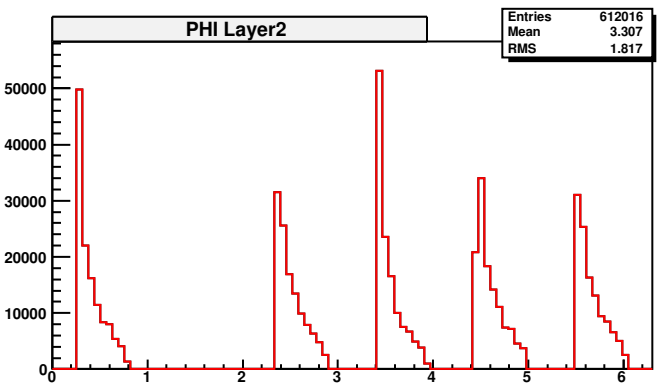


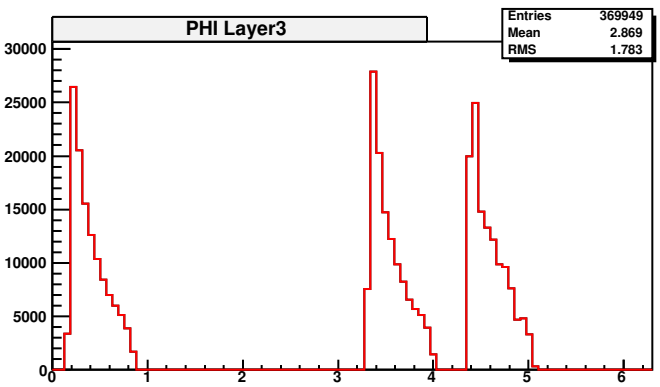


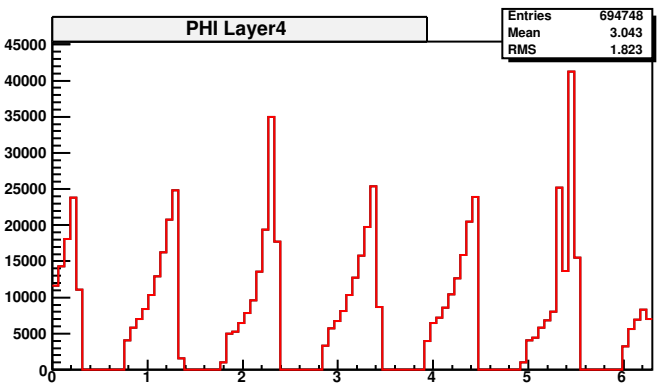


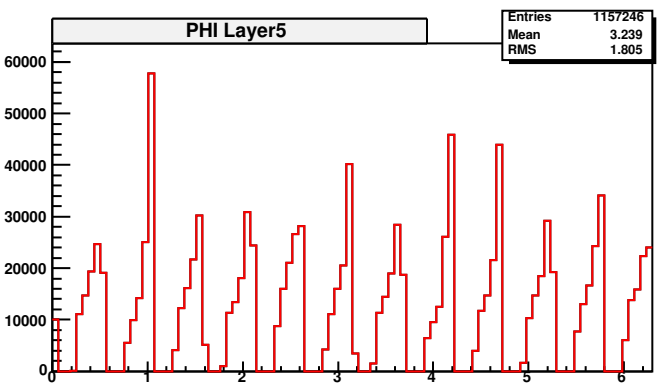
SmtClusters (ClustrLayer0)

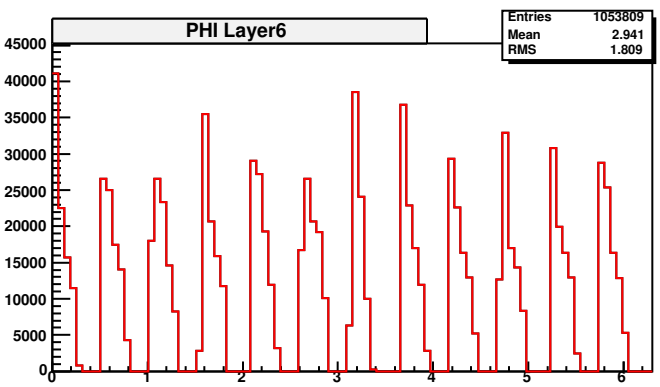


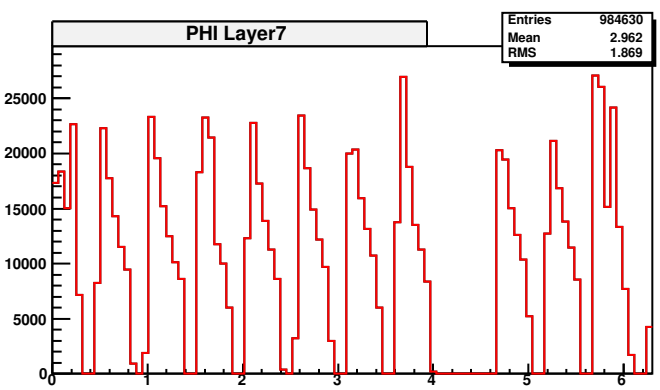


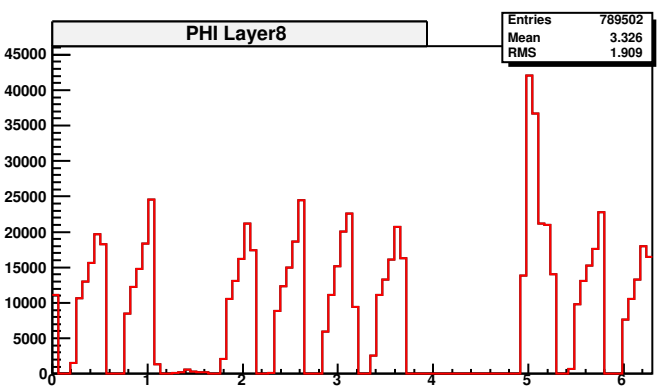




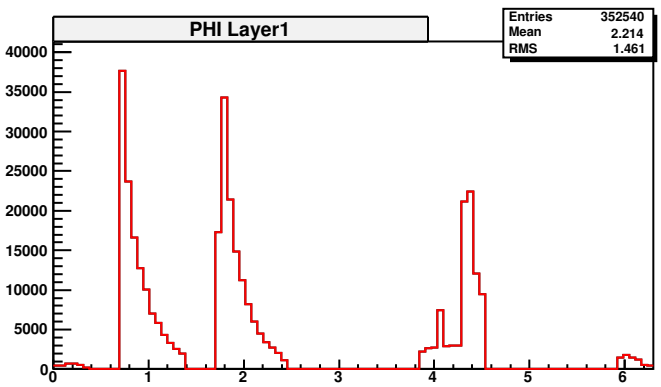


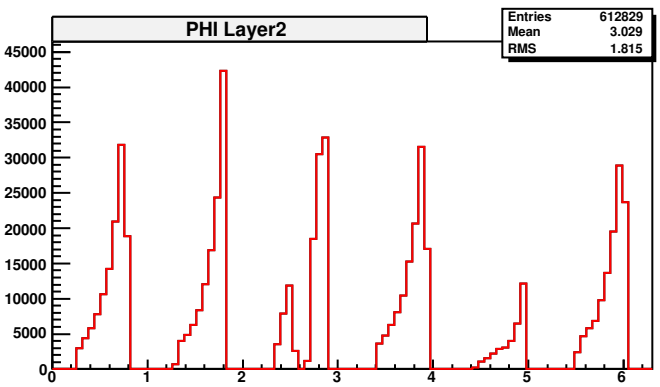


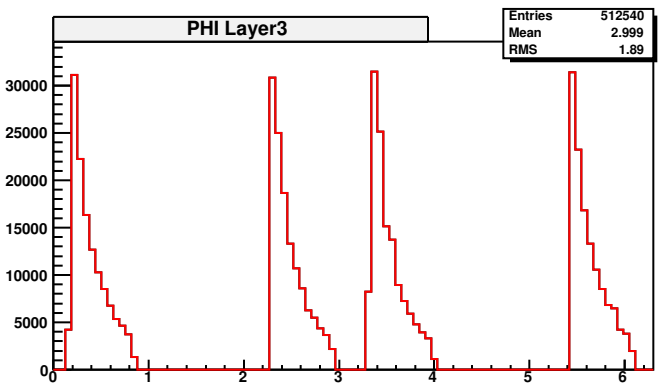


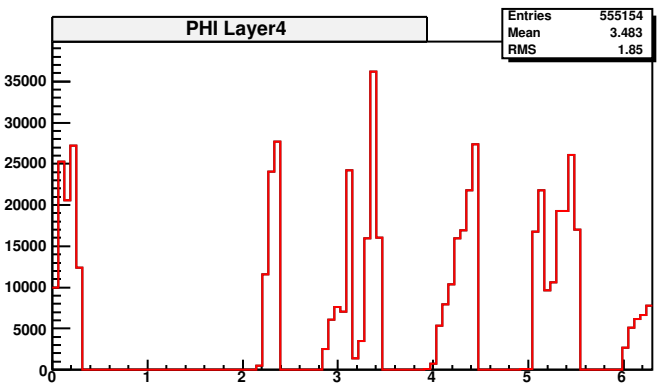


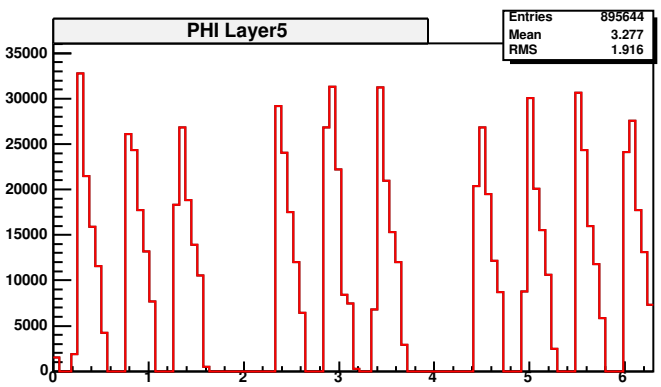
SmtClusters (ClustrBar1)

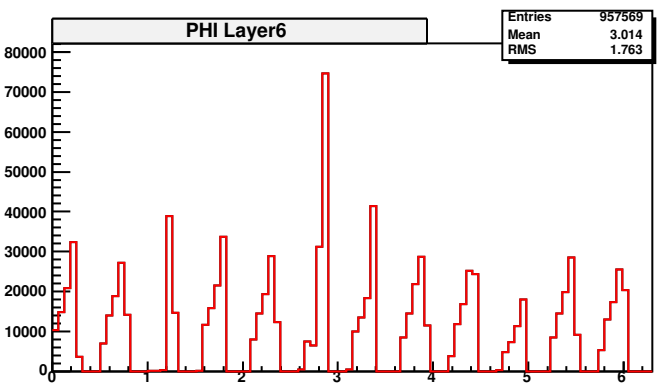


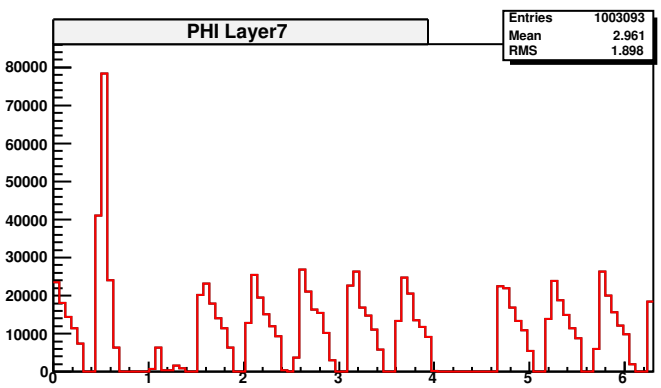


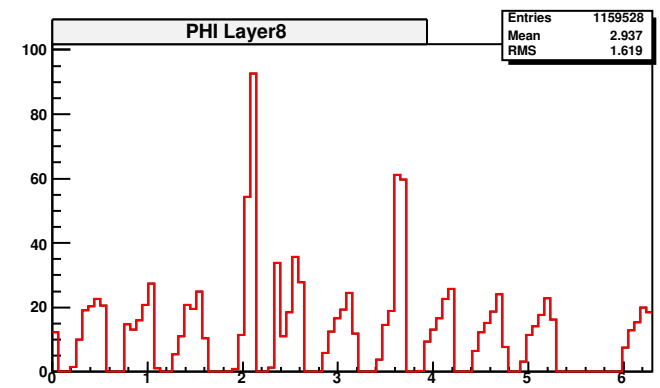




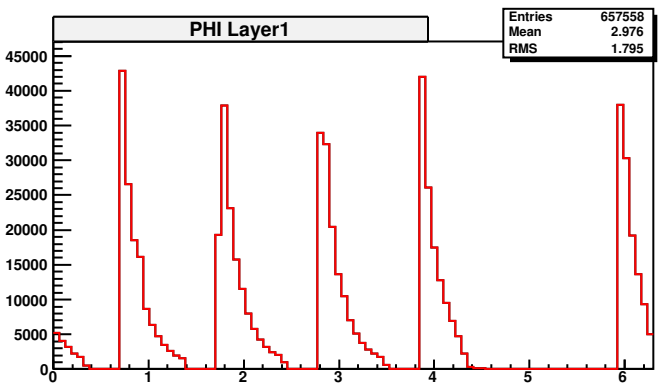


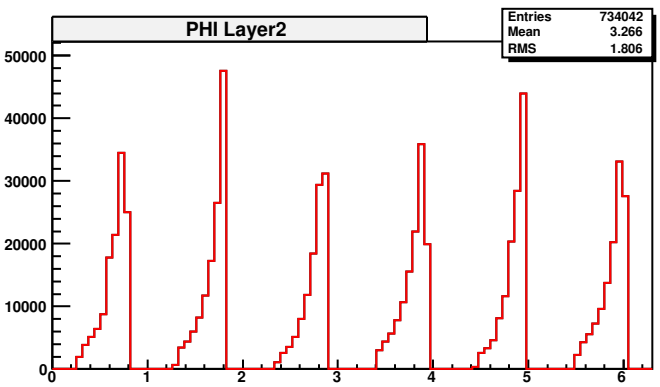


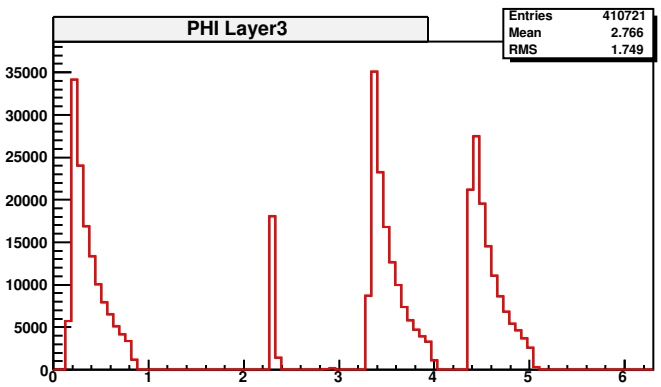


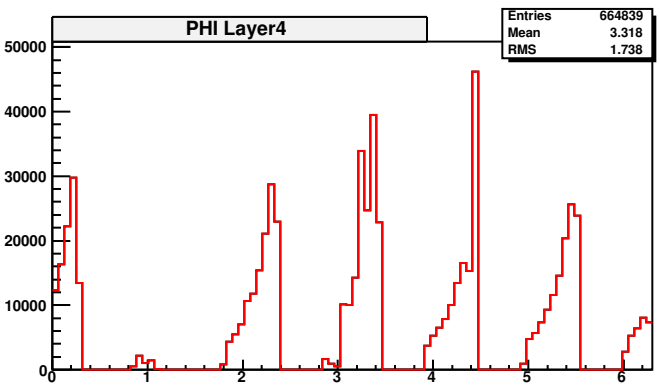


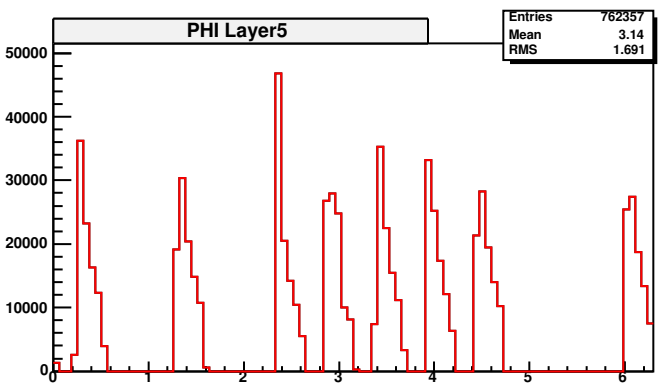
SmtClusters (ClustrBar2)

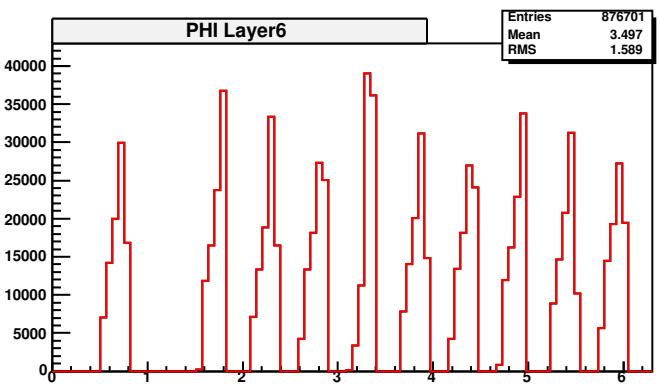


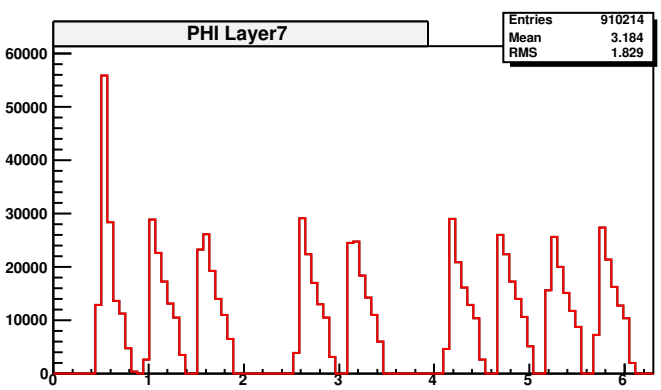


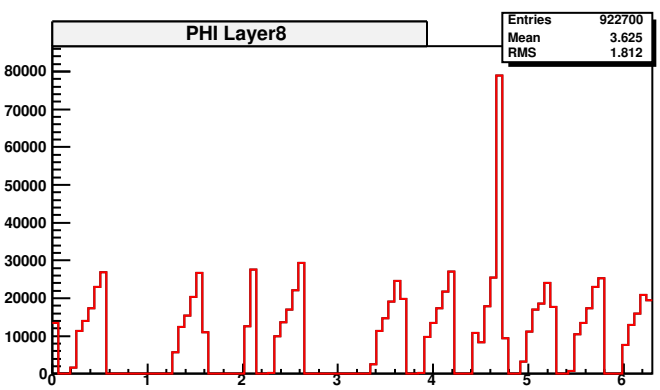




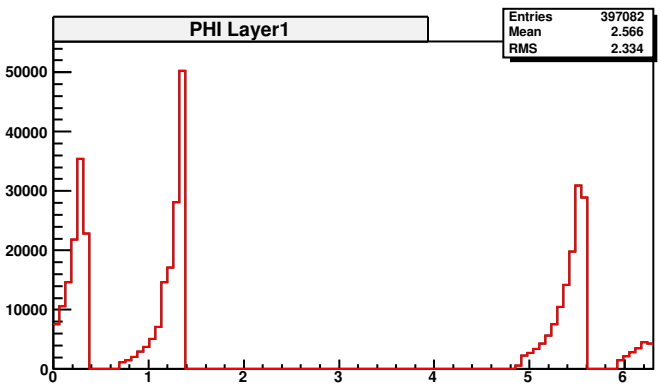


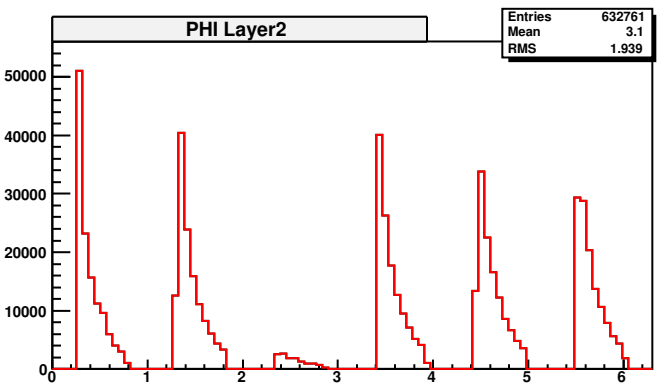


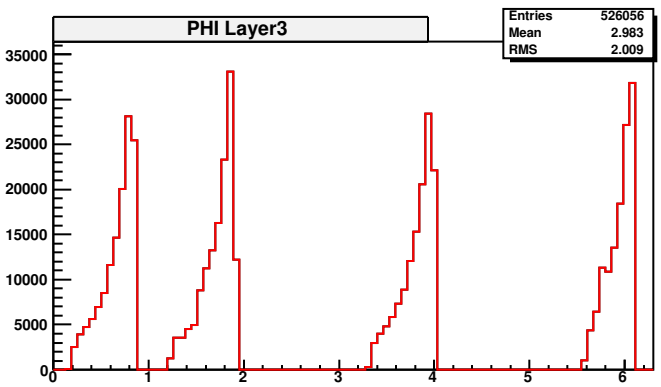


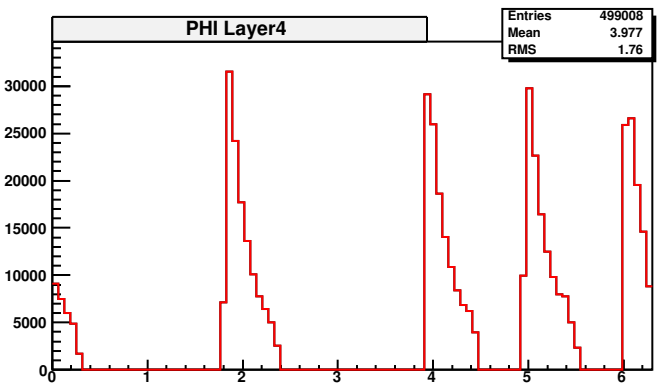


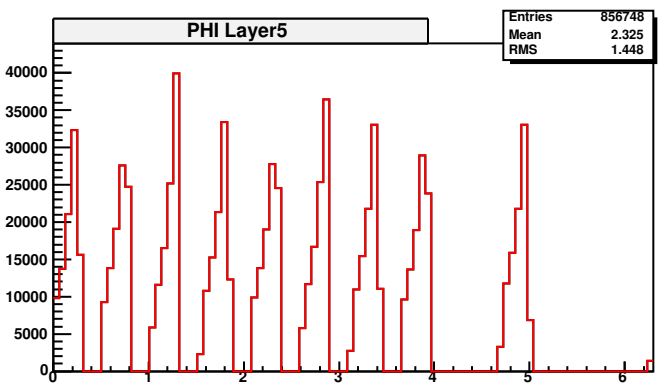
SmtClusters (ClustrBar3)

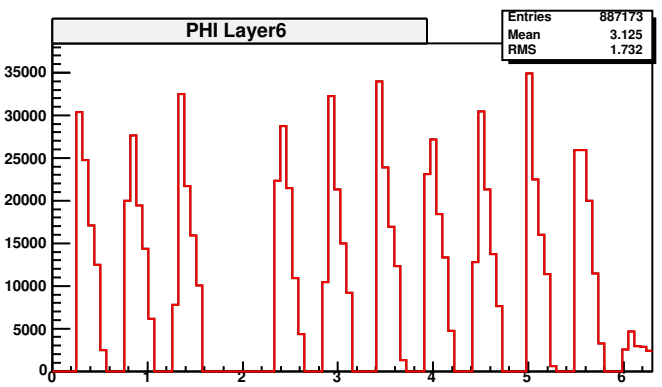


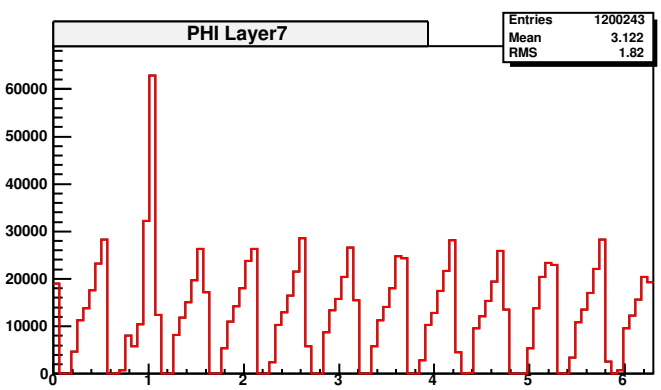


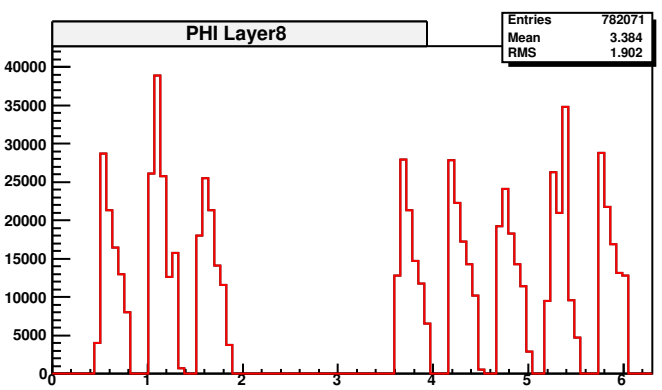




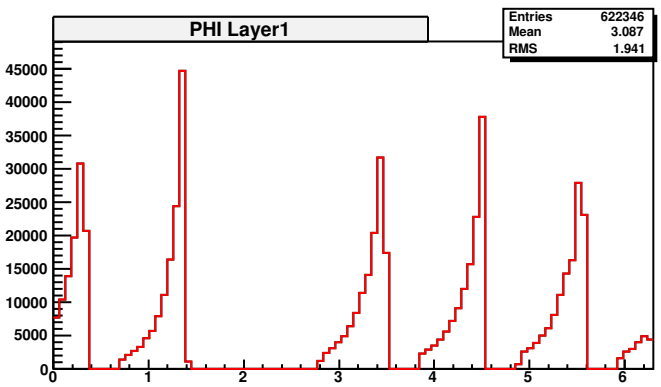


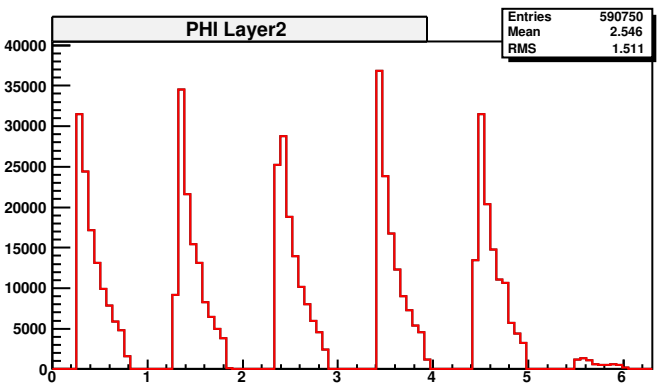


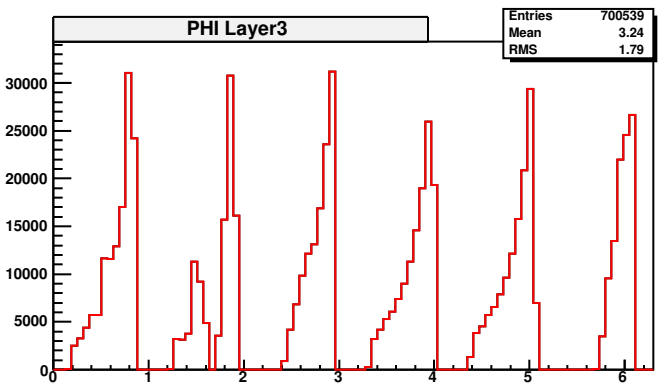


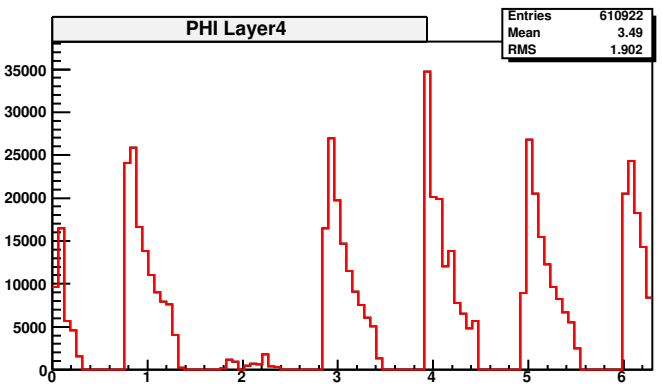


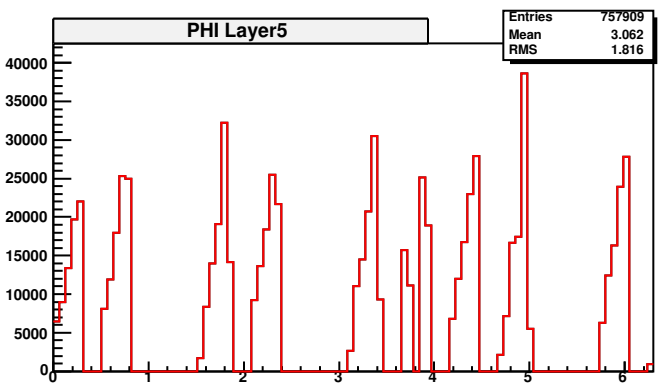
SmtClusters (ClustrBar4)

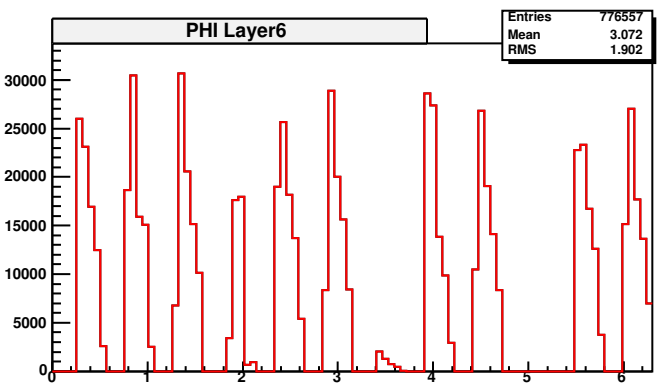


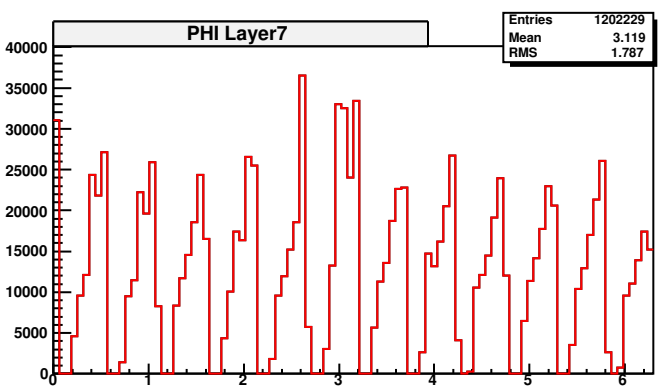


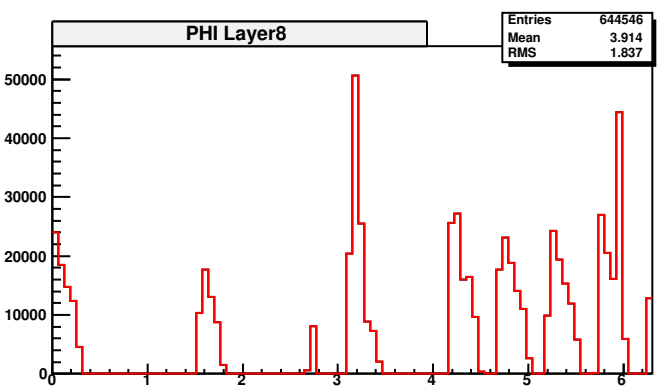




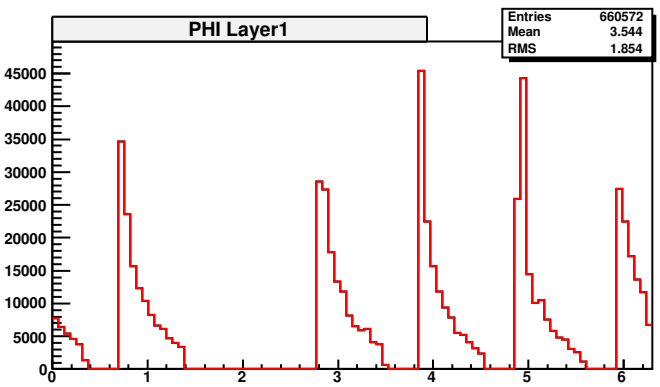


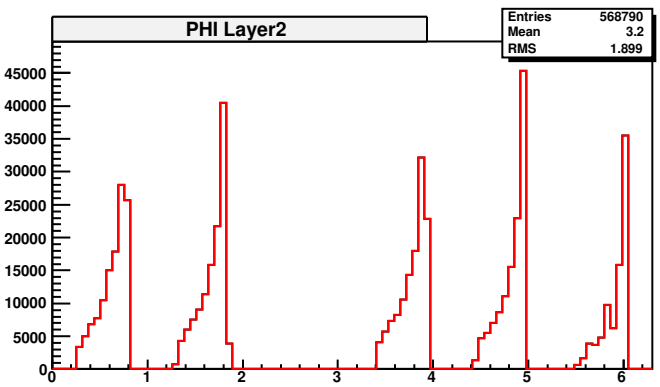


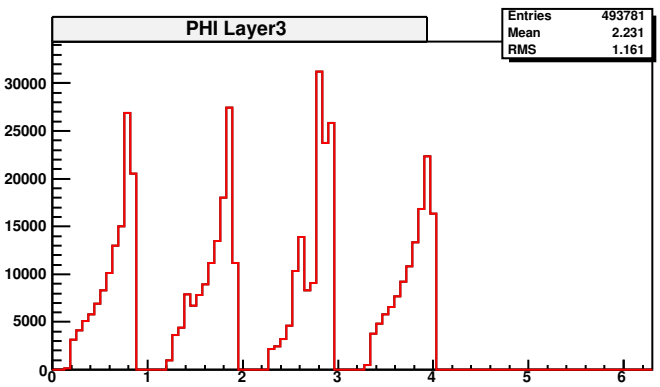


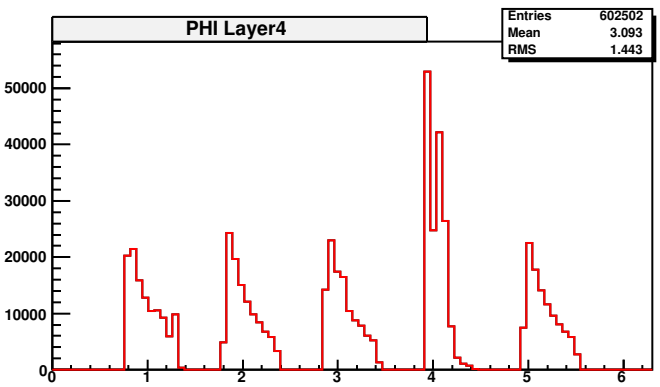


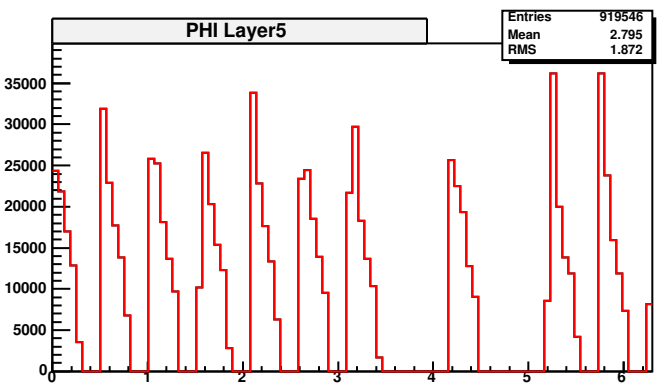
SmtClusters (ClustrBar5)

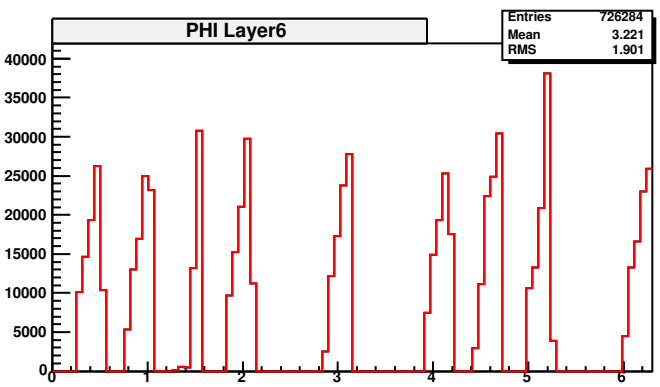


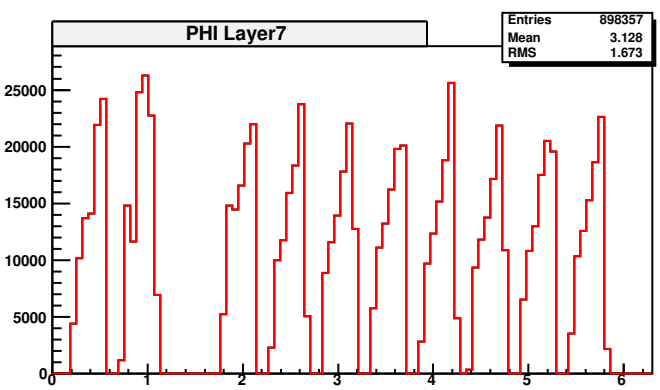


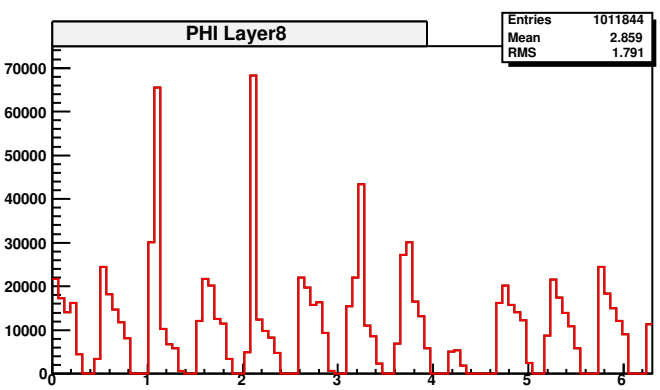




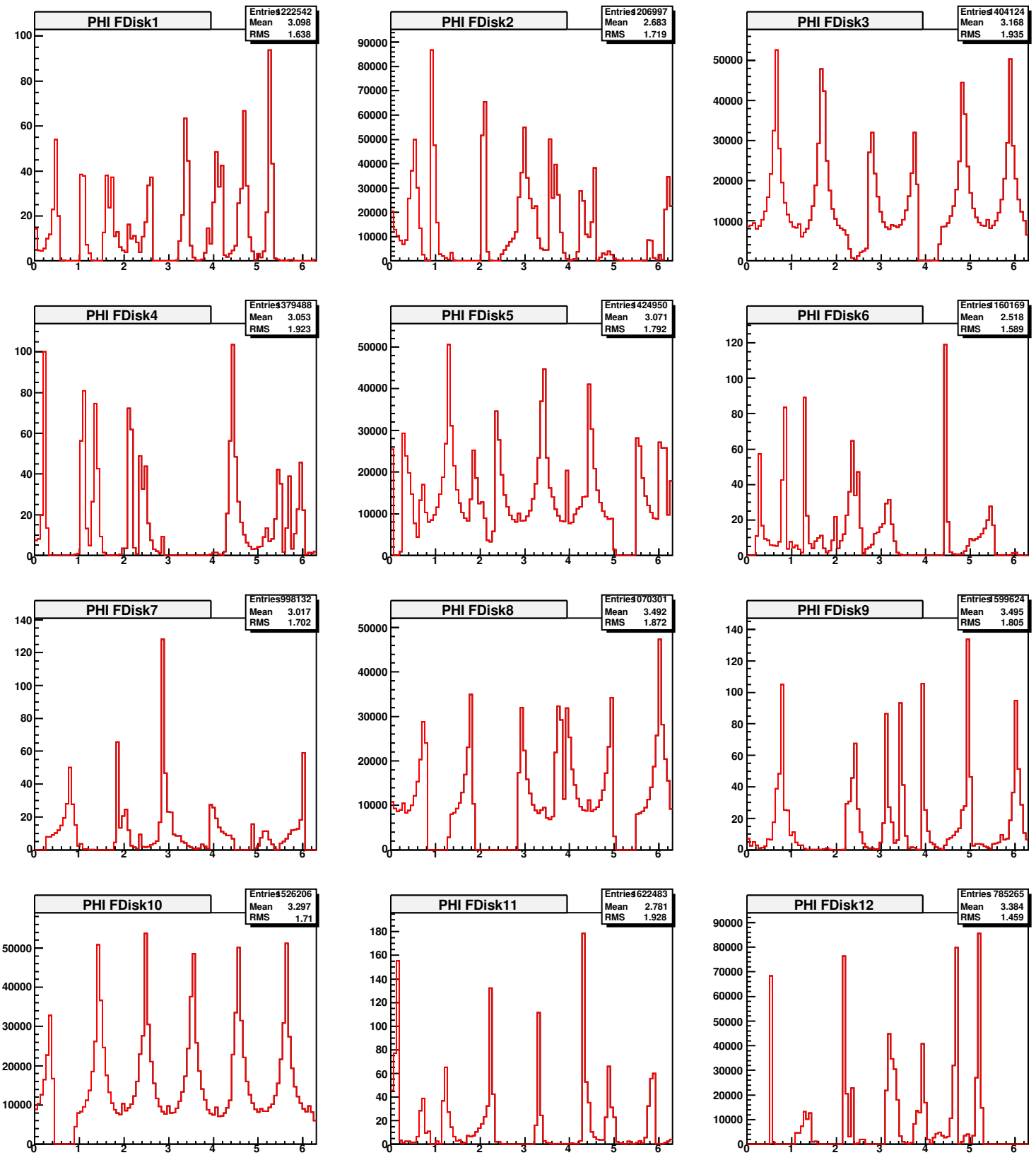




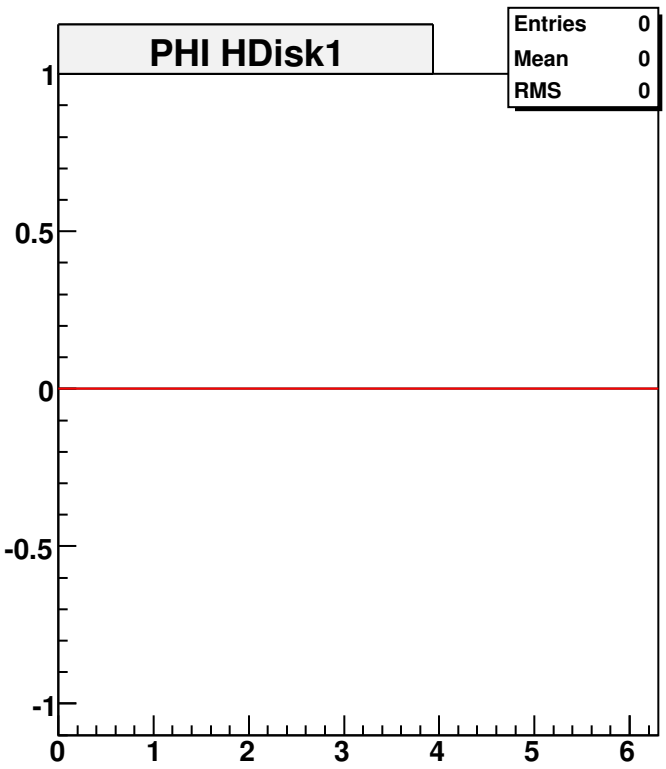


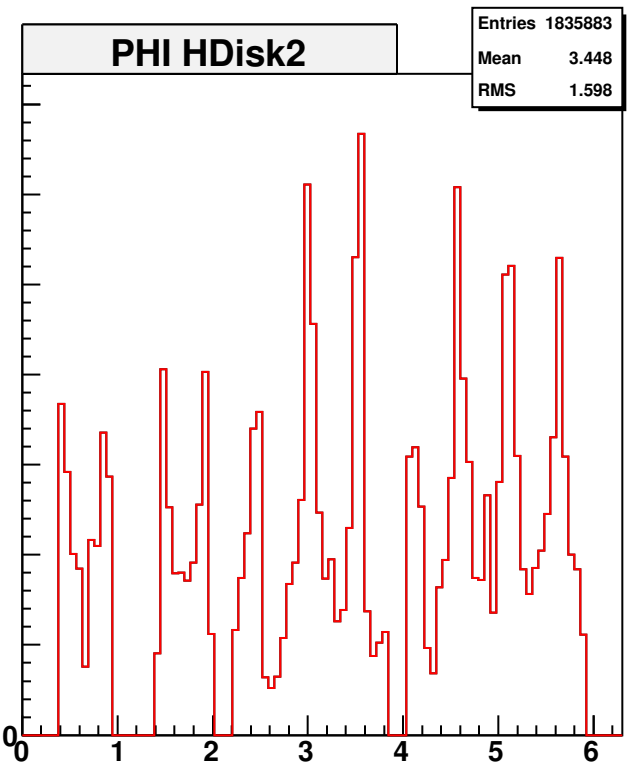


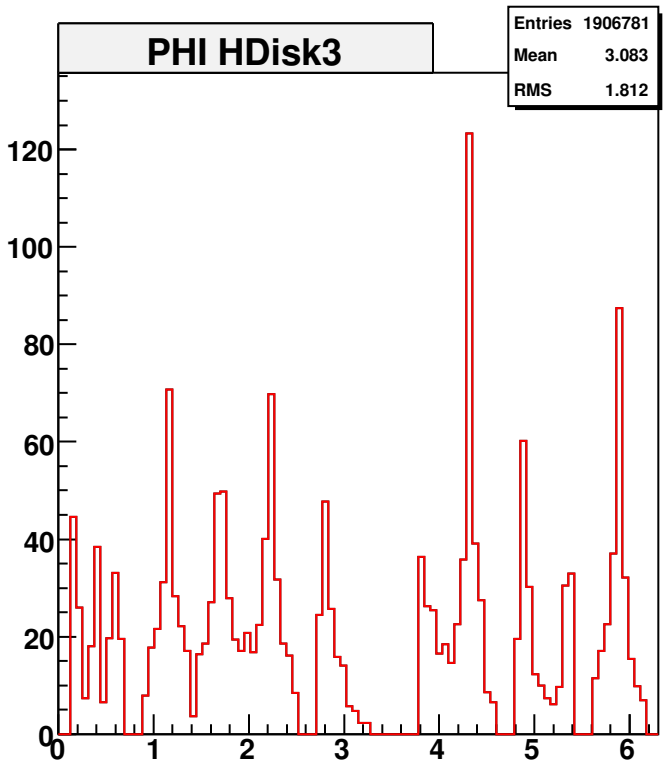
SmtClusters (ClustrBar6)

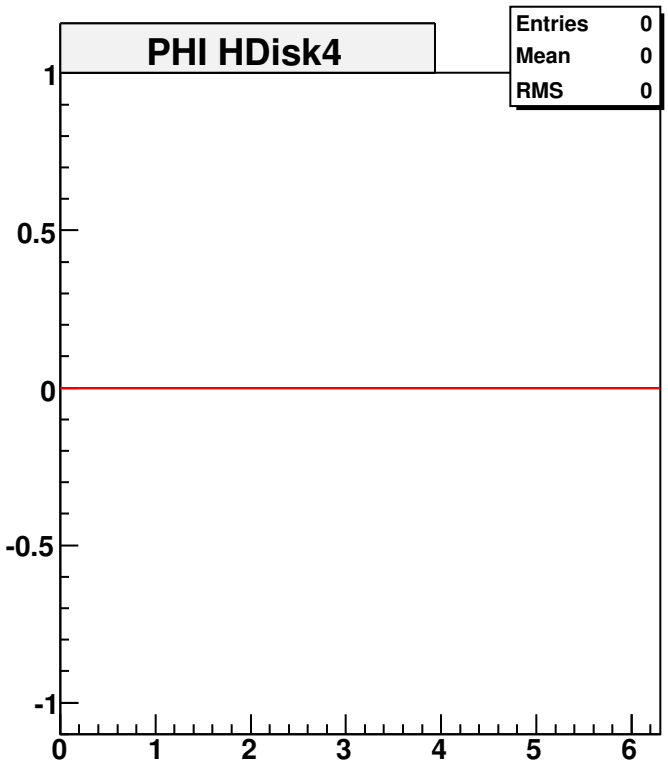


SmtClusters (FDiskClusters)

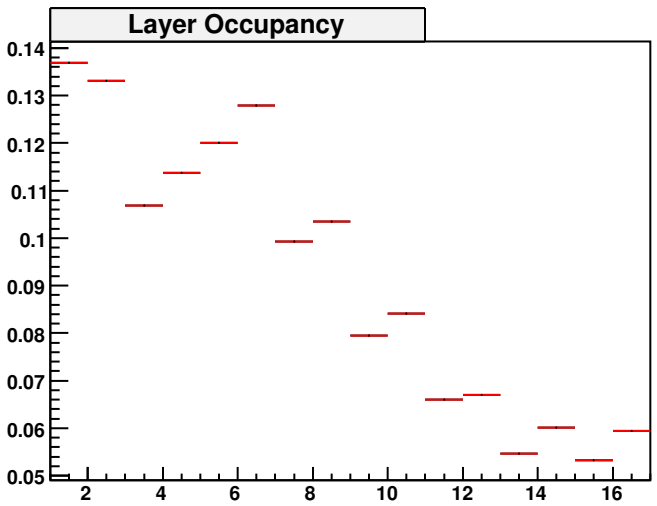


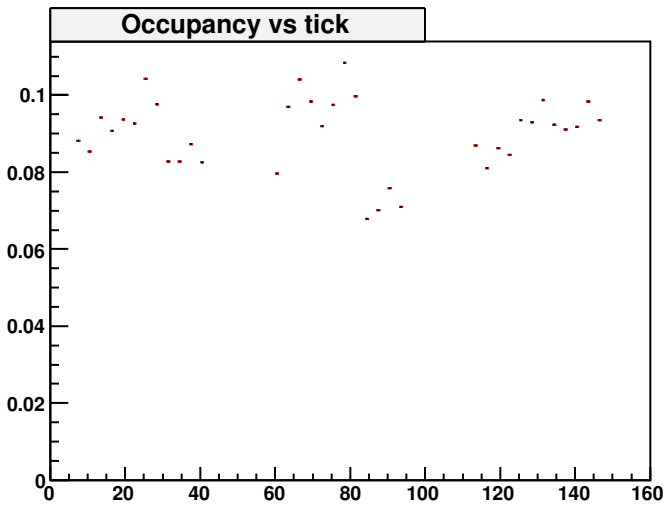


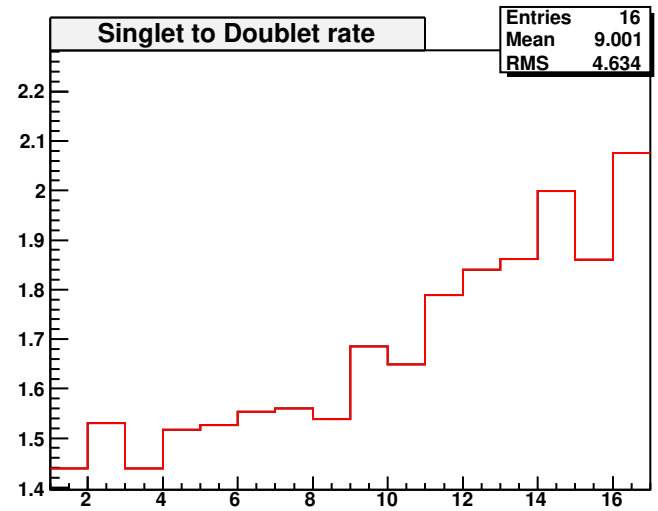


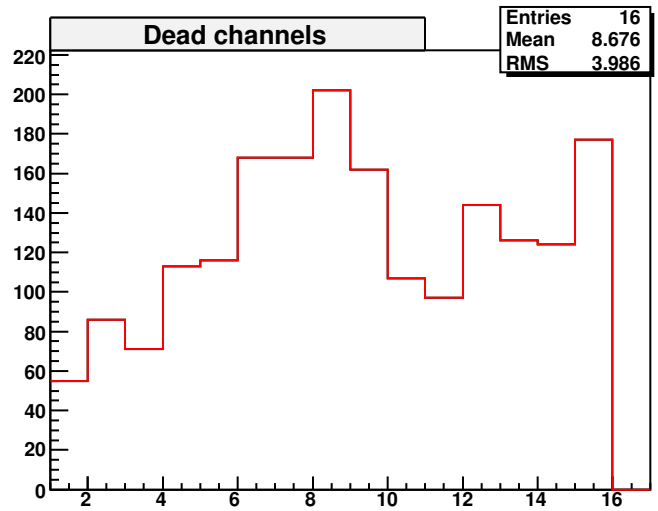


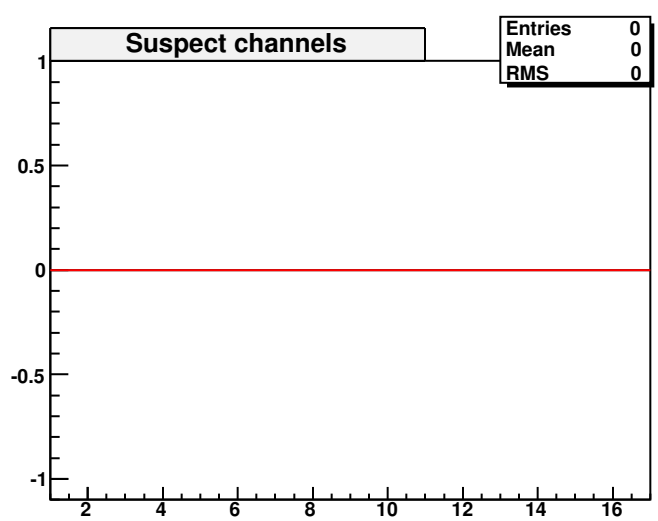
SmtClusters (HDiskClusters)

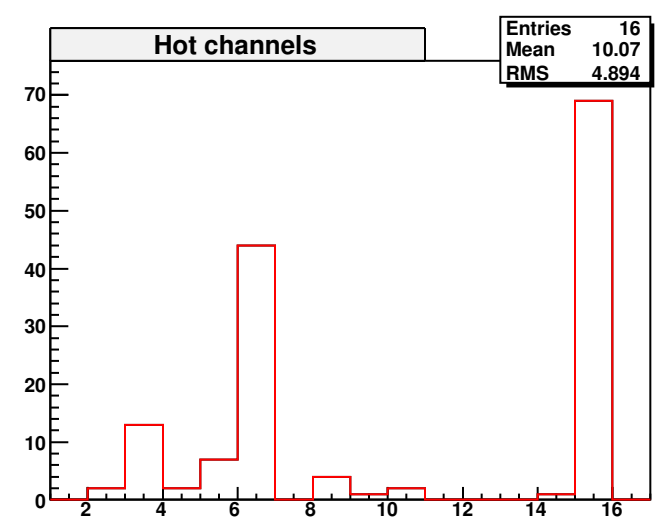




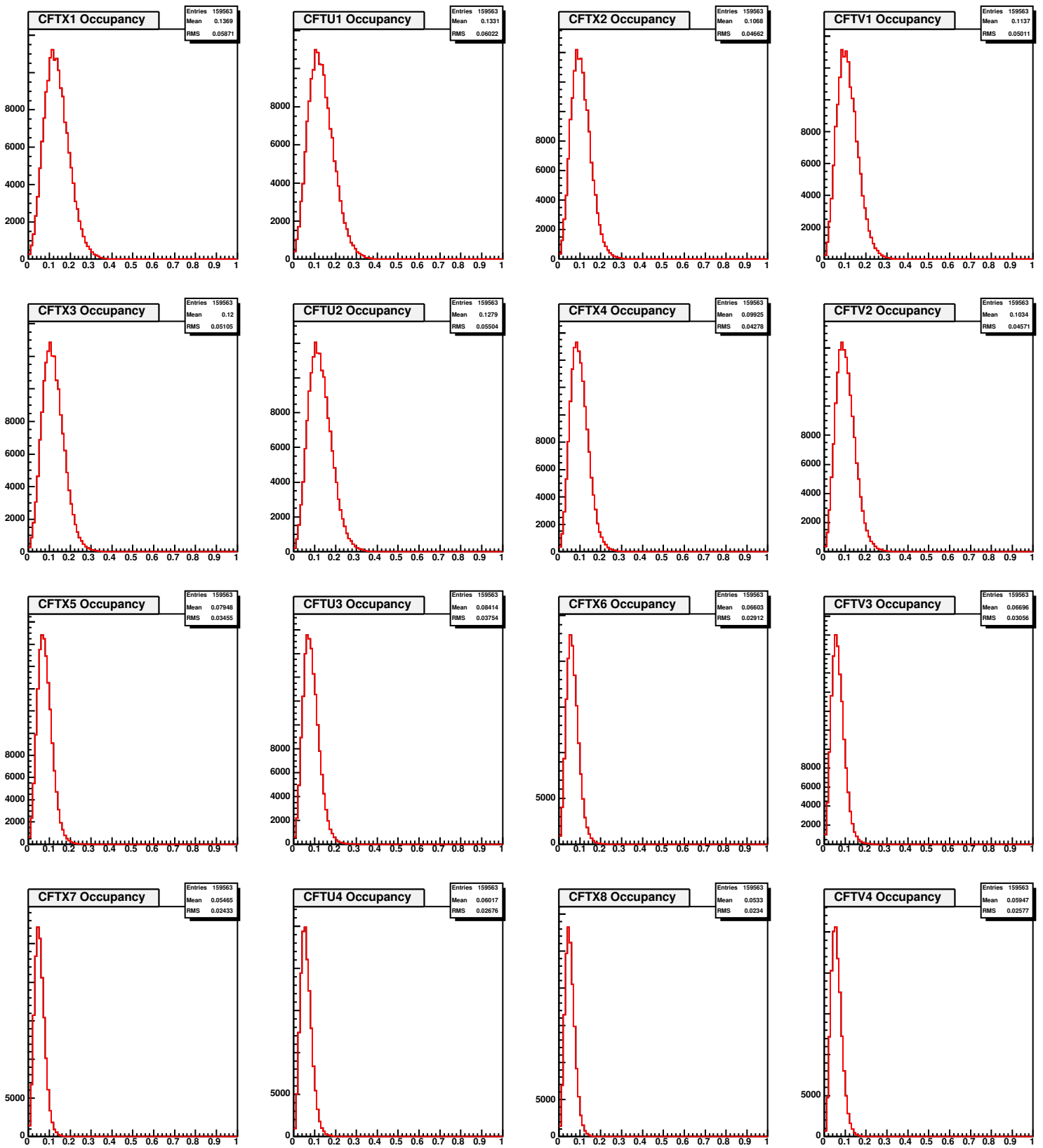




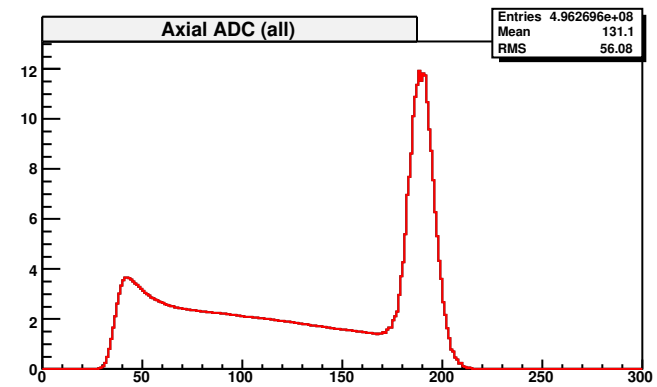


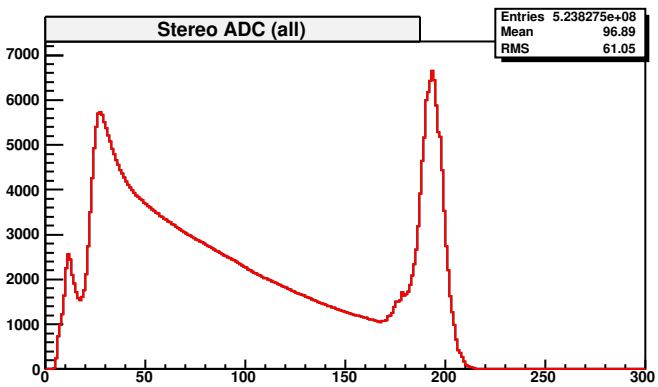


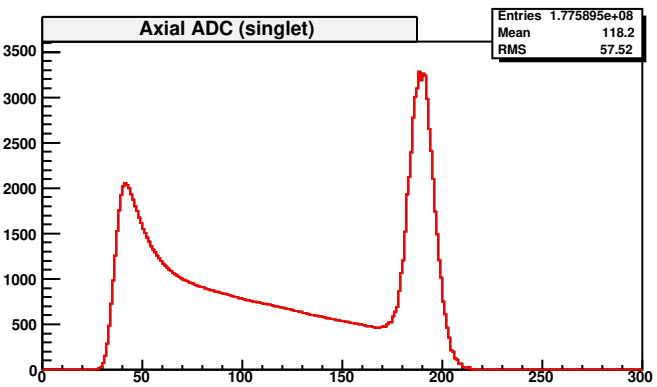
CFT Summary (All Clusters)

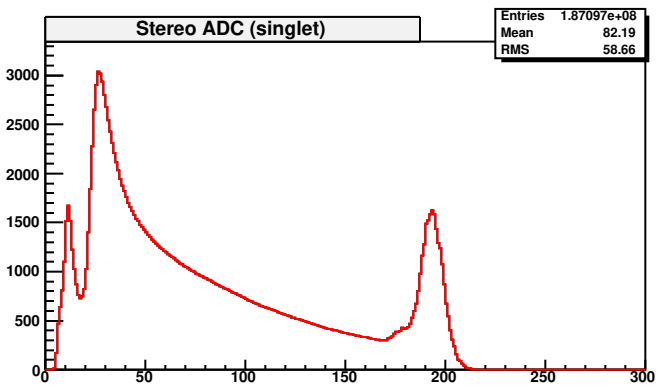


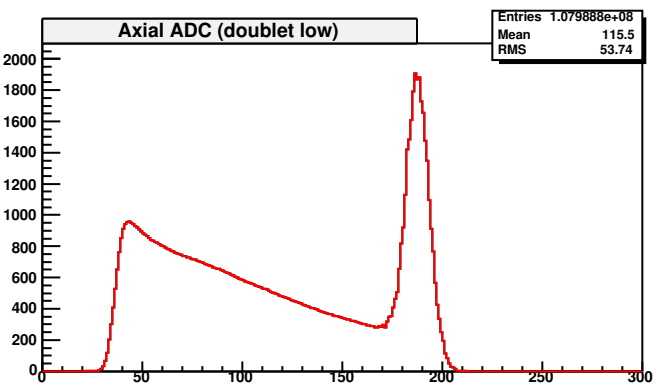
CFT Occupancy (All Clusters)

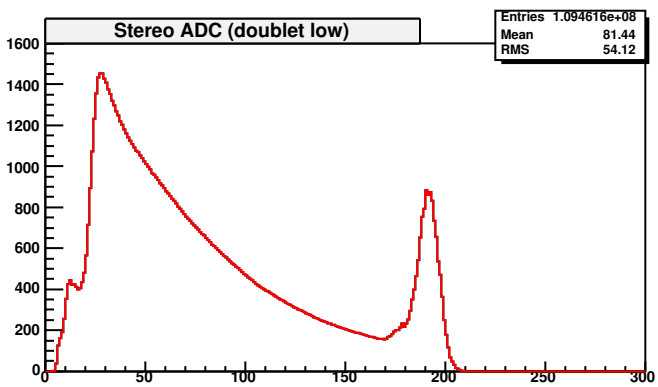


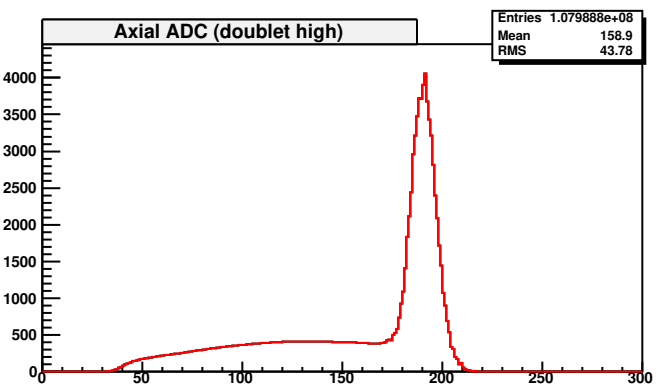


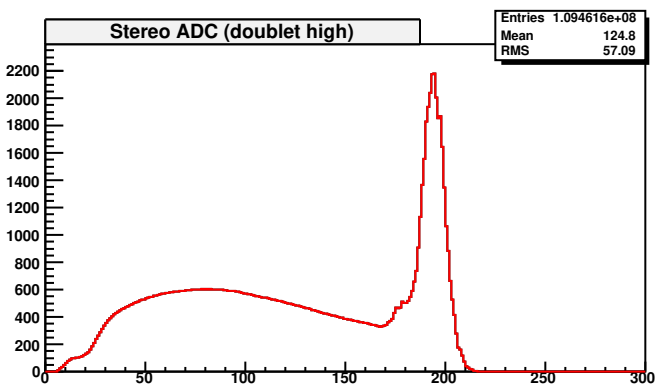




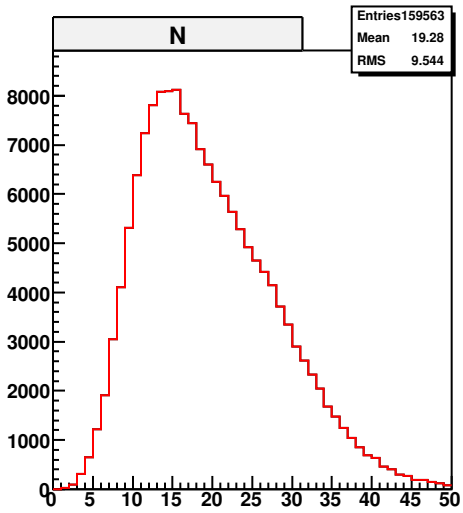


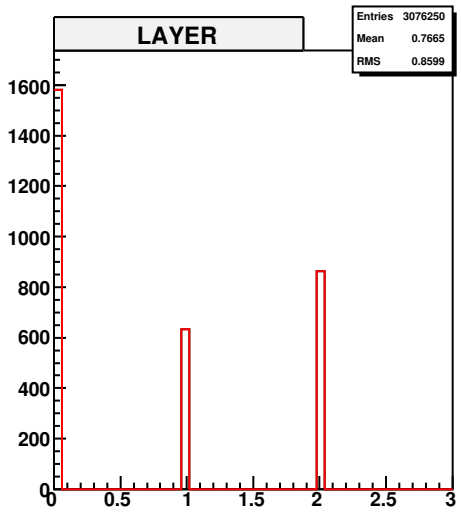


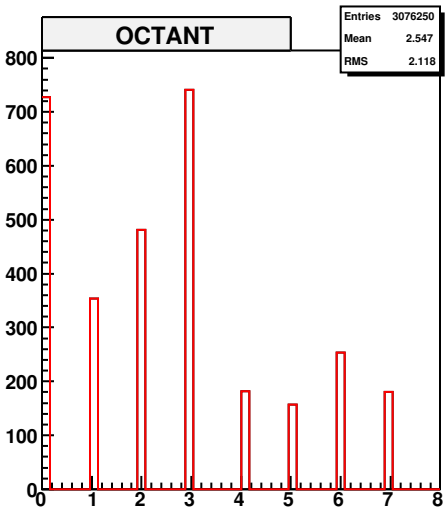


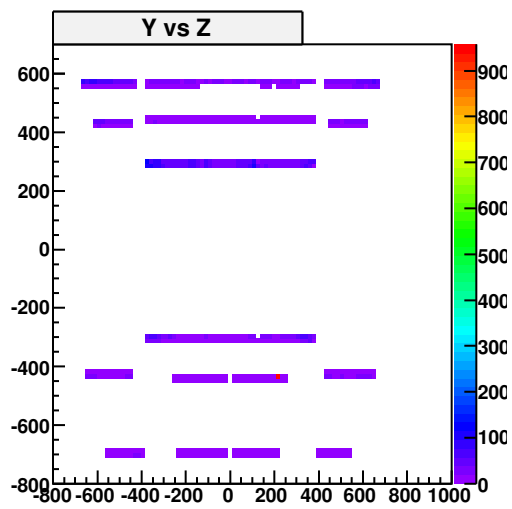


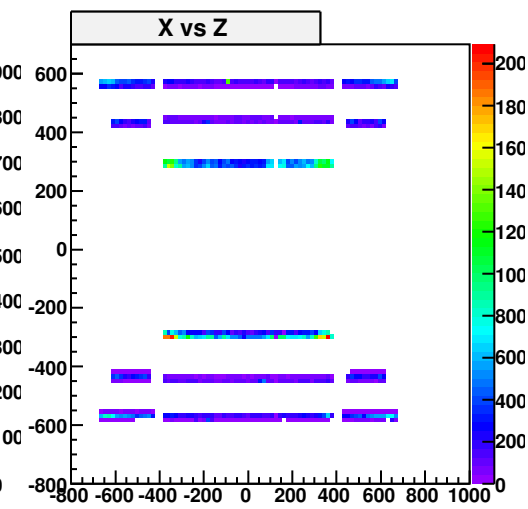
CFT ADC Summary (All Clusters)

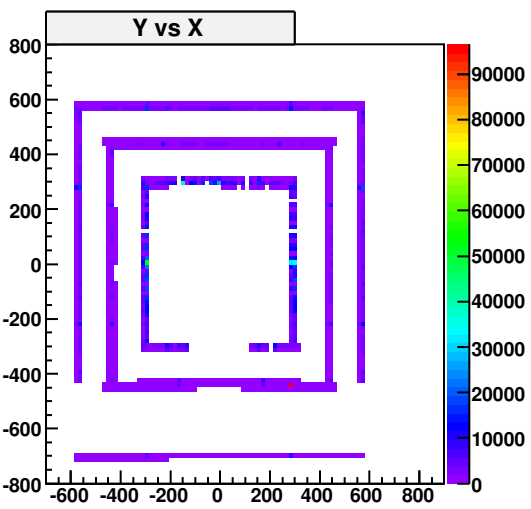

N
Entries 159563
Mean 19.28
RMS 9.544

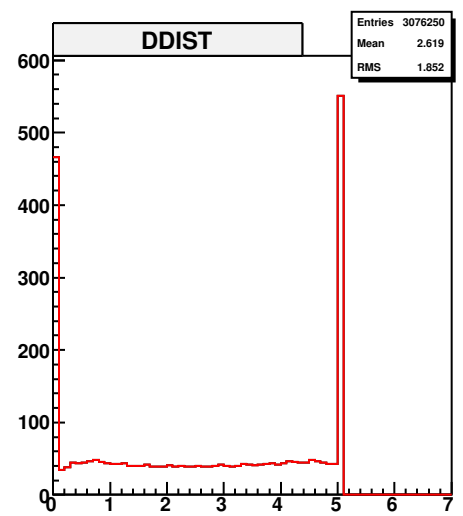

LAYER
Entries 3076250
Mean 0.7665
RMS 0.8599

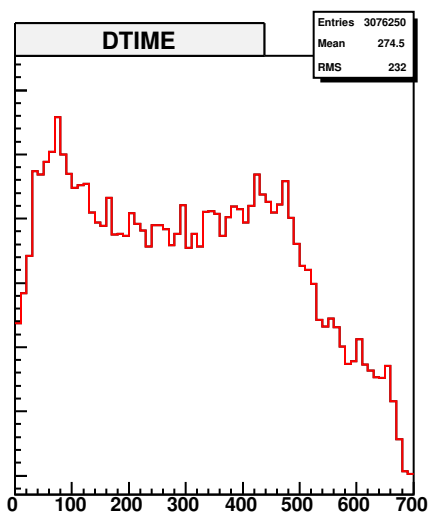

OCTANT
Entries 3076250
Mean 2.547
RMS 2.118


Y vs Z

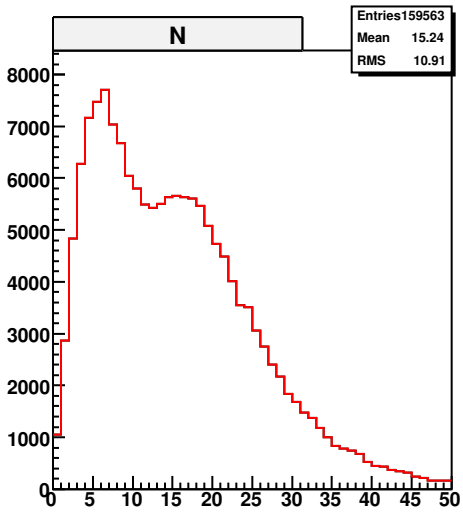

X vs Z

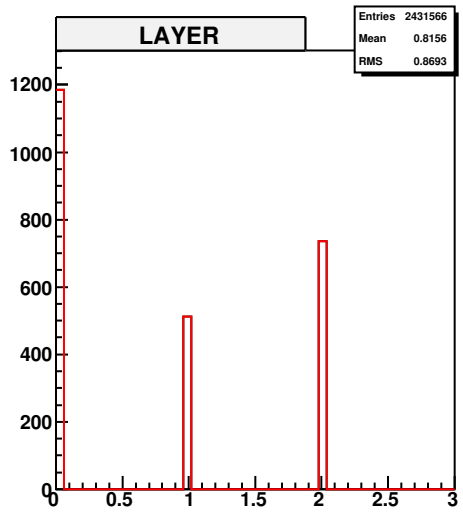

Y vs X

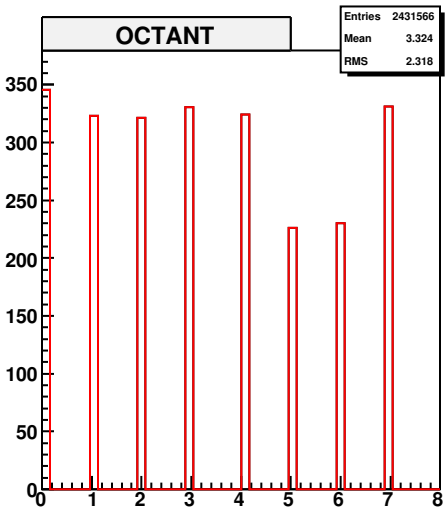

DDIST
Entries 3076250
Mean 2.619
RMS 1.852

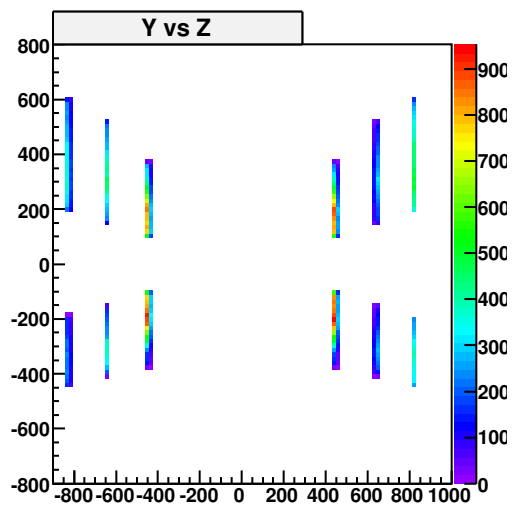

DTIME
Entries 3076250
Mean 274.5
RMS 232

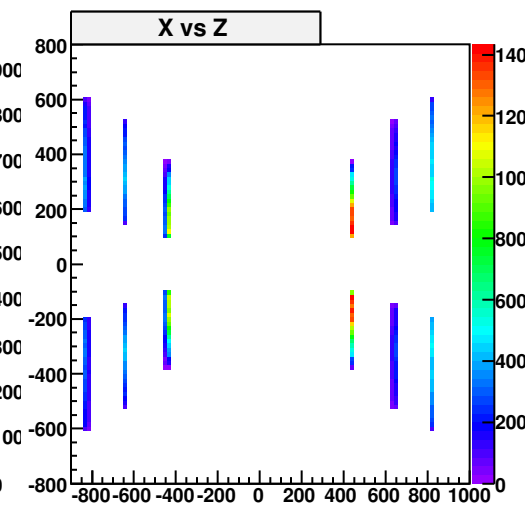
MuonPDT (All)

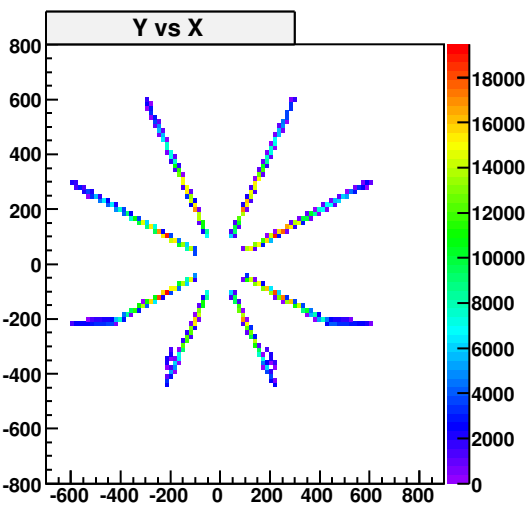

N
Entries 159563
Mean 15.24
RMS 10.91

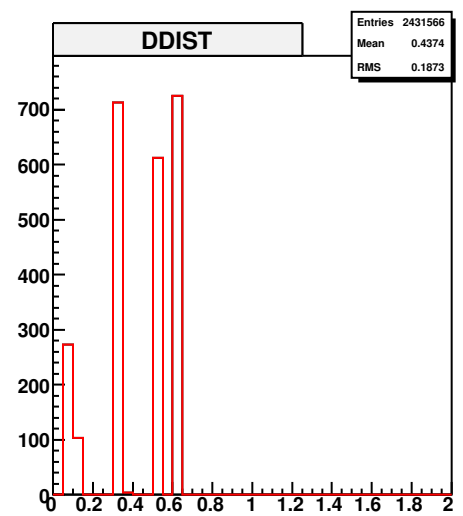

LAYER
Entries 2431566
Mean 0.8156
RMS 0.8693

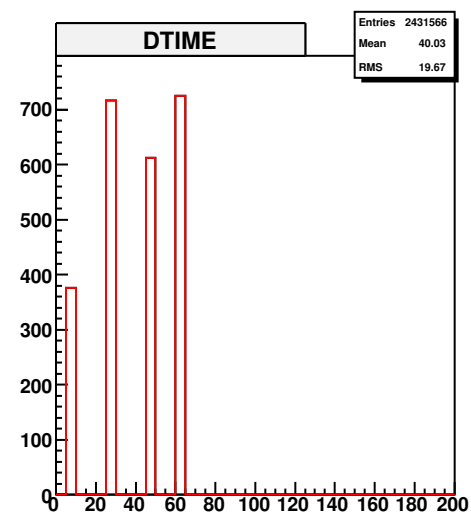

OCTANT
Entries 2431566
Mean 3.324
RMS 2.318


Y vs Z

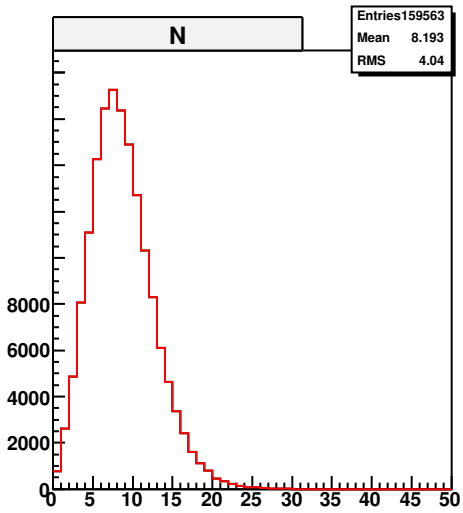

X vs Z

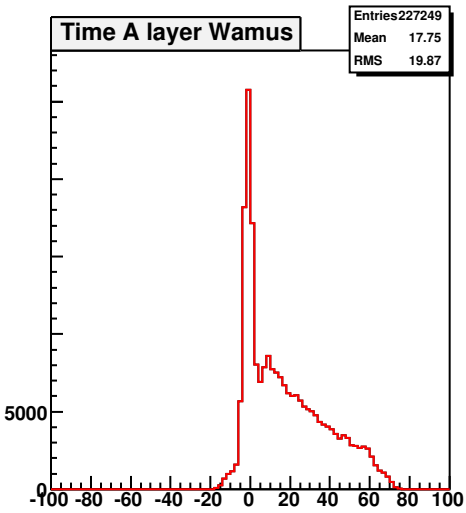

Y vs X

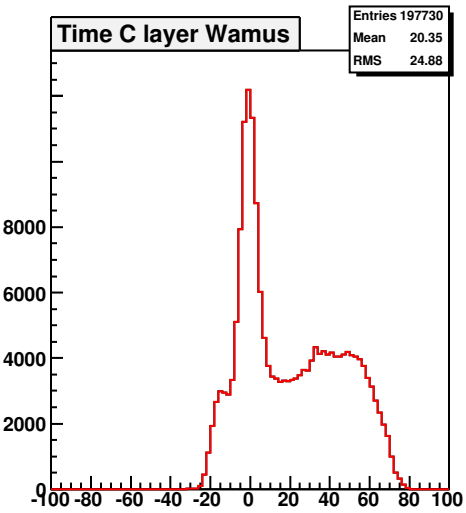

DDIST
Entries 2431566
Mean 0.4374
RMS 0.1873


DTIME
Entries 2431566
Mean 40.03
RMS 19.67

MuonMDT (All)


N
Entries159563
Mean 8.193
RMS 4.04


Time A layer Wamus
Entries227249
Mean 17.75
RMS 19.87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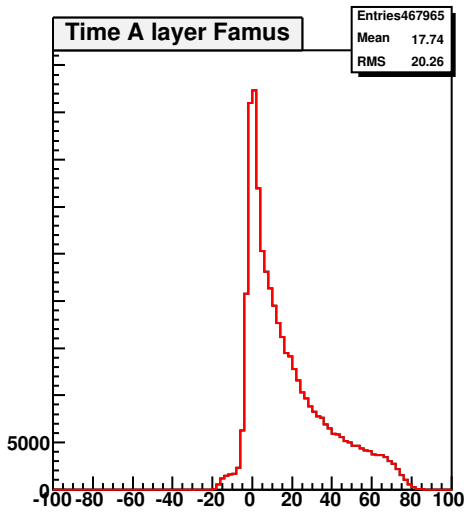
Mean 20.35
RMS 24.88


Time A layer Famus
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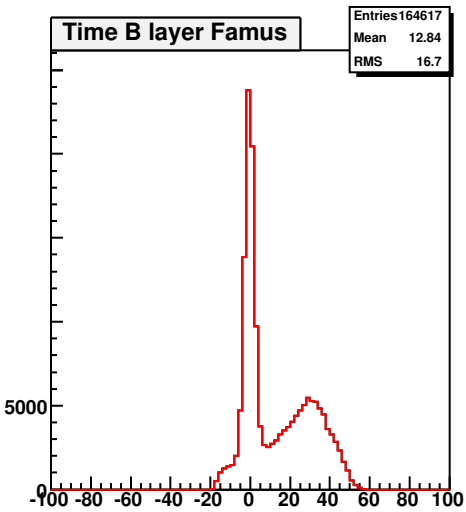
Mean 17.74
RMS 20.26


Time B layer Famus
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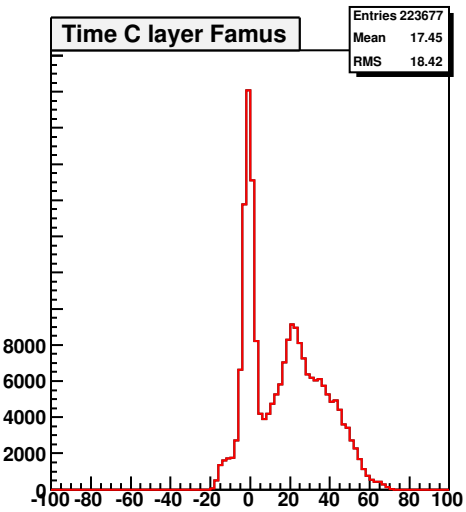
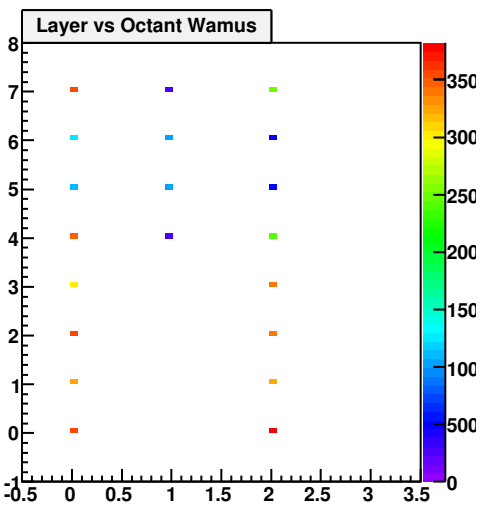
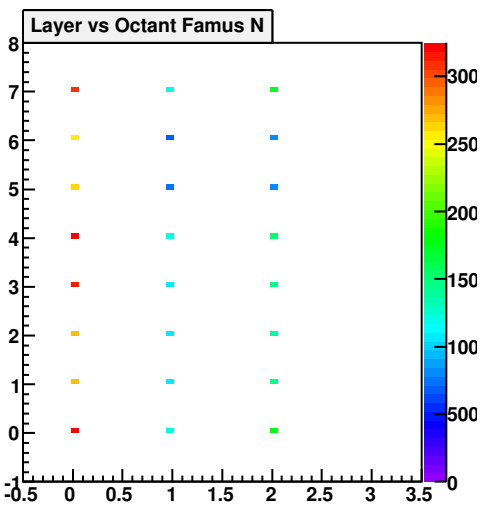
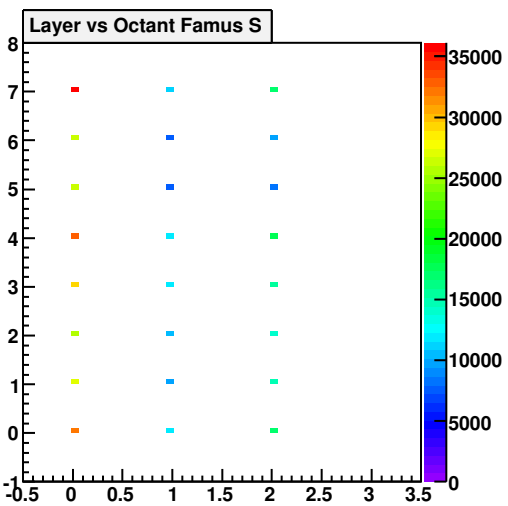
Mean 12.84
RMS 16.7

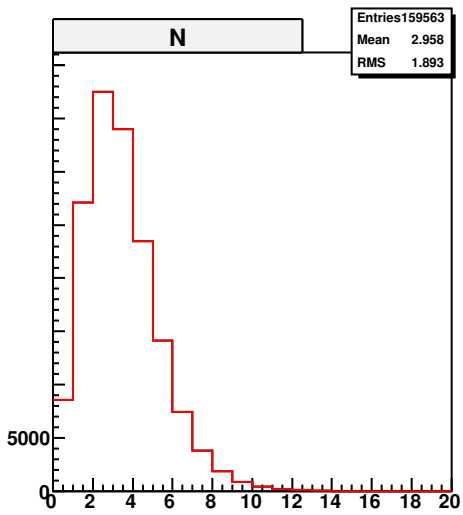

Time C layer Famus
Entries 223677
Mean 17.45
RMS 18.42

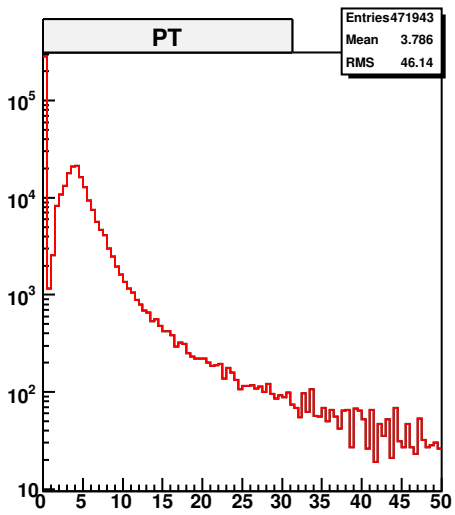

Layer vs Octant Wamus

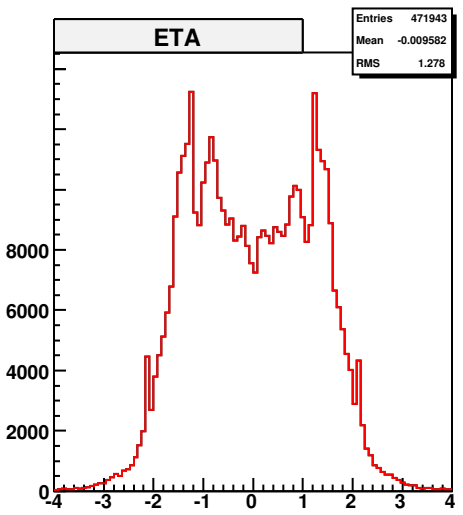

Layer vs Octant Famus N

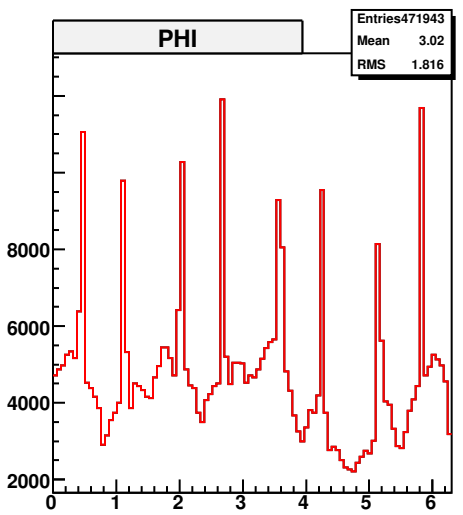

Layer vs Octant Famus S

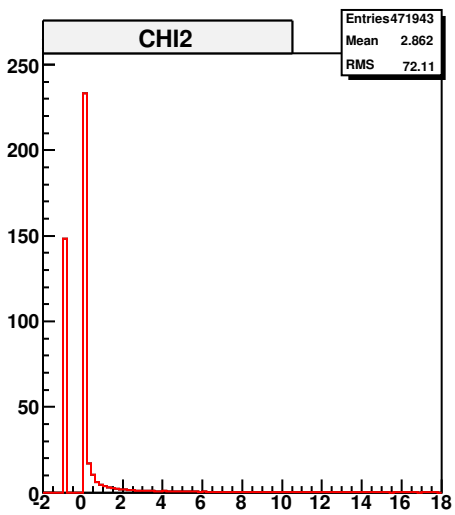
MuonMSC (All)

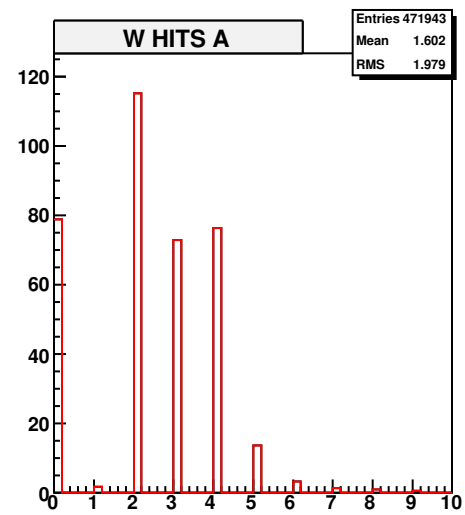


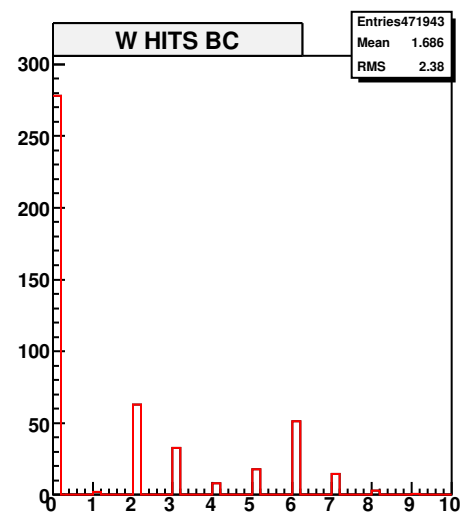


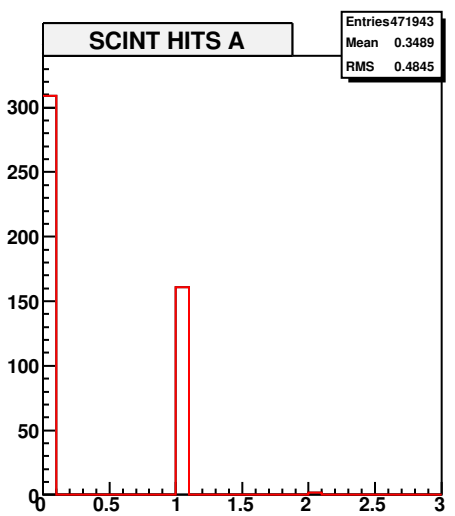


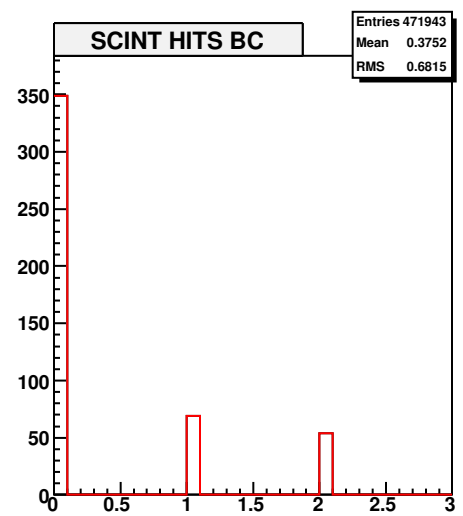




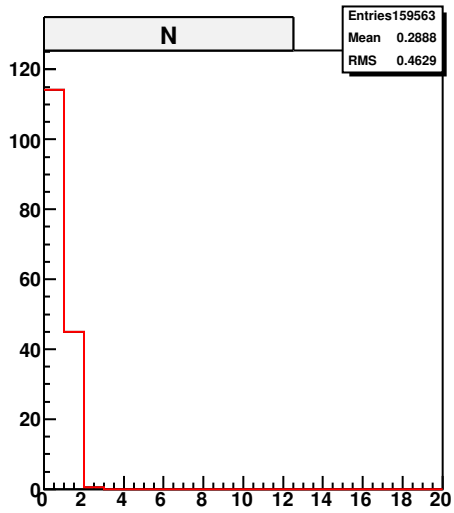


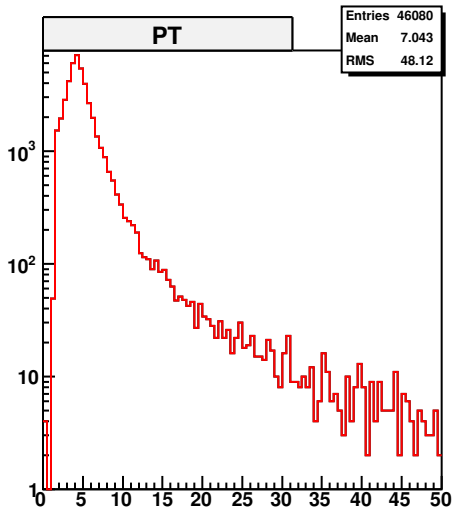


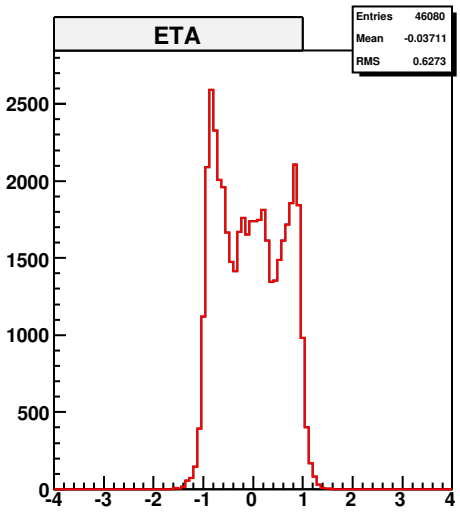


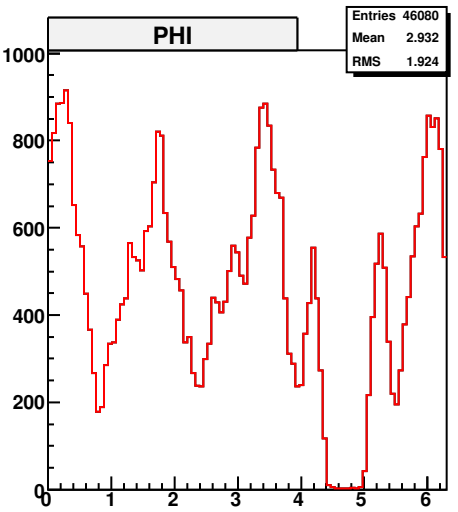


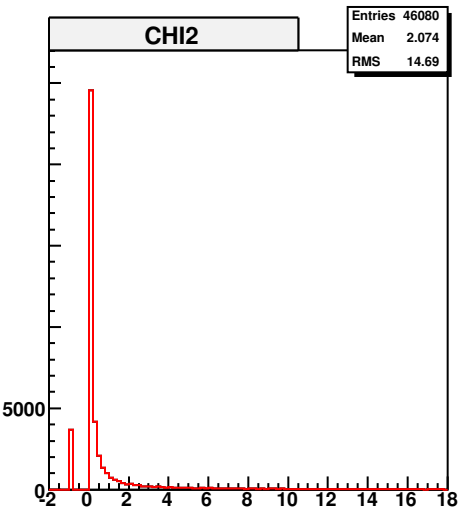
Muon Local Tracks (All)

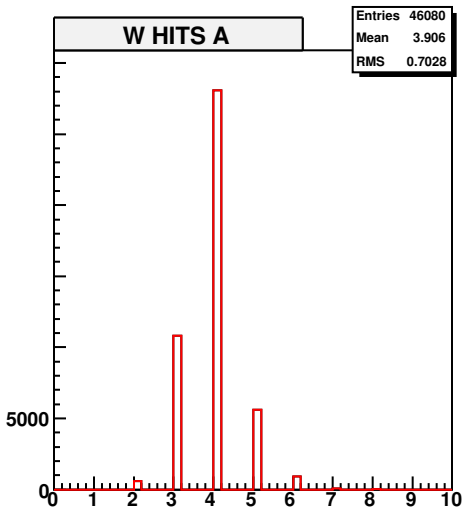


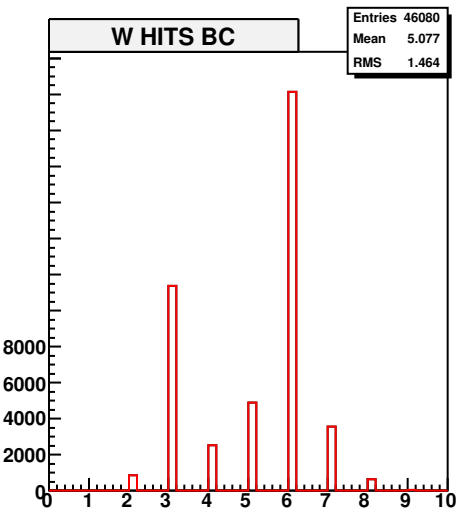


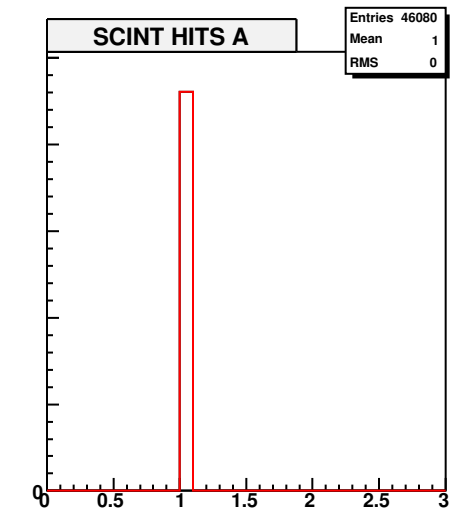


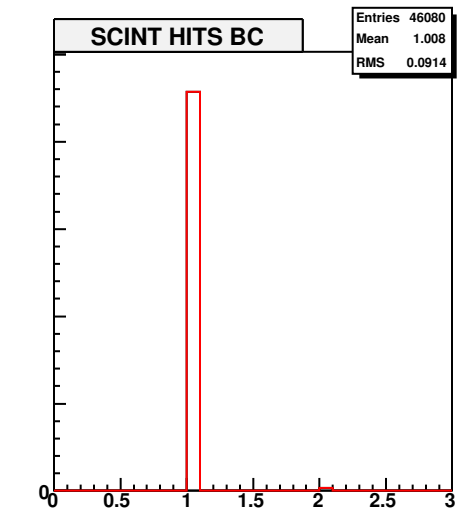




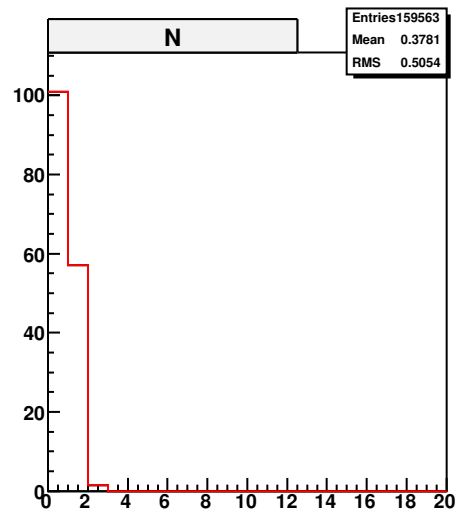


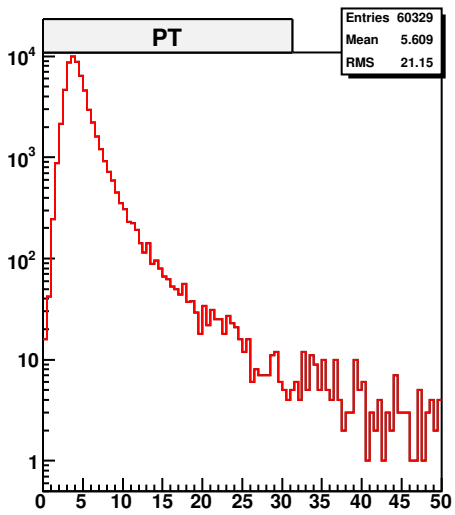


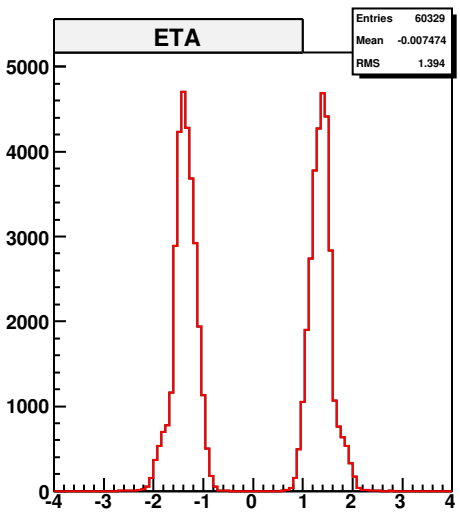


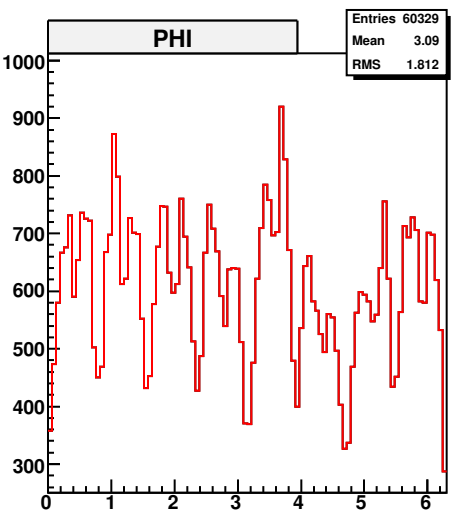


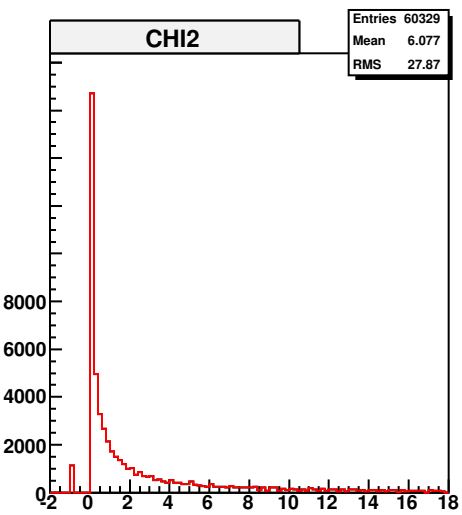
Muon Local Tracks (MediumWamus)

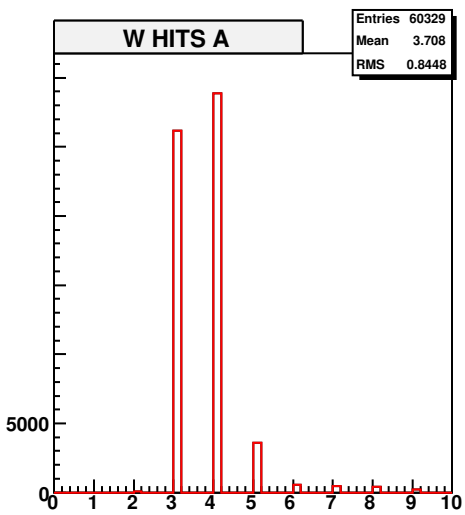


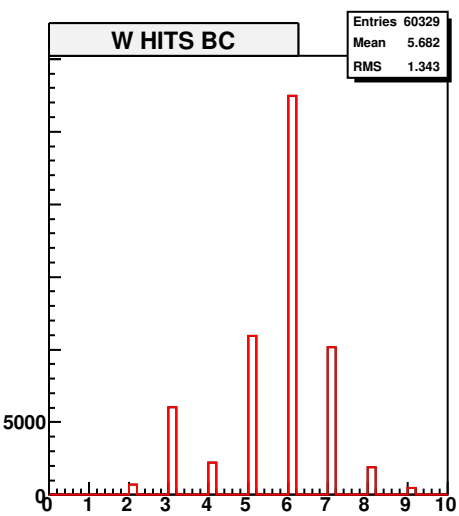


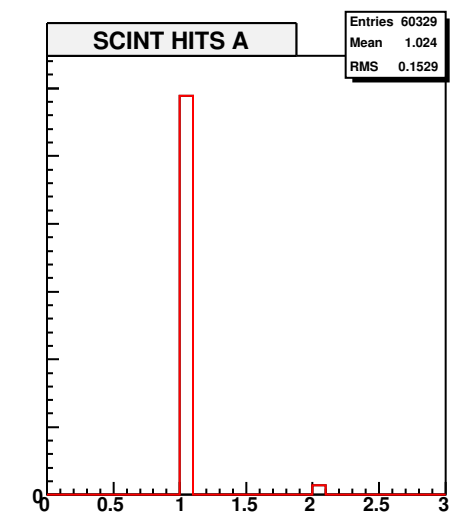


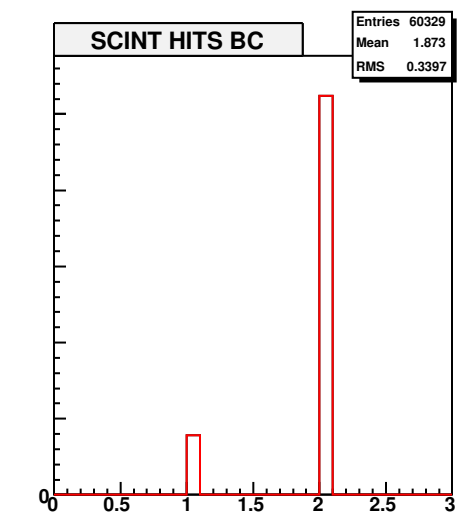




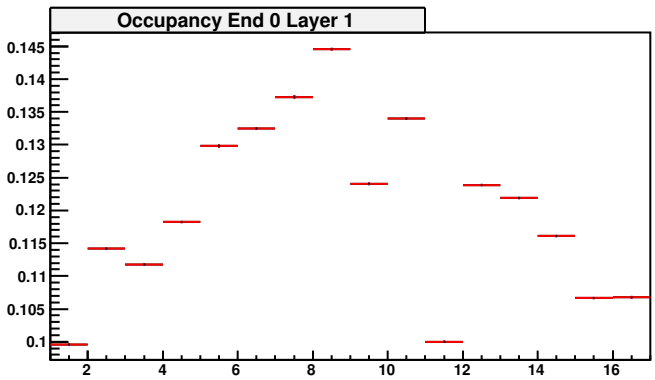


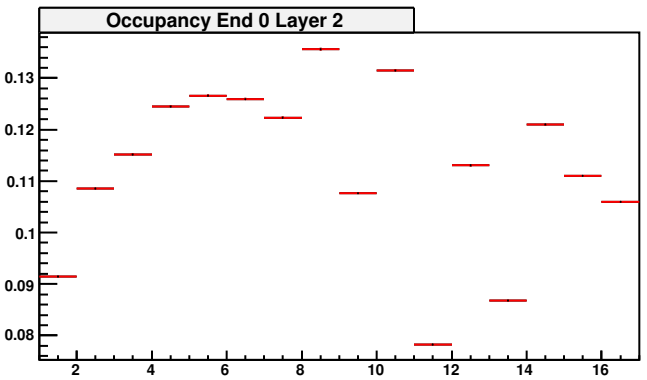


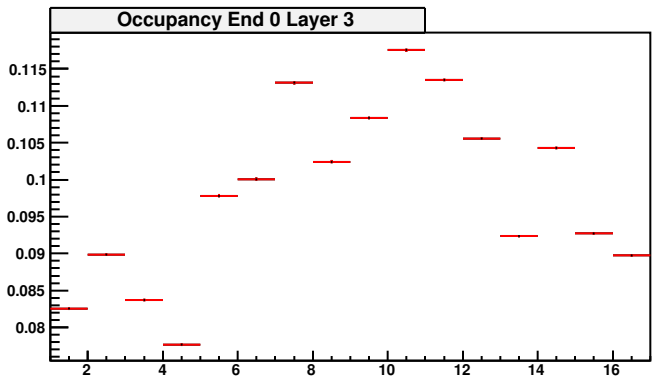


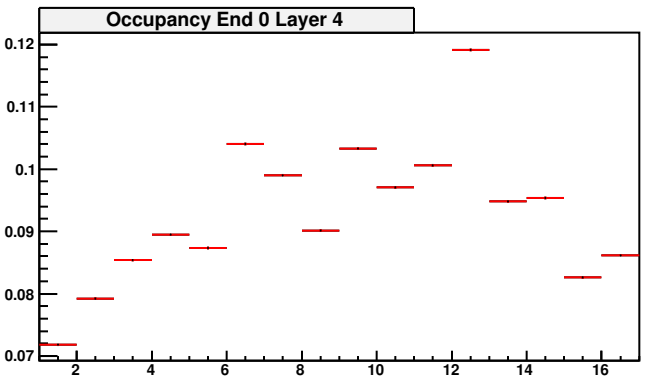


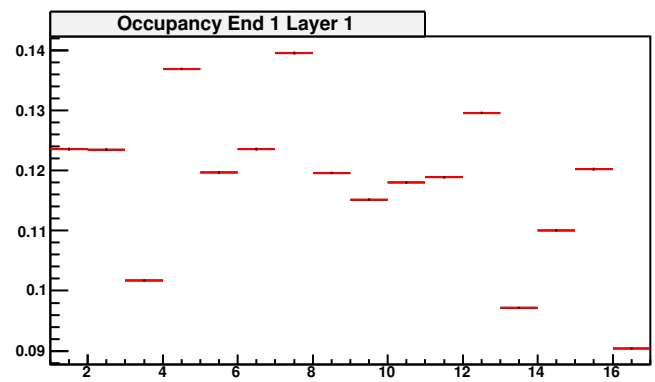
Muon Local Tracks (MediumFamus)

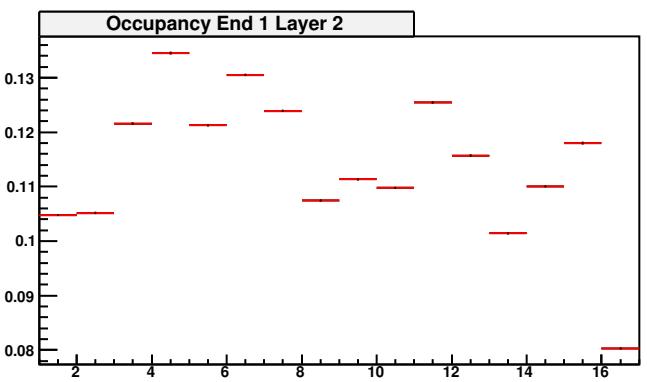


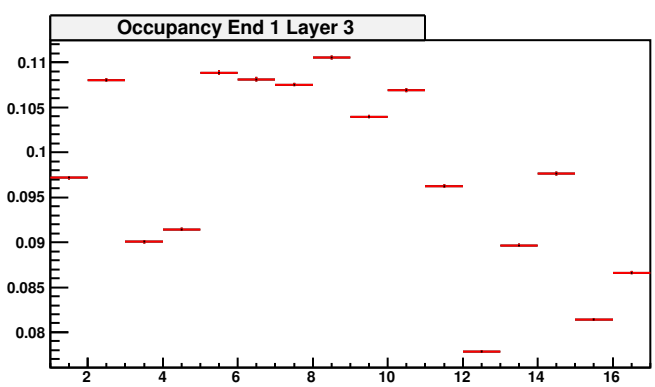


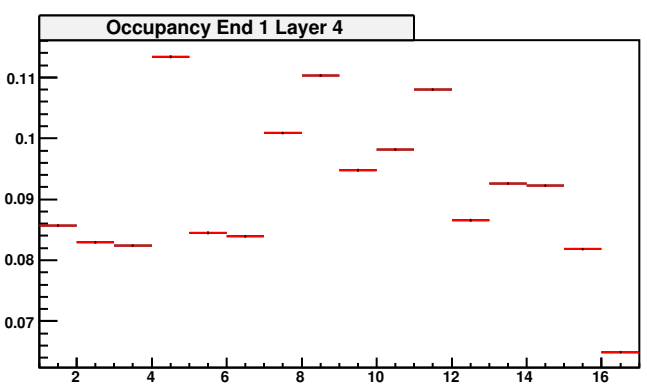




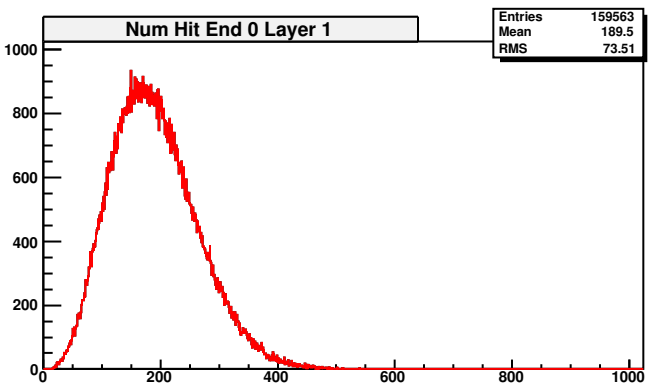


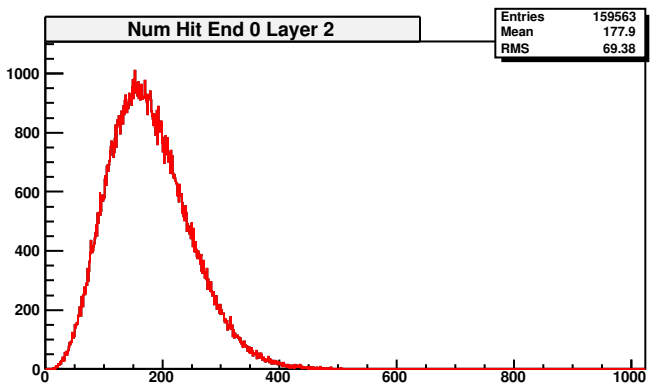


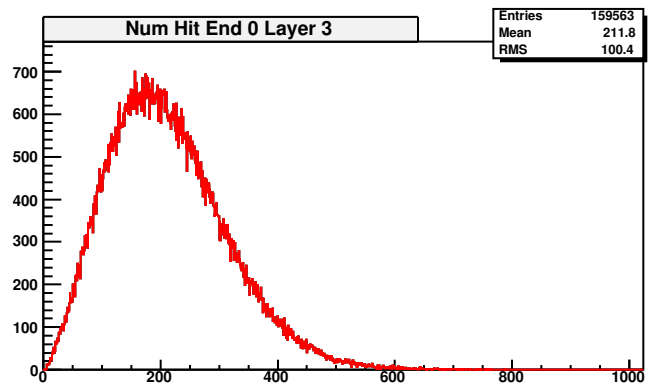


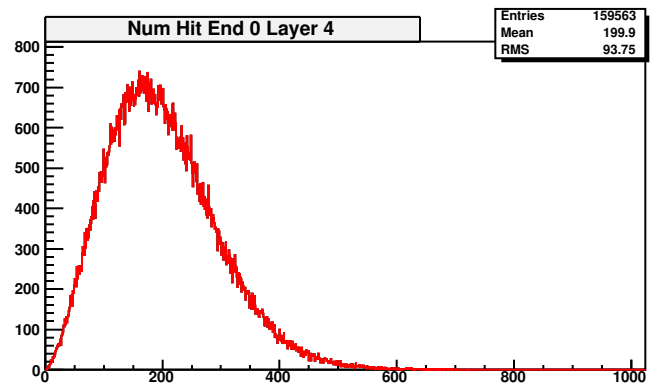


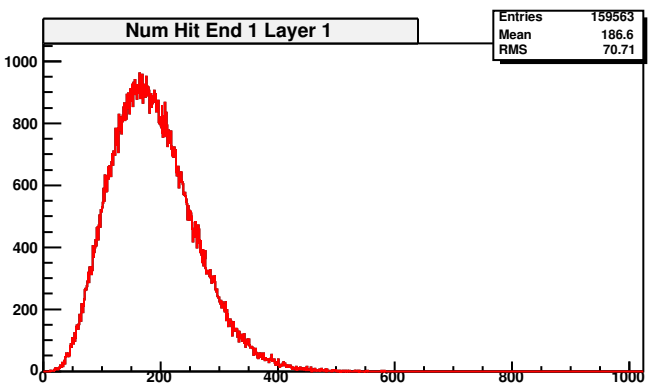
FPS Hit Occupancy (All)

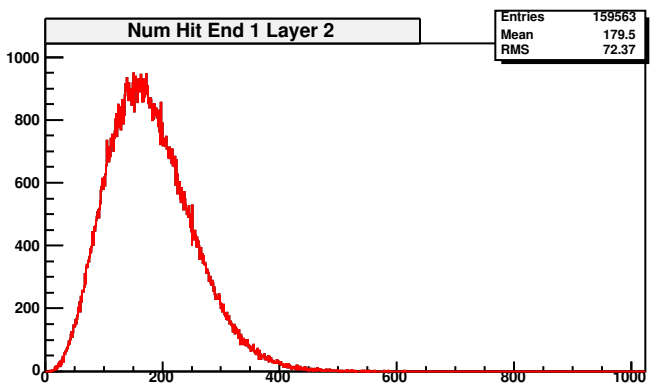


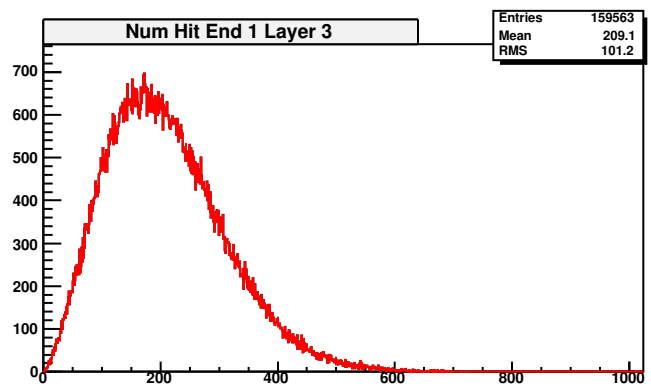


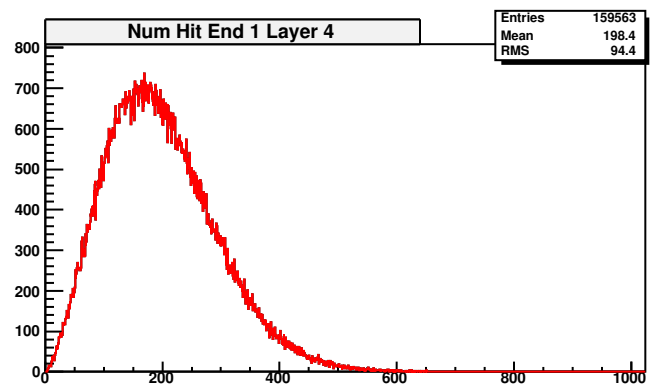




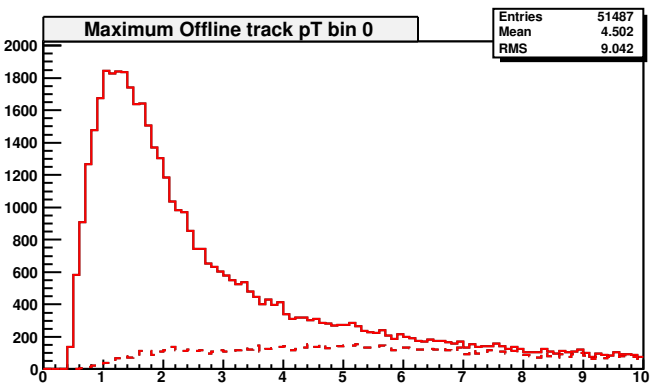


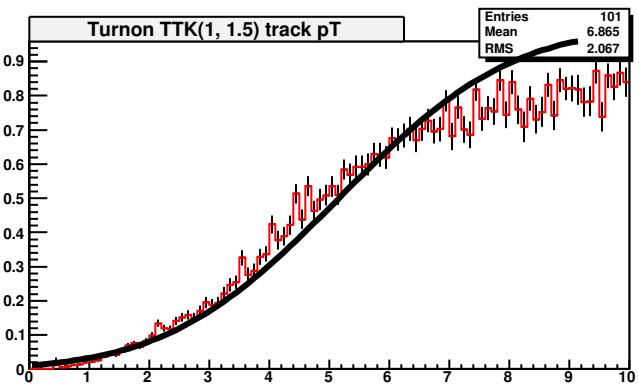


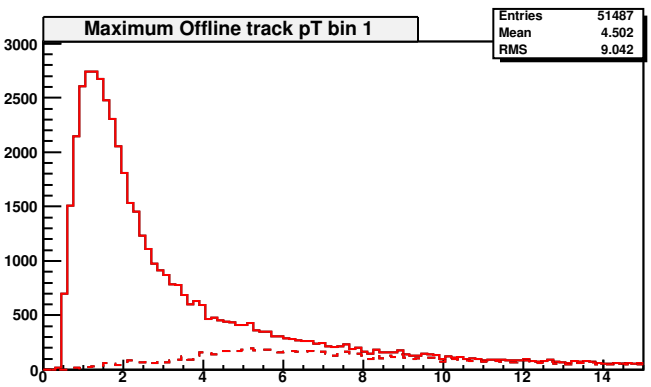


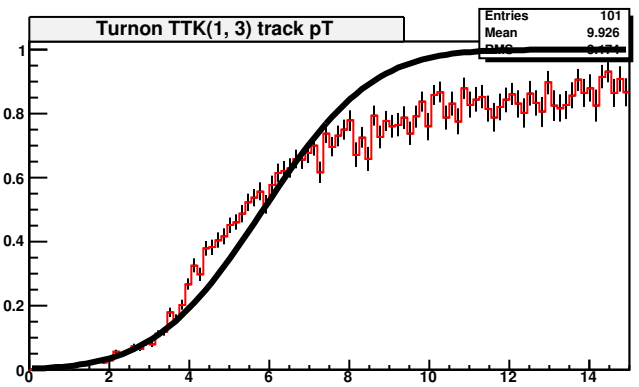


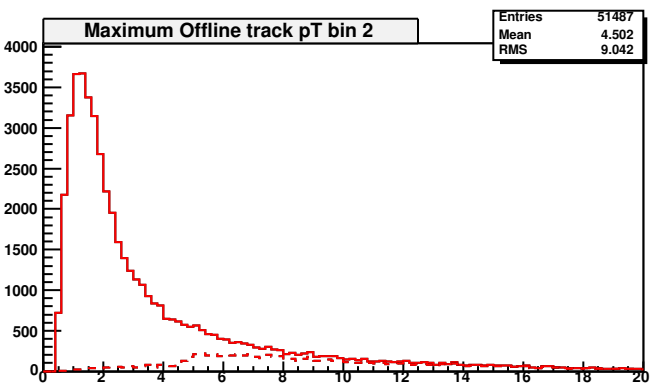
FPS Number of Hits (All)

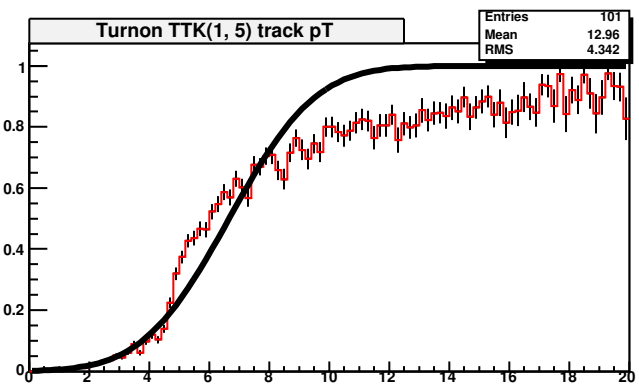


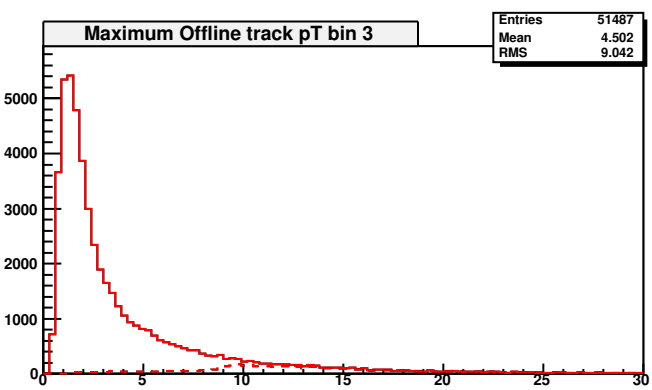


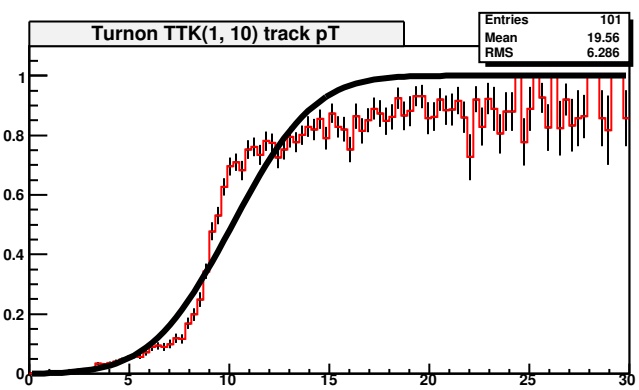




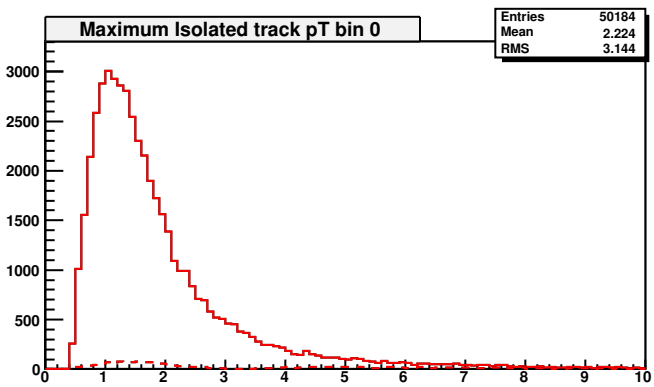


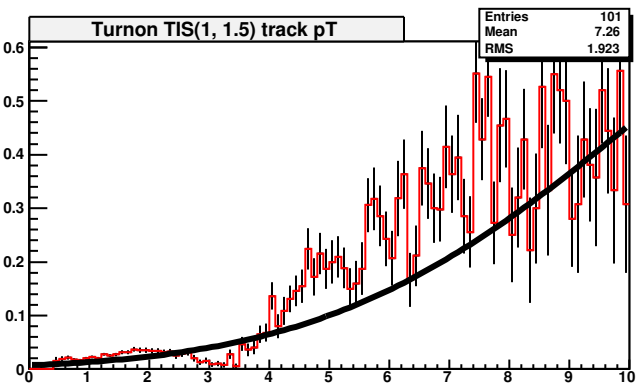


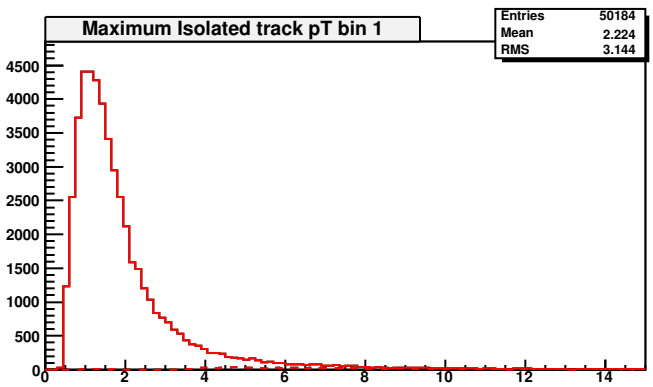


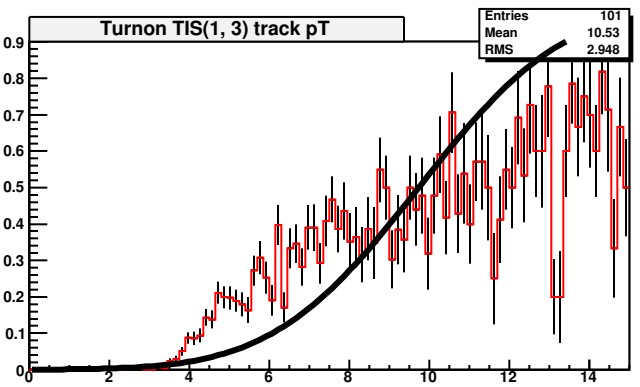


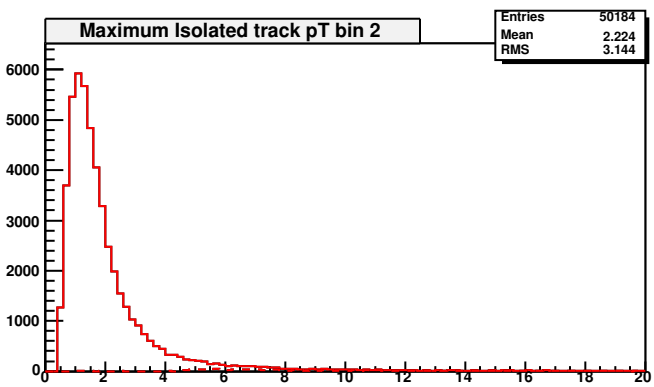
TTK Turnon curves (L1CTT All)

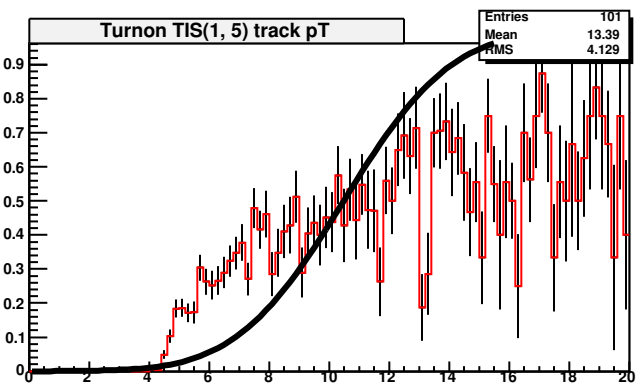


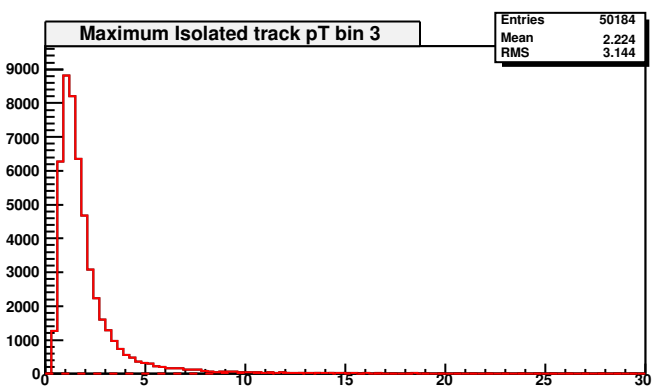


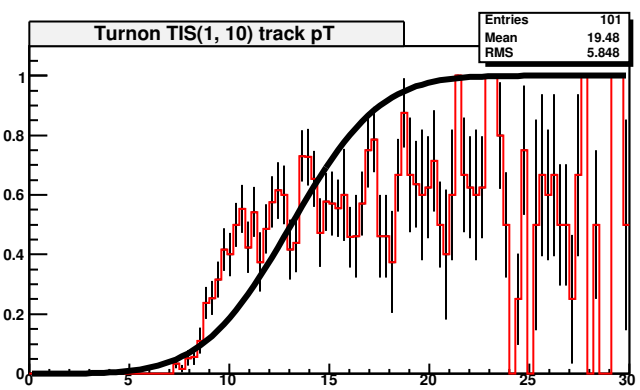




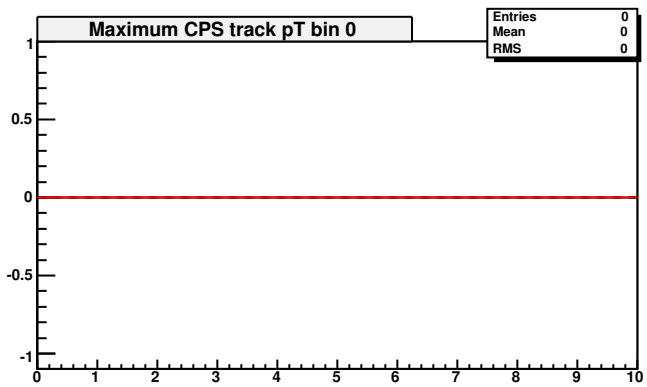


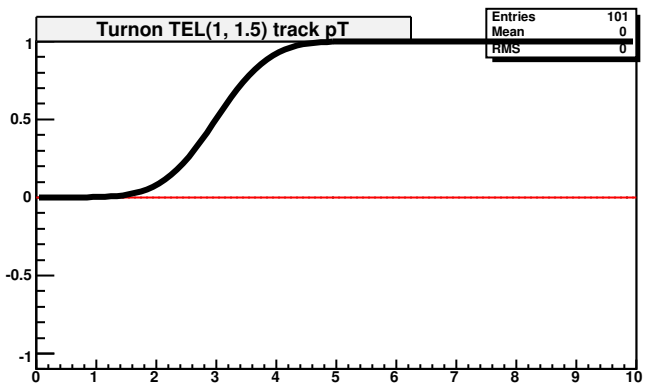


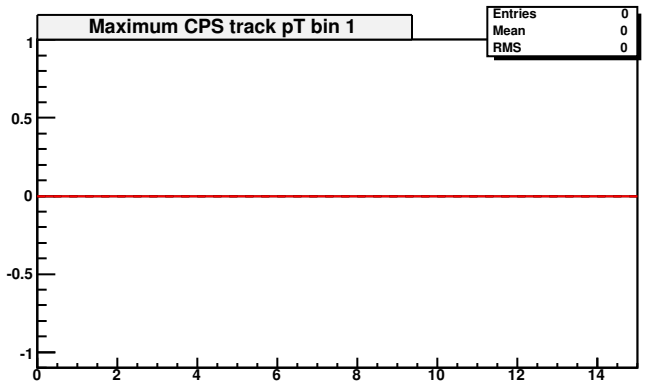


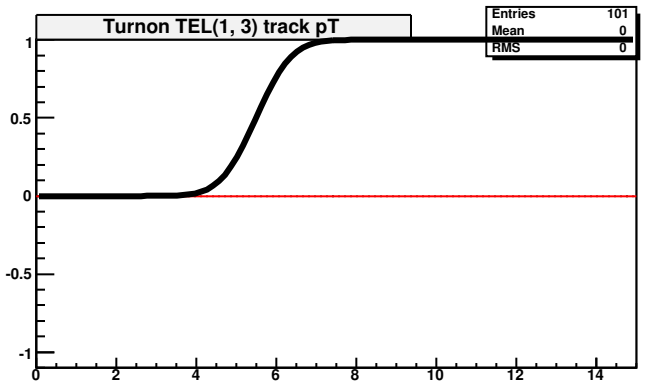


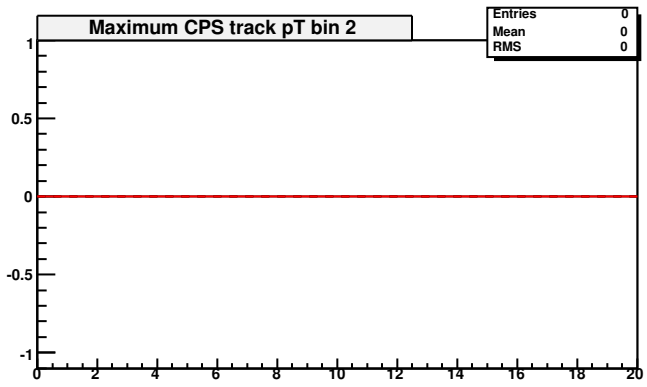
TIS Turnon curves (L1CTT All)

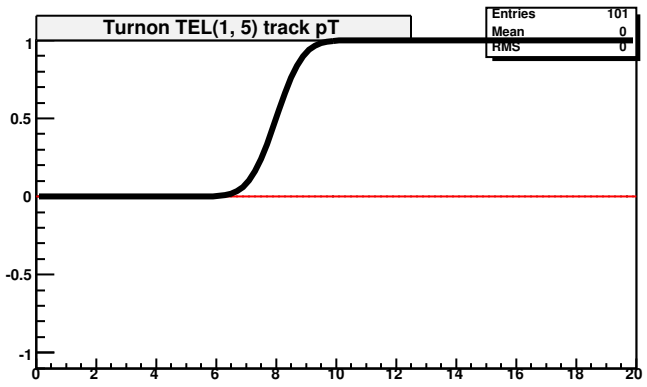


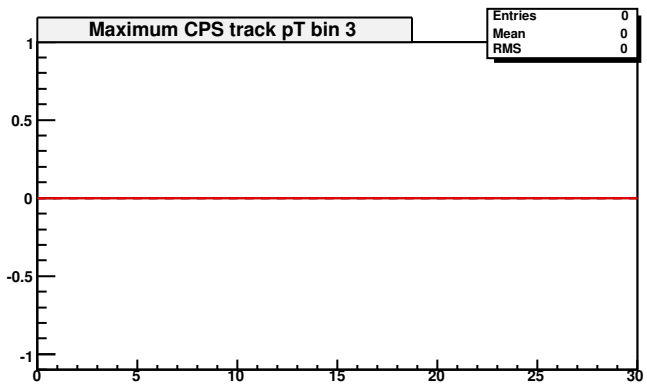


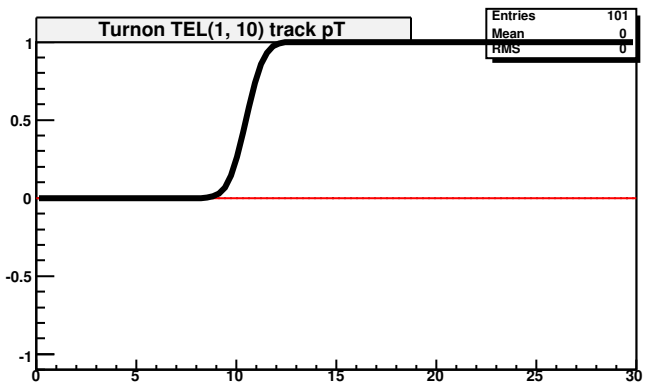




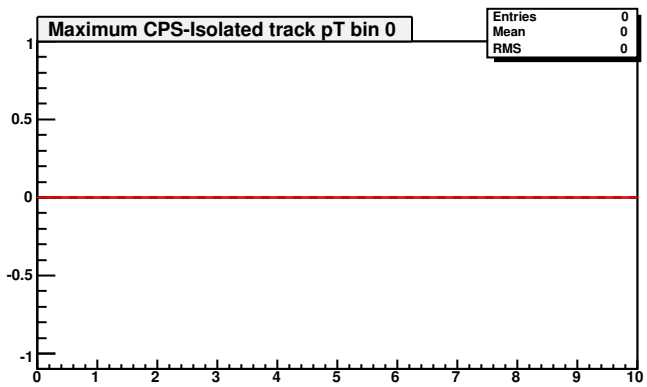


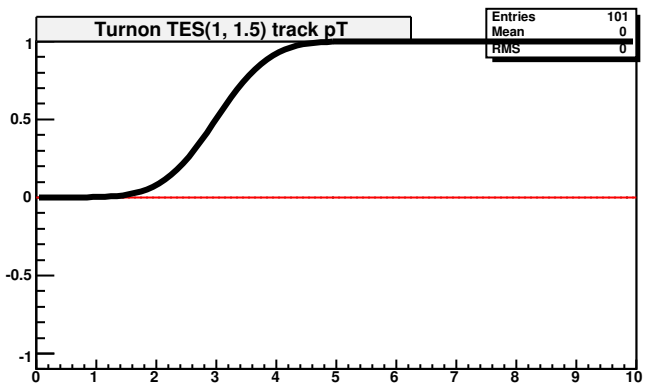


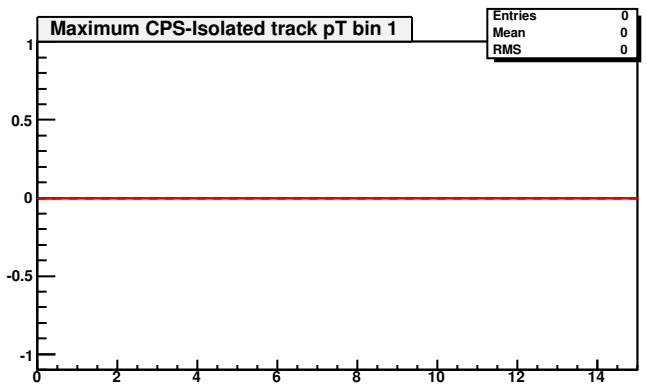


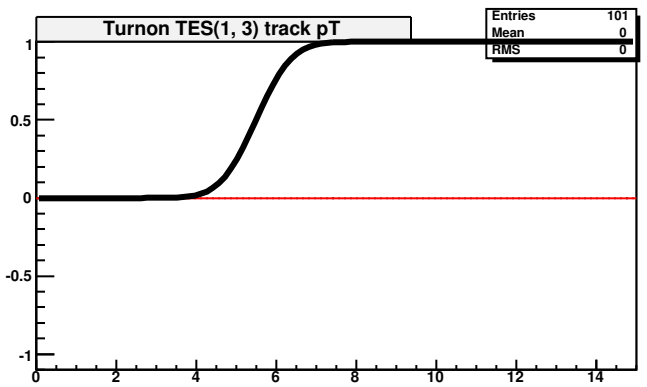


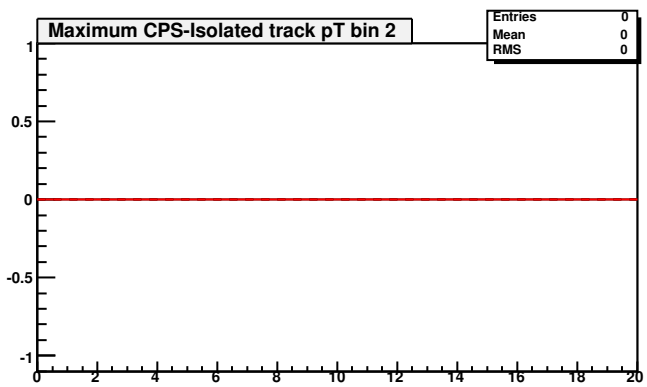
TEL Turnon curves (L1CTT All)

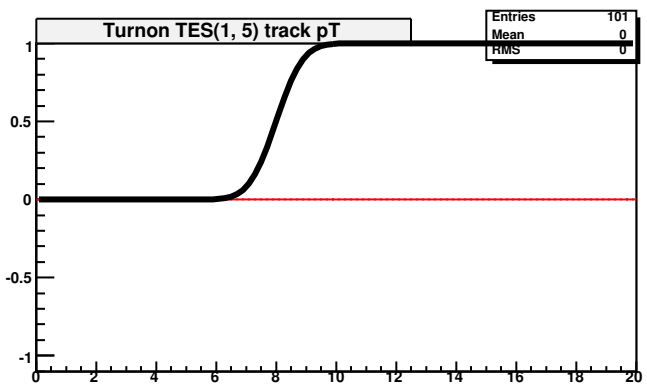


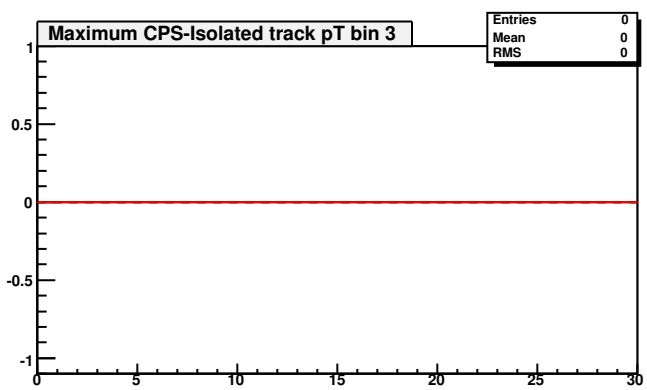


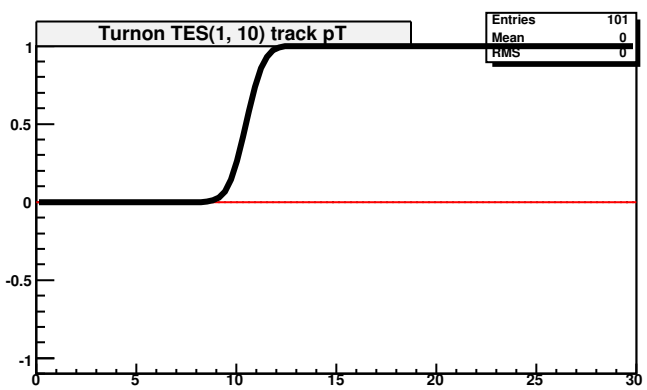




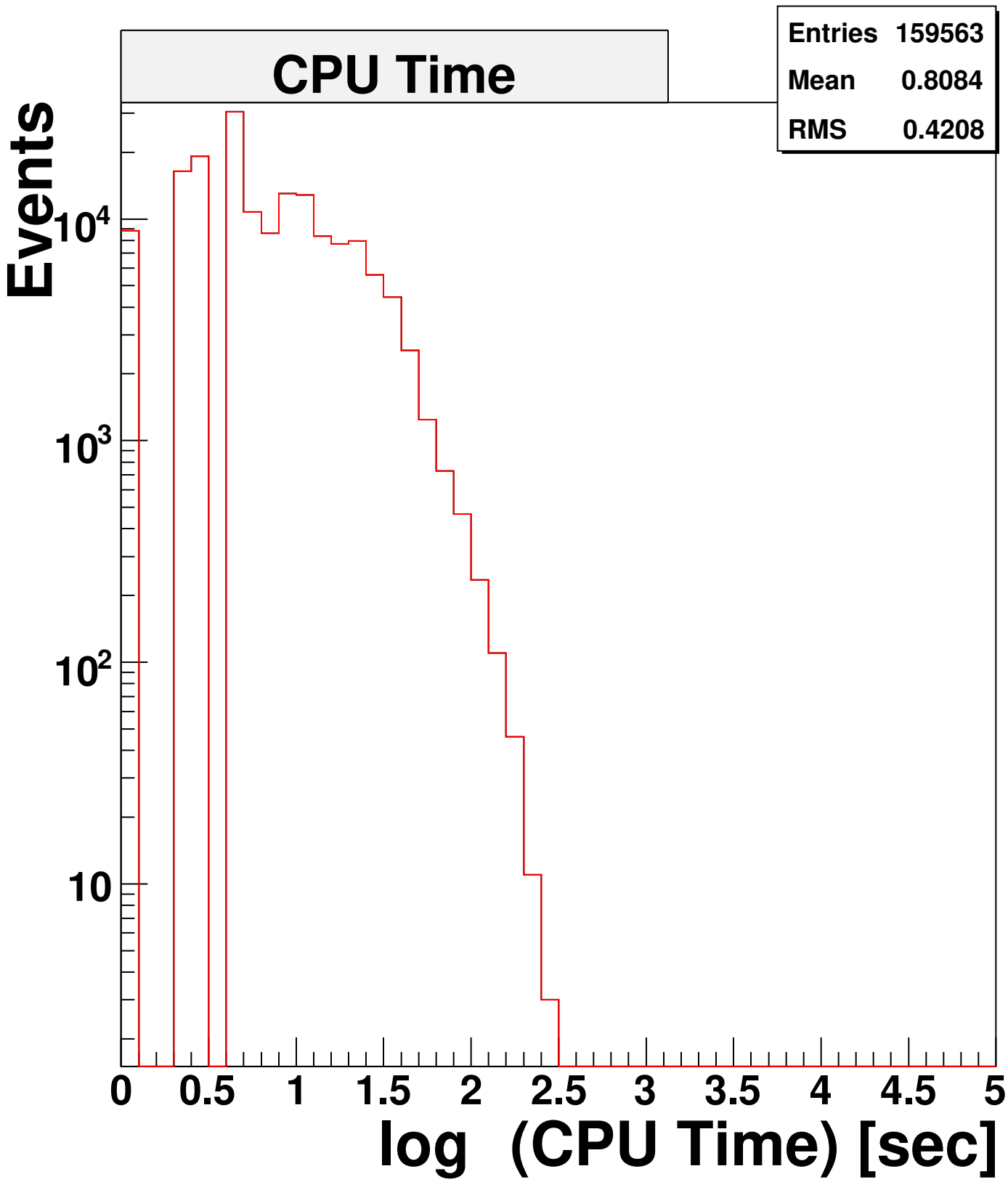








TES Turnon curves (L1CTT All)



RECO Performance (Timing)