dayset-2006-08-25-all_2-224584-0_certification_20070
../unmerged/dayset-2006-08-25-all_2-224584-0_certific

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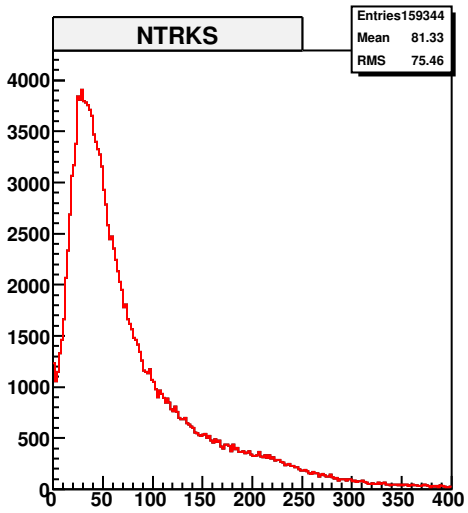
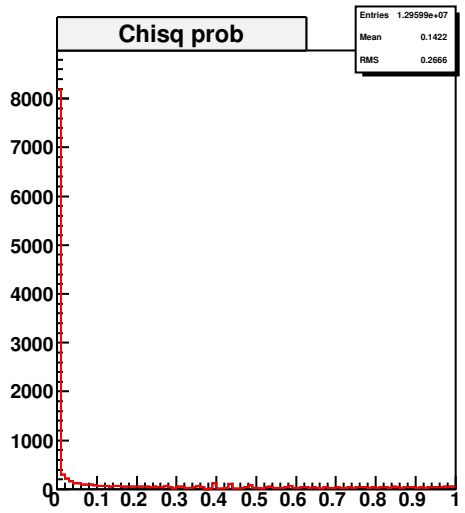
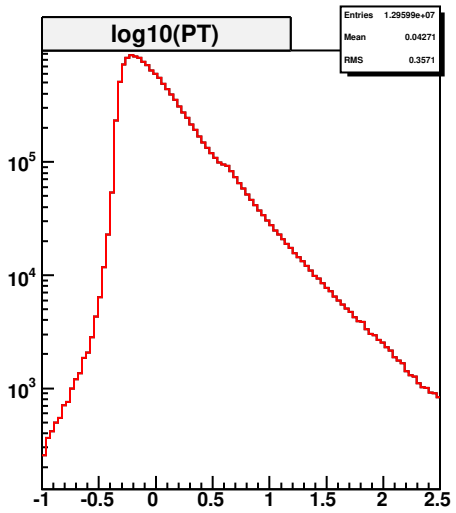
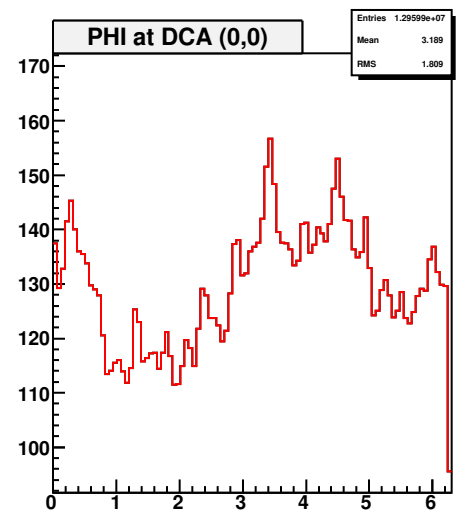
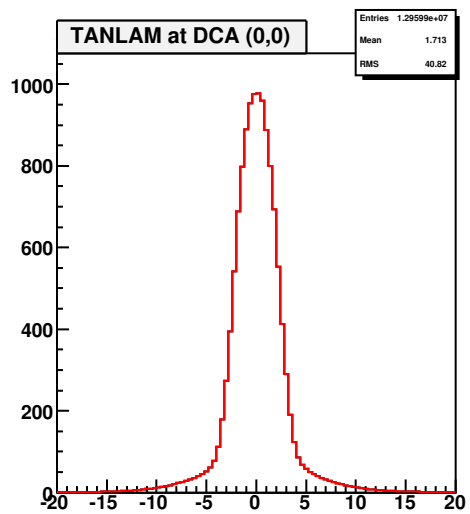
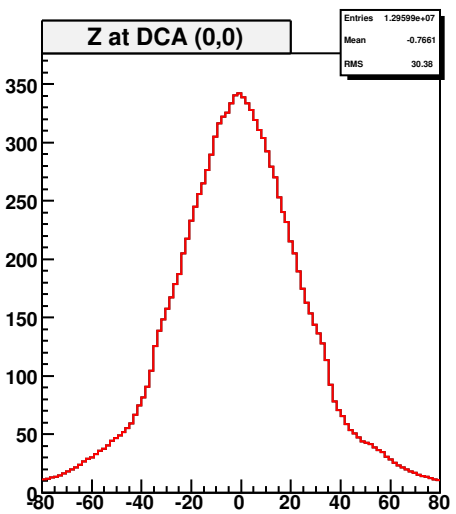

NTRKS
Entries 159344
Mean 81.33
RMS 75.46

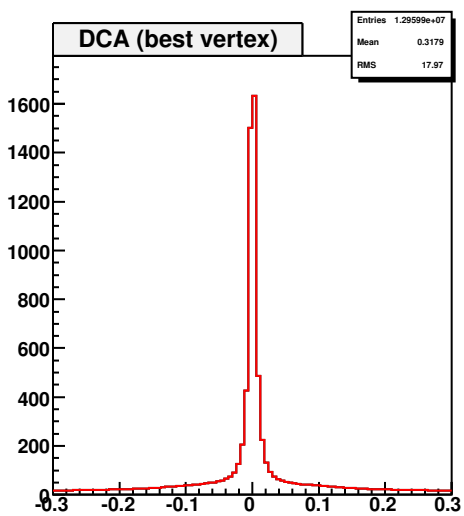

Chisq prob
Entries 1.29599e+07
Mean 0.1422
RMS 0.2666

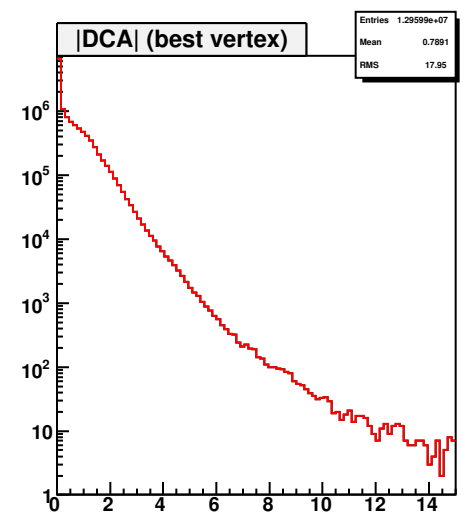

log10(PT)
Entries 1.29599e+07
Mean 0.04271
RMS 0.3571

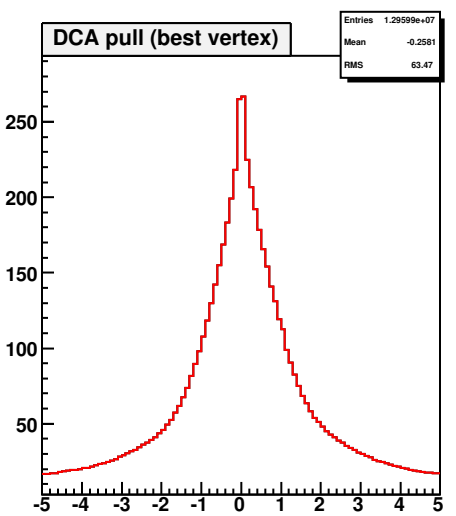

PHI at DCA (0,0)
Entries 1.29599e+07
Mean 3.189
RMS 1.809


TANLAM at DCA (0,0)
Entries 1.29599e+07
Mean 1.713
RMS 40.82

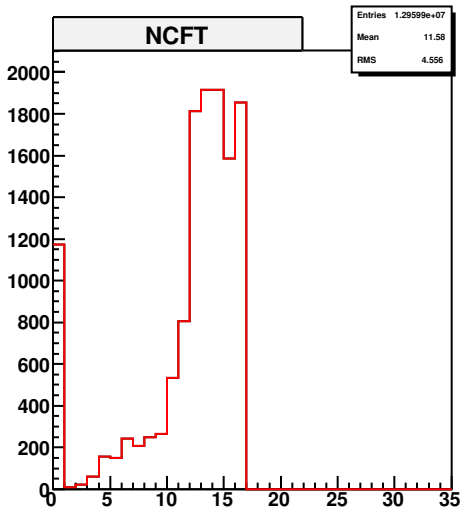

Z at DCA (0,0)
Entries 1.29599e+07
Mean -0.7661
RMS 30.38

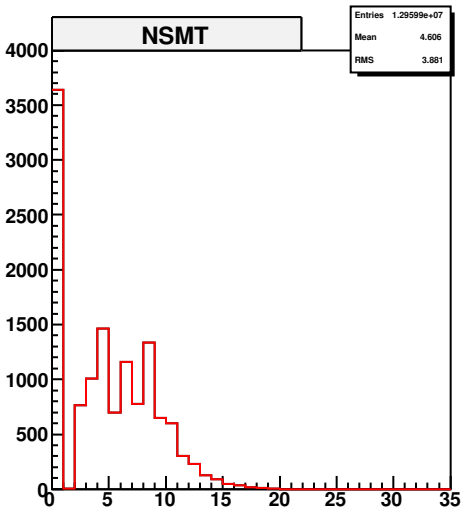

DCA (best vertex)
Entries 1.29599e+07
Mean 0.3179
RMS 17.97

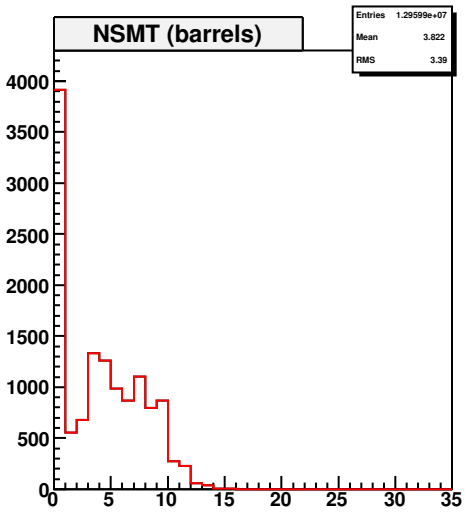

|DCA| (best vertex)
Entries 1.29599e+07
Mean 0.7891
RMS 17.95

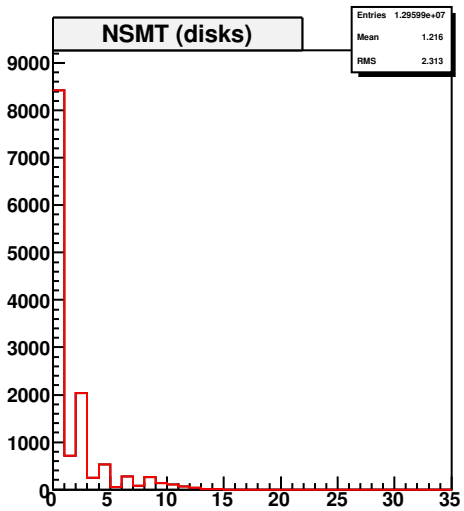

DCA pull (best vertex)
Entries 1.29599e+07
Mean -0.2581
RMS 63.47

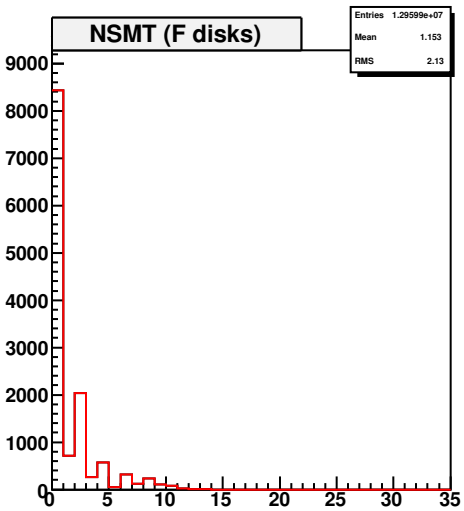
Tracks (All)

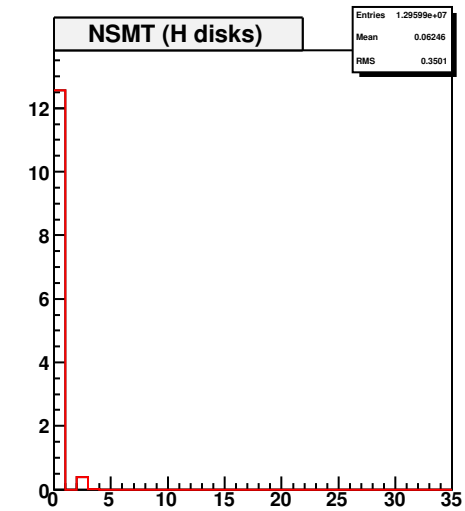


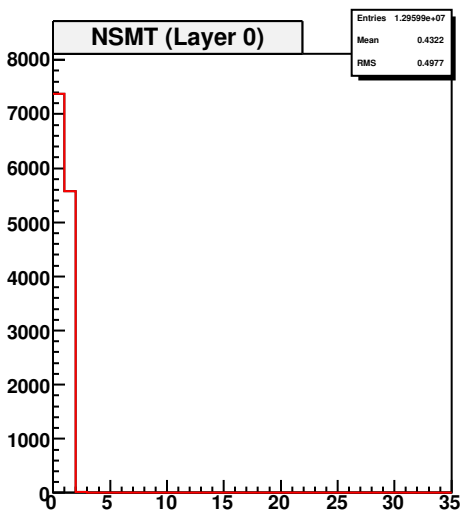




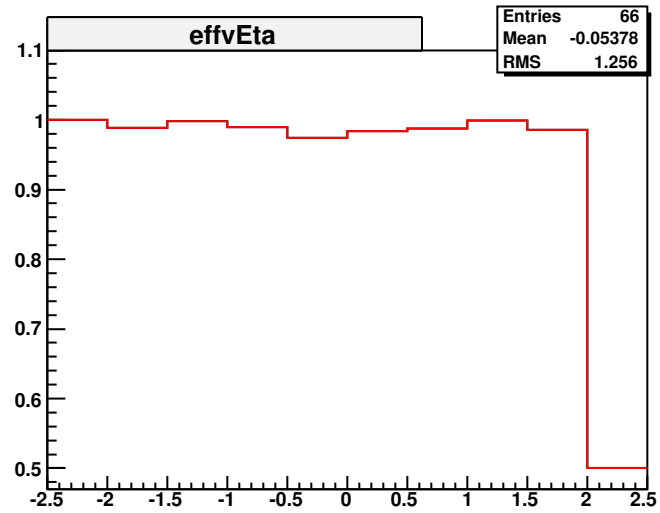


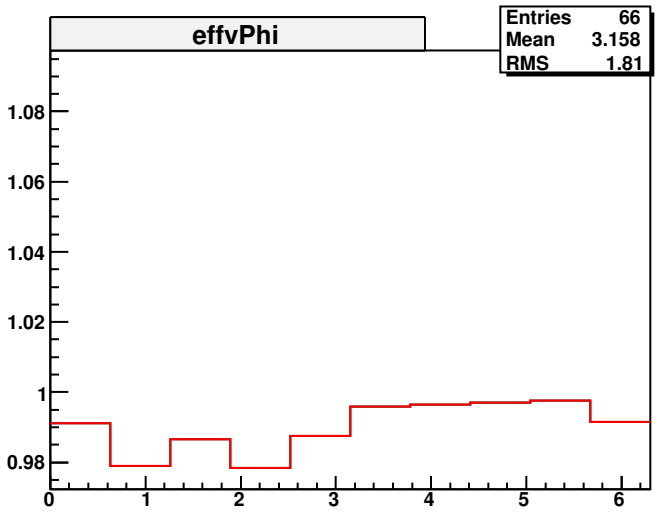


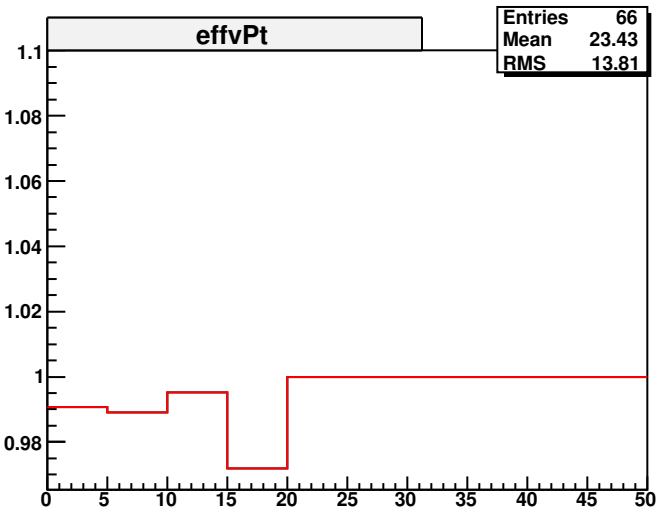


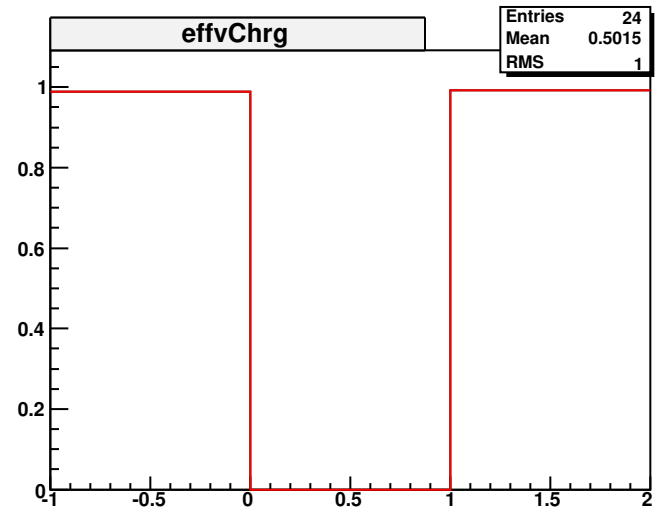


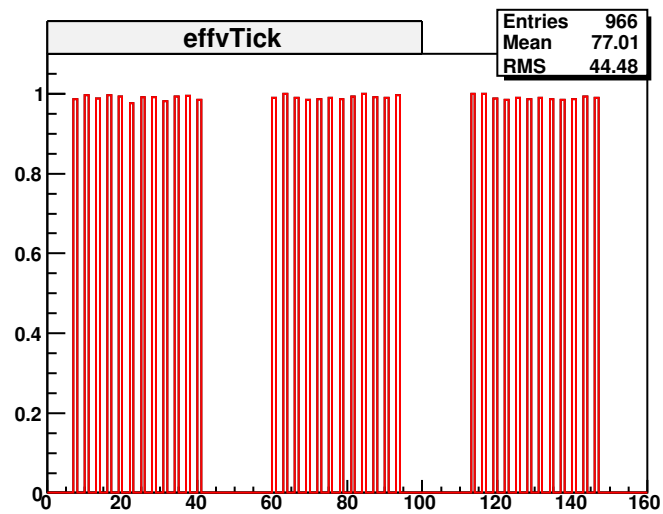
Track Hits (All)

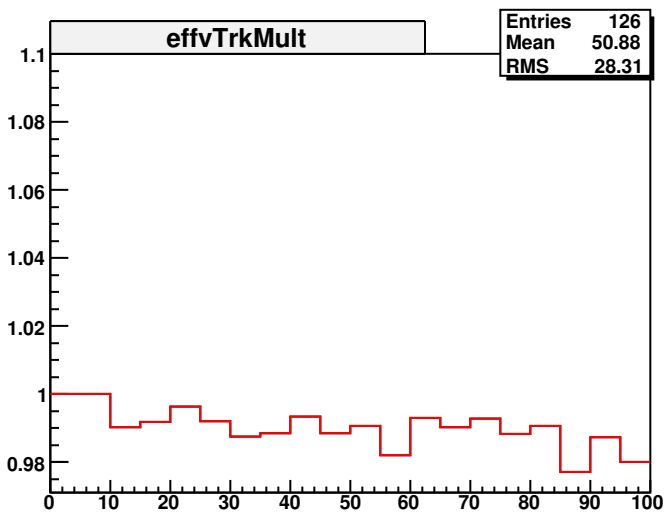




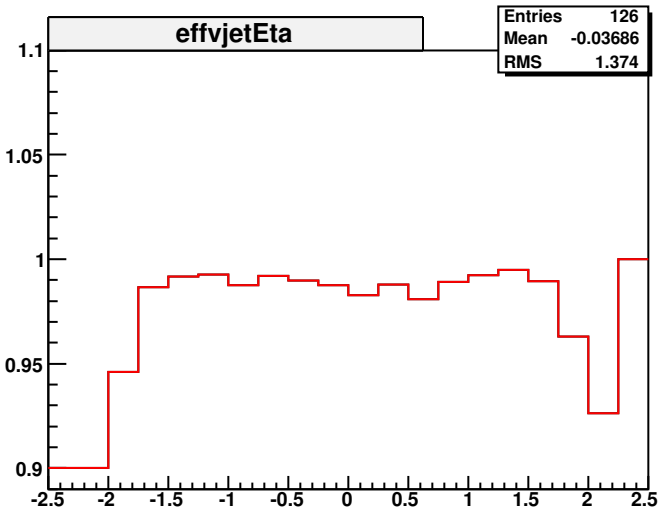


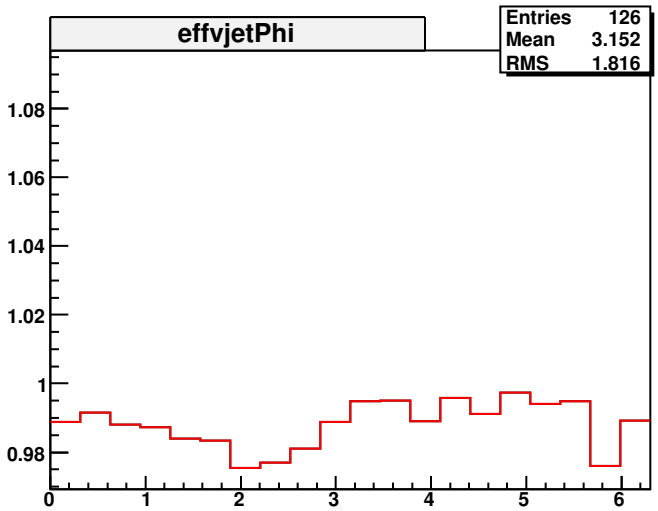


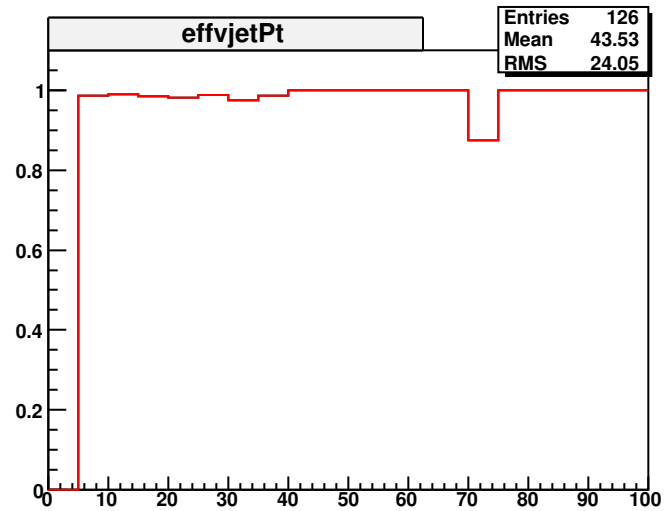




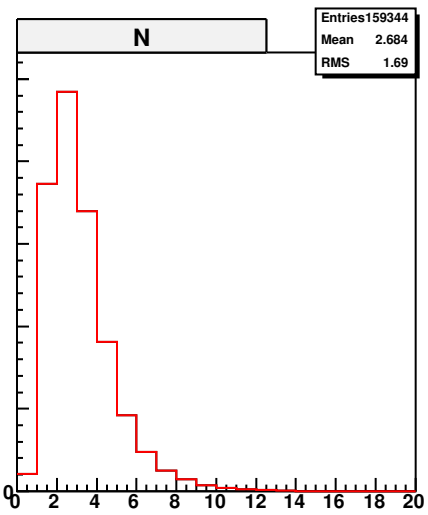
Tracking (Efficiency-Isolated)

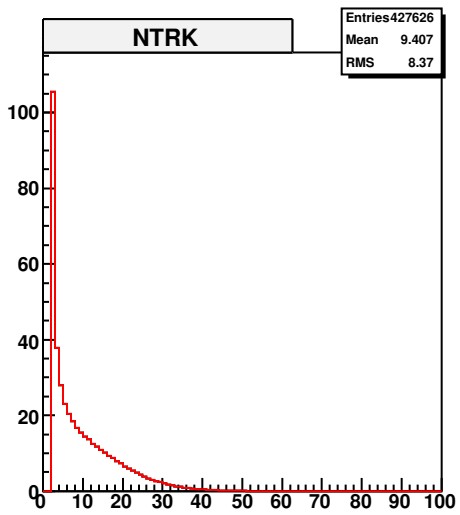


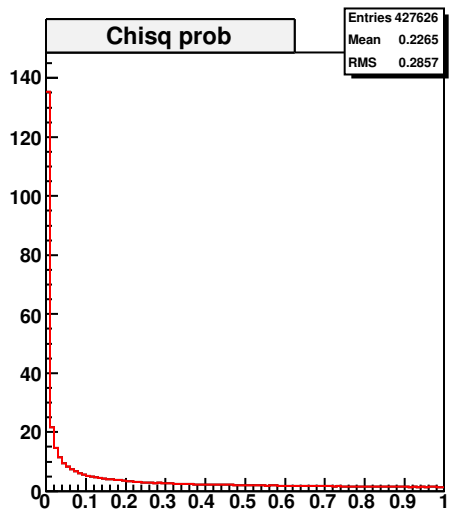


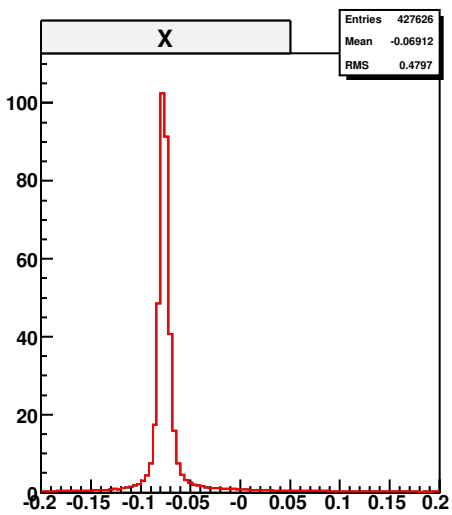


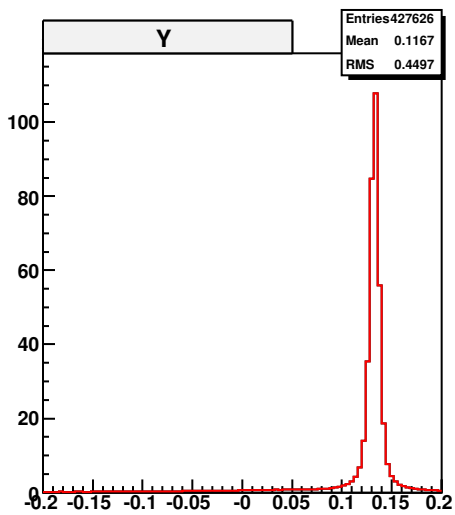
Tracking (Efficiency-InJets)

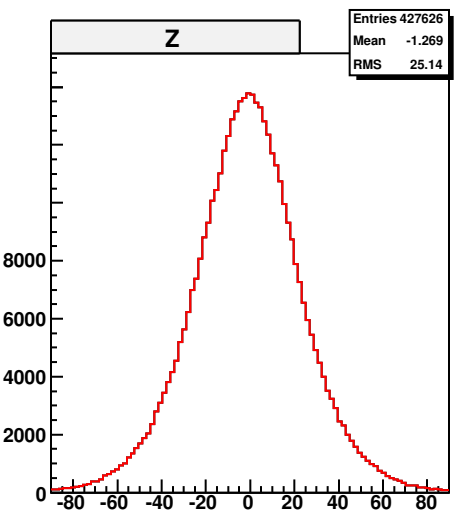




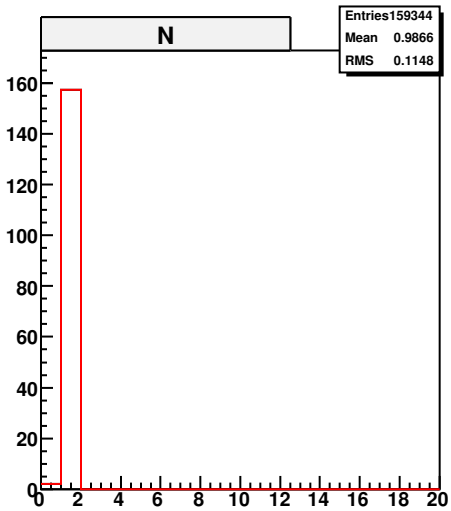


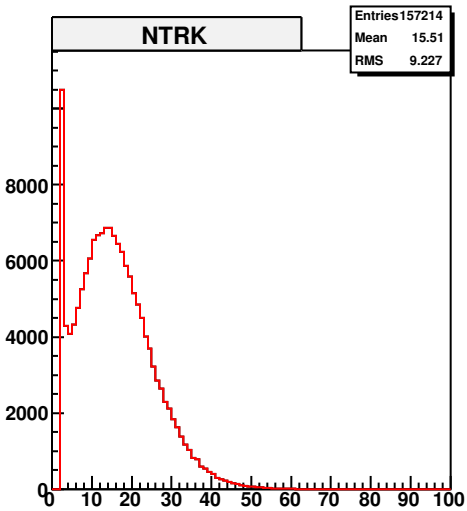


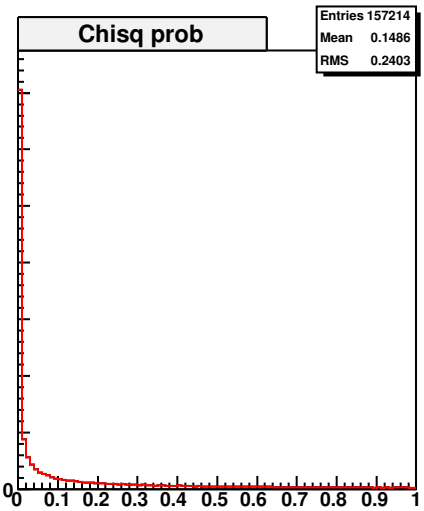


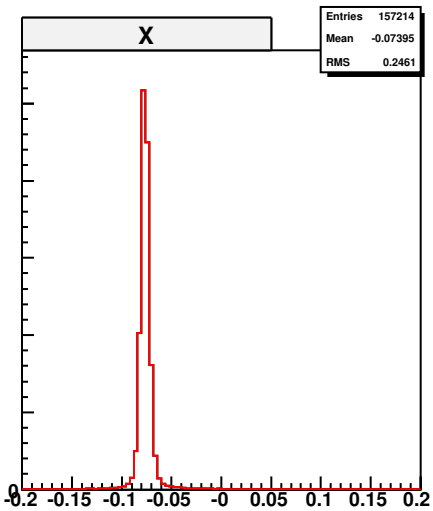


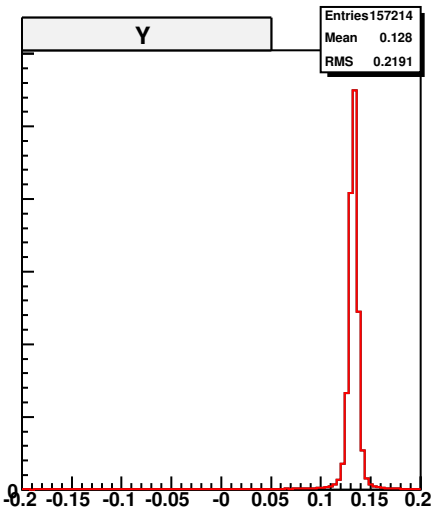
Vertices (Primary - all candidates)

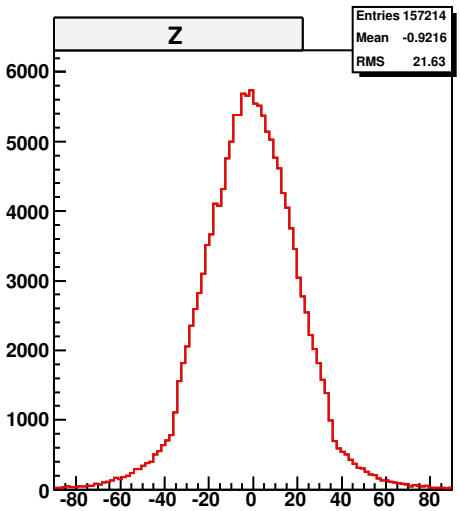




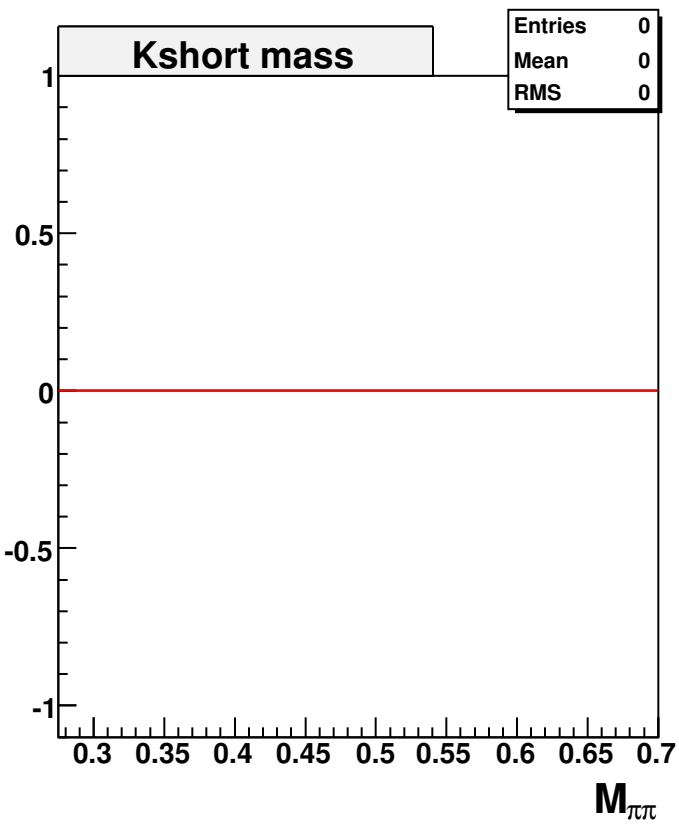


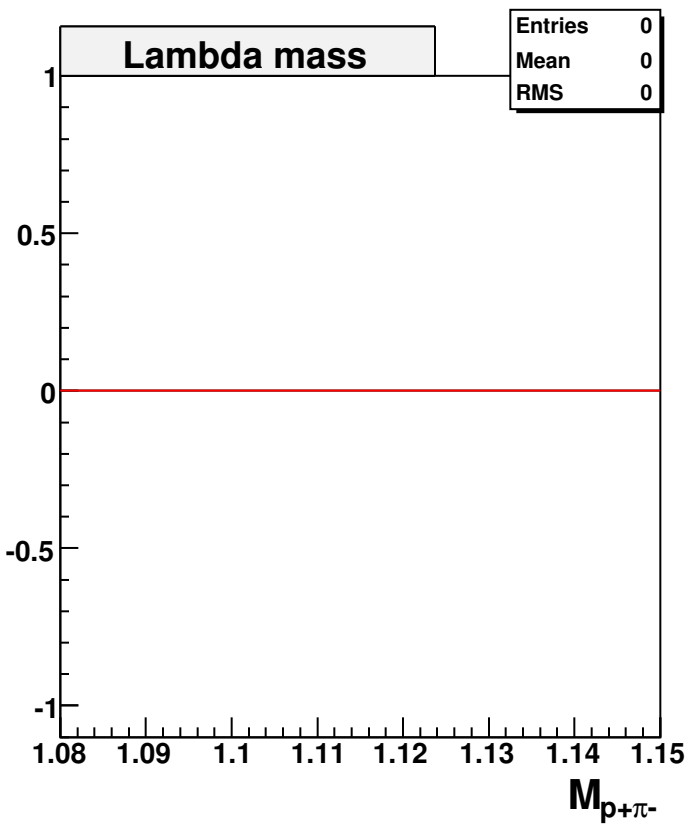


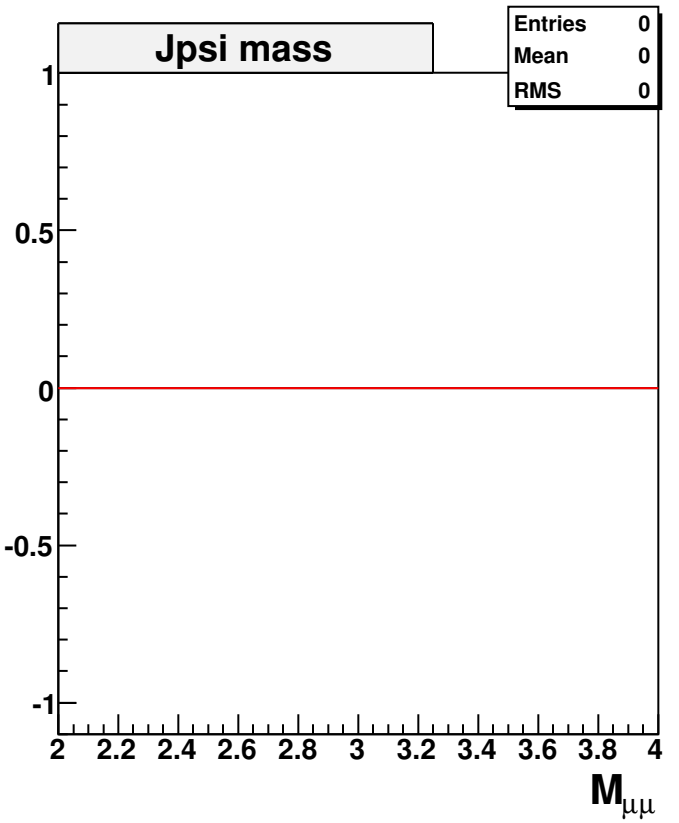


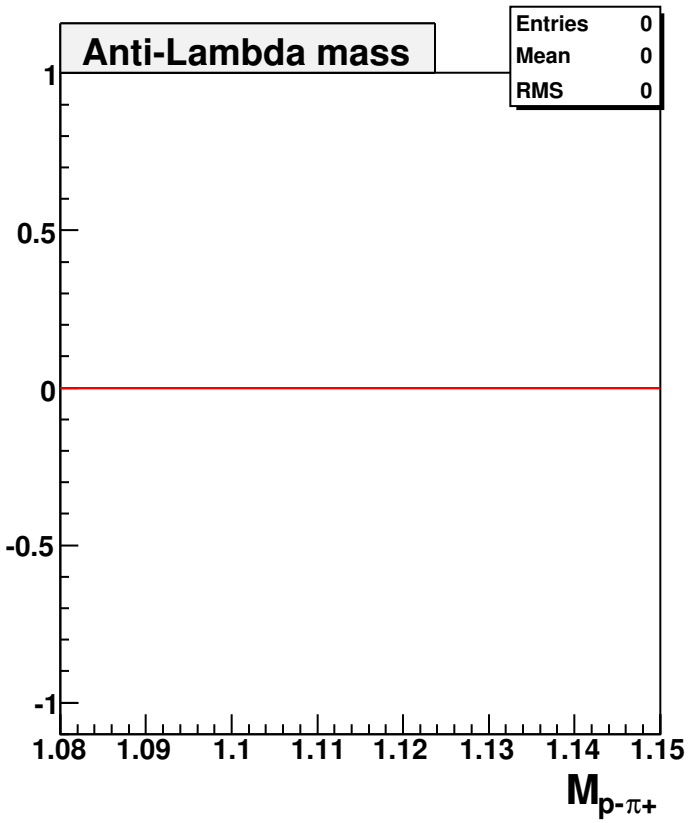


Vertices (Primary - best)

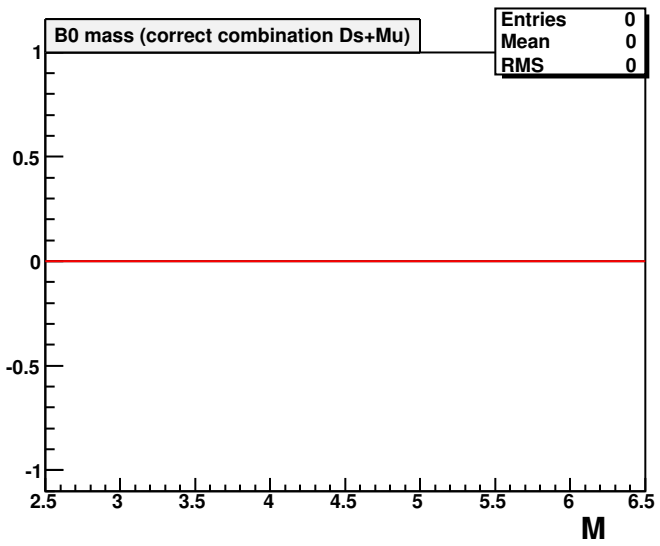

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

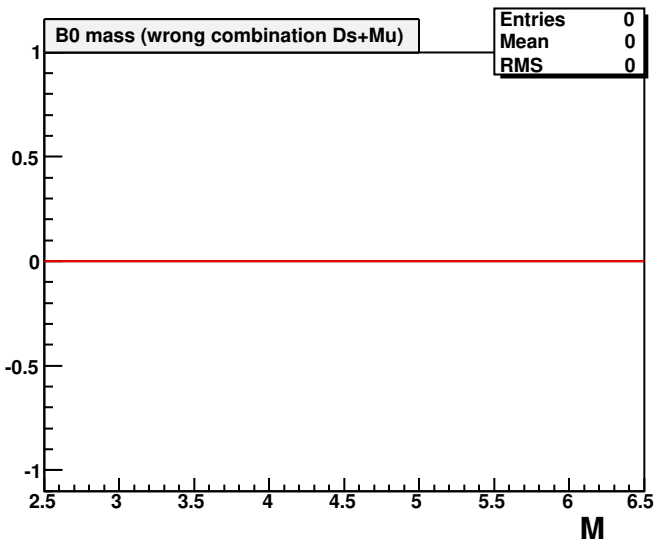

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

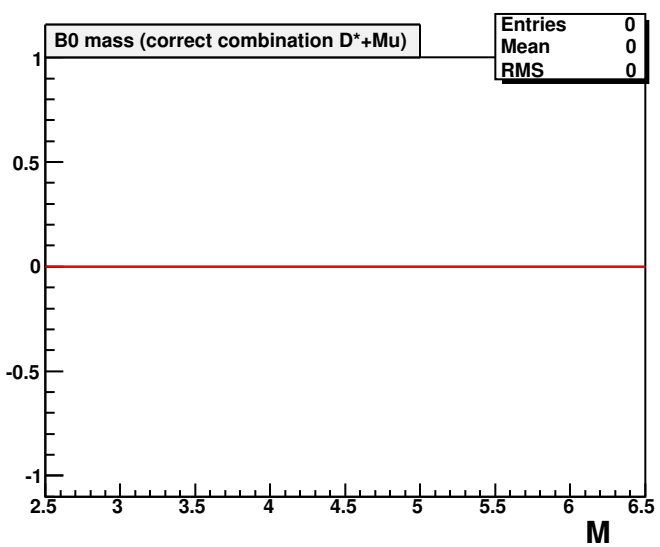

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

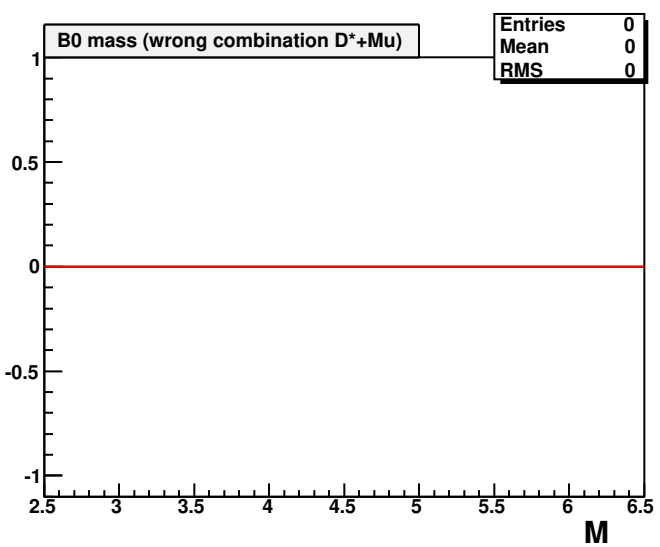

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

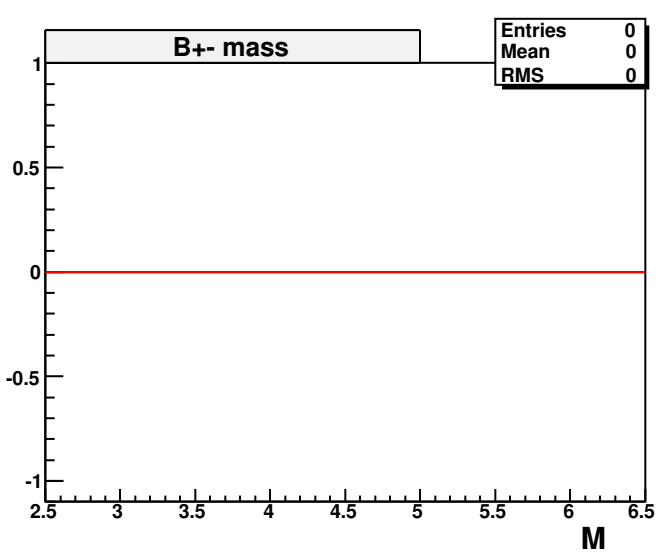
V0 (All)



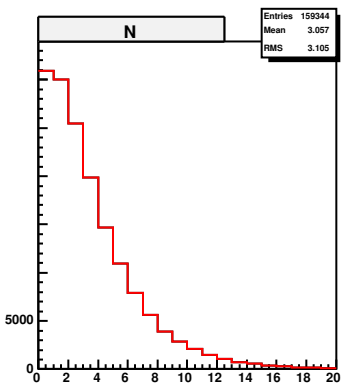


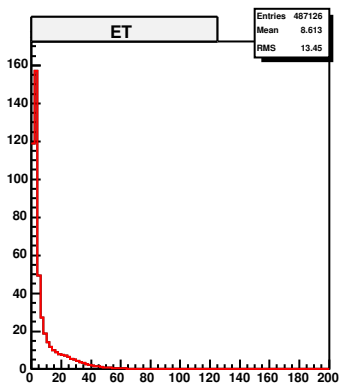


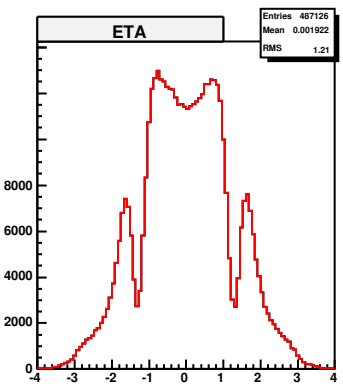


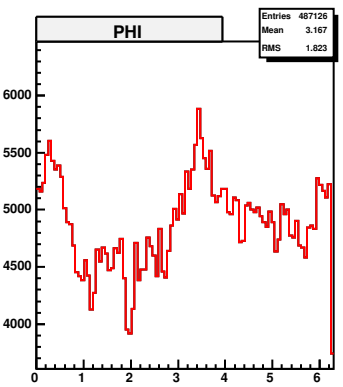


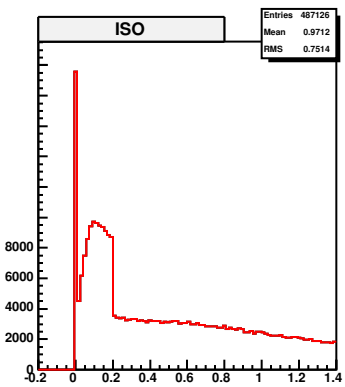
V0(B mesons) (All)

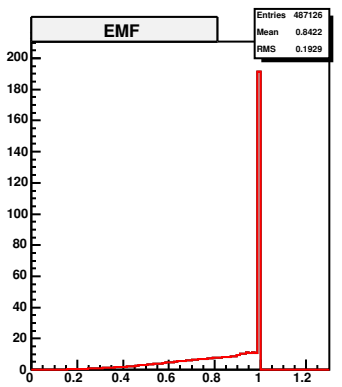


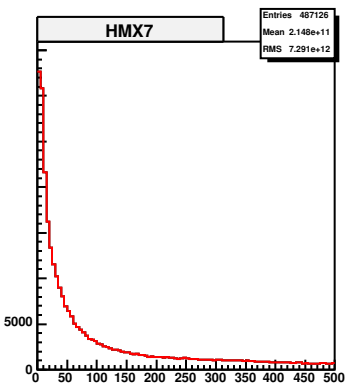


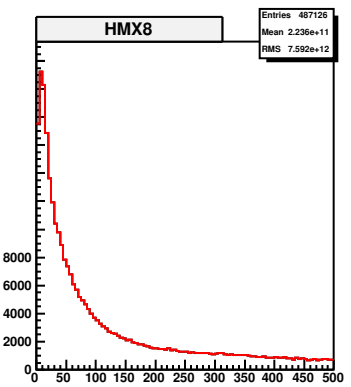


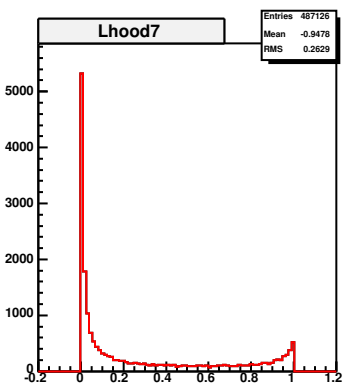


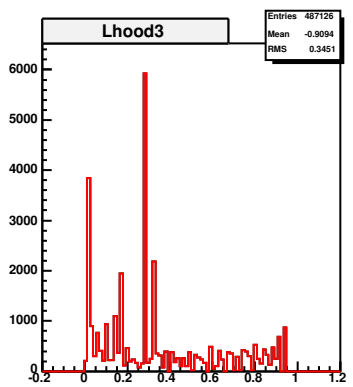


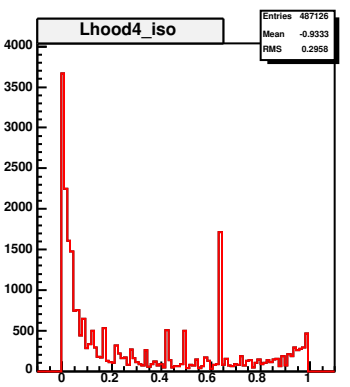


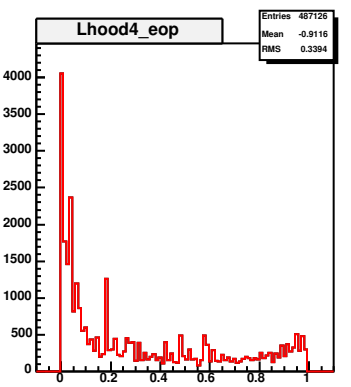


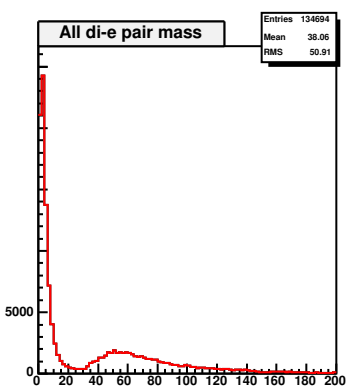


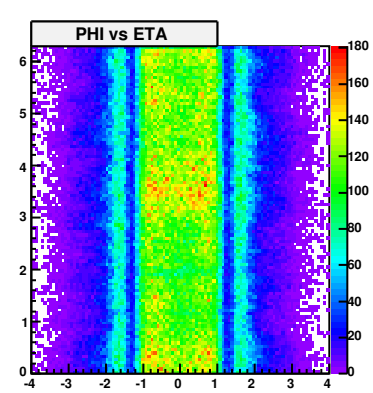


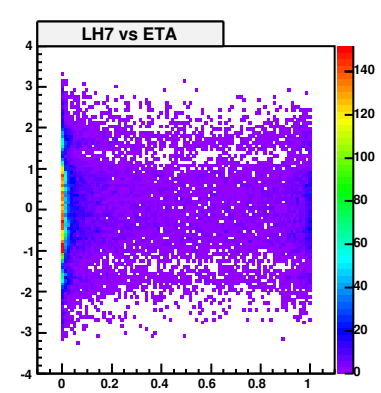


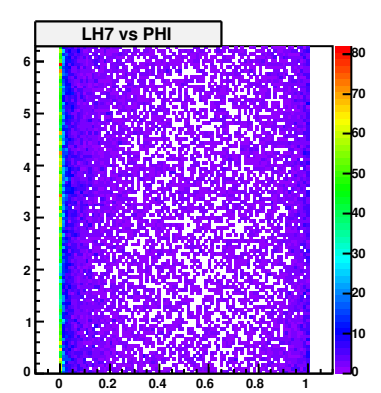




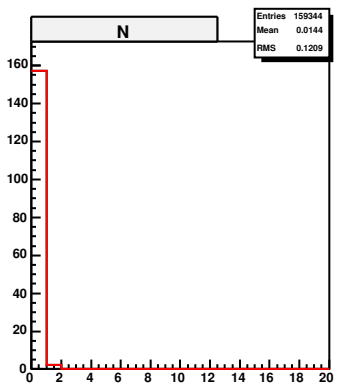


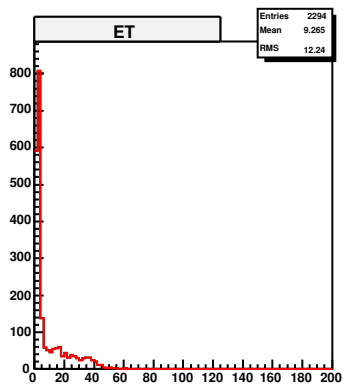


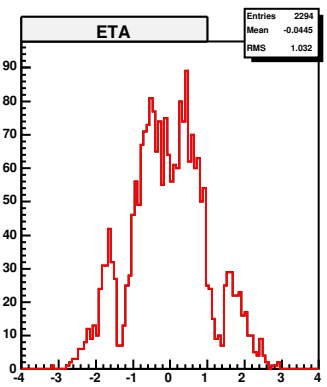


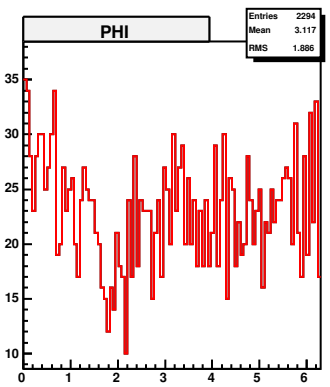


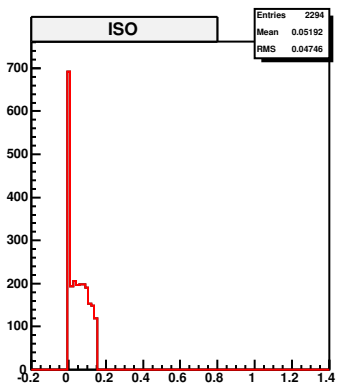
Electrons (SCONE All)

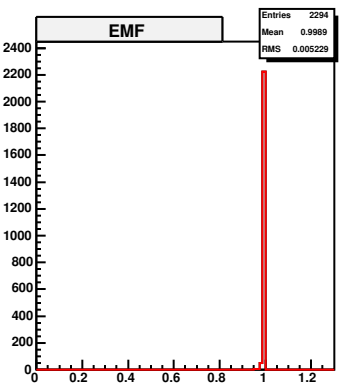


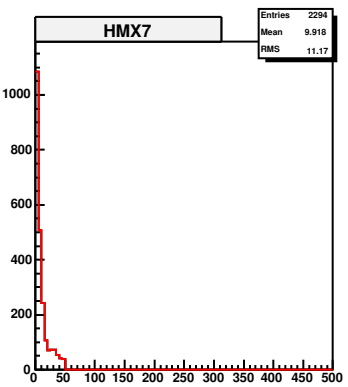


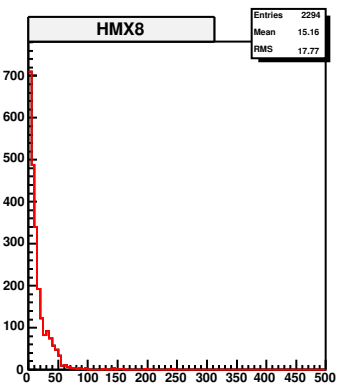


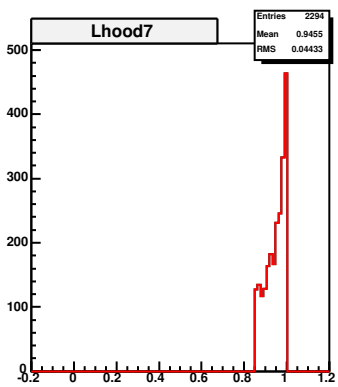


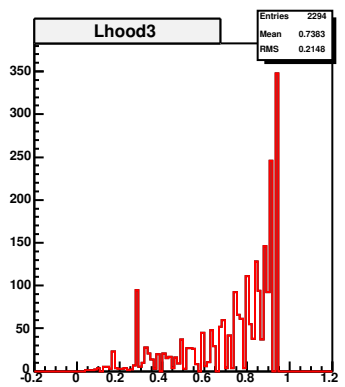


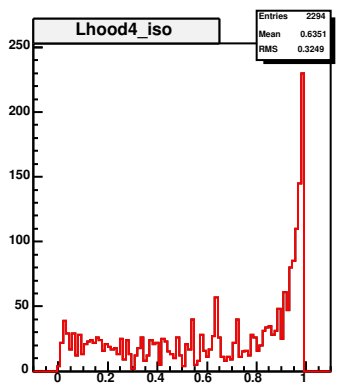


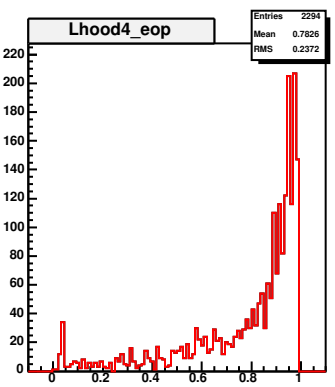


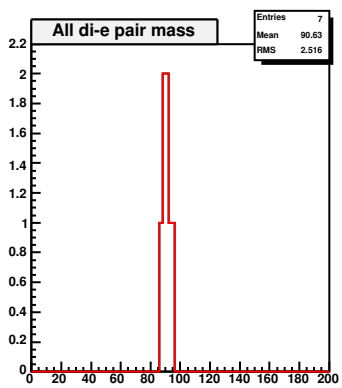


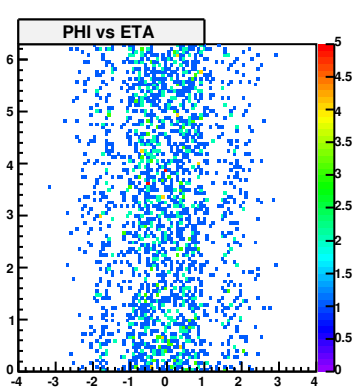


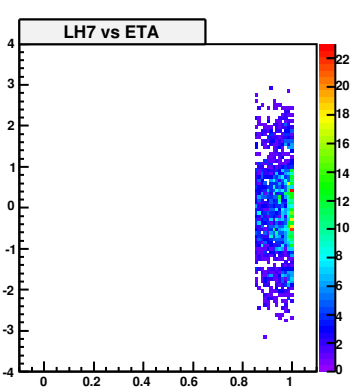


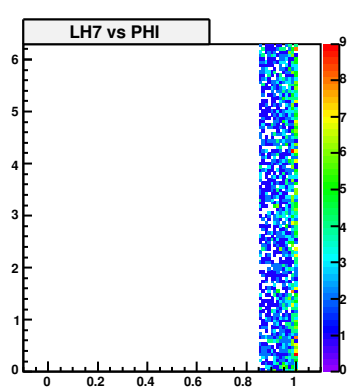




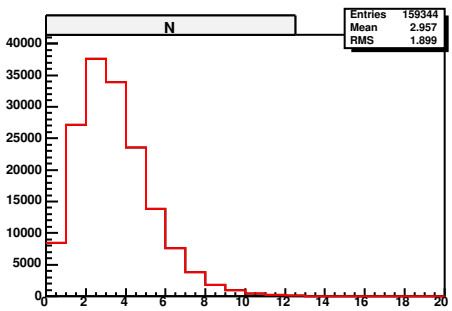


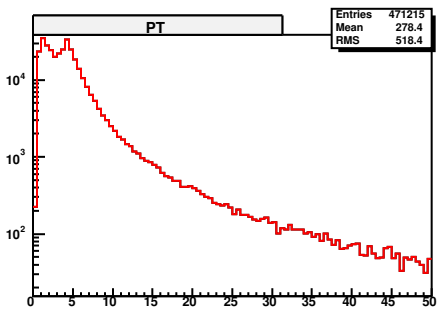


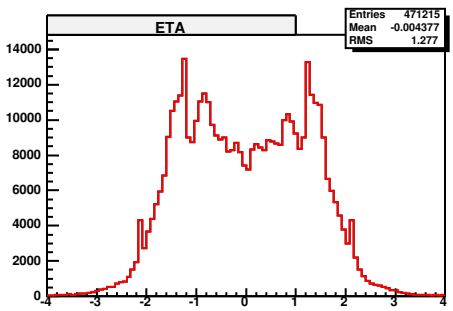


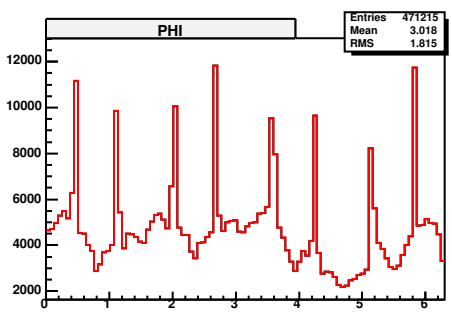


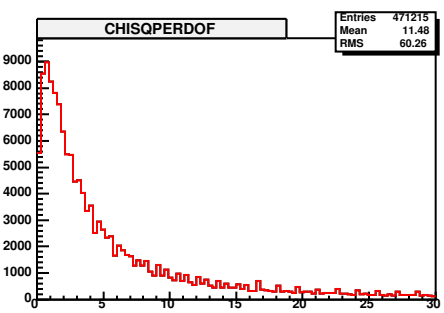
Electrons (SCONE Tight)

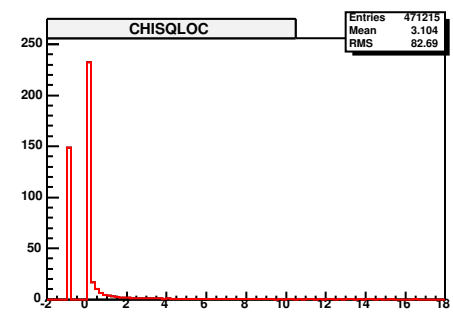

N
Entries 159344
Mean 2.957
RMS 1.899

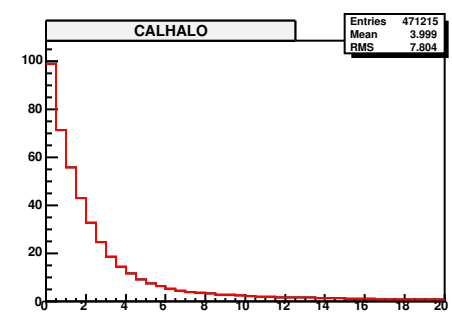

PT
Entries 471215
Mean 278.4
RMS 518.4

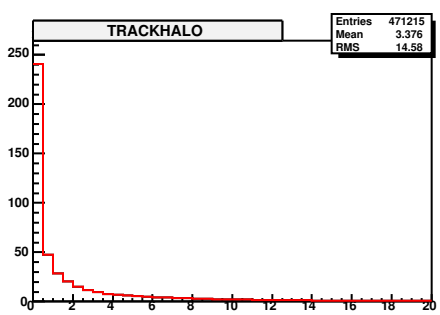

ETA
Entries 471215
Mean -0.004377
RMS 1.277

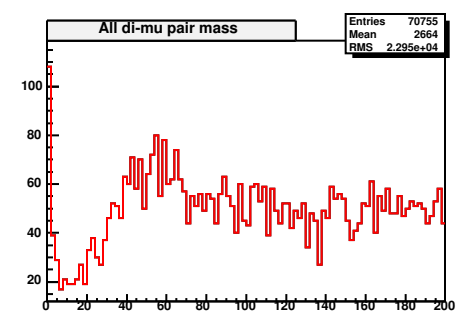

PHI
Entries 471215
Mean 3.018
RMS 1.815

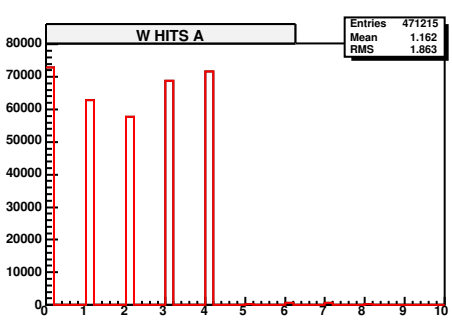

CHISQPERDOF
Entries 471215
Mean 11.48
RMS 60.26

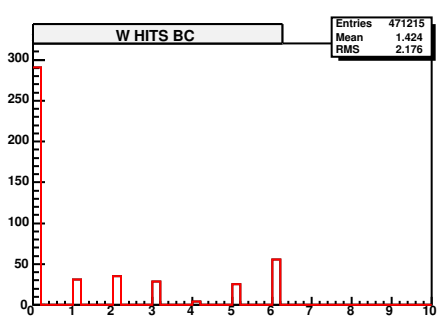

CHISQLOC
Entries 471215
Mean 3.104
RMS 82.69

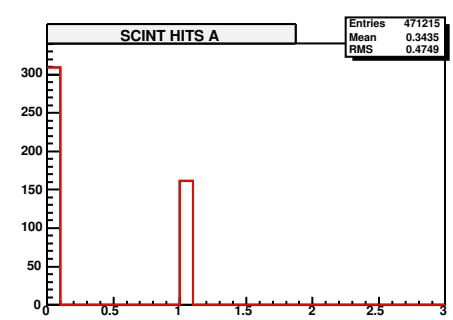

CALHALO
Entries 471215
Mean 3.999
RMS 7.804

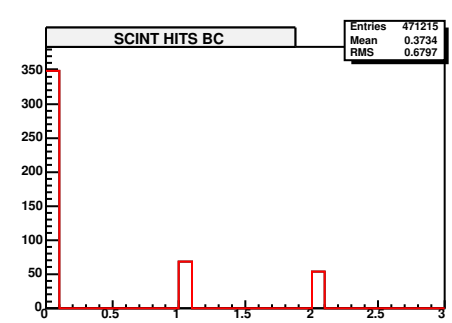

TRACKHALO
Entries 471215
Mean 3.376
RMS 14.58


All di-mu pair mass
Entries 70755
Mean 2664
RMS 2.295e+04

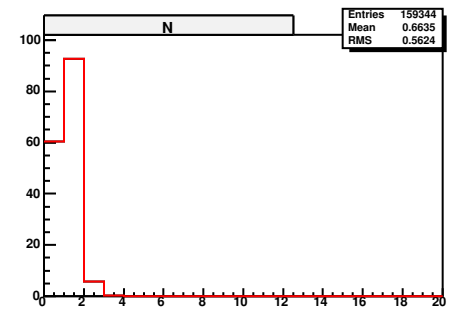

W HITS A
Entries 471215
Mean 1.162
RMS 1.863

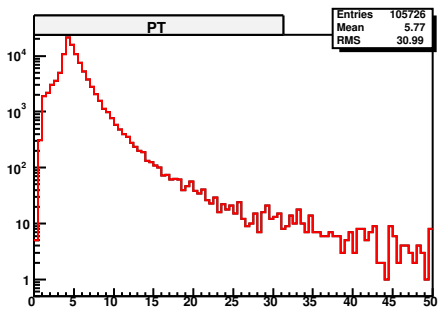

W HITS BC
Entries 471215
Mean 1.424
RMS 2.176

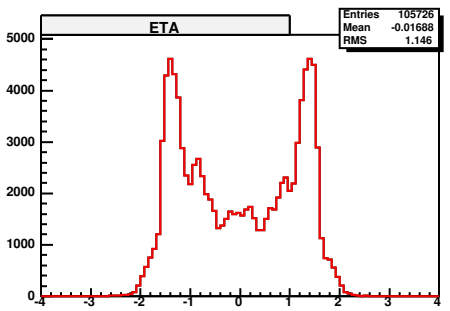

SCINT HITS A
Entries 471215
Mean 0.3435
RMS 0.4749

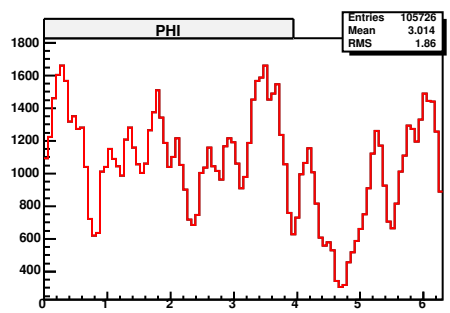

SCINT HITS BC
Entries 471215
Mean 0.3734
RMS 0.6797

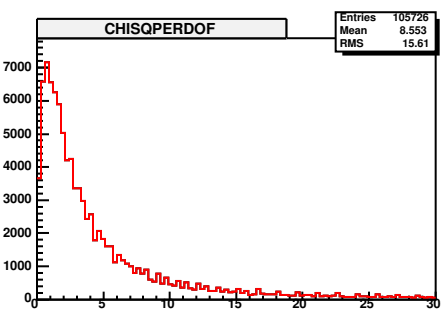
Muons (All)

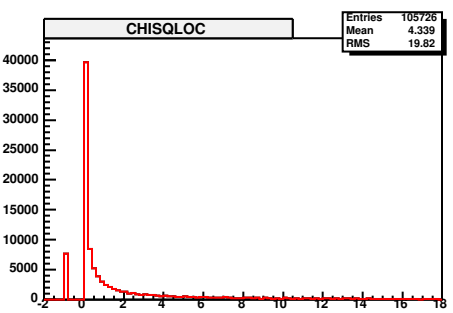


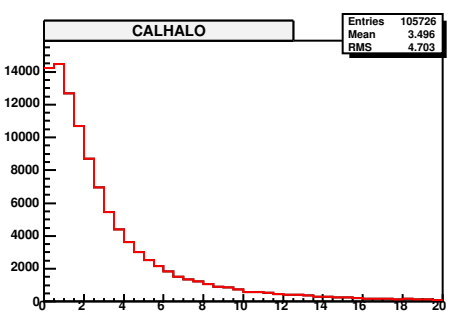


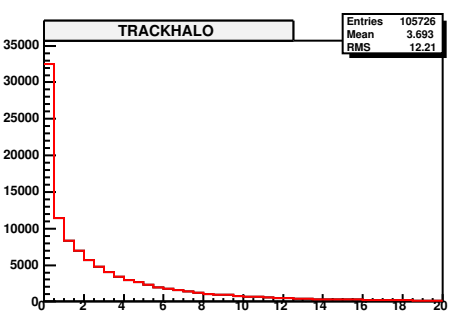


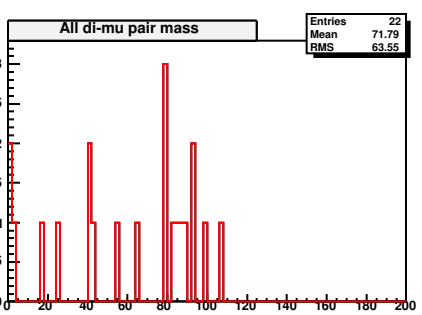


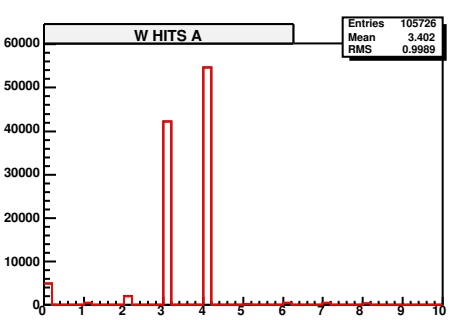


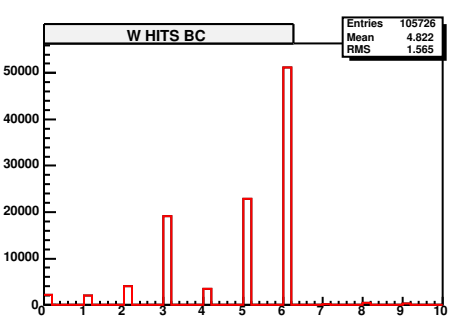


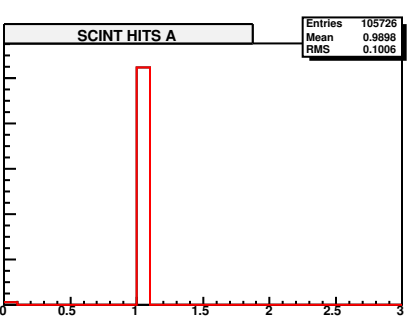


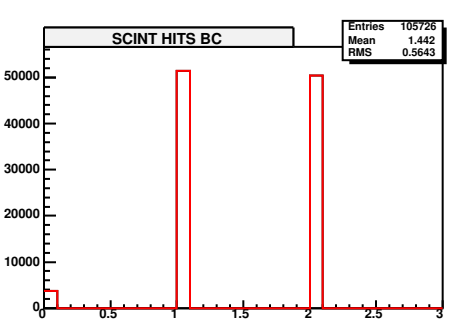




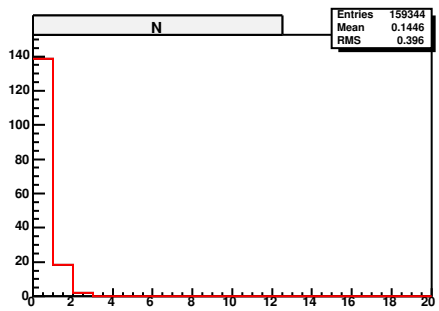


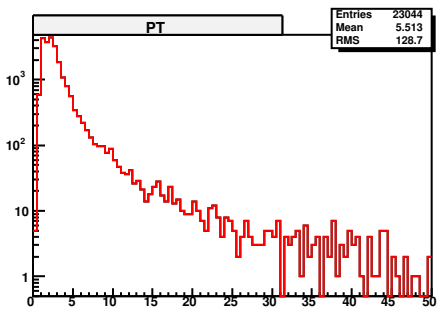


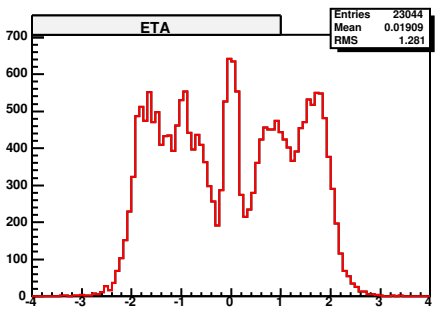


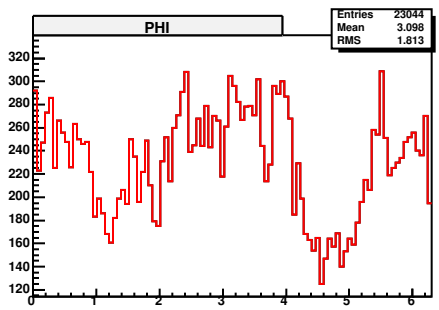


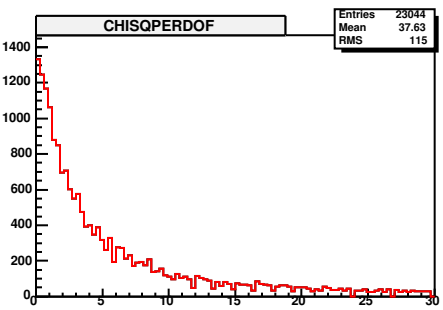
Muons (Matched)


N
Entries 159344
Mean 0.1446
RMS 0.396


PT
Entries 23044
Mean 5.513
RMS 128.7


ETA
Entries 23044
Mean 0.01909
RMS 1.281


PHI
Entries 23044
Mean 3.098
RMS 1.813


CHISQPERDOF
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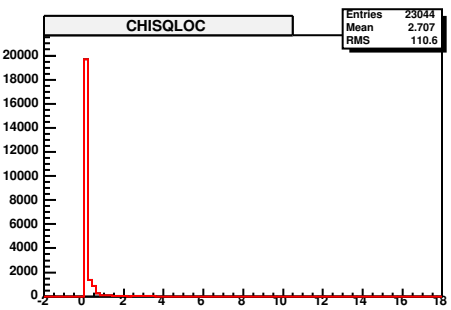
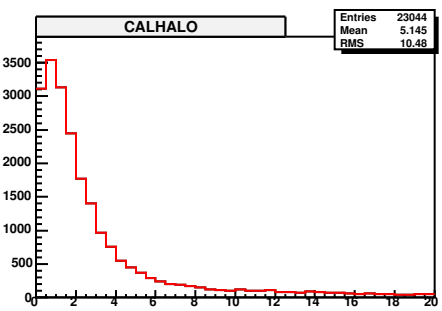
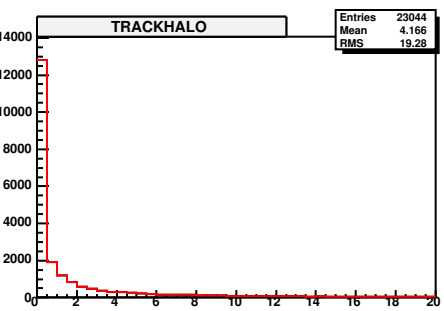
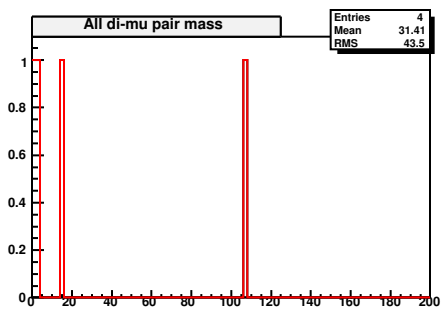
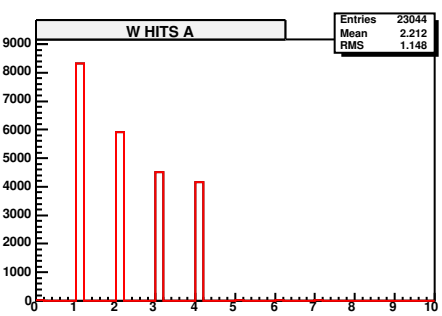
Mean 37.63
RMS 115

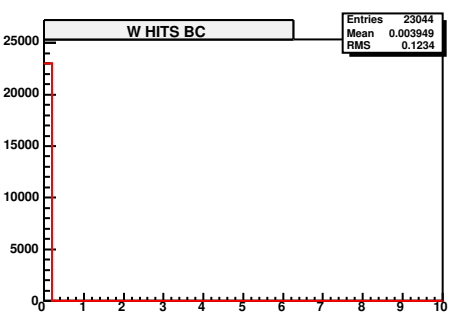

CHISQLOC
Entries 23044
Mean 2.707
RMS 110.6


CALHALO
Entries 23044
Mean 5.145
RMS 10.48


TRACKHALO
Entries 23044
Mean 4.166
RMS 19.28


All di-mu pair mass
Entries 4
Mean 31.41
RMS 43.5


W HITS A
Entries 23044
Mean 2.212
RMS 1.148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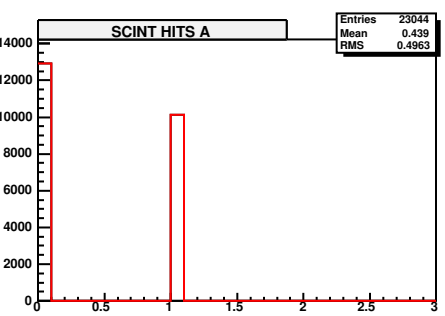
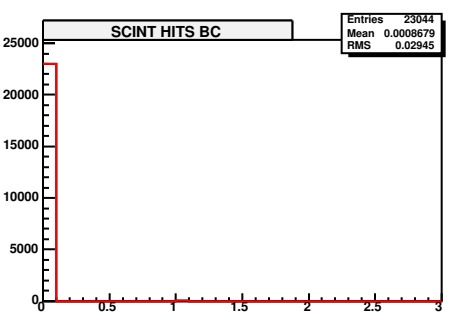
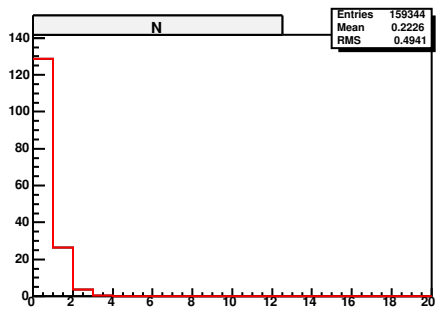
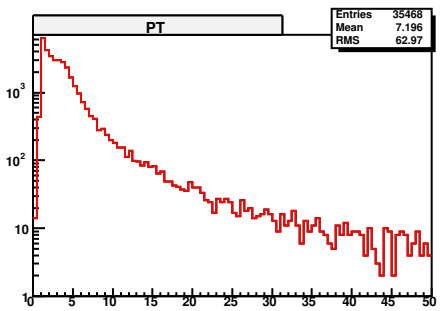
Entries 23044
Mean 0.003949
RMS 0.1234

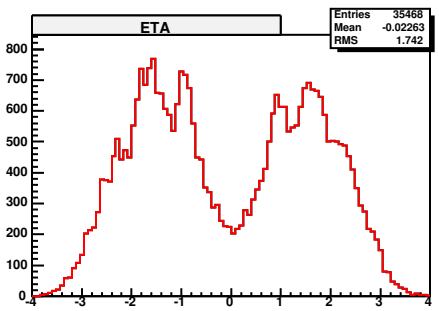

SCINT HITS A
Entries 23044
Mean 0.439
RMS 0.4963

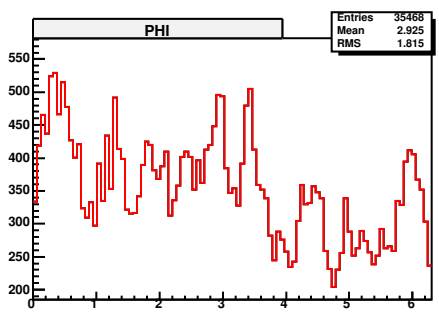

SCINT HITS BC
Entries 23044
Mean 0.0008679
RMS 0.02945

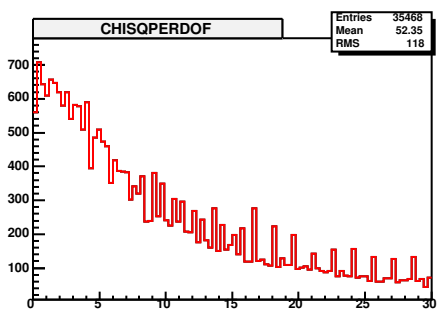
Muons (Astub)

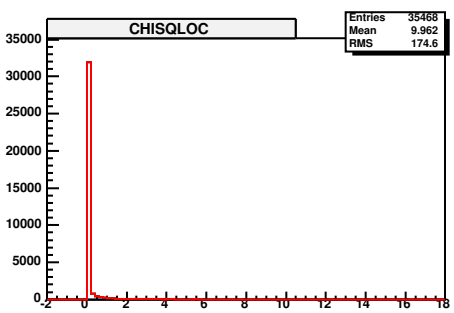


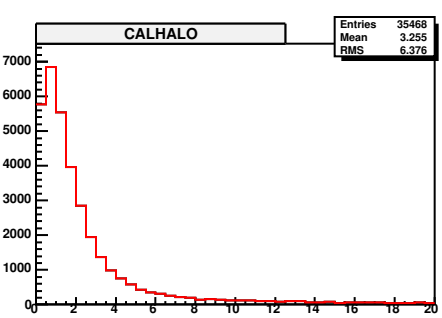


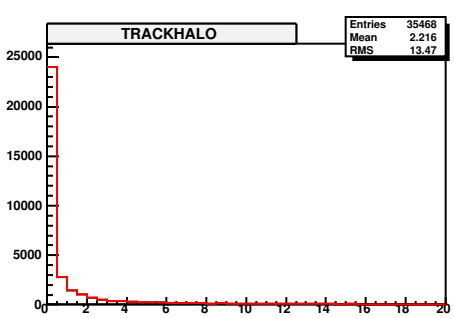


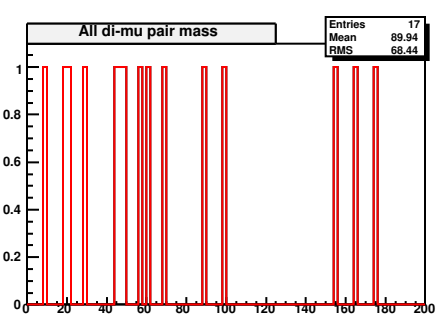


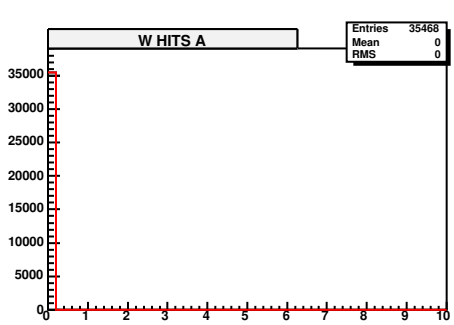


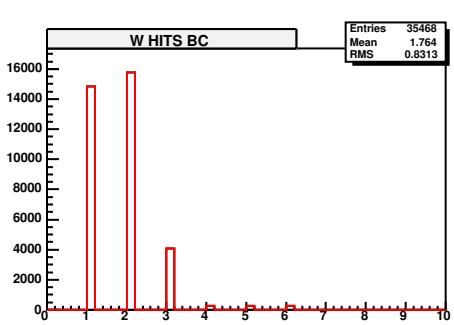


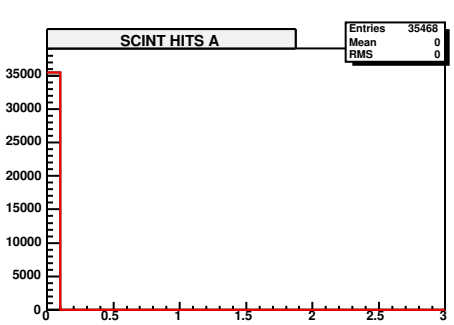


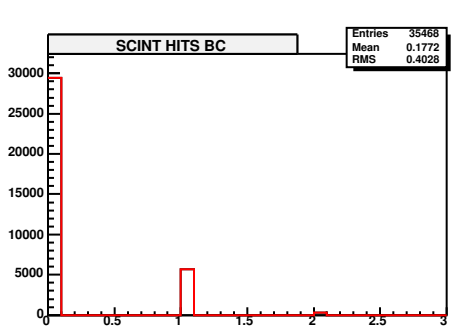




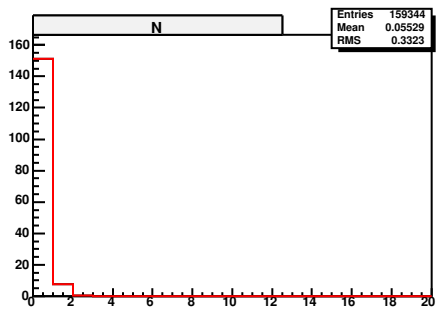


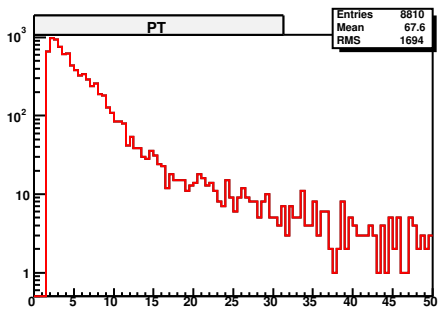


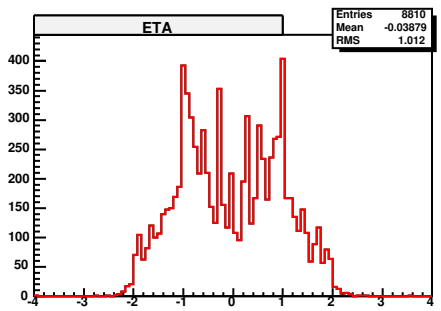


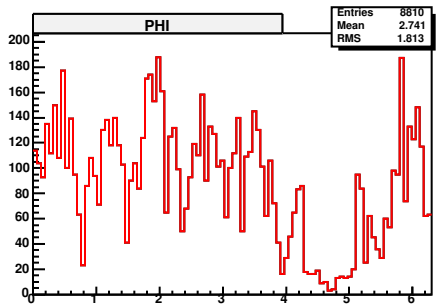


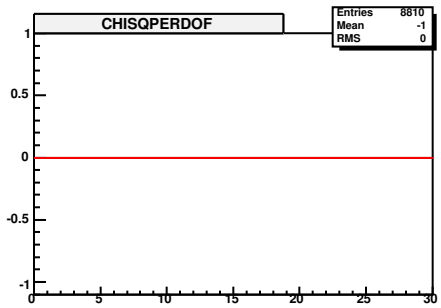
Muons (BCstub)

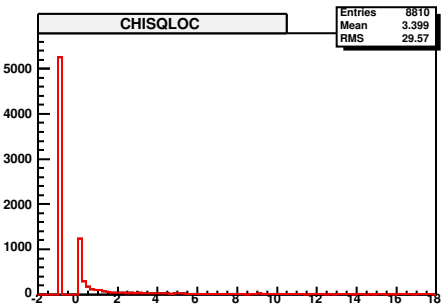


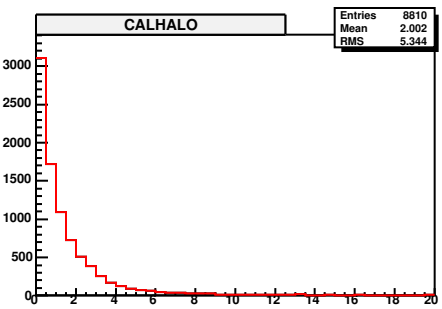


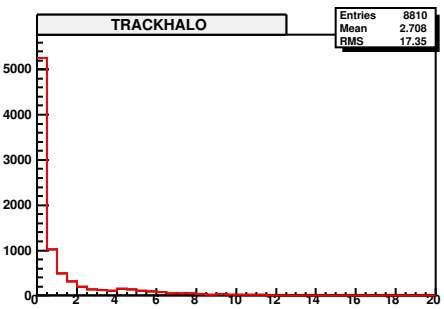


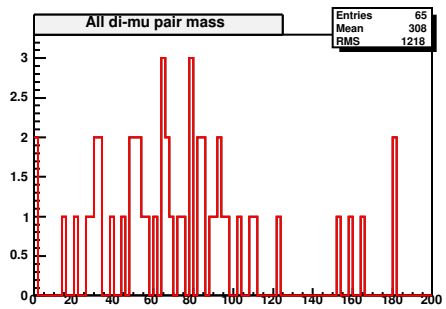


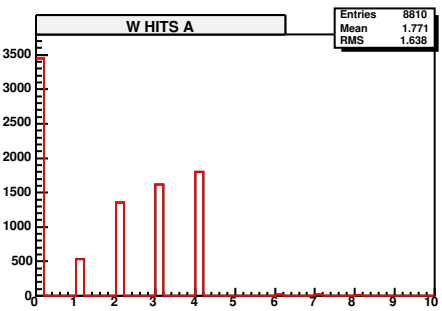


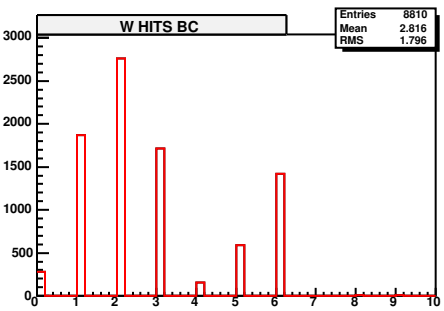


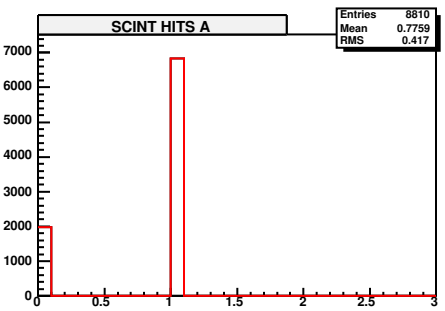


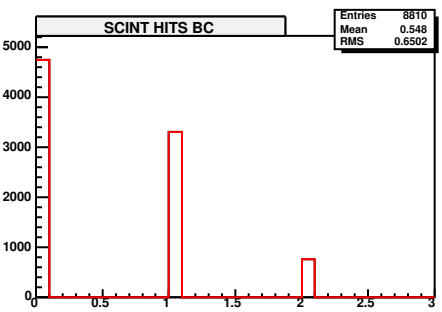




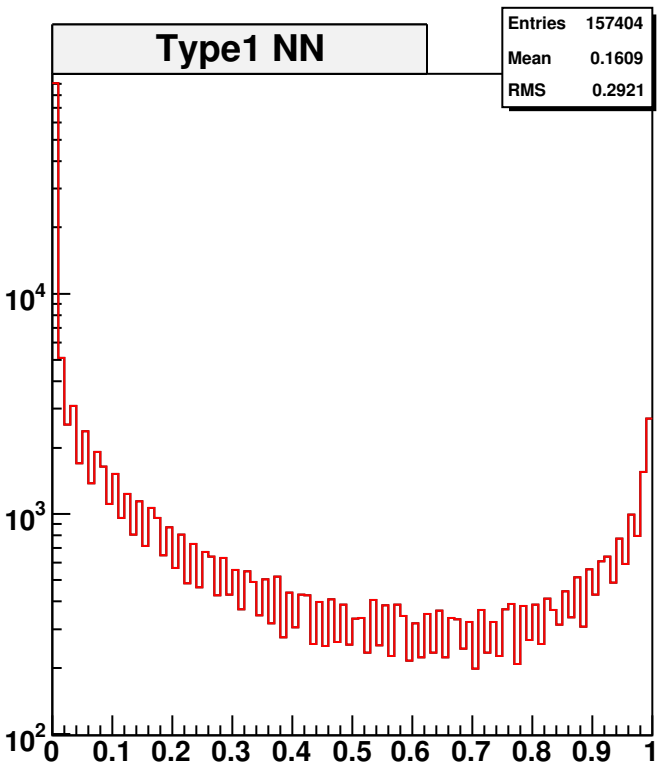


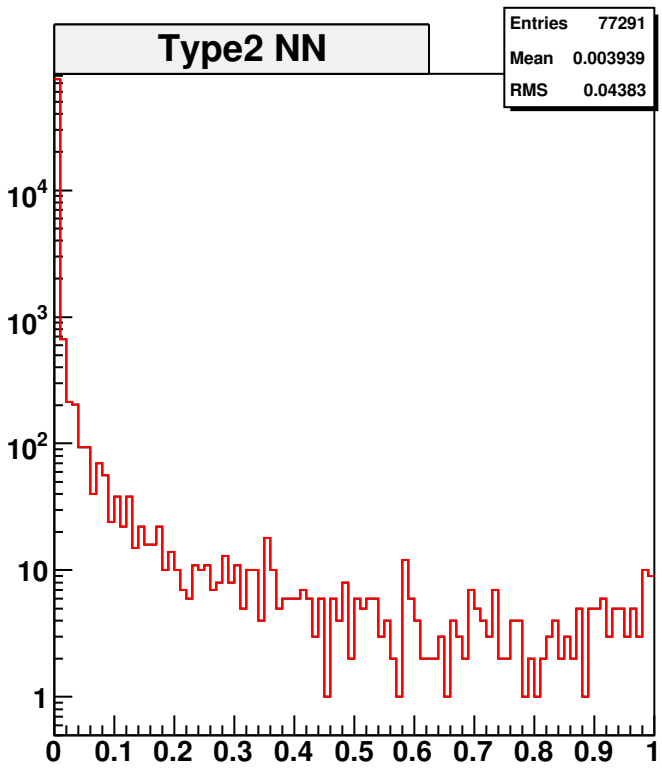


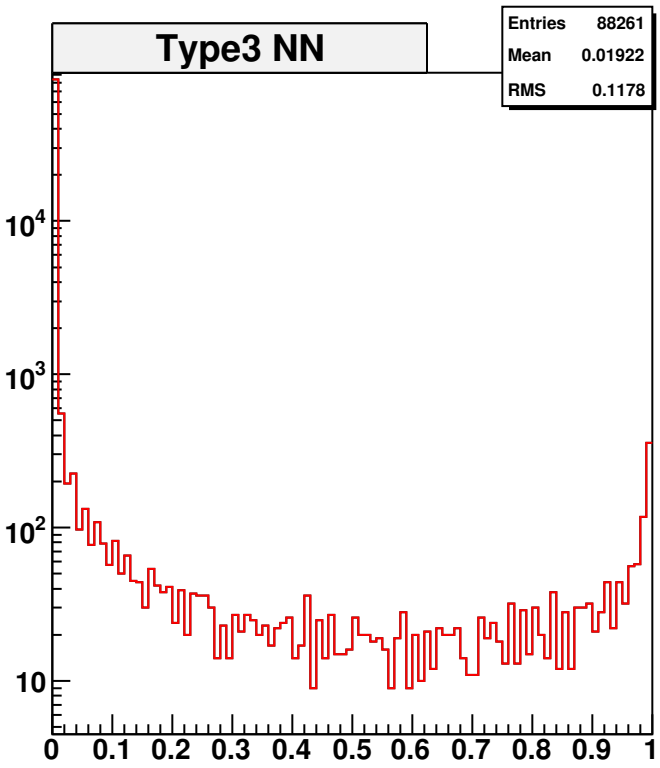


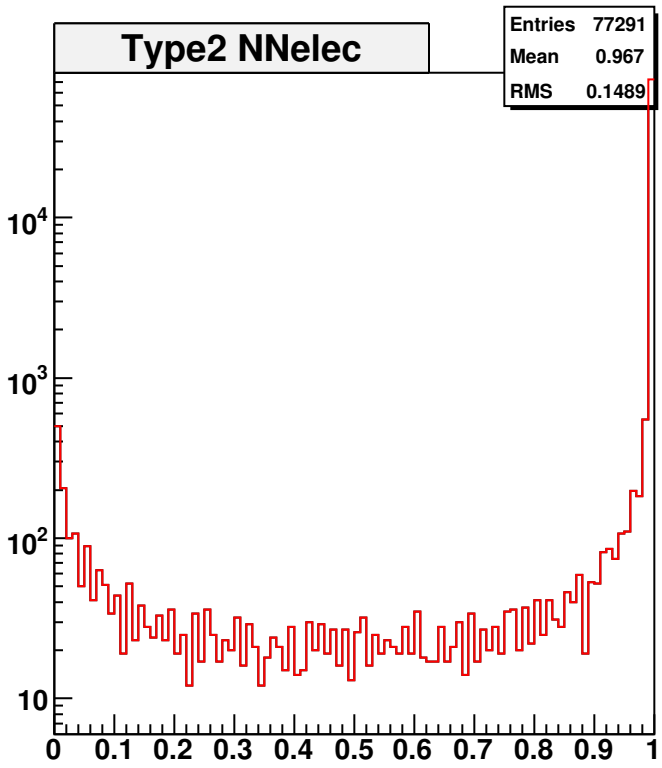


Muons (Unmatched)

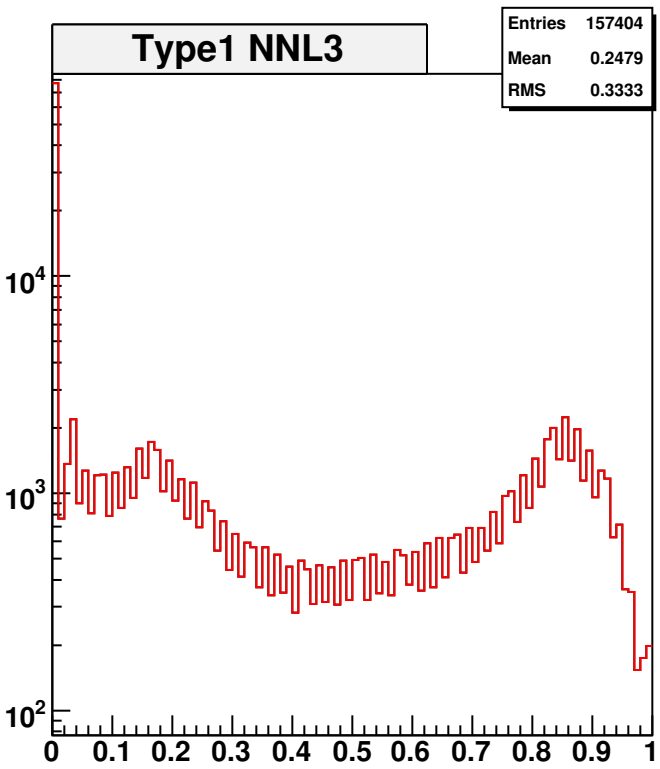


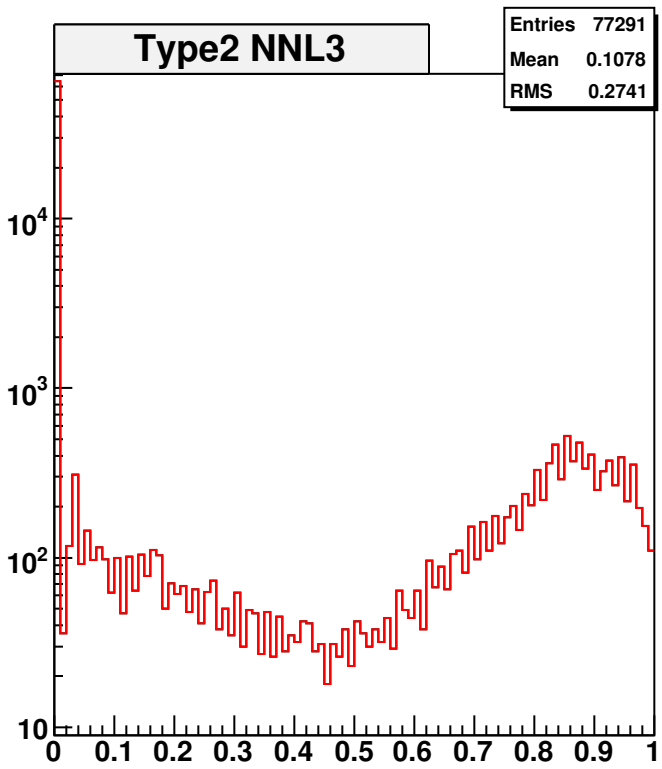


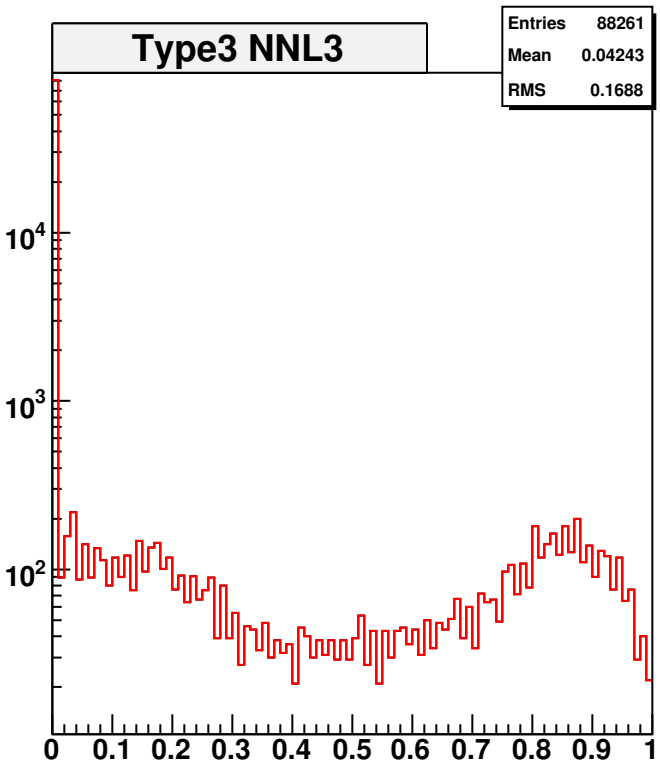


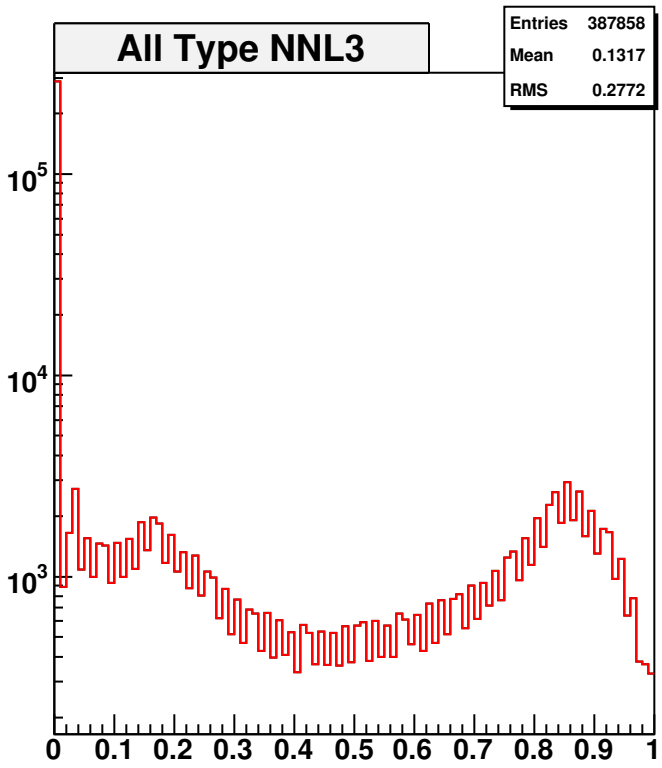


Taus NN (TAU All)

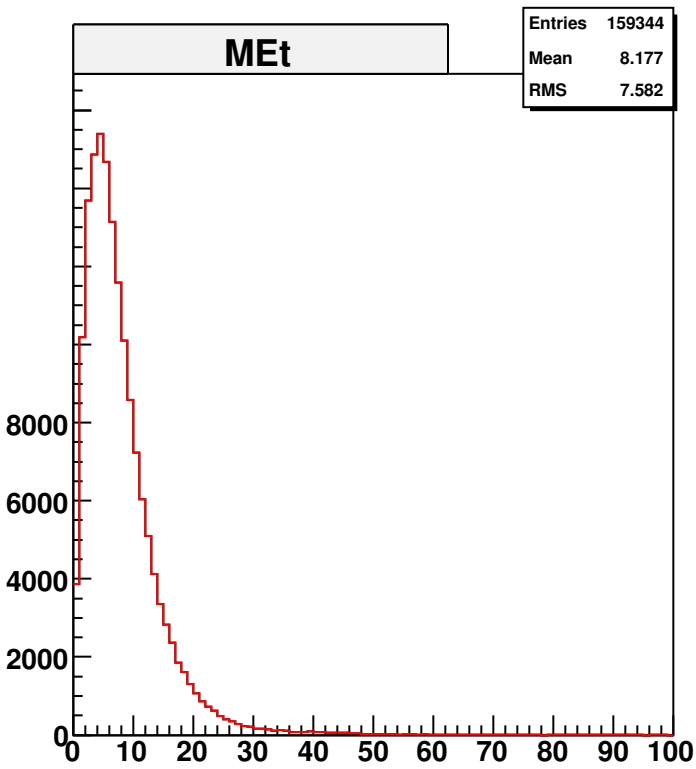








Taus NNL3 (TAU All)


MEt
Entries 159344
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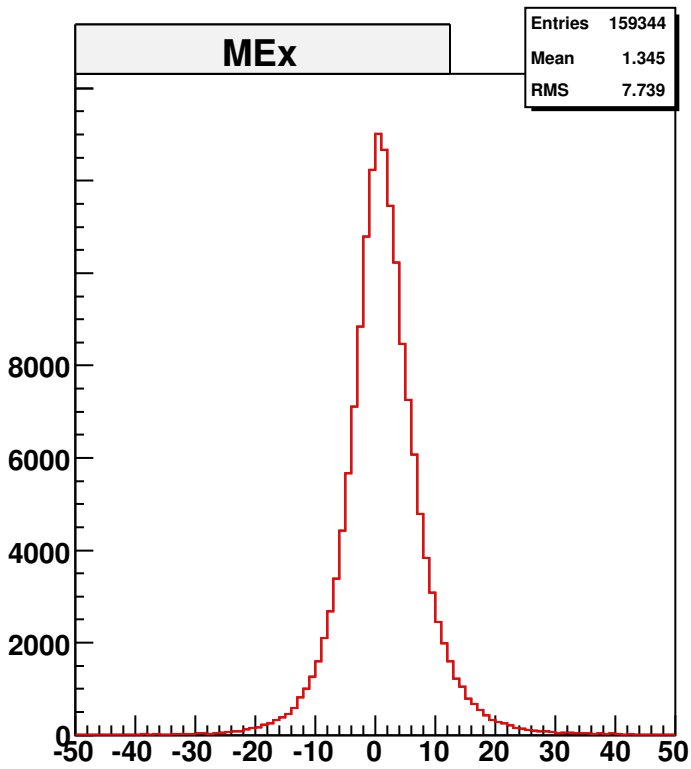
RMS 7.582
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100


MEx
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4000
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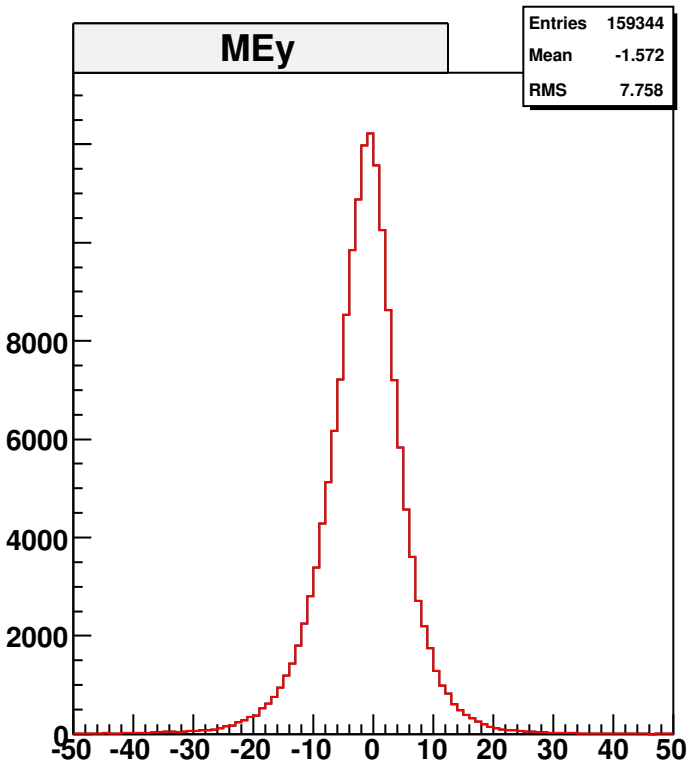
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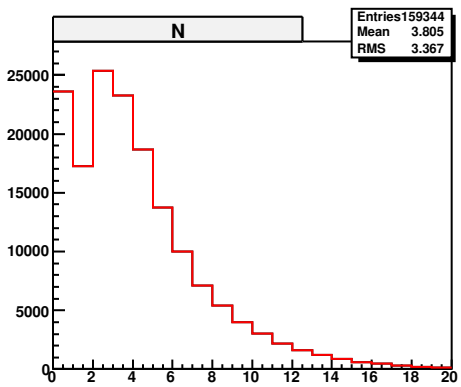
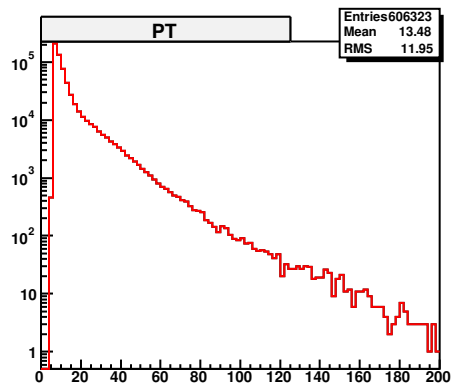
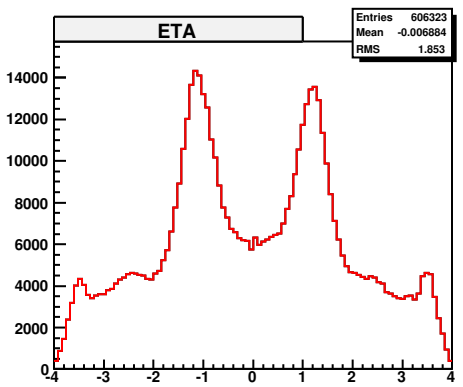
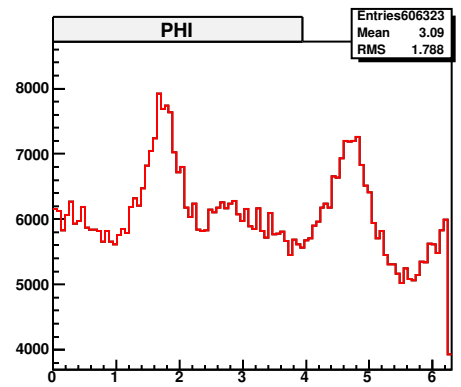
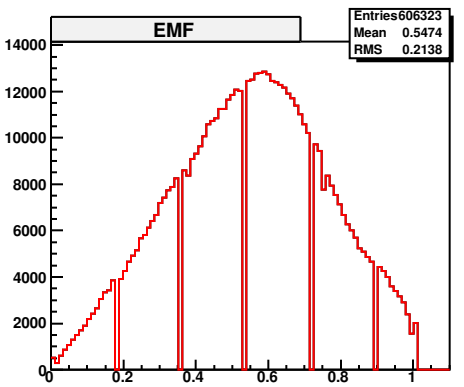
Met (No cuts)

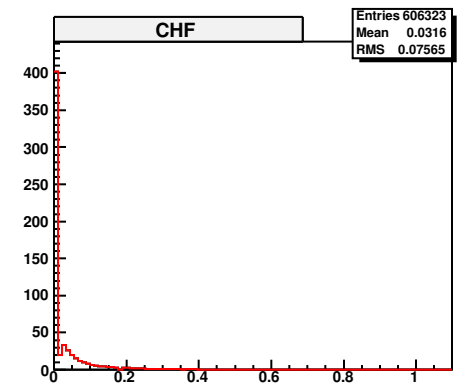


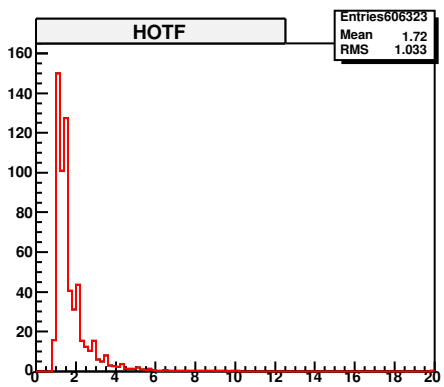


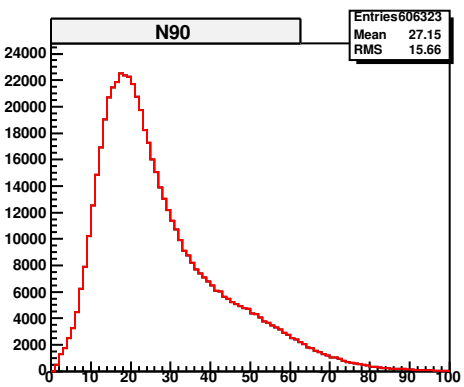


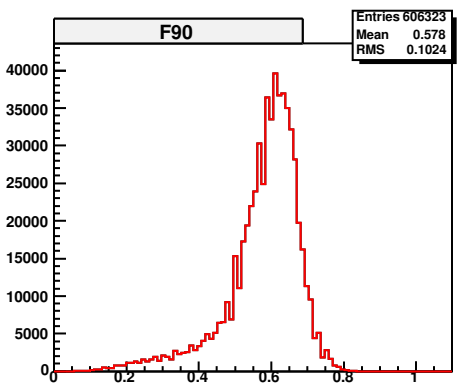


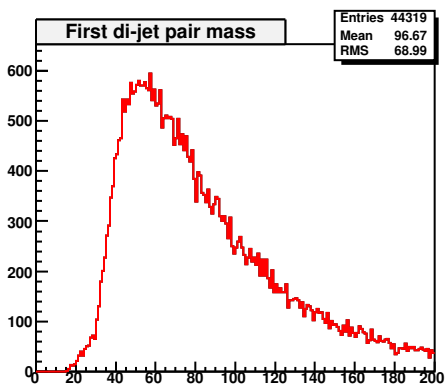


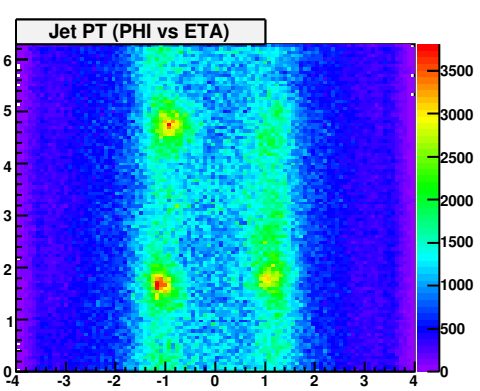




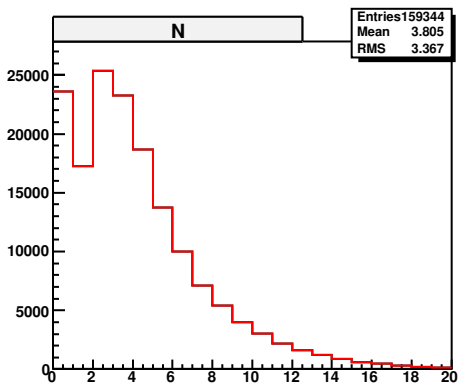


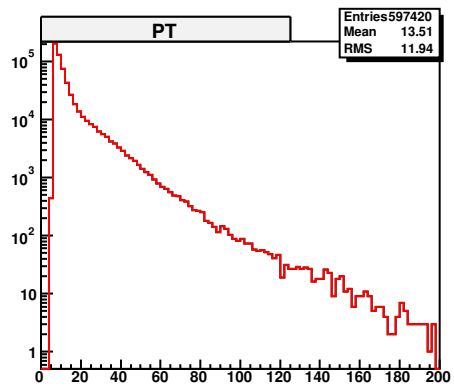


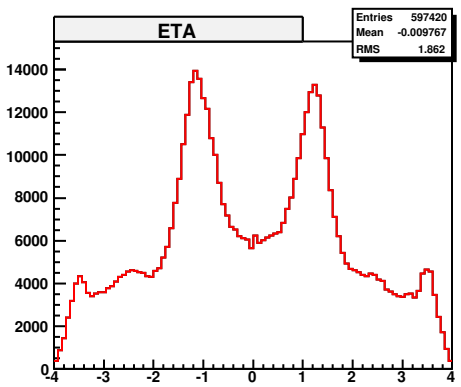


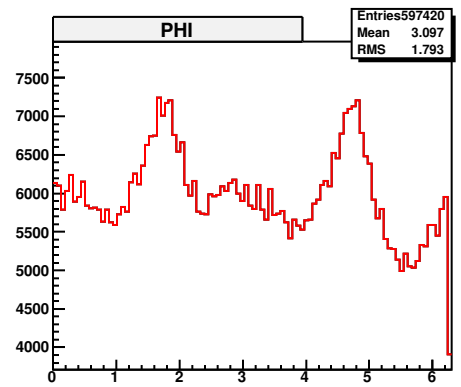


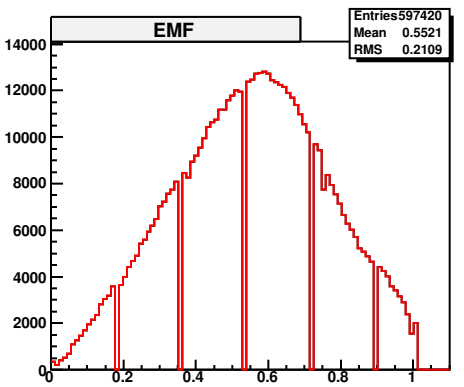
Jets (Cone R 0.7 (no cuts))

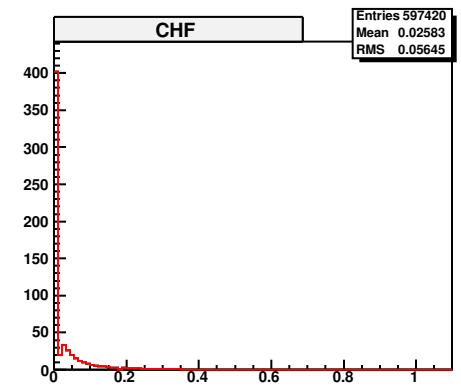


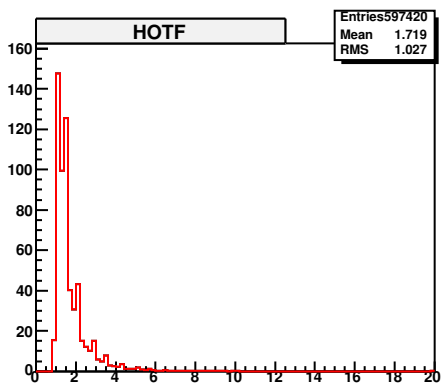


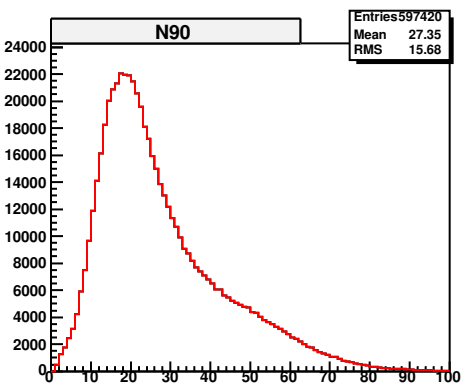


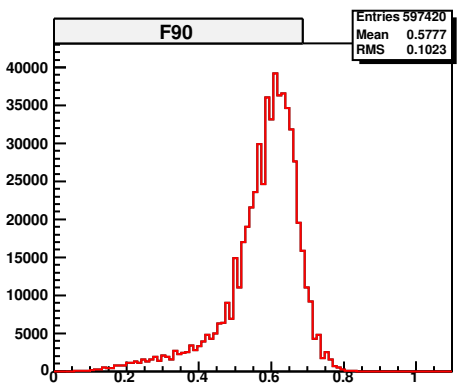


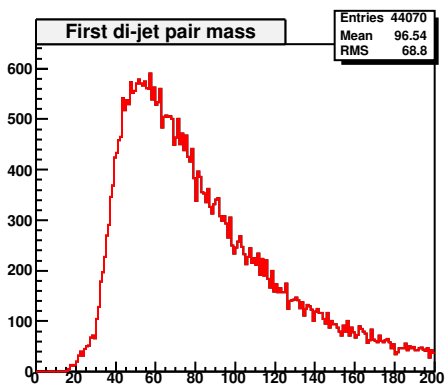


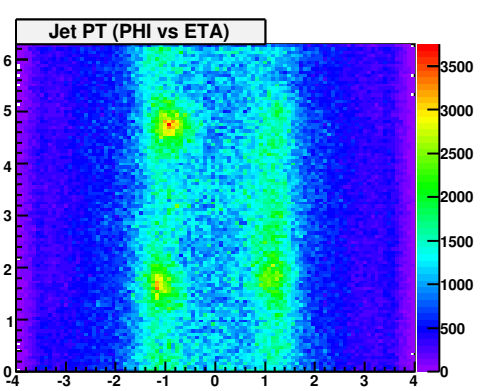




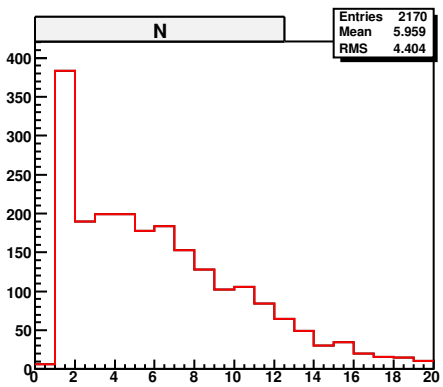


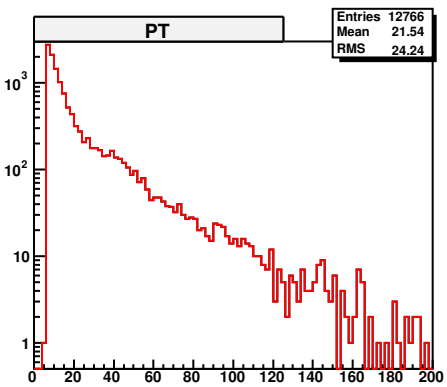


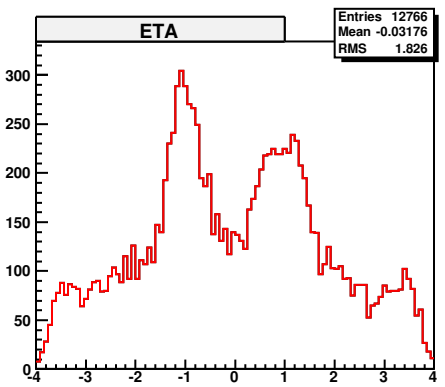


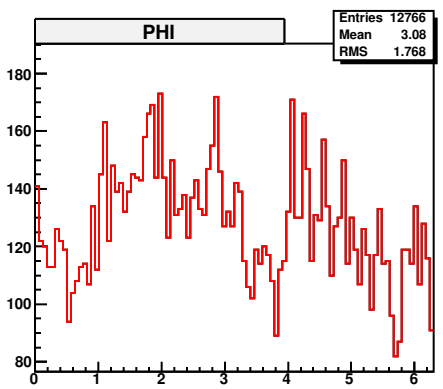


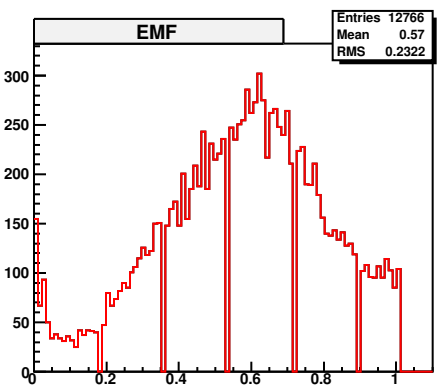
Jets (Cone R 0.7 (standard cuts))

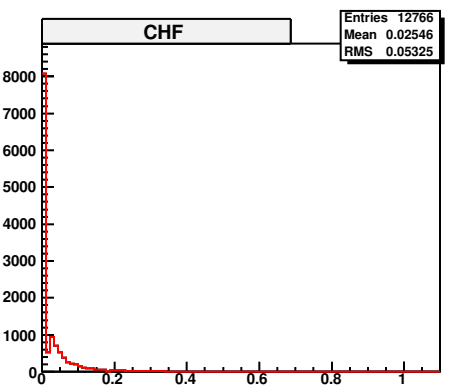


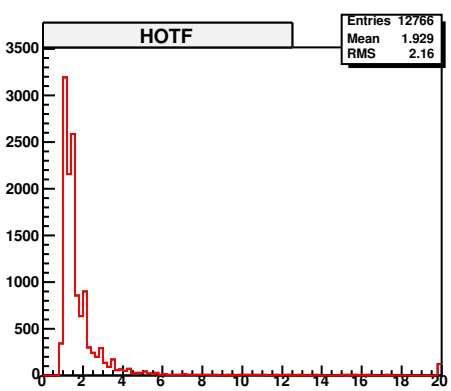


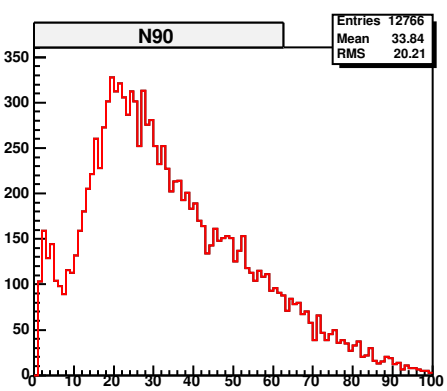


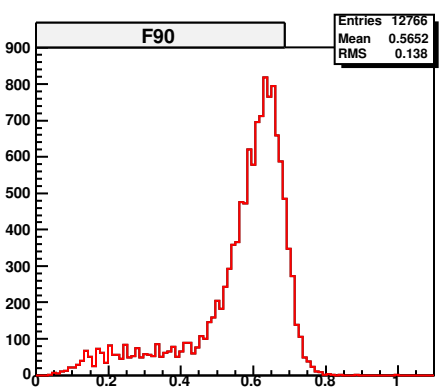


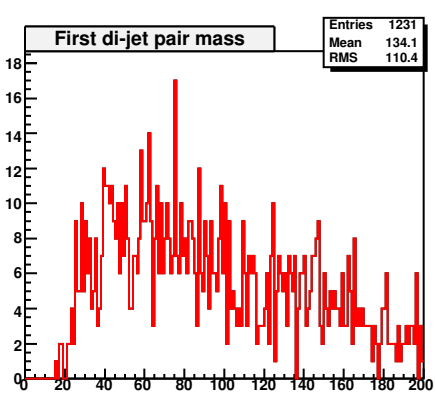


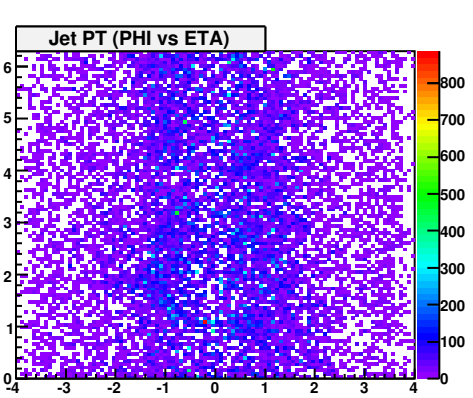




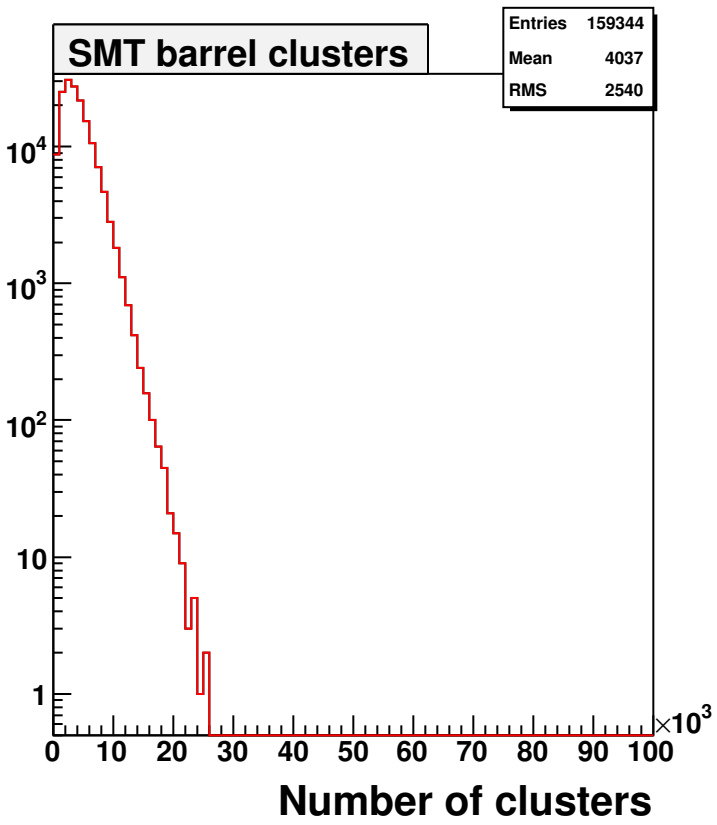


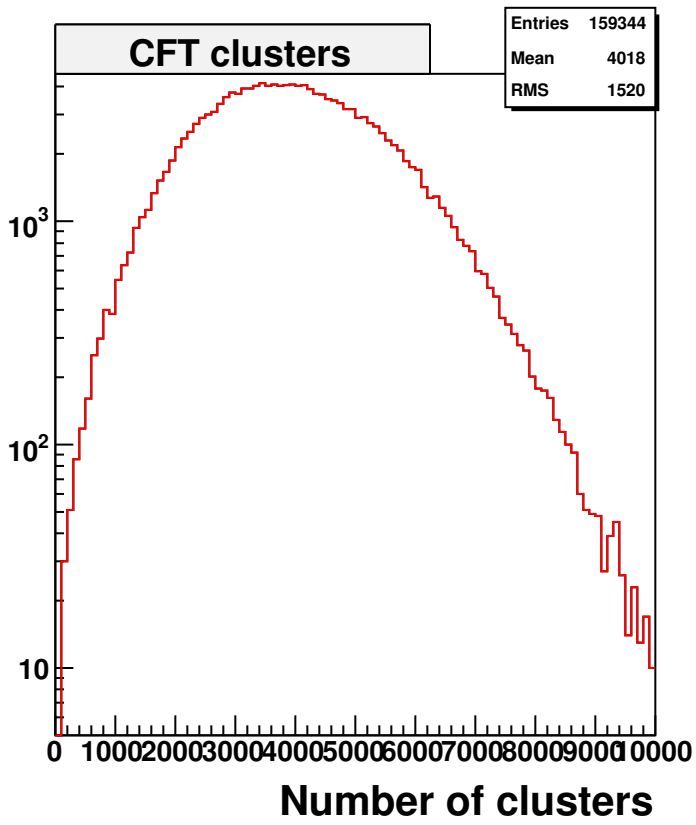


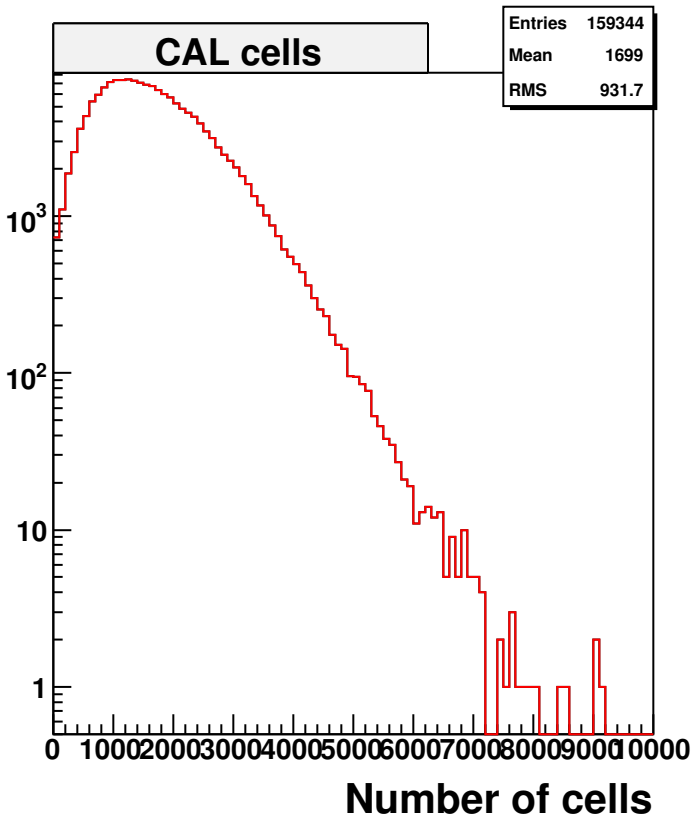


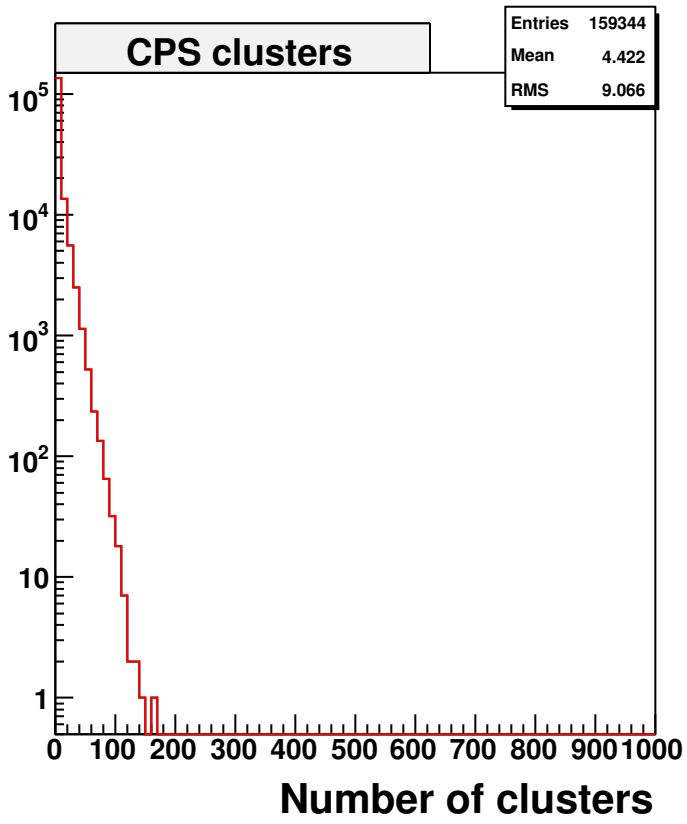


Jets (Cone R 0.7 (standard cuts, MET>30))

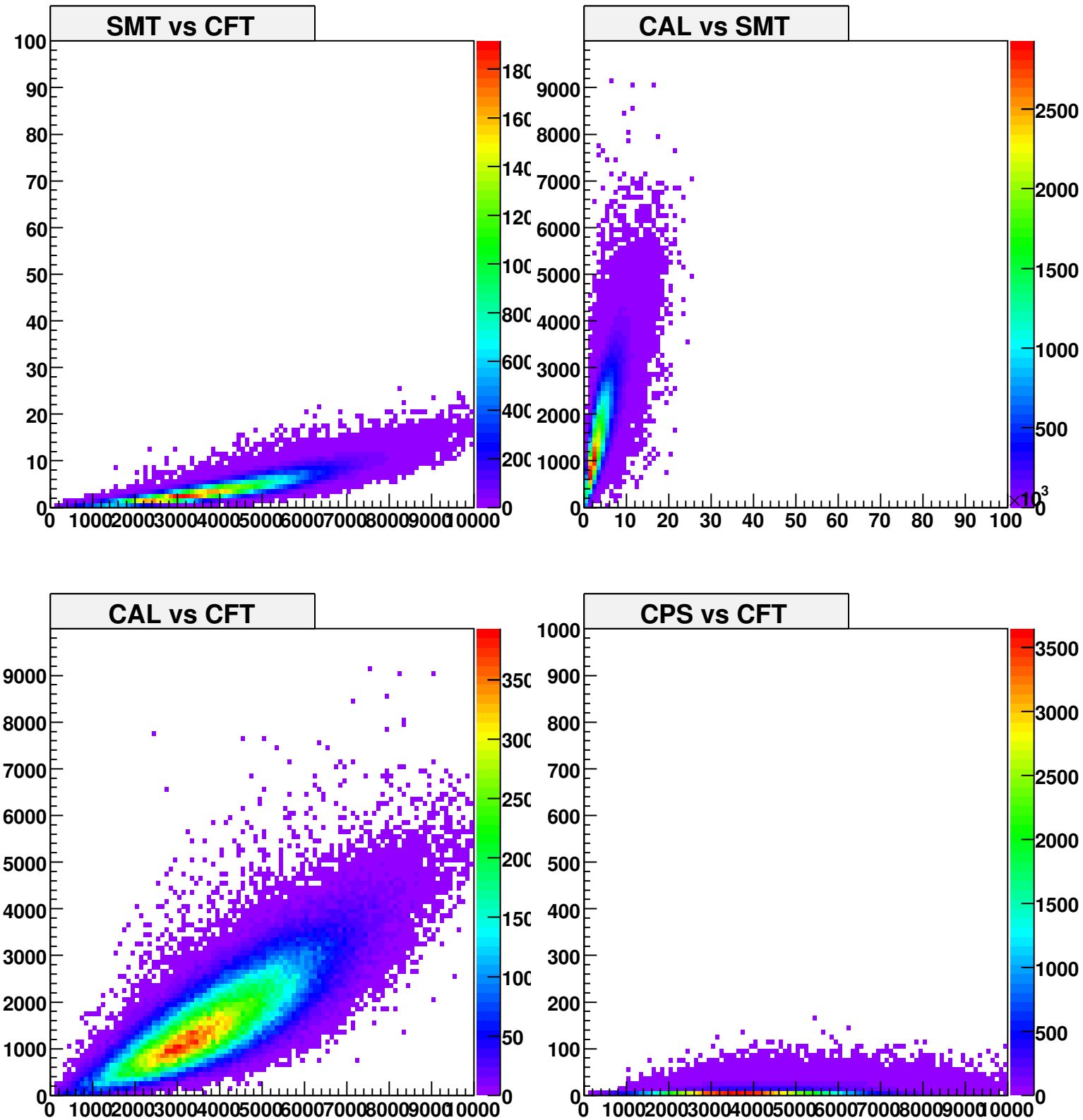




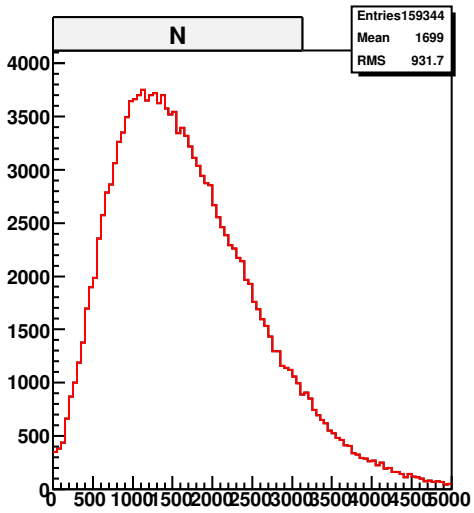


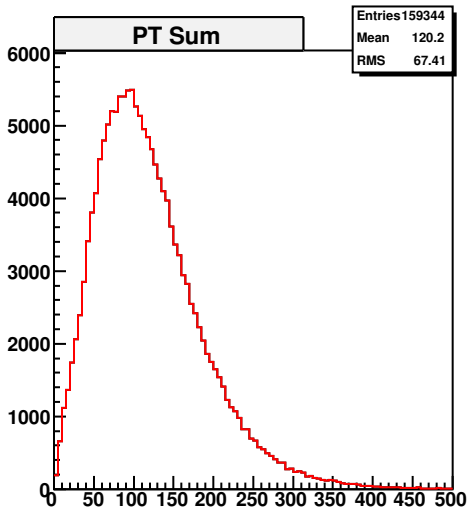


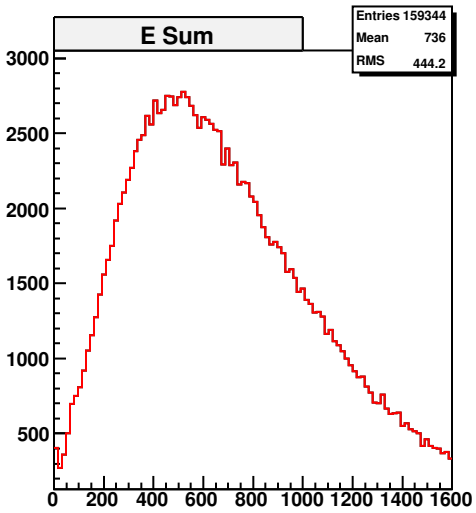
Detector Occupancy (Detector)

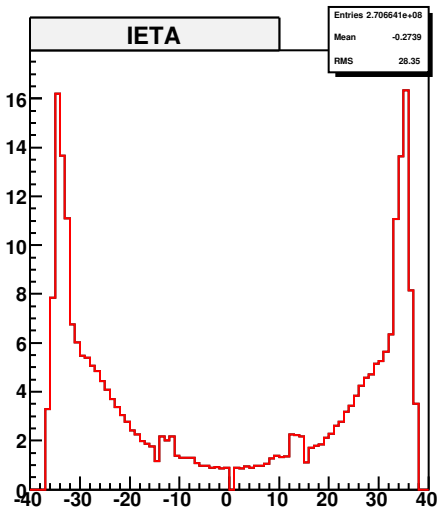


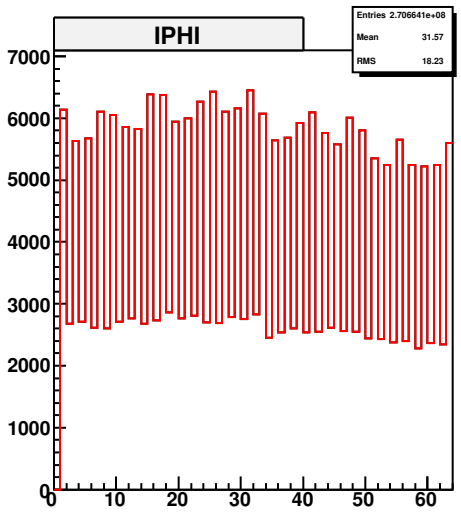
Detector Occupancy (Detector)

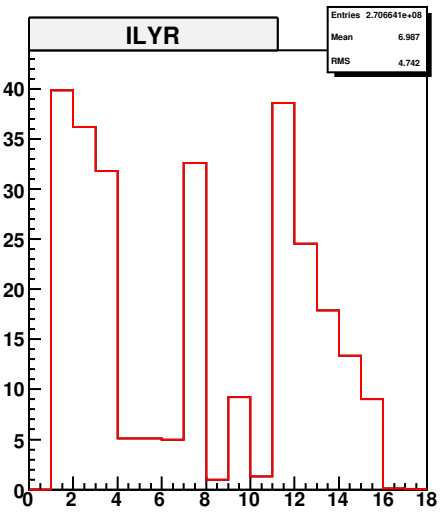


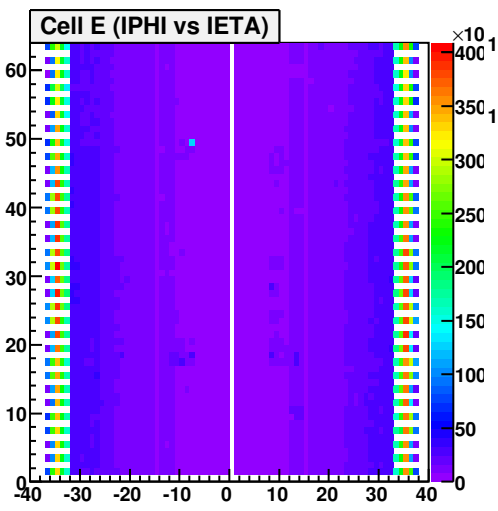


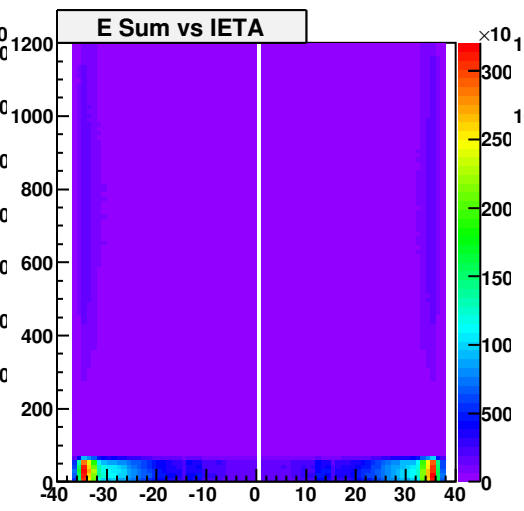


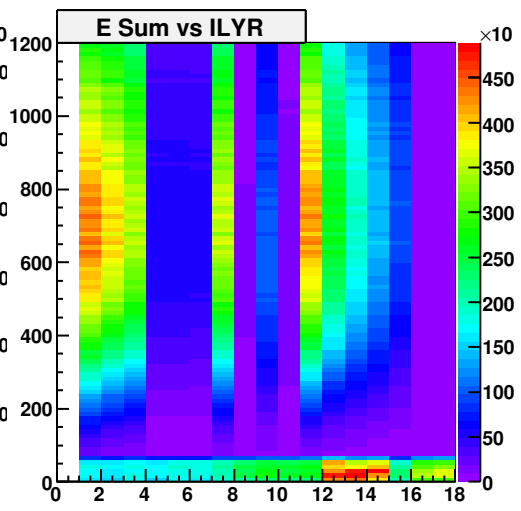




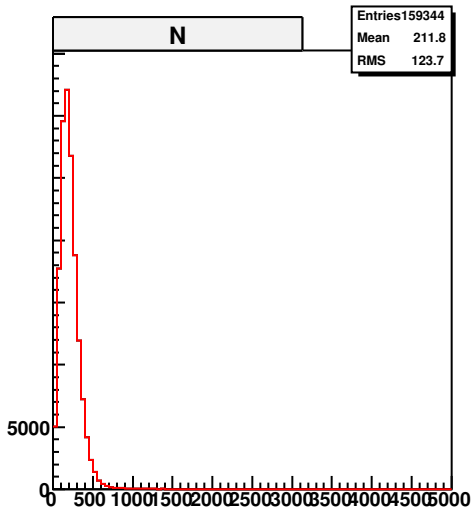


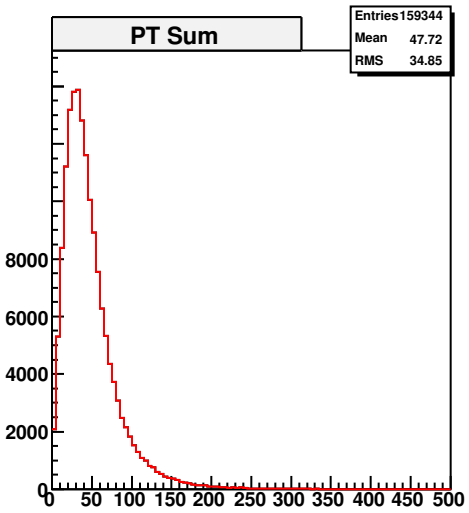


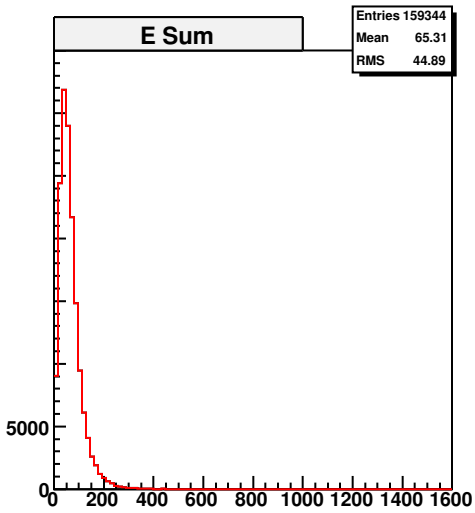


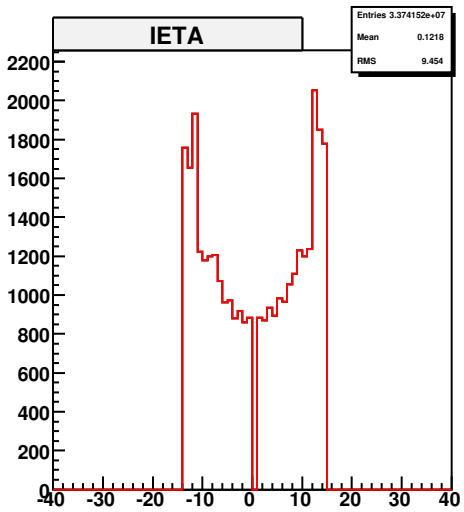


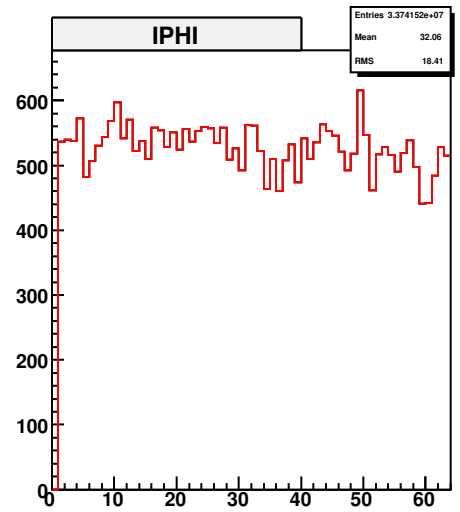
Calorimeter (All cells)

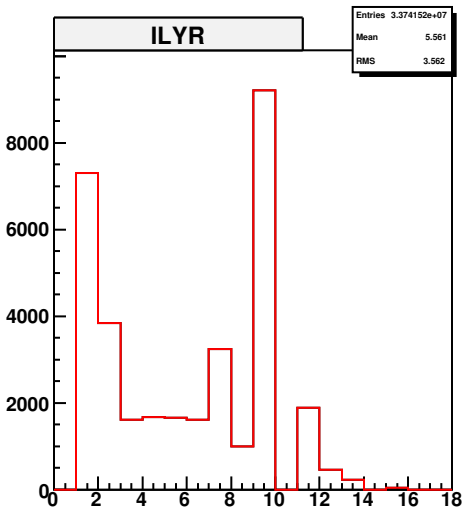


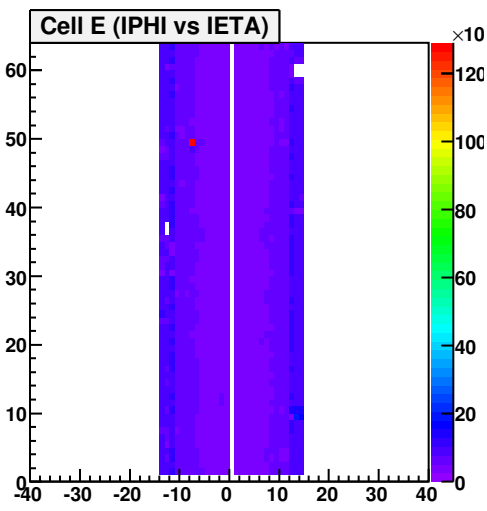


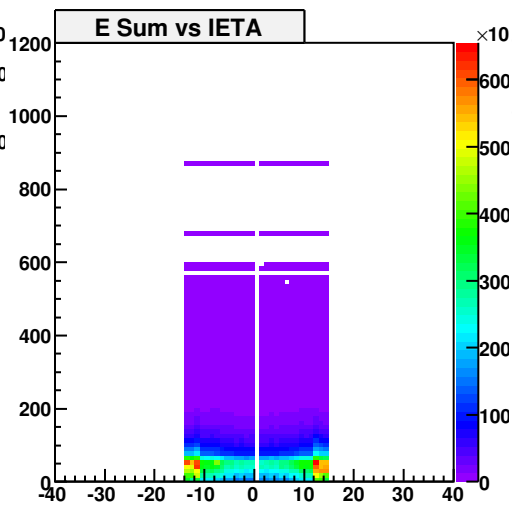


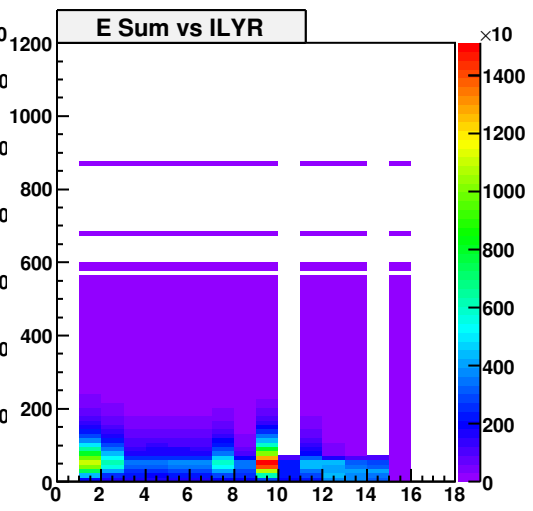




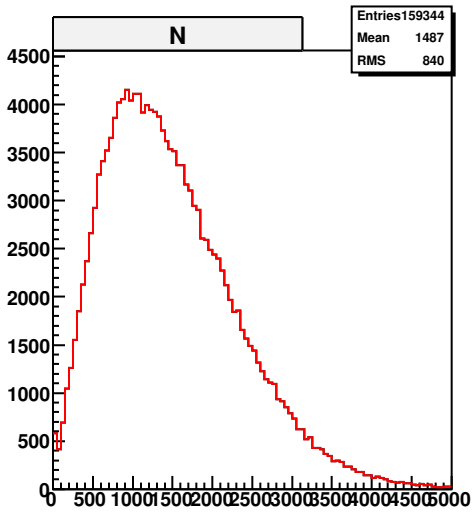


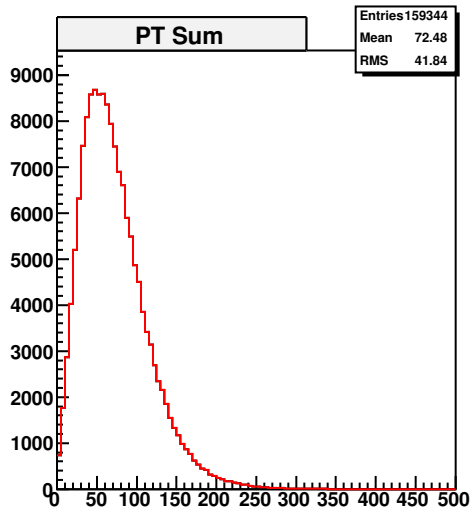


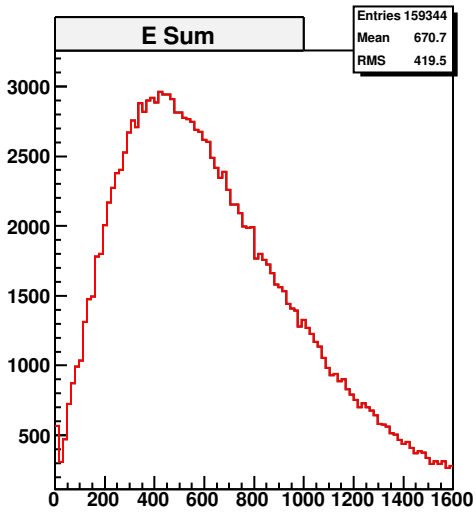


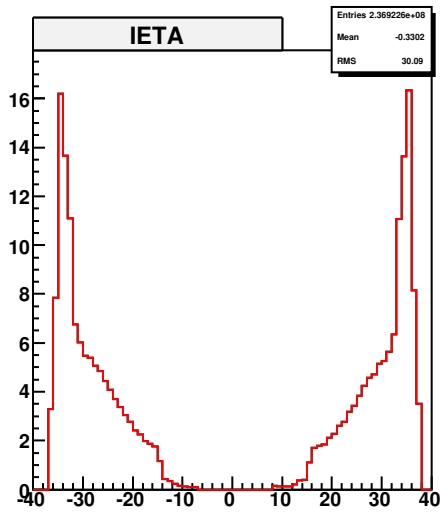


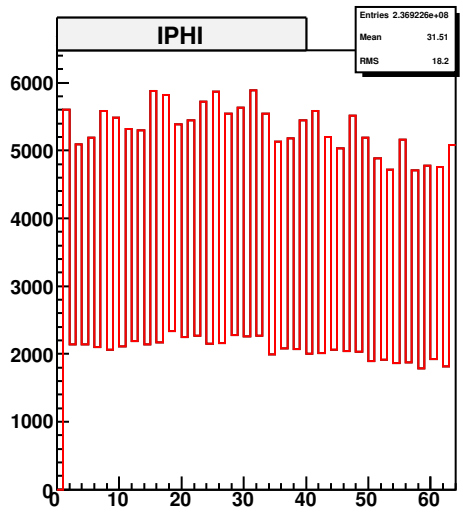
Calorimeter (All CC cells)

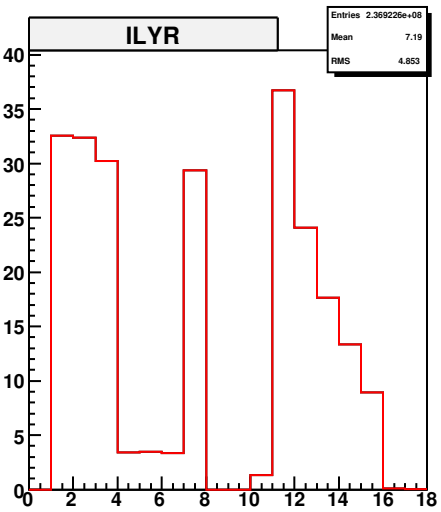


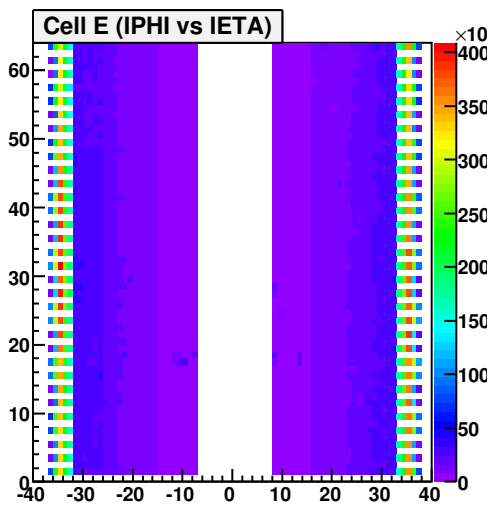


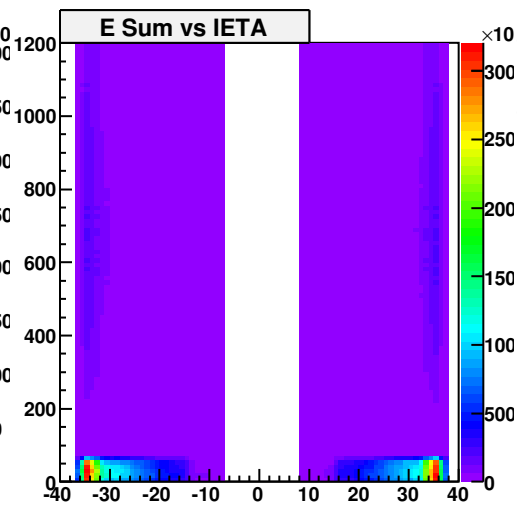


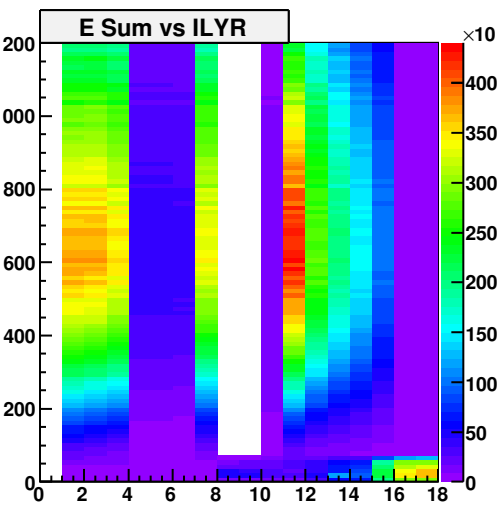




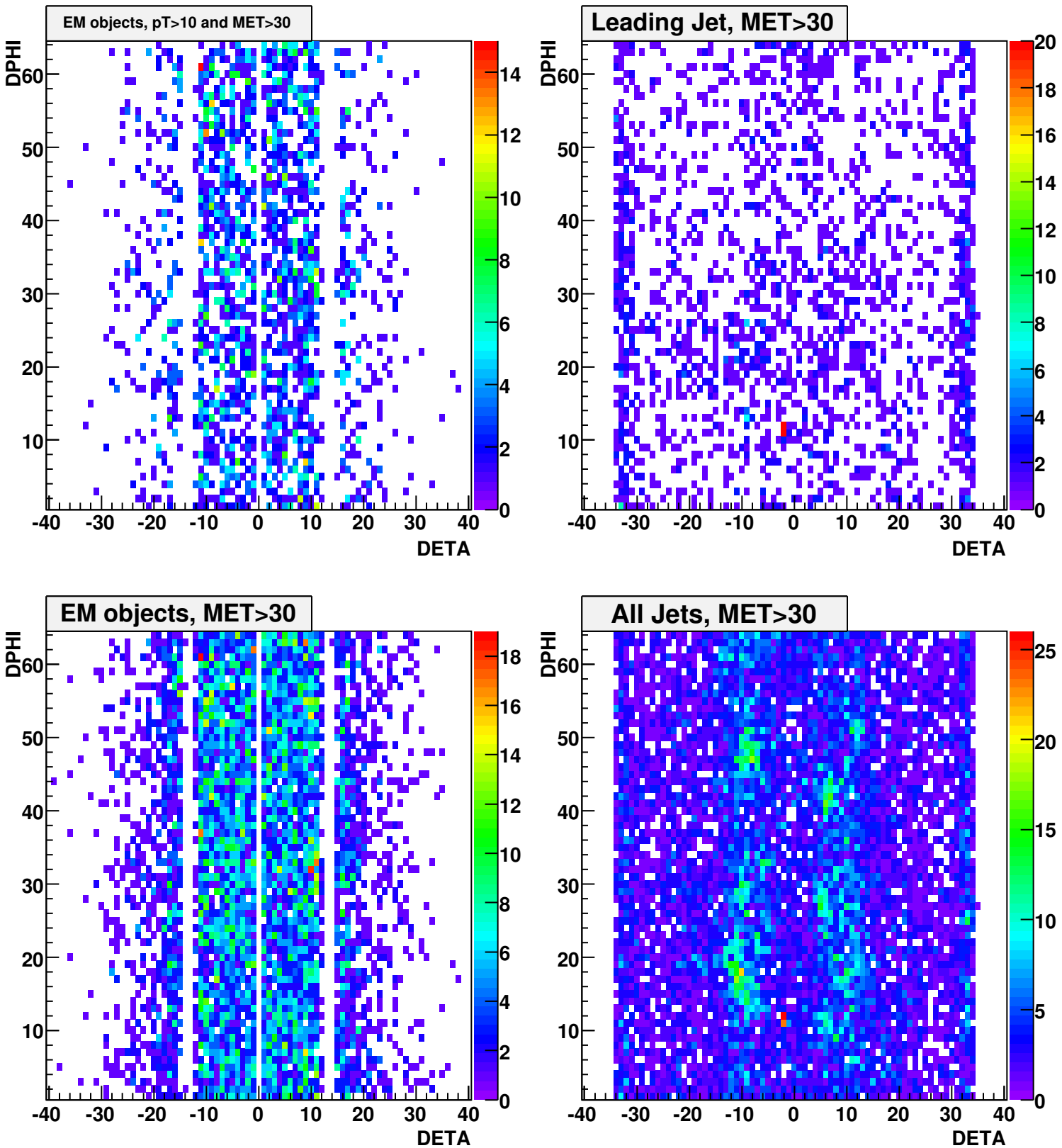




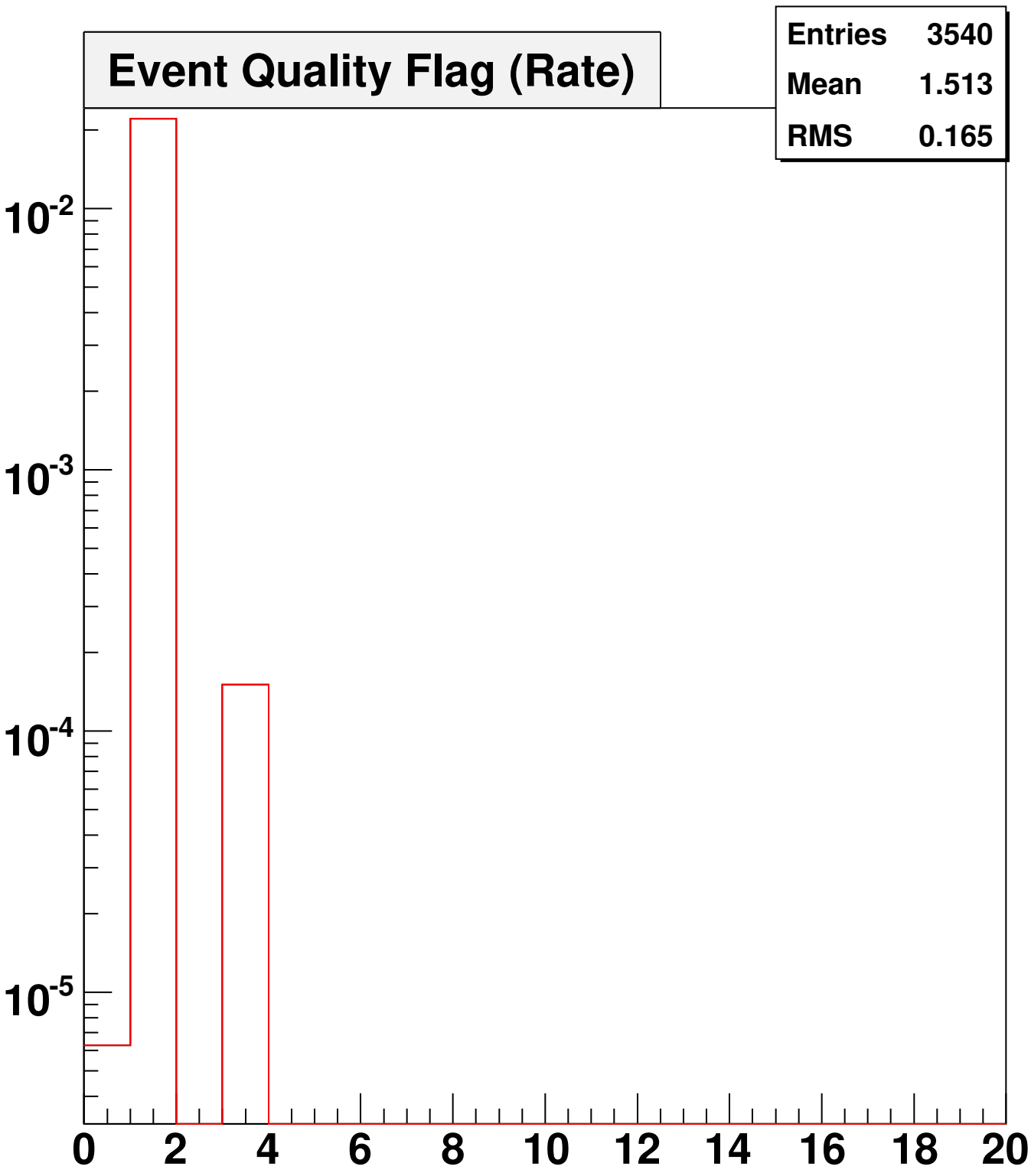


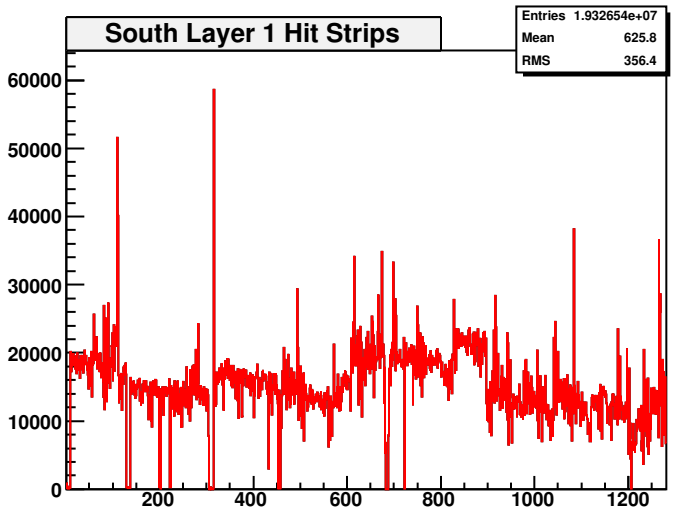


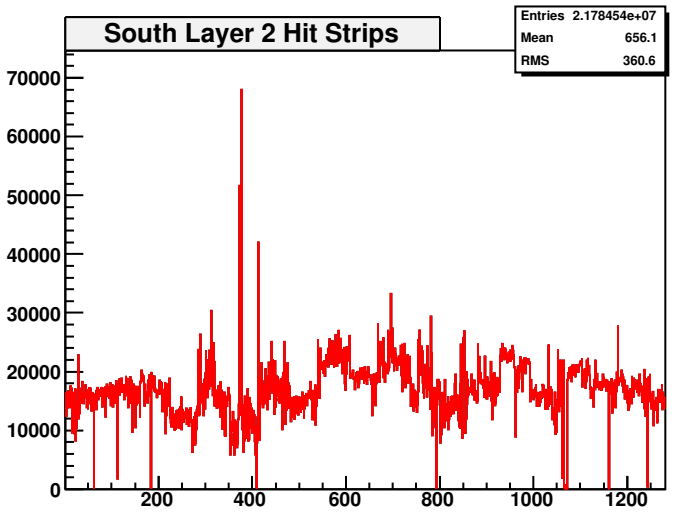
Calorimeter (All EC cells)

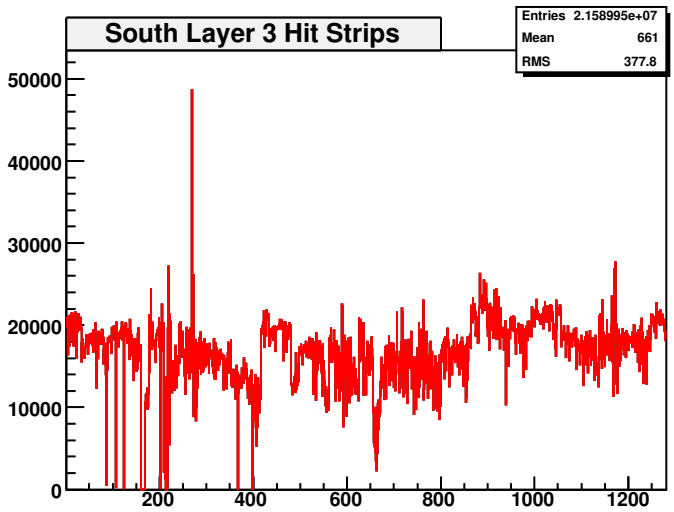


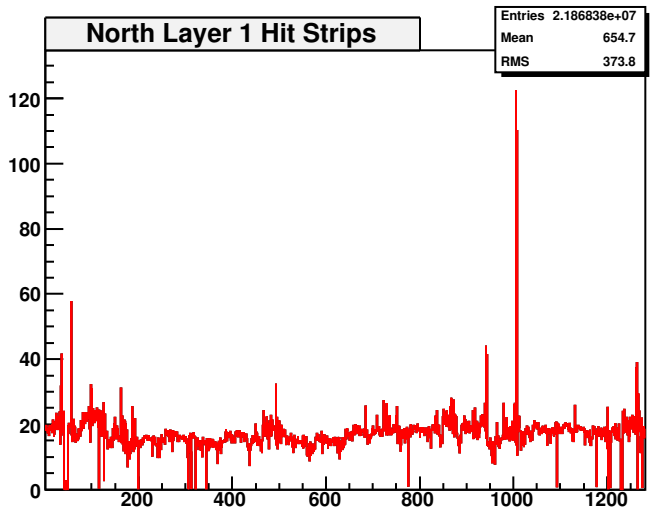
Cal Objects with MET>30 (All cells)

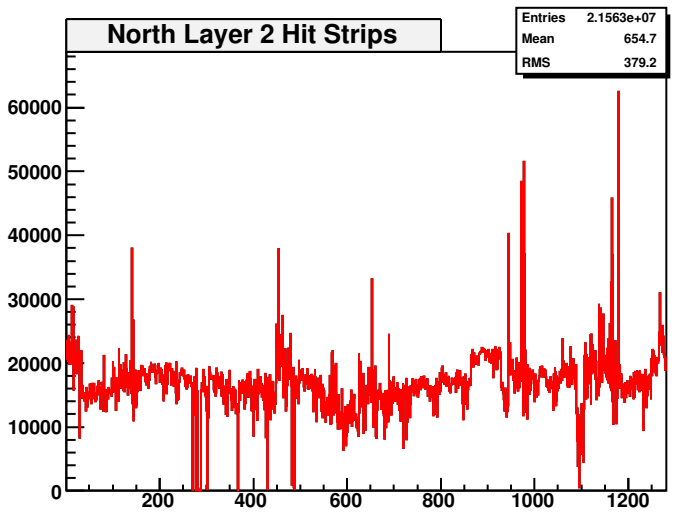

Event Quality Flag (Rate)
Entries 3540
Mean 1.513
RMS 0.165
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

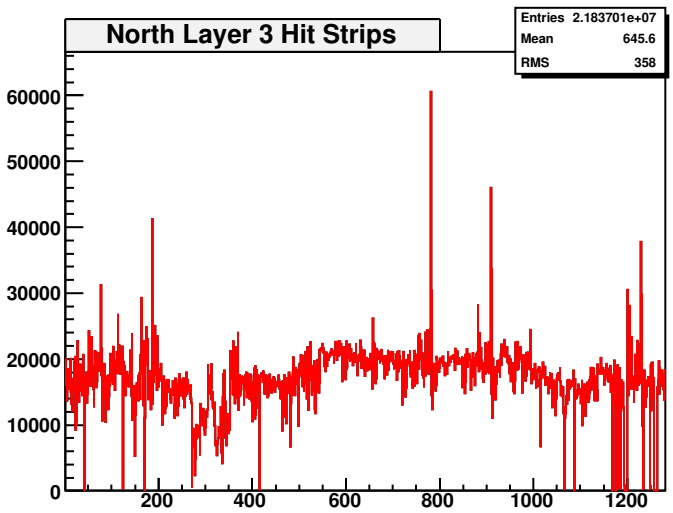




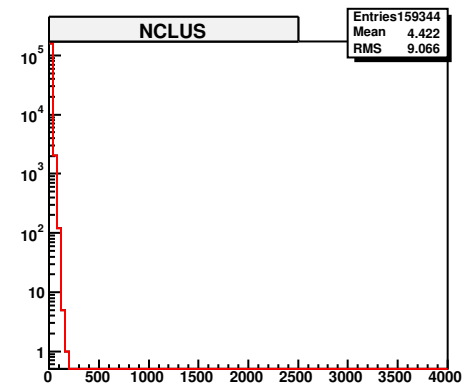


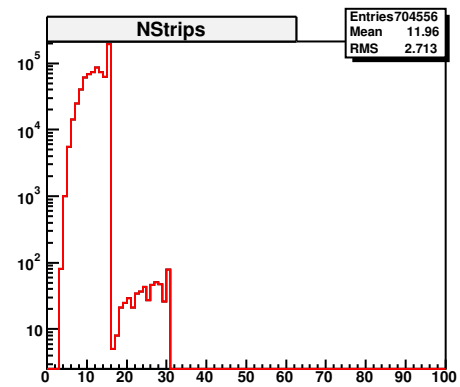


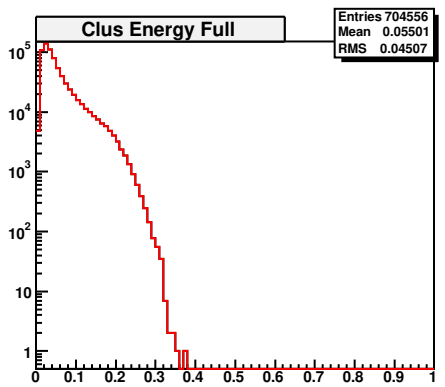


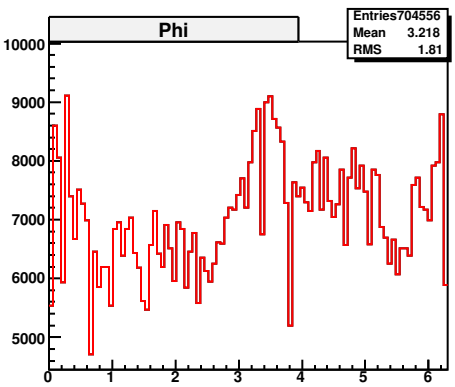


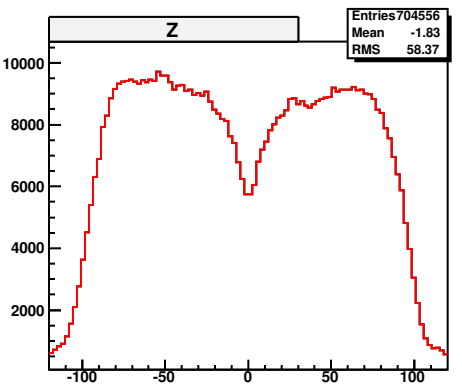
CPS Hit Strips (All Clusters)

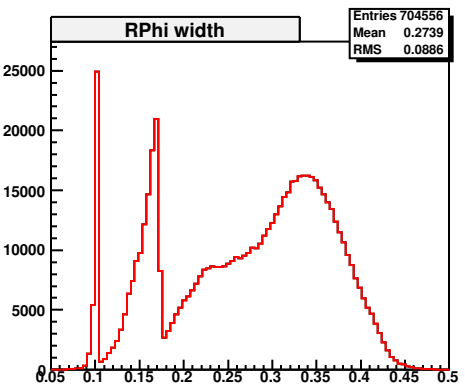


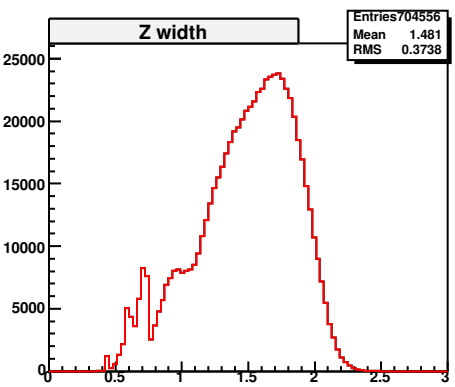


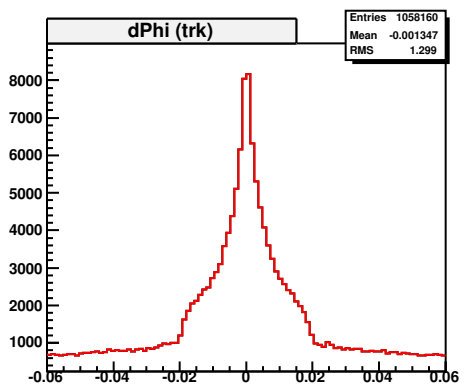


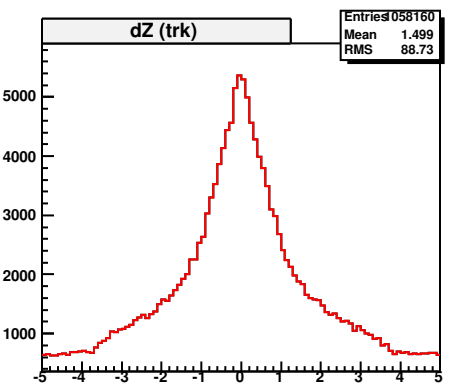


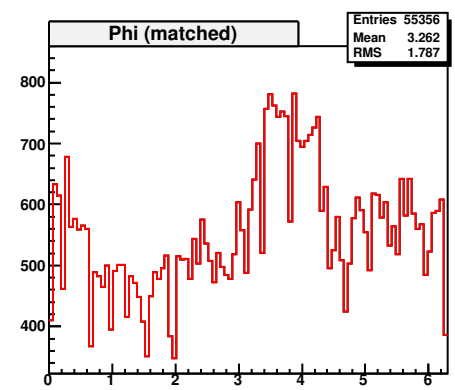


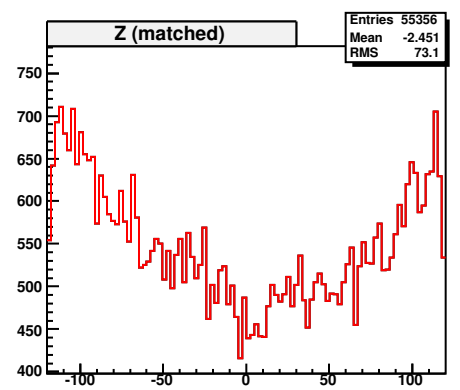




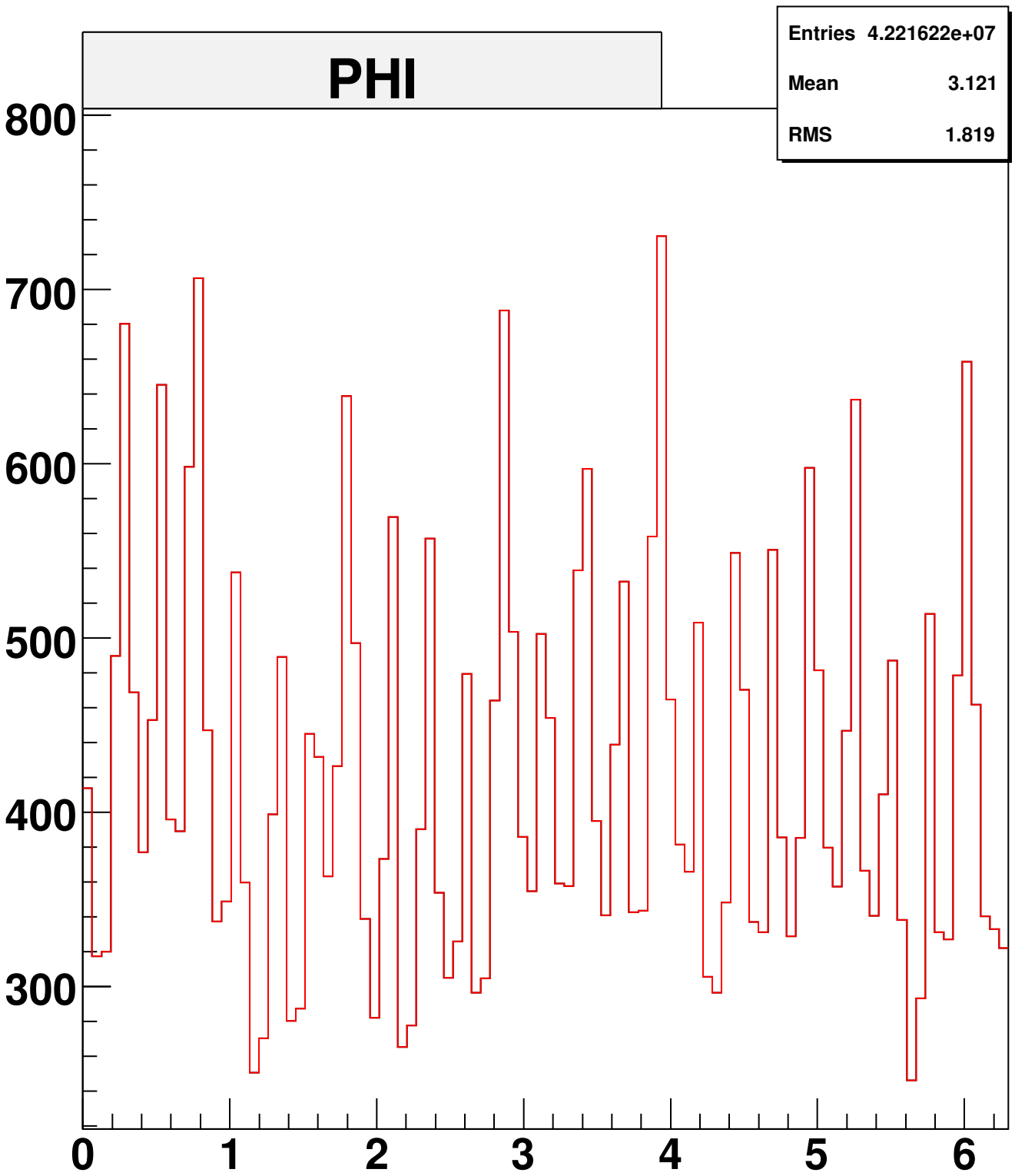








CPS Clusters (All Clusters)


PHI
Entries 4.221622e+07
Mean 3.121
RMS 1.819
800
700
600
500
400
300
0
1
2
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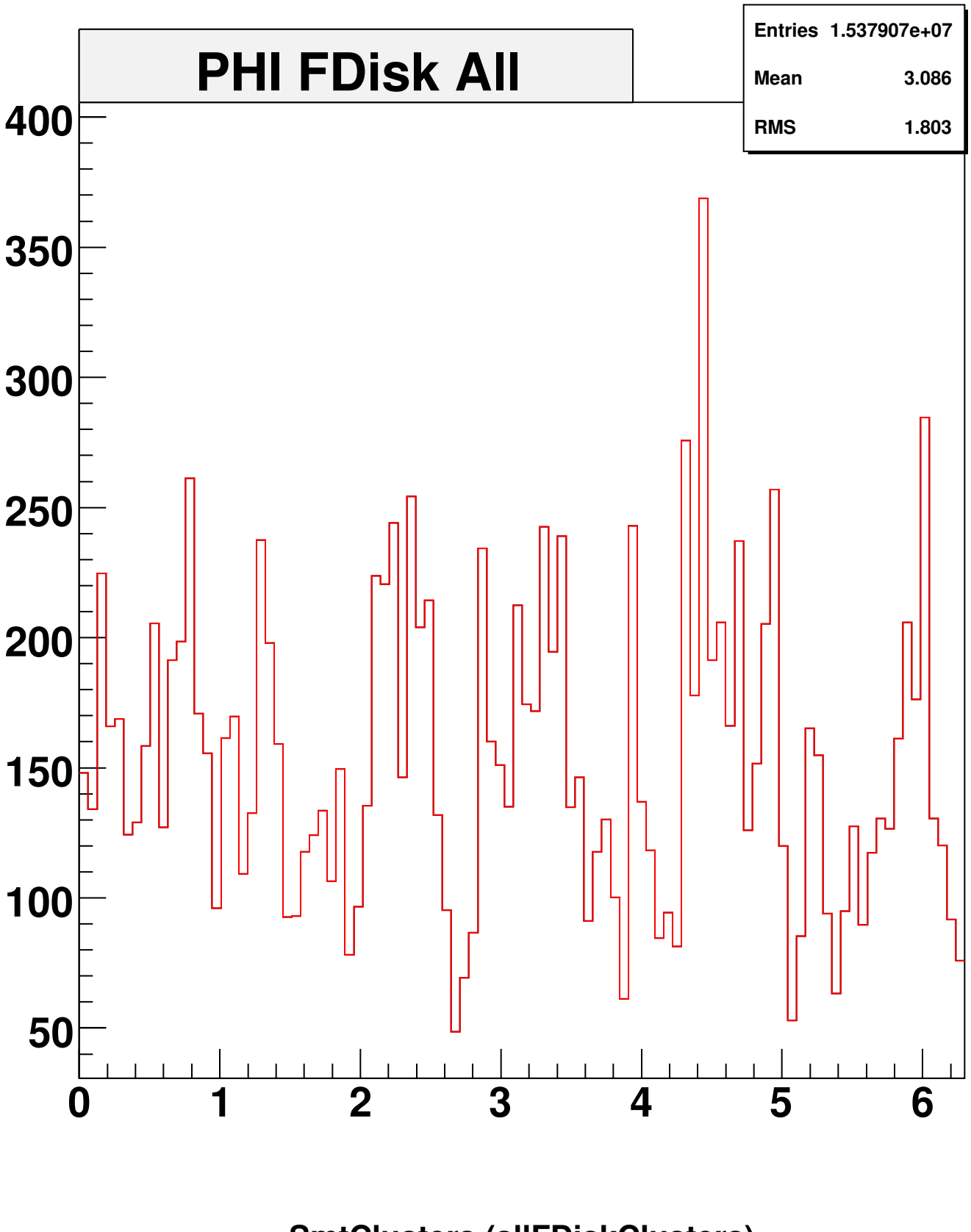
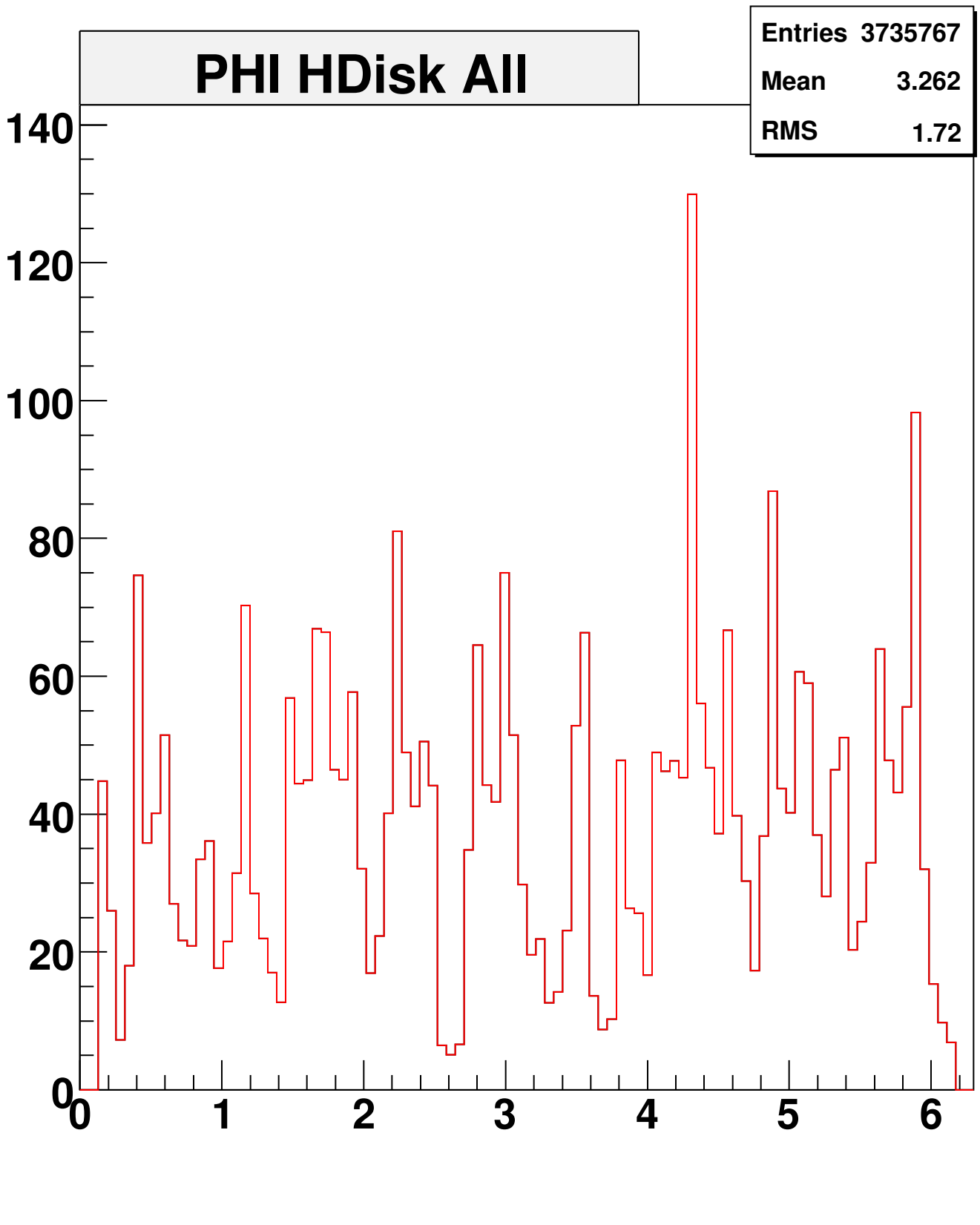
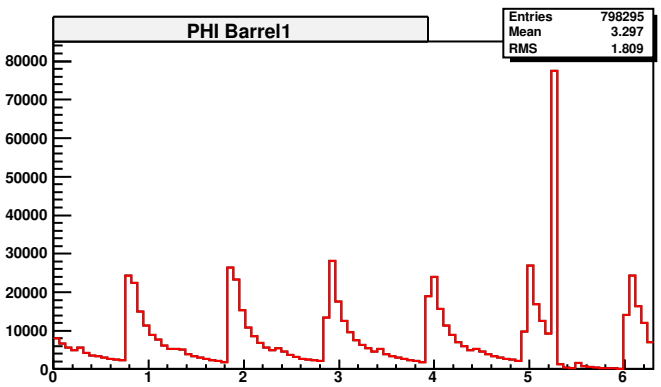
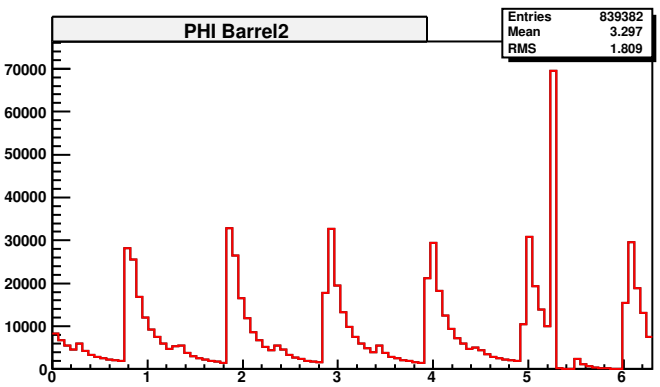
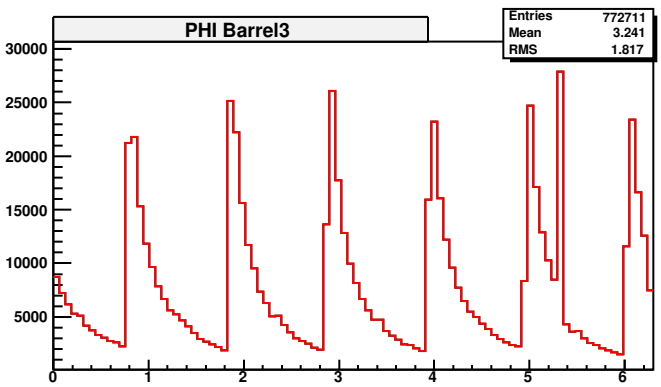
5
6
SmtClusters (allBarClusters)

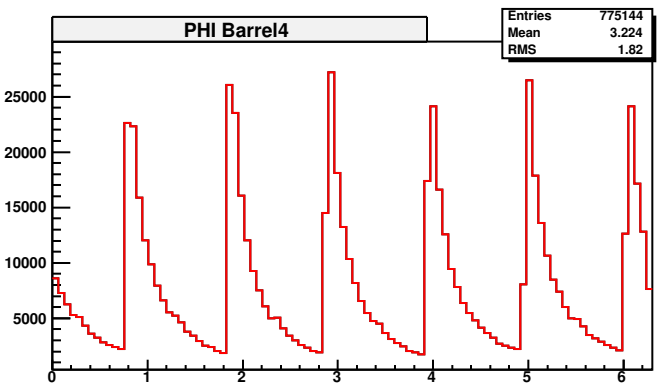

PHI FDisk All
Entries 1.537907e+07
Mean 3.086
RMS 1.803
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

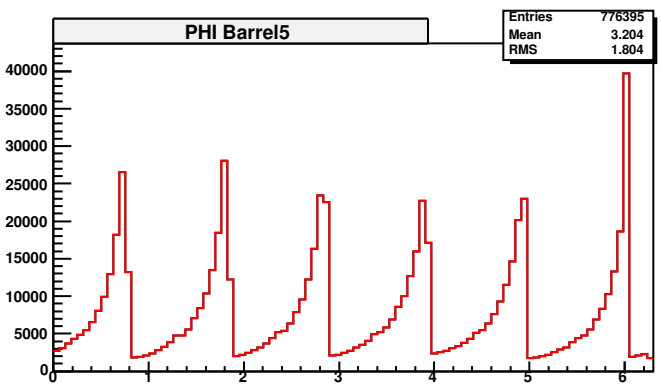

PHI HDisk All
Entries 3735767
Mean 3.262
RMS 1.72
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

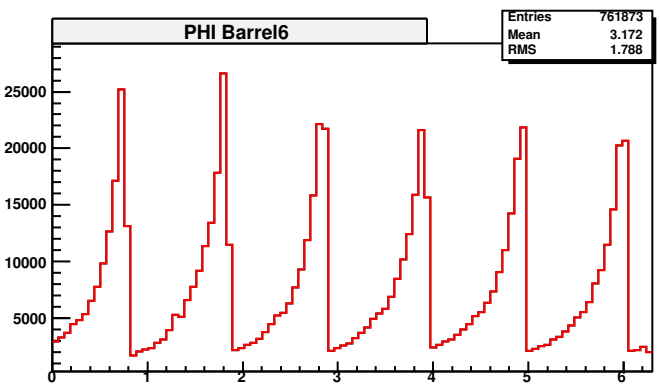


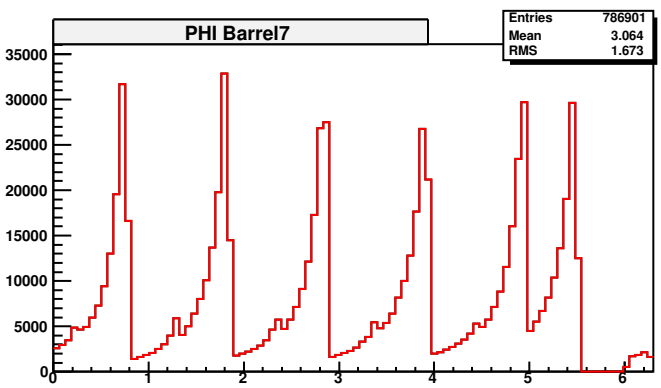


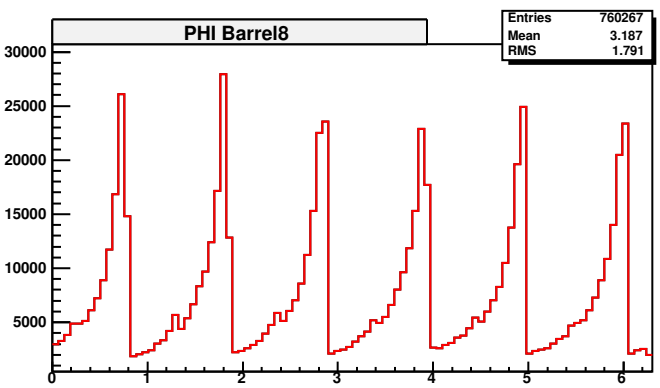




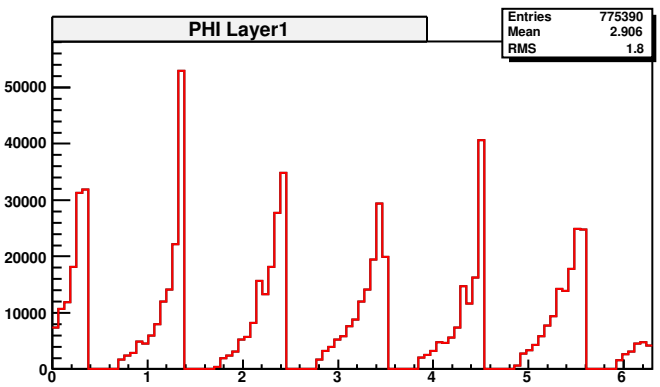


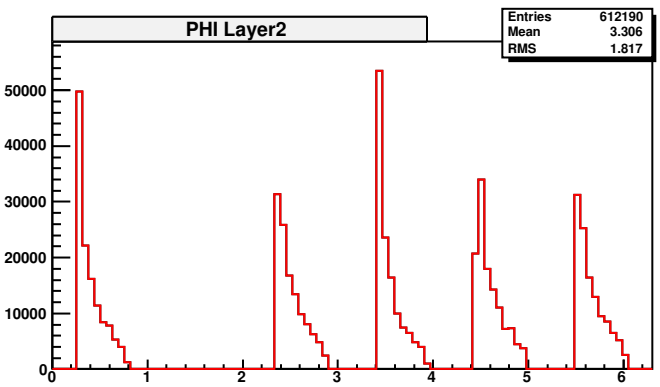


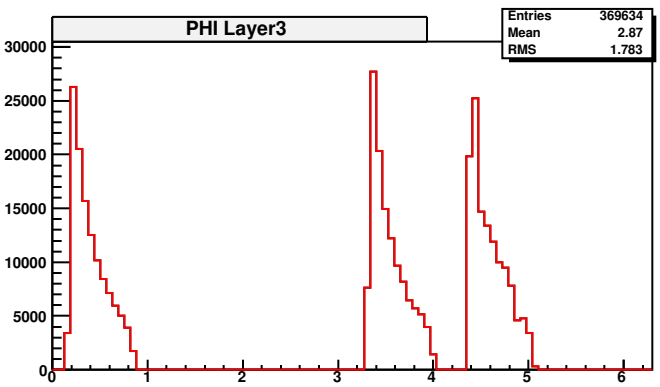


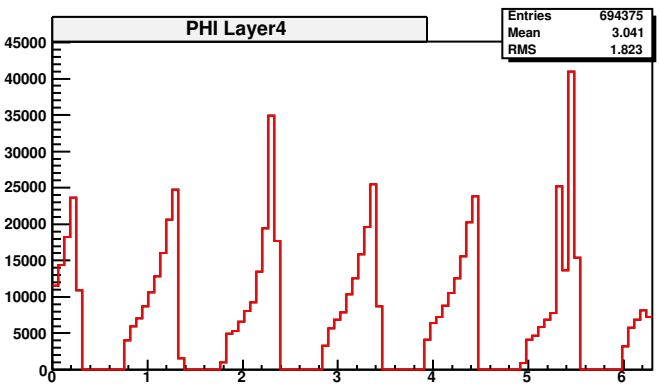


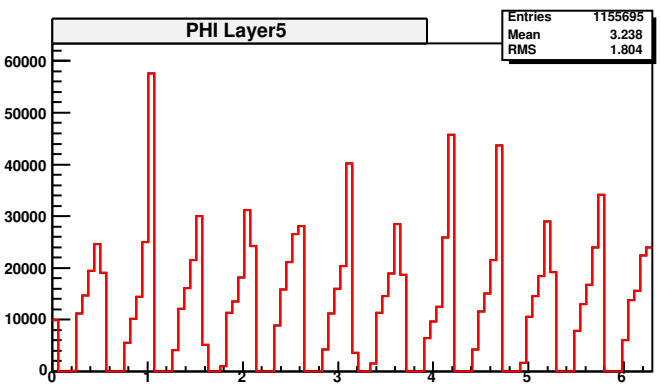
SmtClusters (ClustrLayer0)

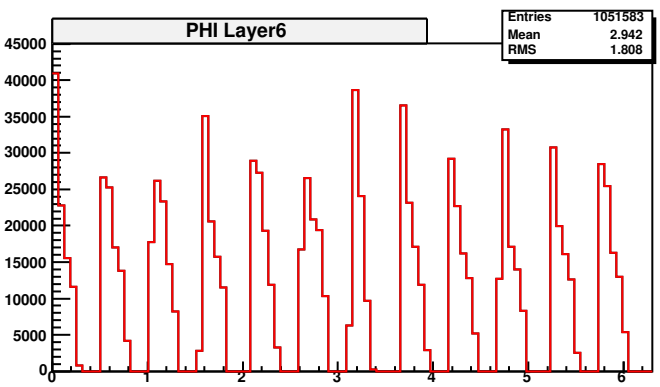


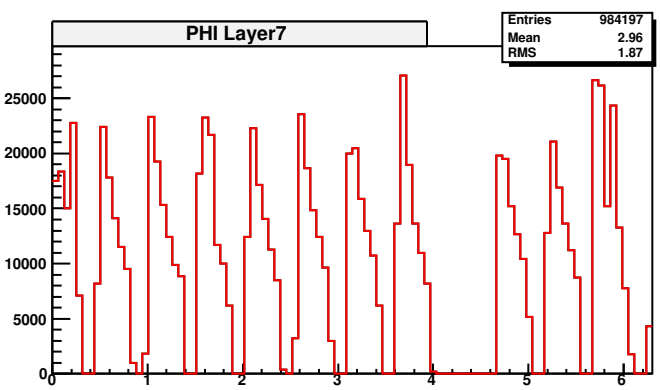


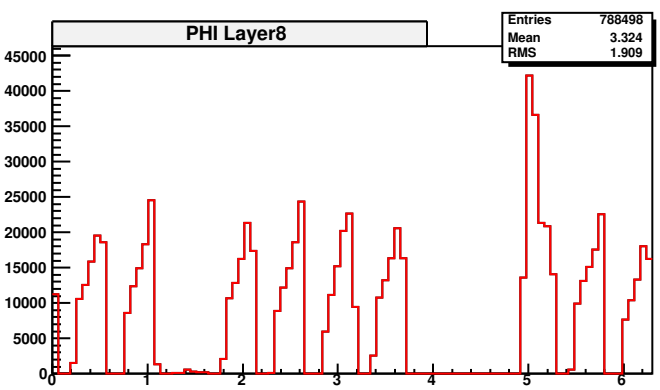




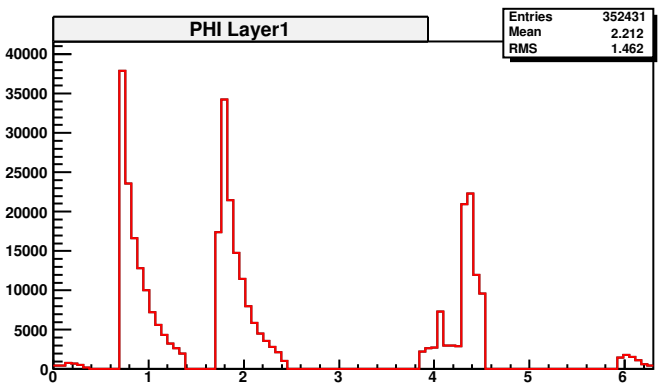


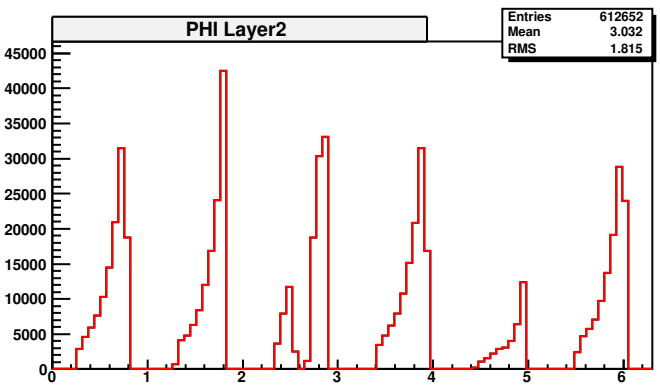


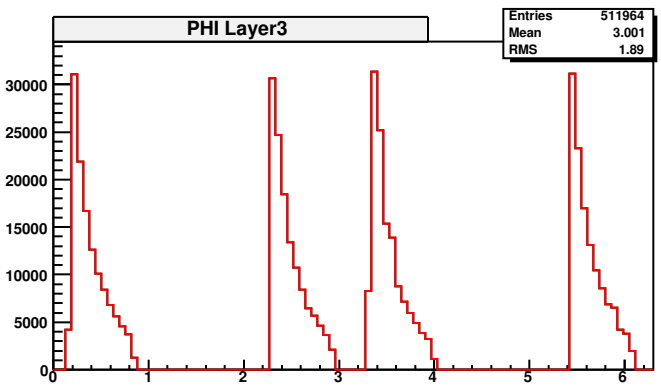


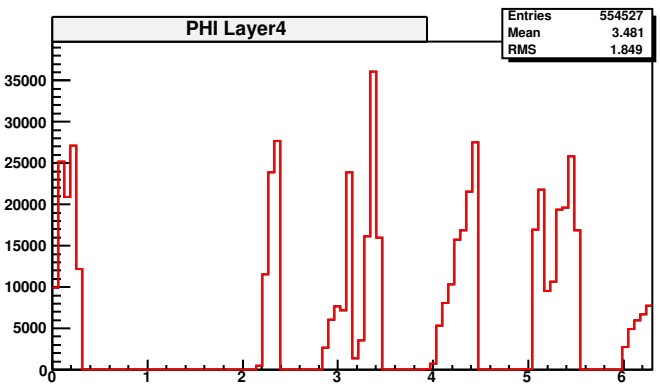


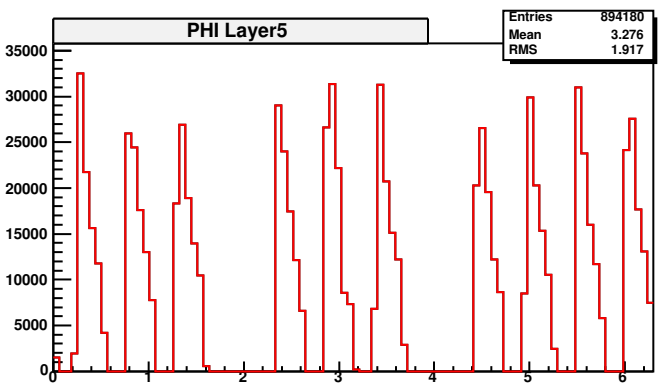
SmtClusters (ClustrBar1)

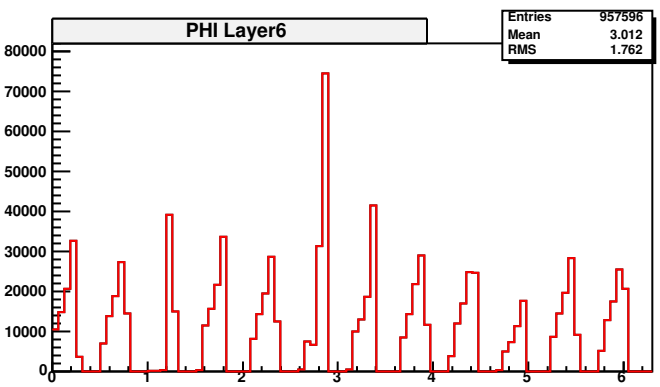


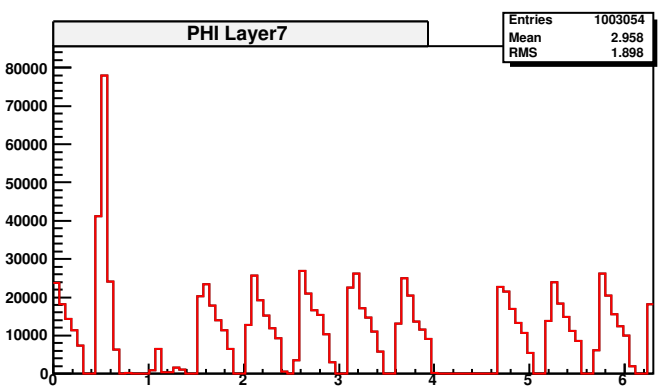


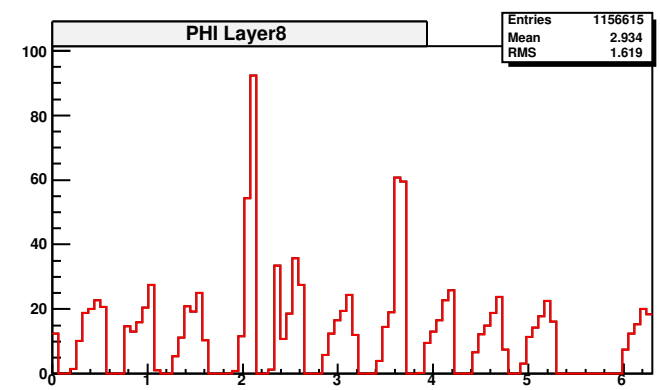




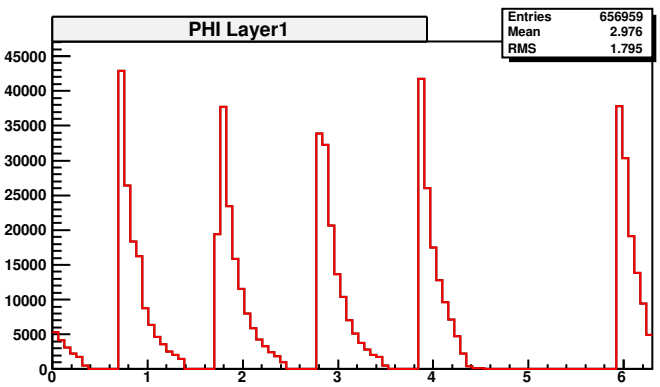


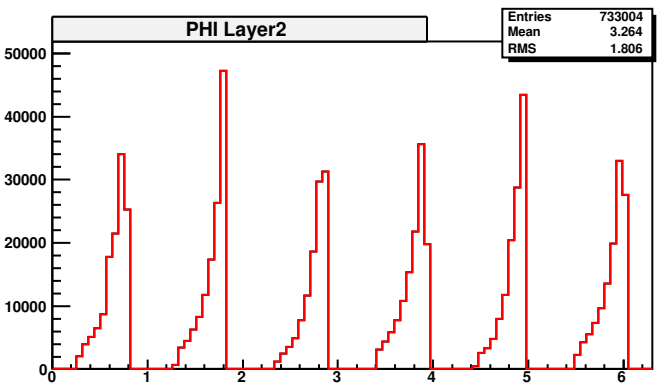


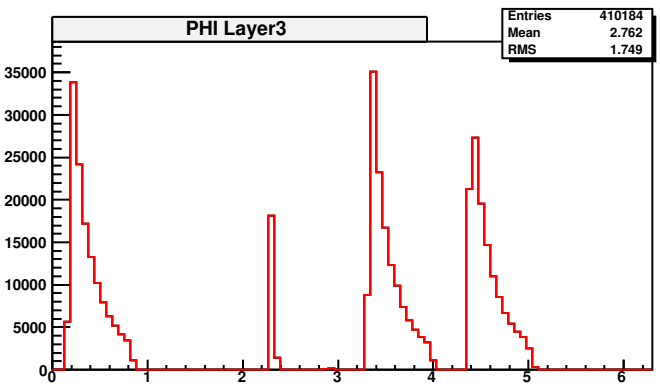


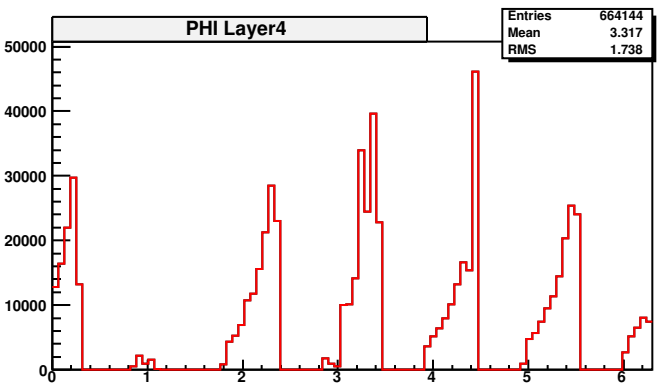


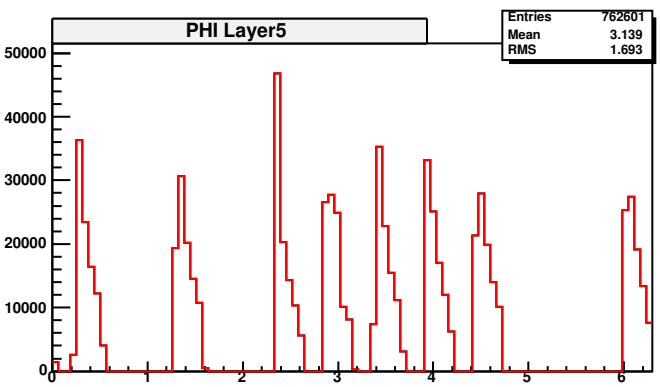
SmtClusters (ClustrBar2)

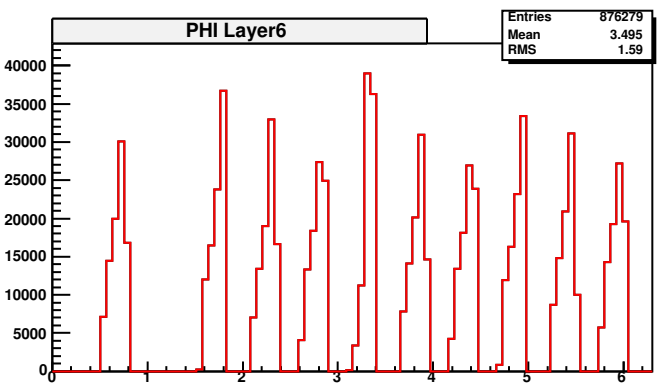


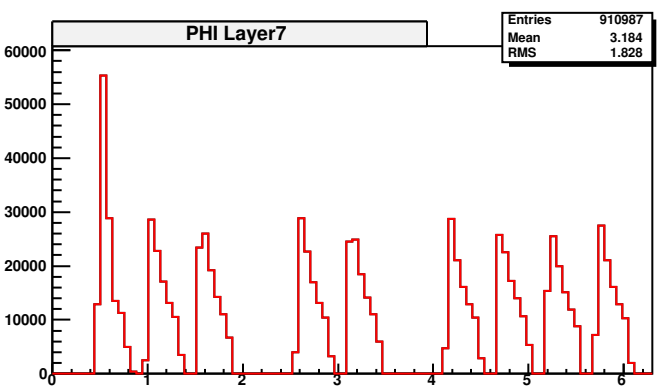


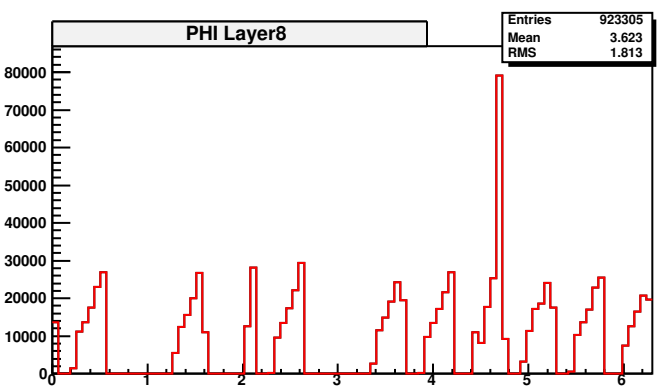




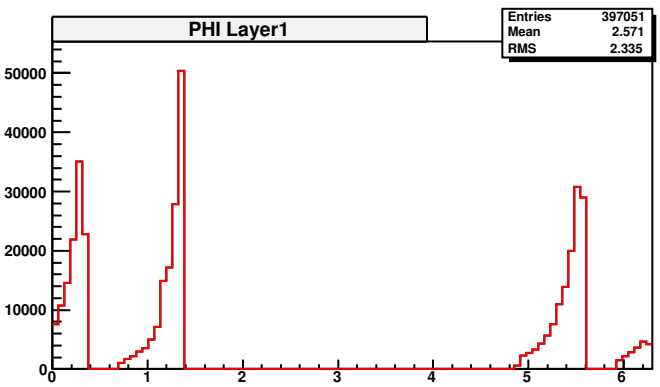


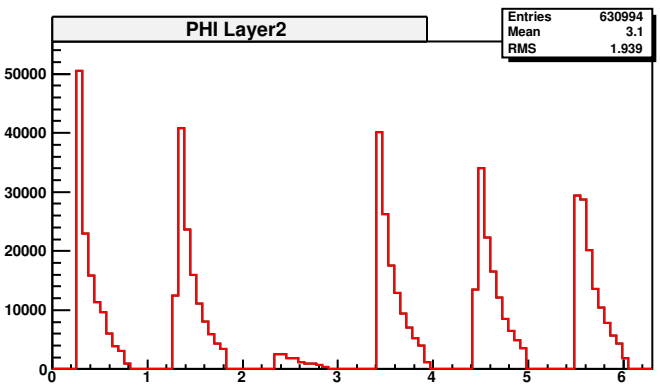


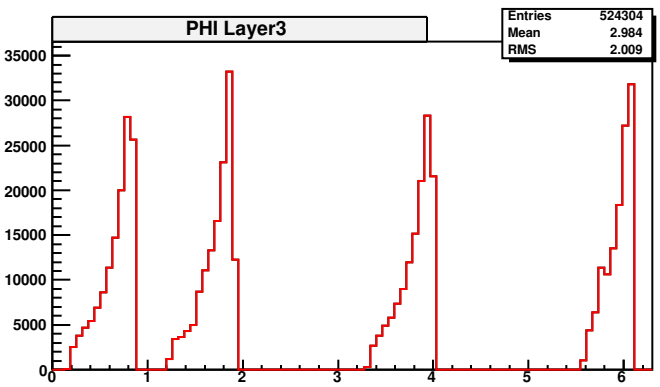


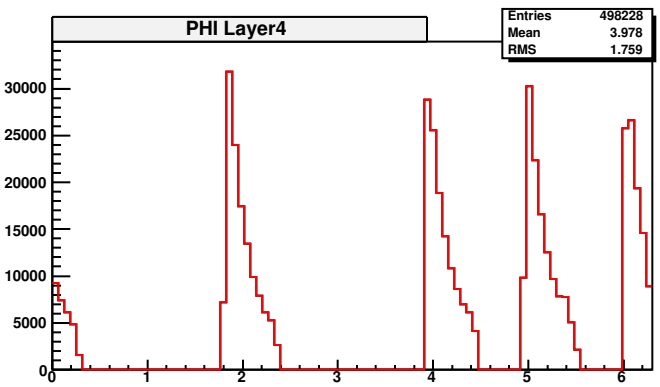


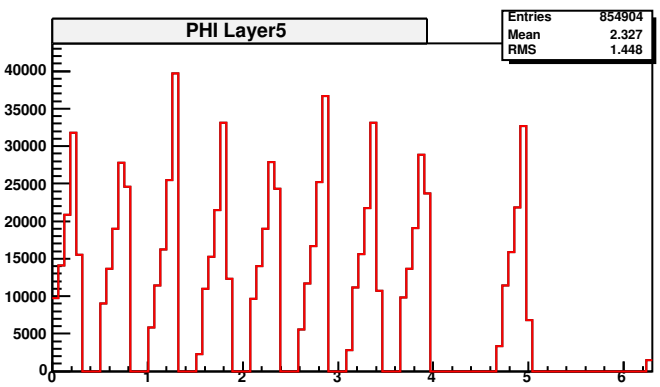
SmtClusters (ClustrBar3)

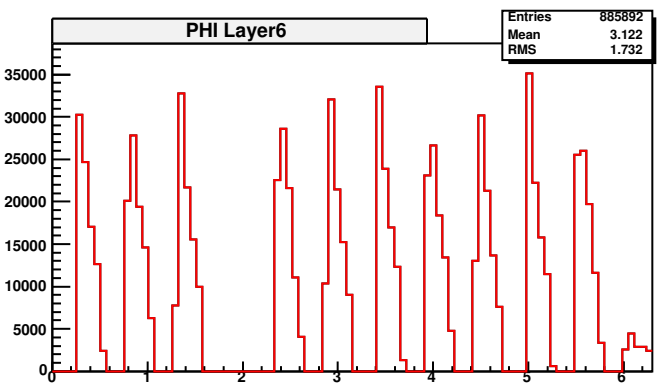


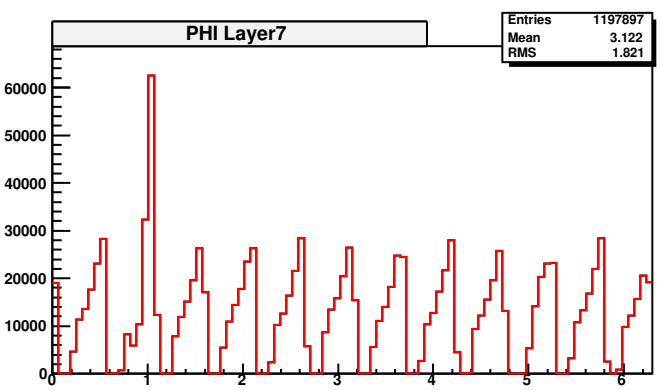


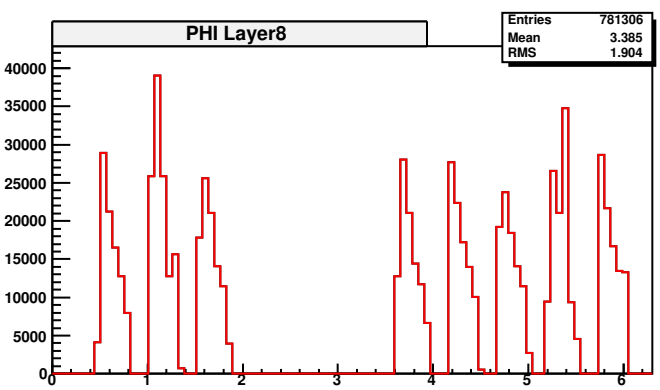




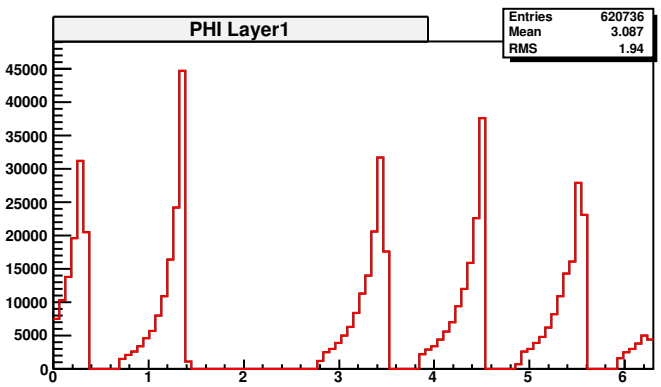


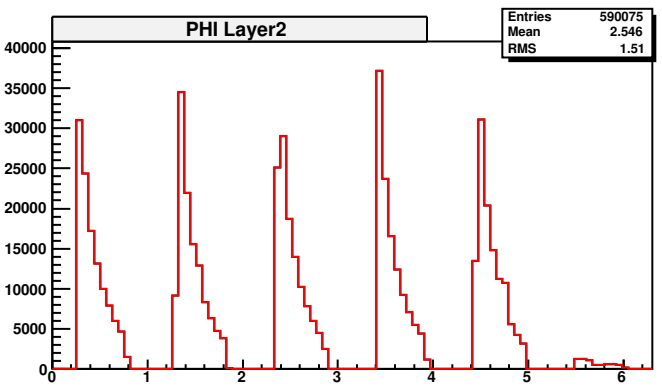


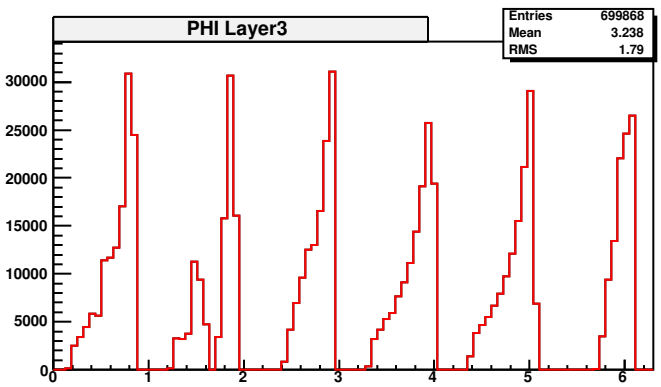


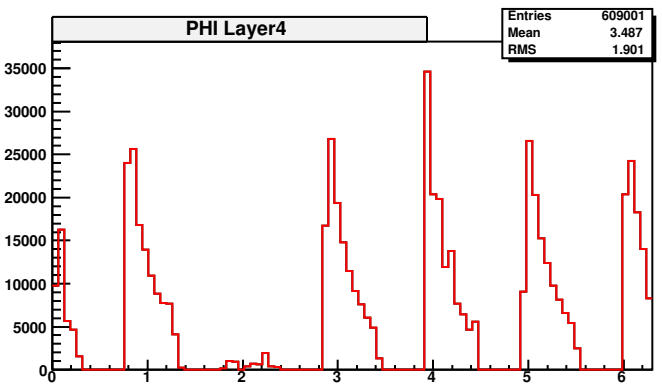


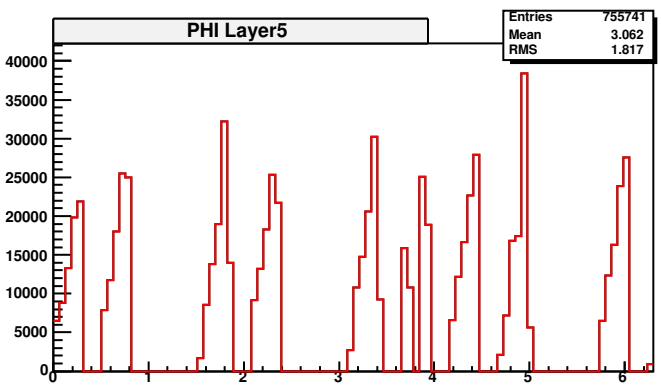
SmtClusters (ClustrBar4)

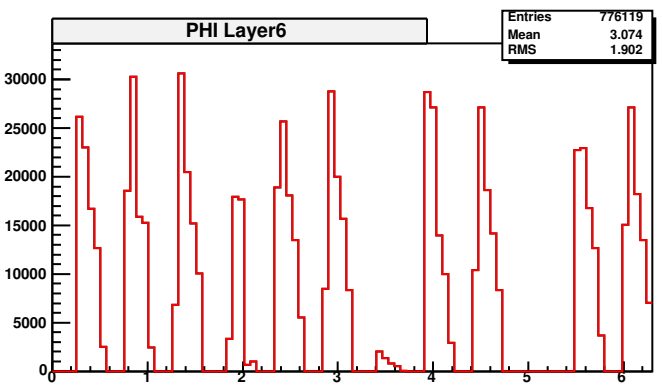


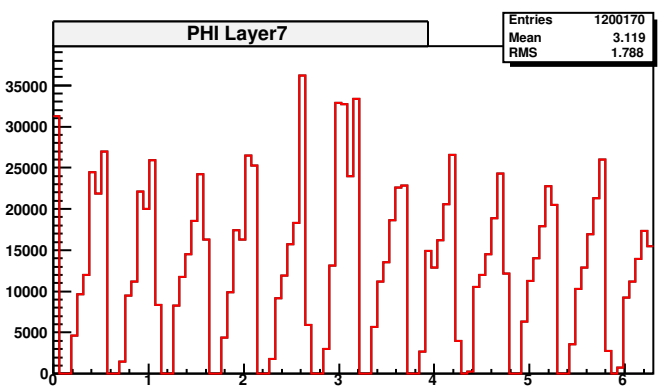


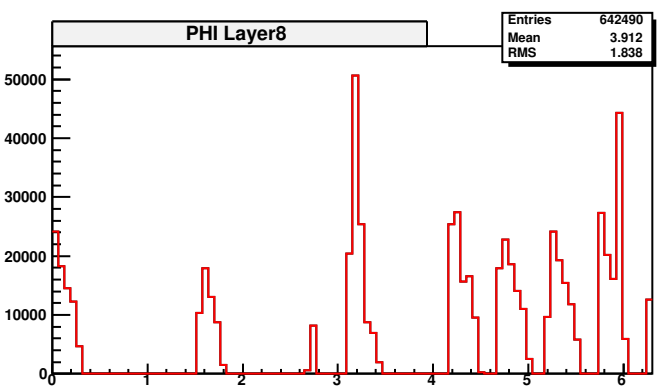




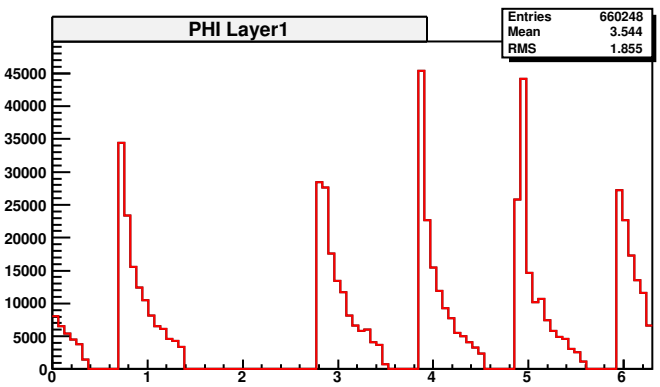


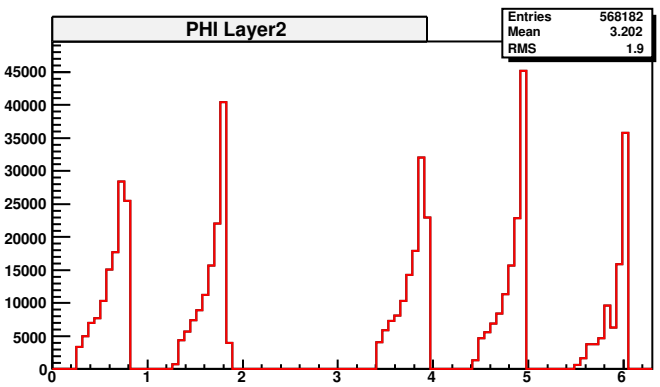


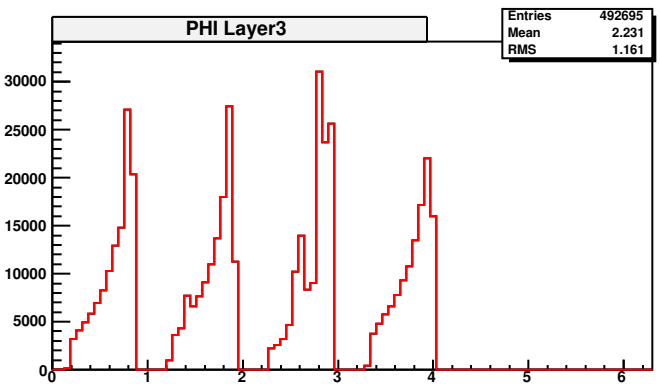


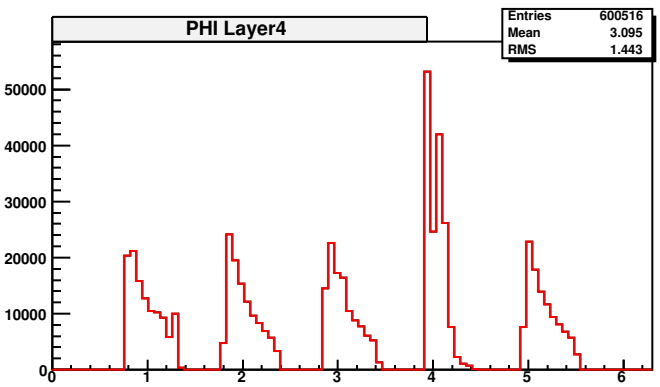


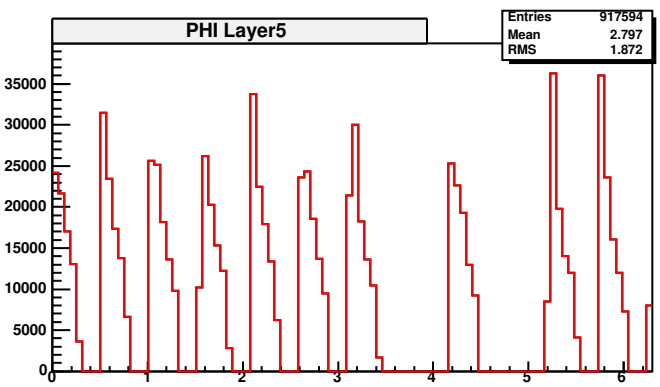
SmtClusters (ClustrBar5)

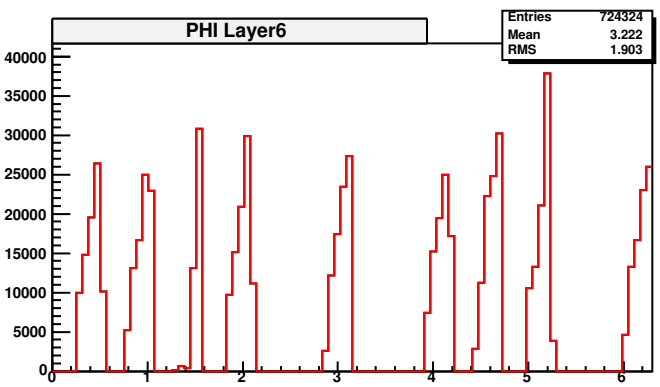


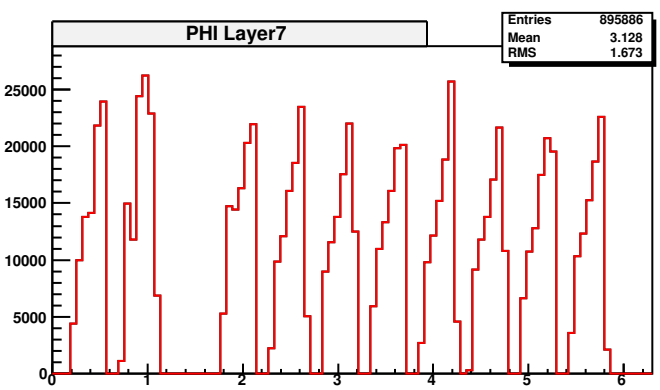


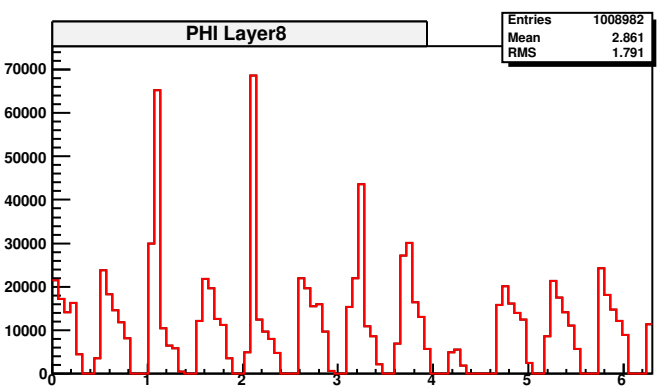




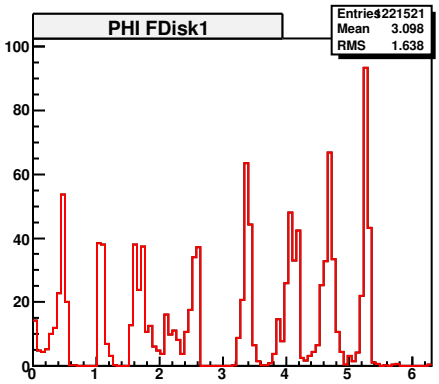


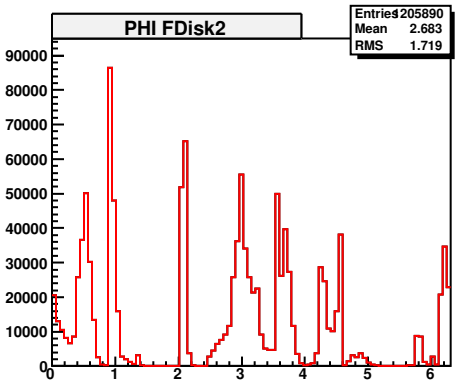


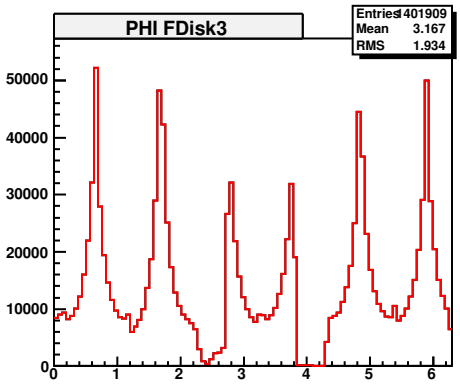


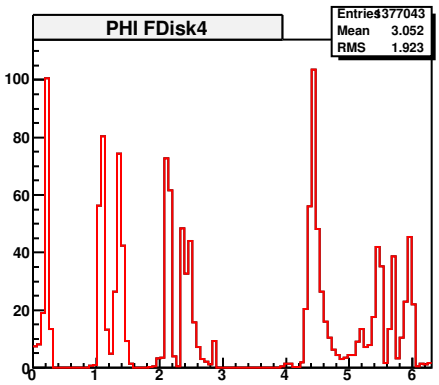


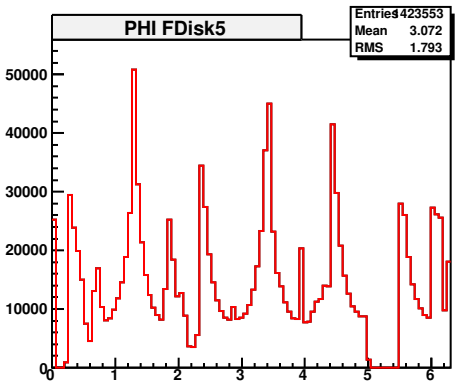
SmtClusters (ClustrBar6)

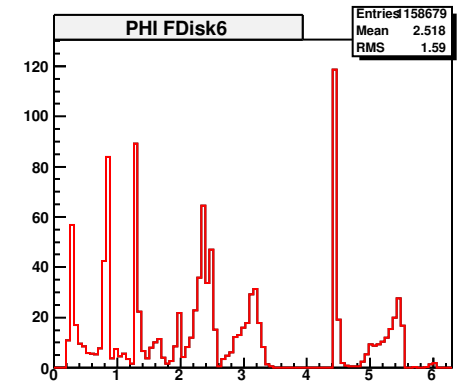


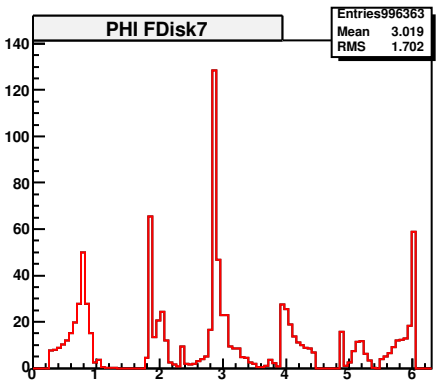


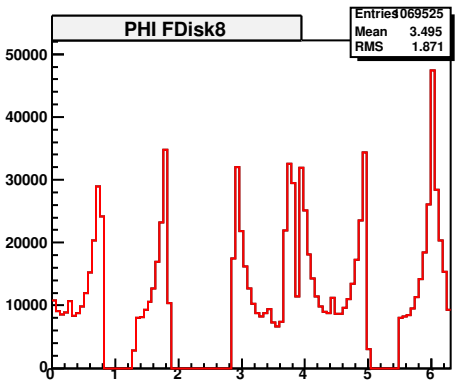


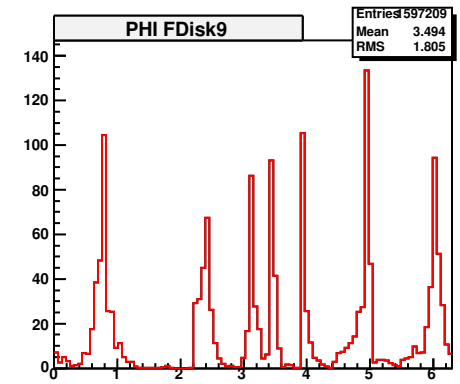


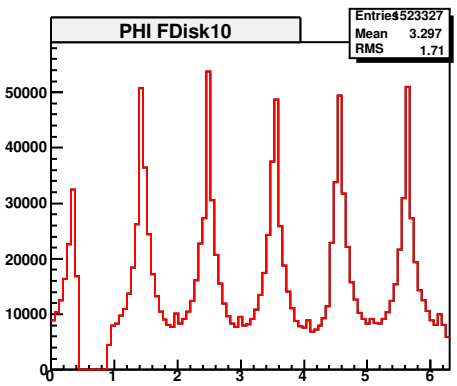


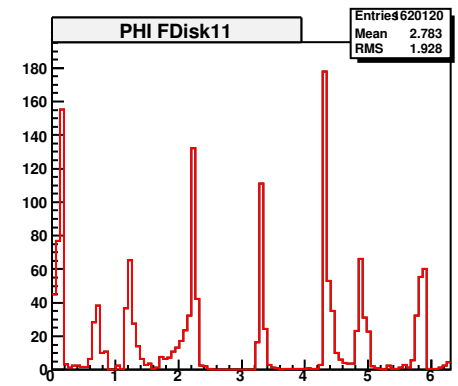


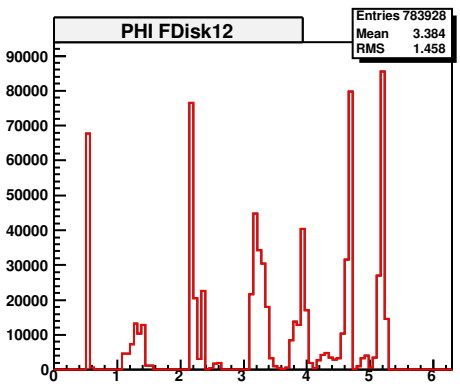




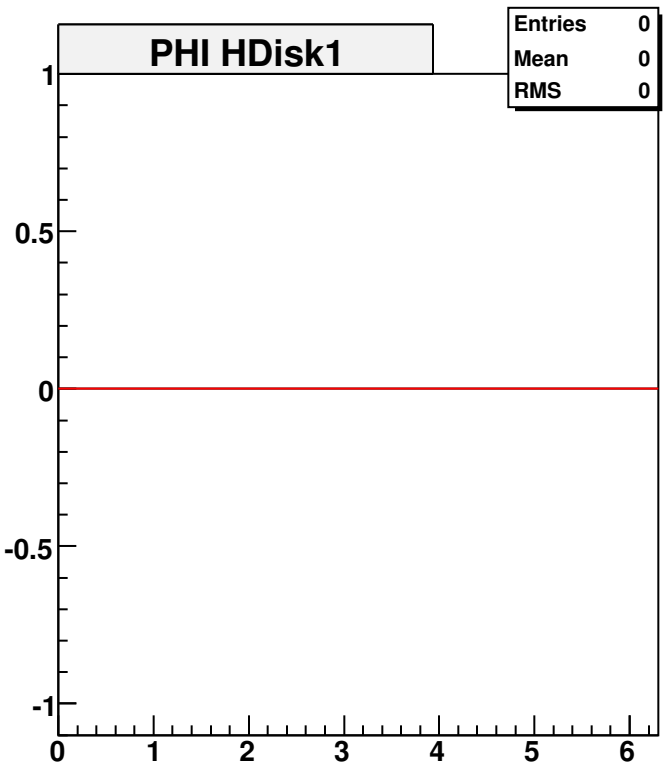


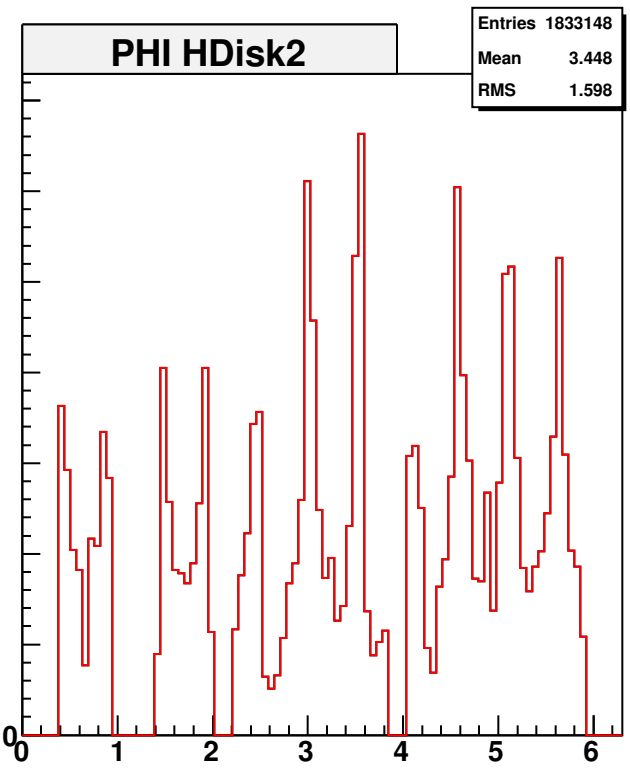


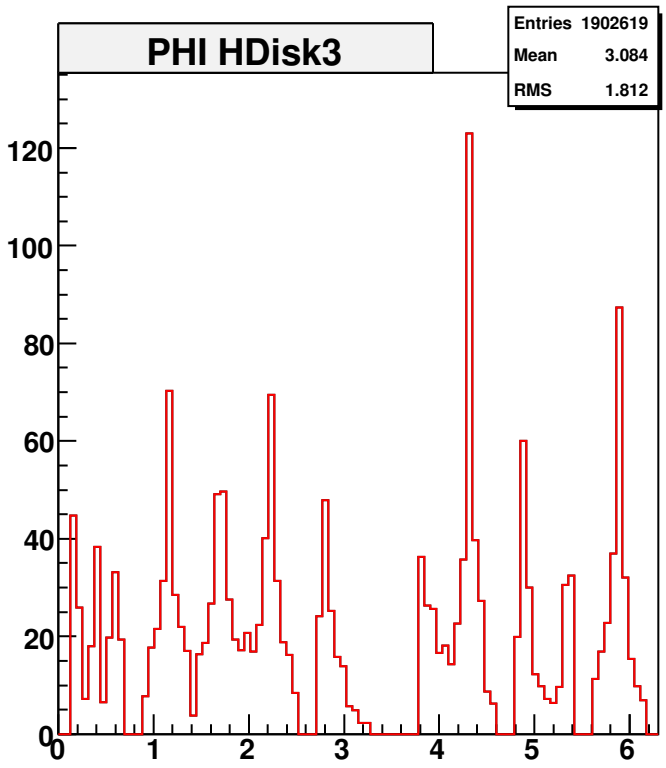


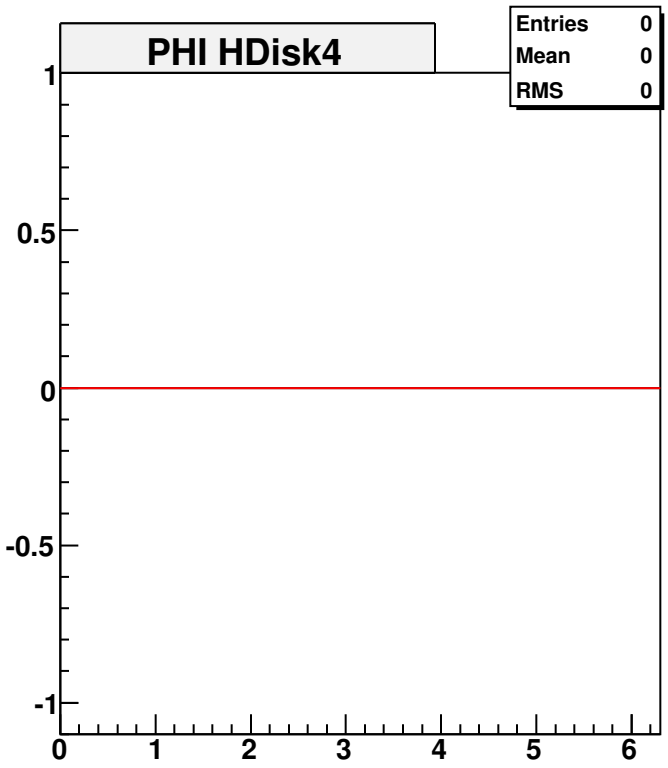


SmtClusters (FDiskClusters)

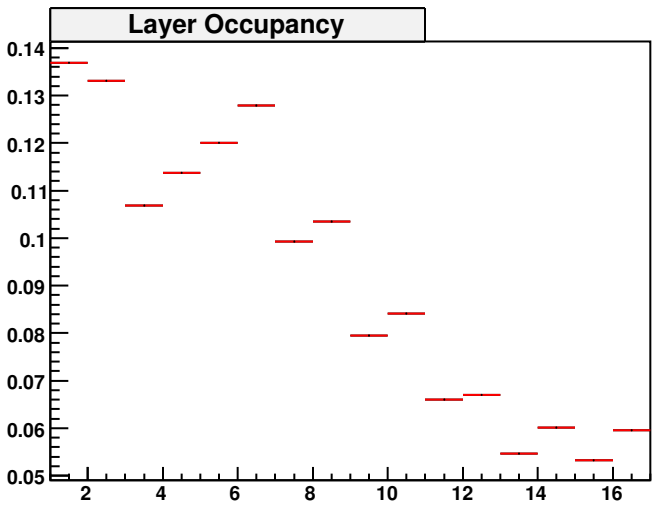


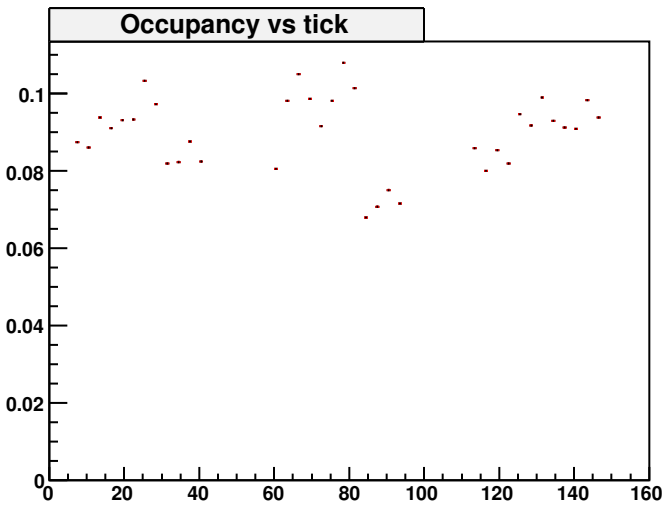


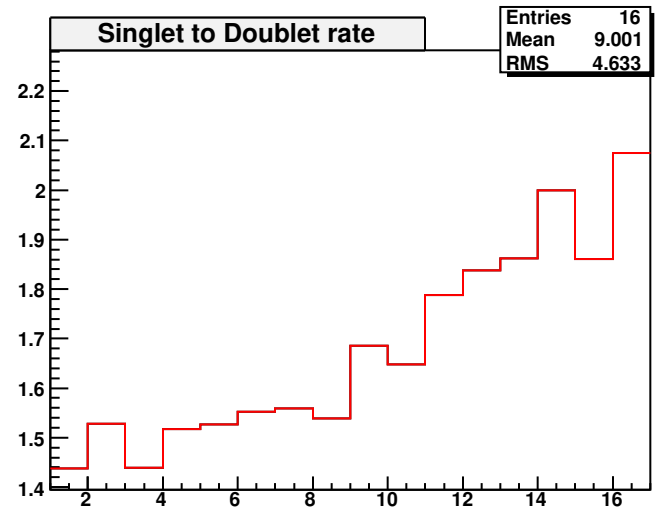


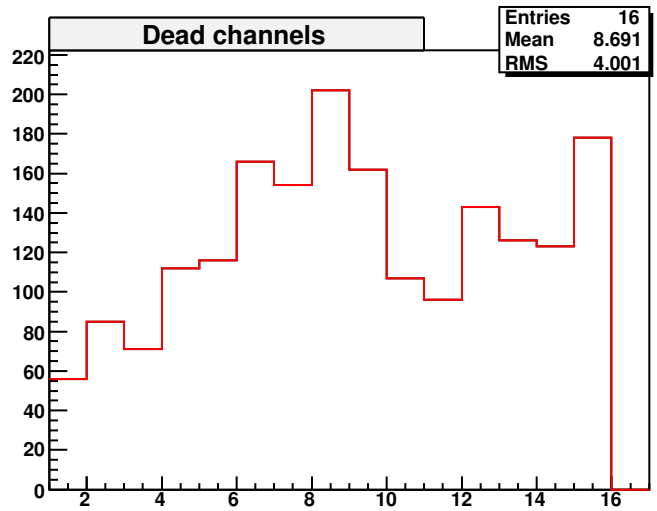


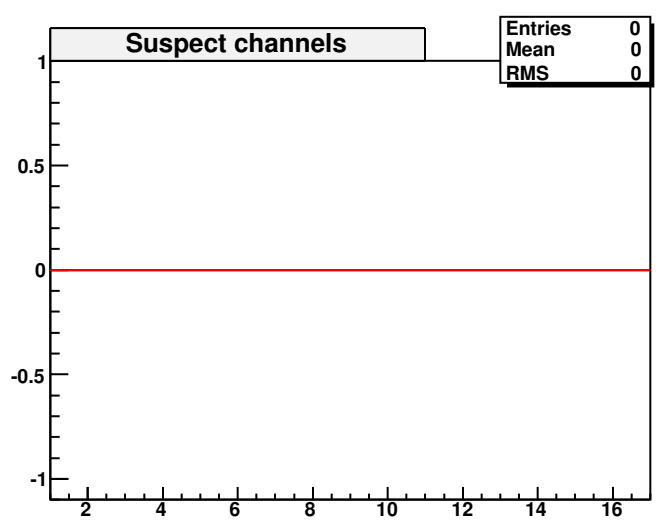
SmtClusters (HDiskClusters)

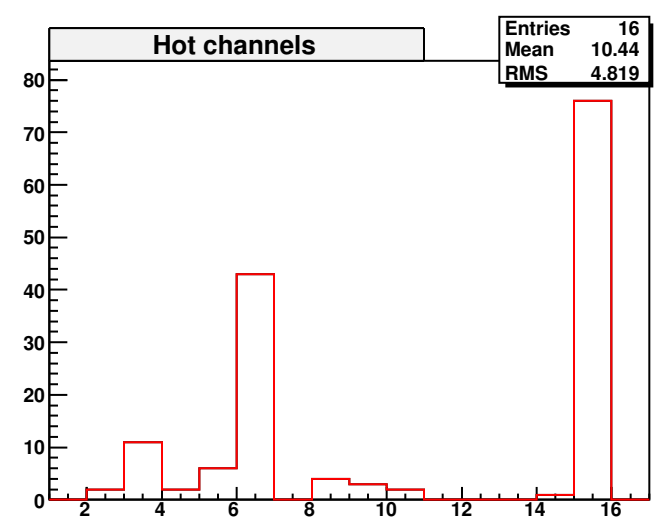




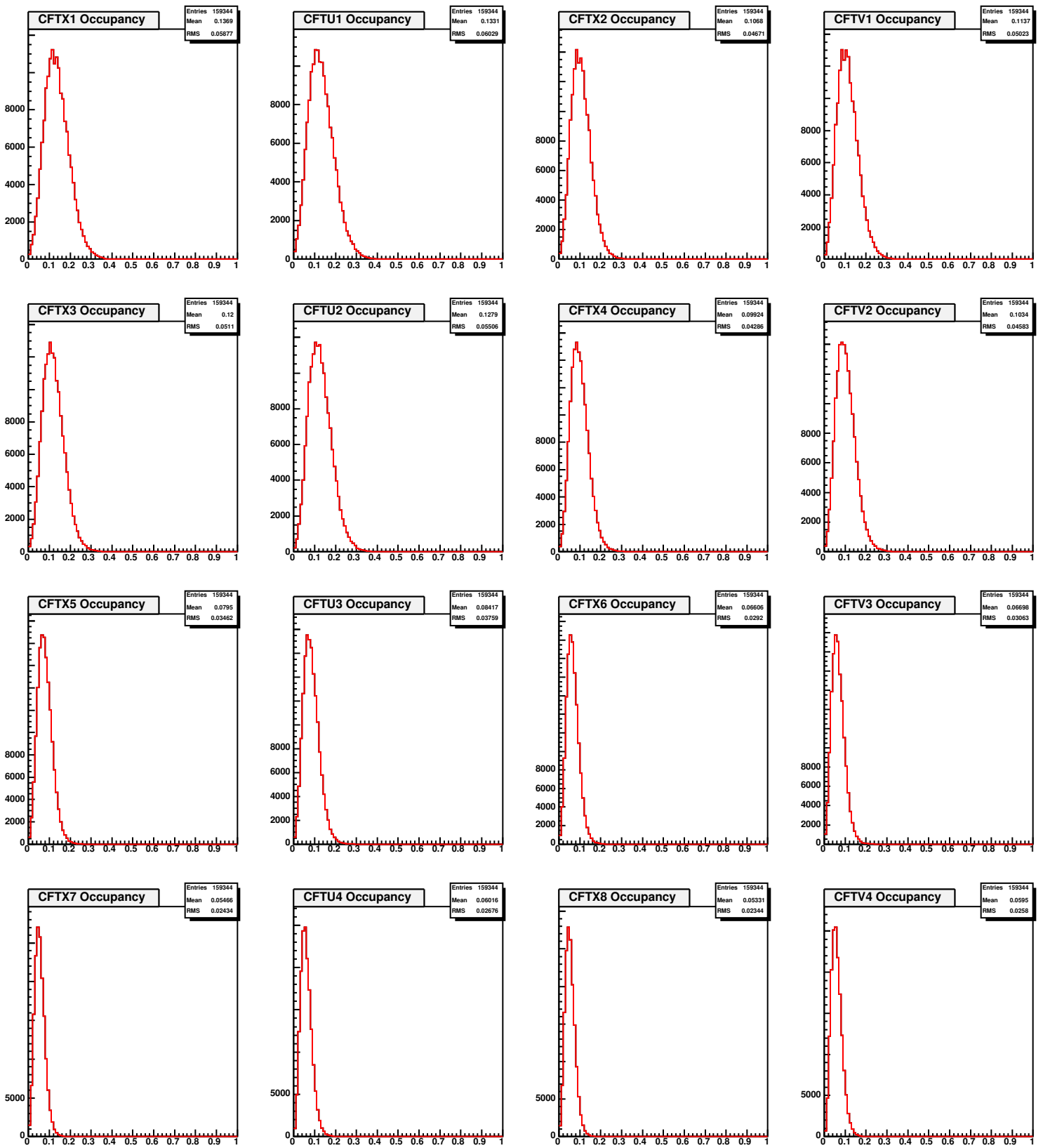




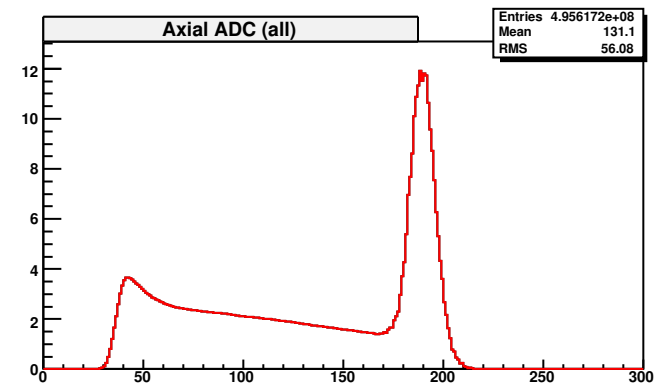


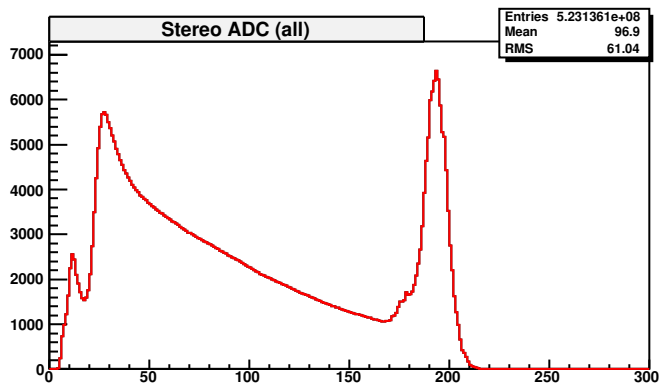


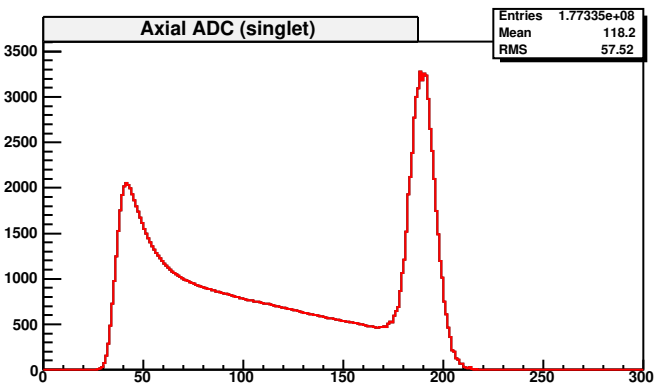
CFT Summary (All Clusters)

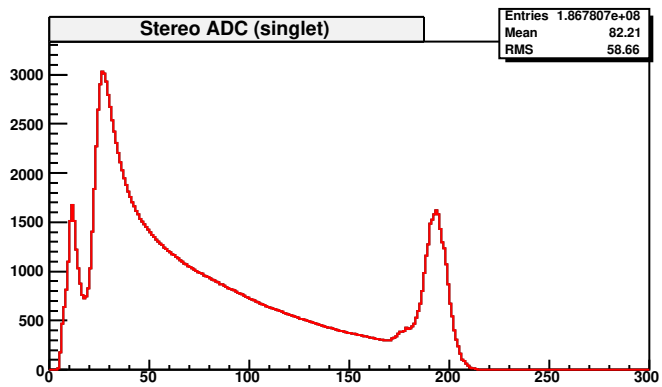


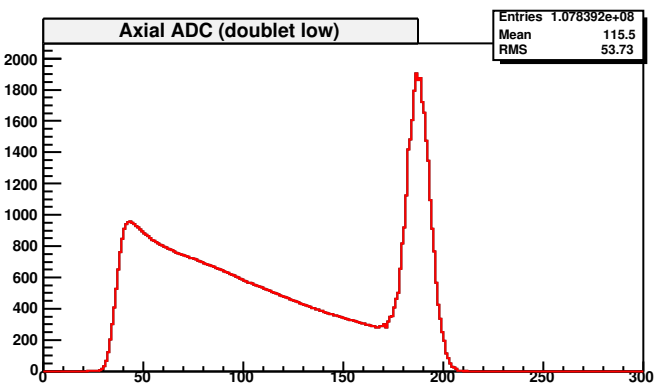
CFT Occupancy (All Clusters)

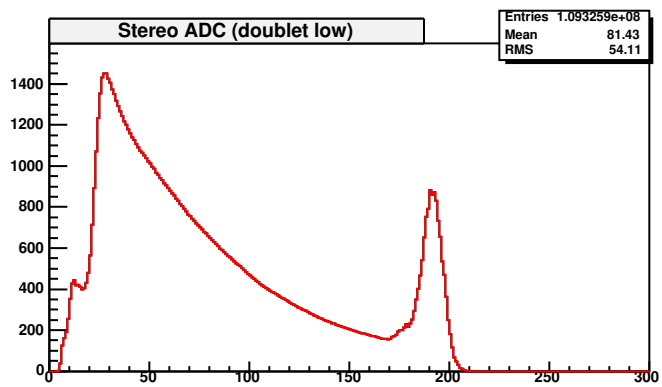


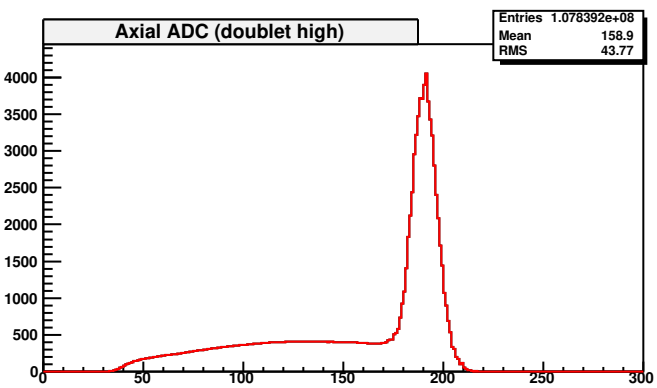


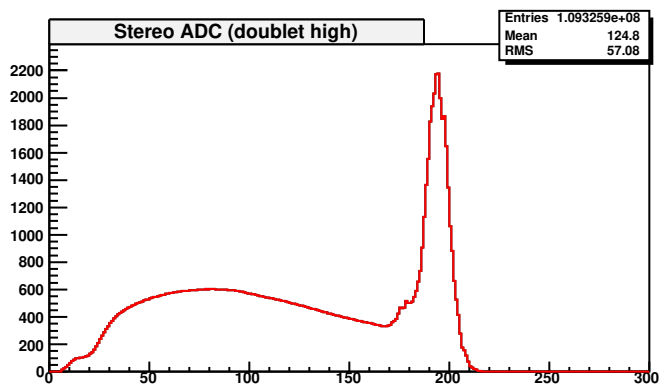




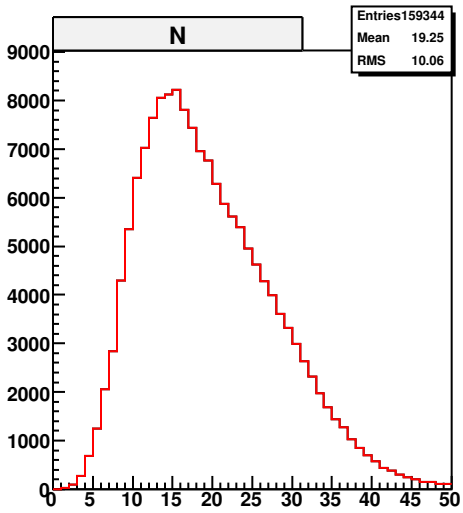


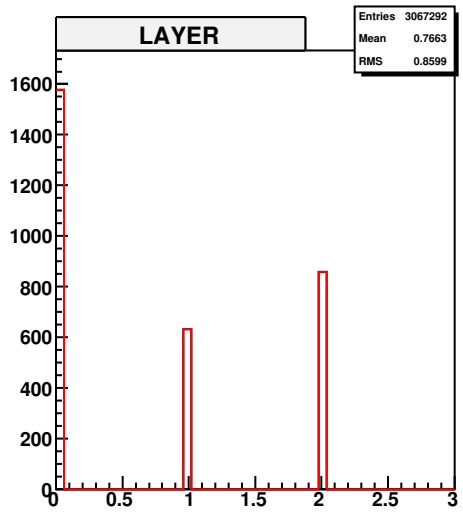


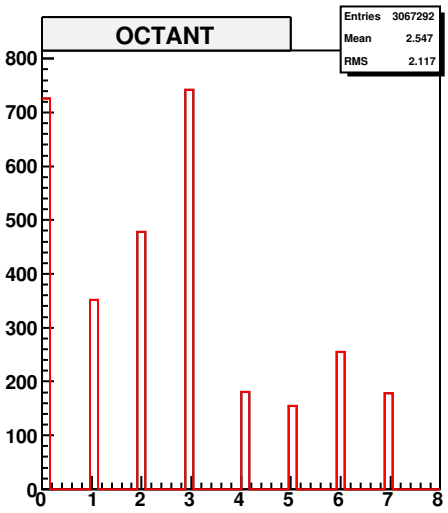


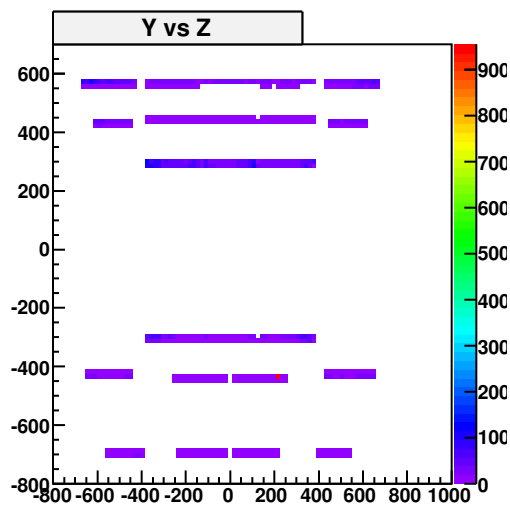


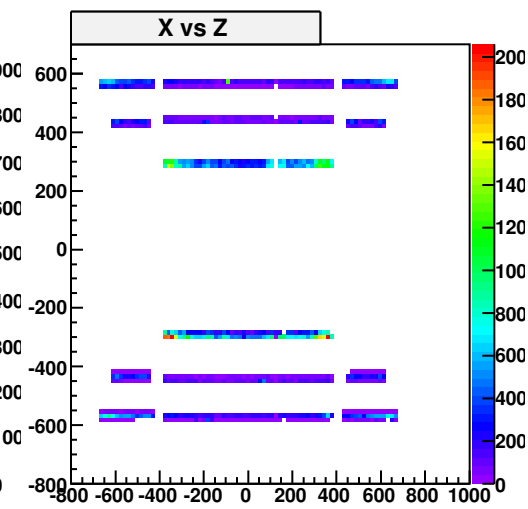
CFT ADC Summary (All Clusters)

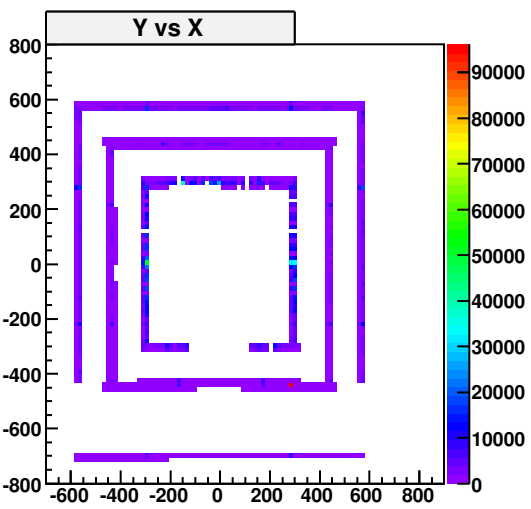

N
Entries 159344
Mean 19.25
RMS 10.06

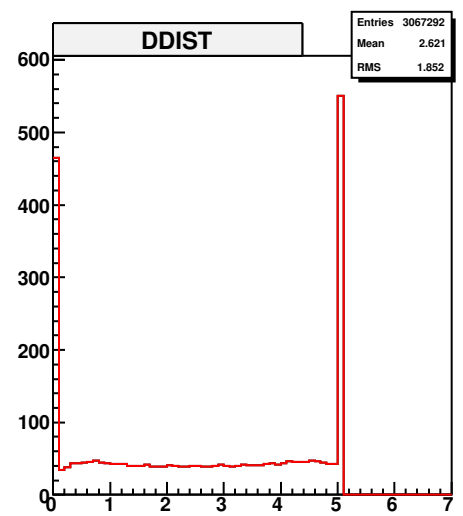

LAYER
Entries 3067292
Mean 0.7663
RMS 0.8599

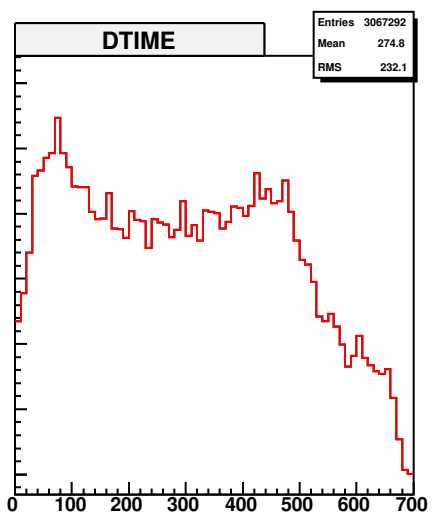

OCTANT
Entries 3067292
Mean 2.547
RMS 2.117


Y vs Z

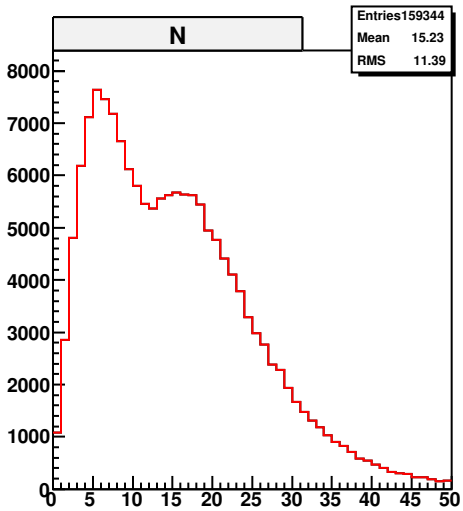

X vs Z

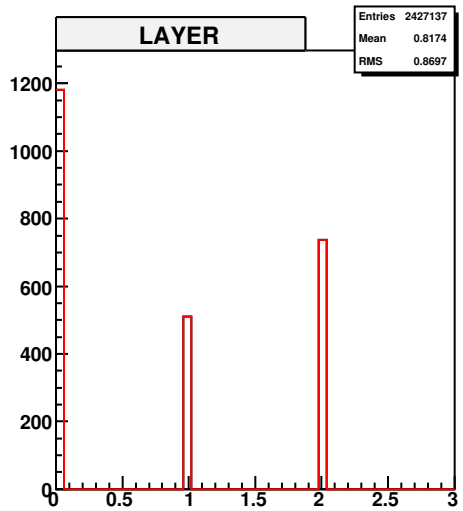

Y vs X

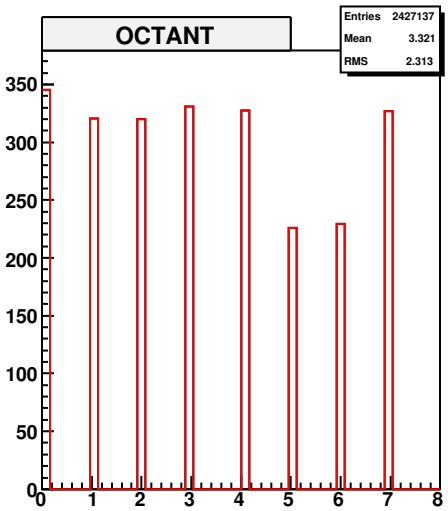

DDIST
Entries 3067292
Mean 2.621
RMS 1.852

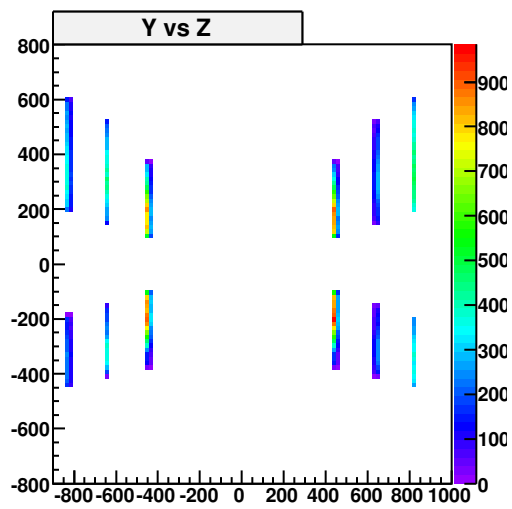

DTIME
Entries 3067292
Mean 274.8
RMS 232.1

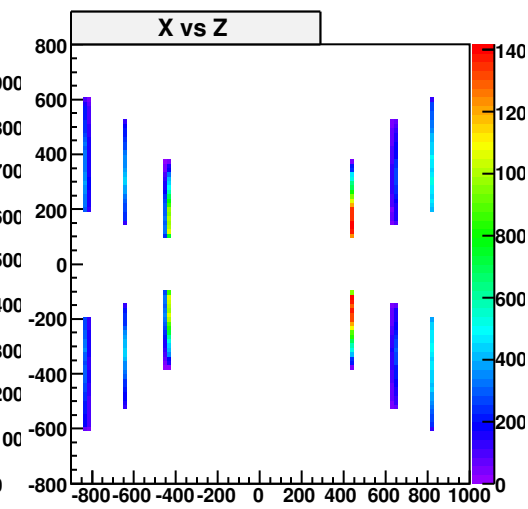
MuonPDT (All)

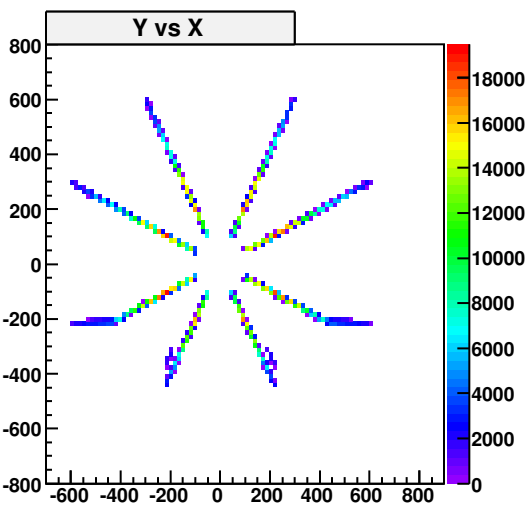

N
Entries 159344
Mean 15.23
RMS 11.39

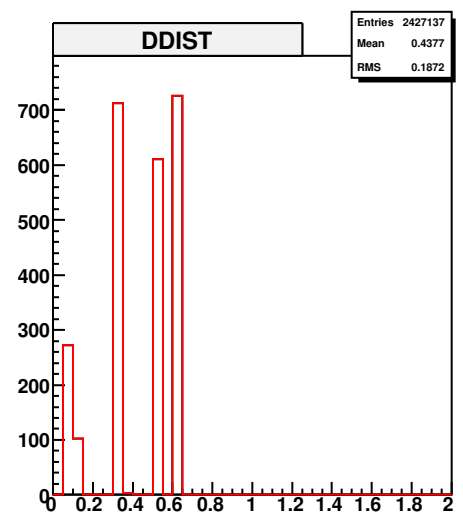

LAYER
Entries 2427137
Mean 0.8174
RMS 0.8697

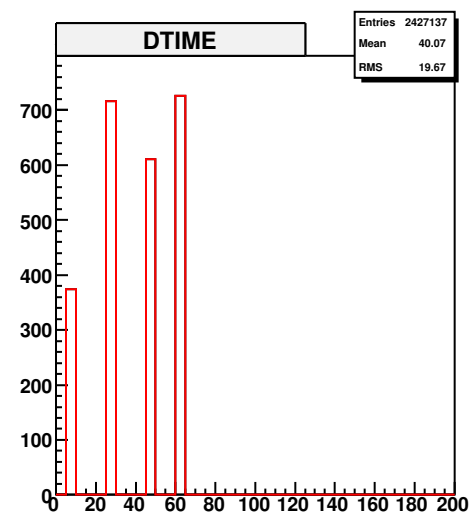

OCTANT
Entries 2427137
Mean 3.321
RMS 2.313


Y vs Z

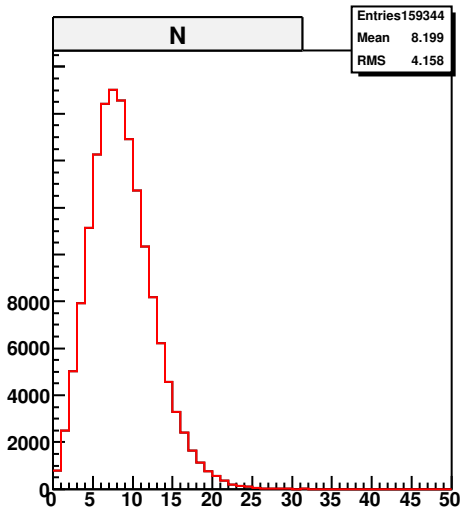

X vs Z

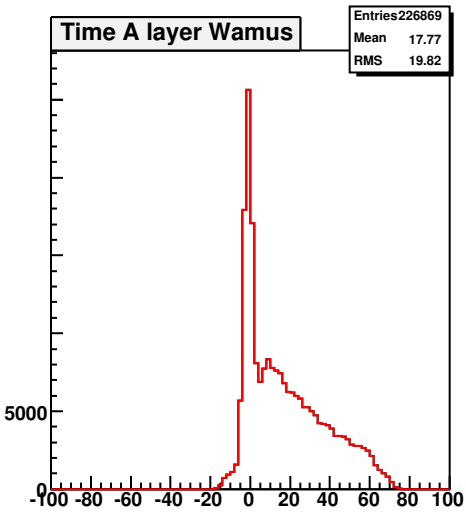

Y vs X

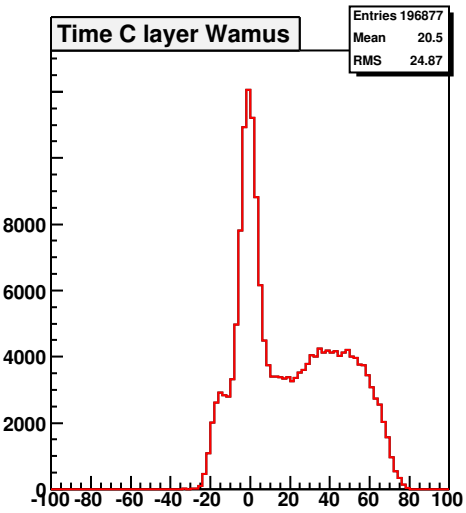

DDIST
Entries 2427137
Mean 0.4377
RMS 0.1872

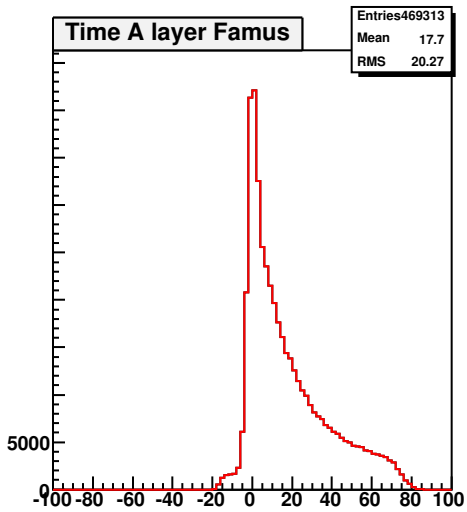

DTIME
Entries 2427137
Mean 40.07
RMS 19.67

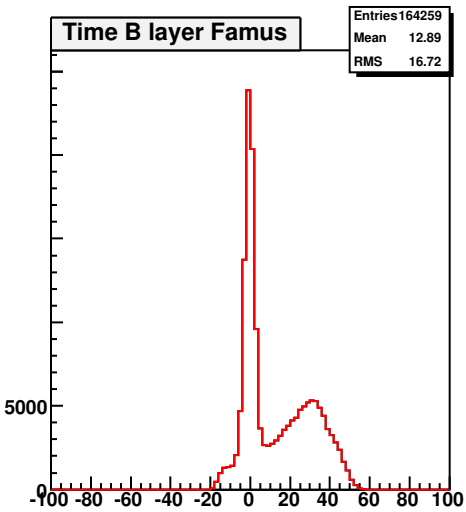
MuonMDT (All)

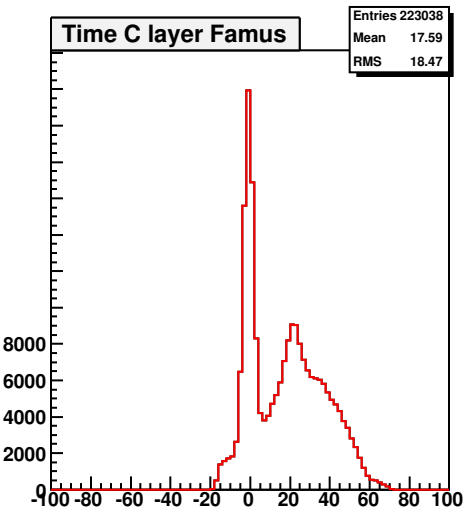

N
Entries159344
Mean 8.199
RMS 4.158

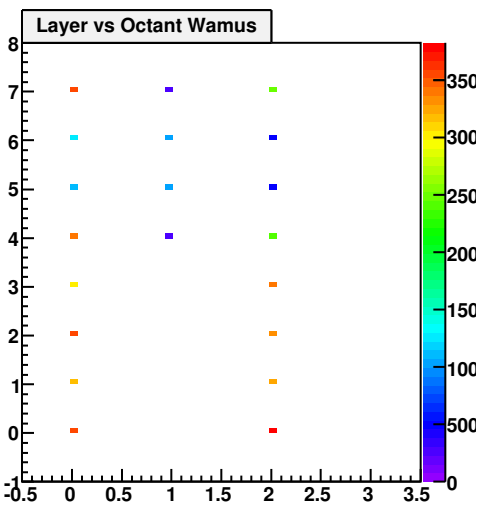

Time A layer Wamus
Entries226869
Mean 17.77
RMS 19.82

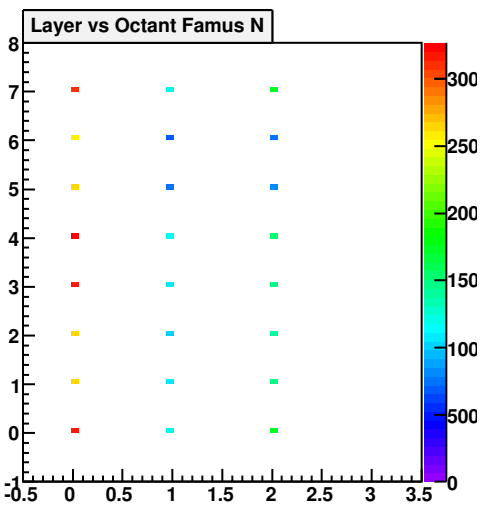

Time C layer Wamus
Entries 196877
Mean 20.5
RMS 24.87

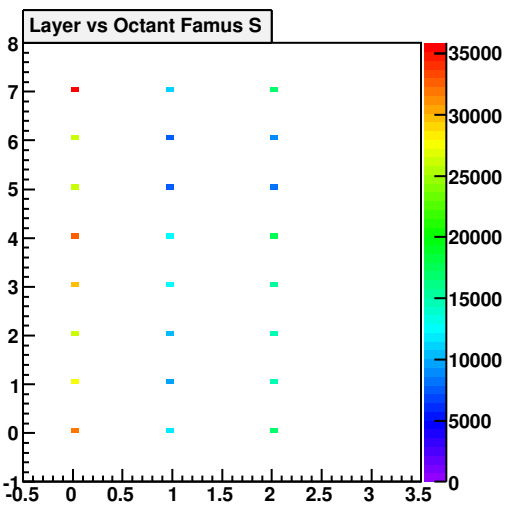

Time A layer Famus
Entries469313
Mean 17.7
RMS 20.27


Time B layer Famus
Entries164259
Mean 12.89
RMS 16.72

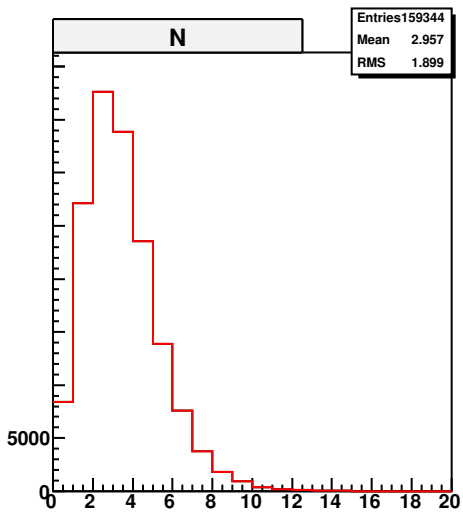

Time C layer Famus
Entries 223038
Mean 17.59
RMS 18.47

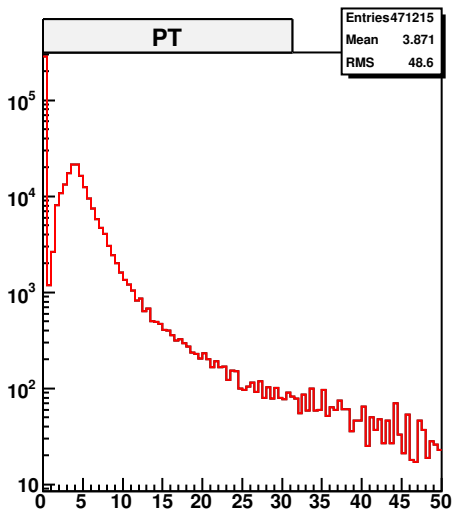

Layer vs Octant Wamus

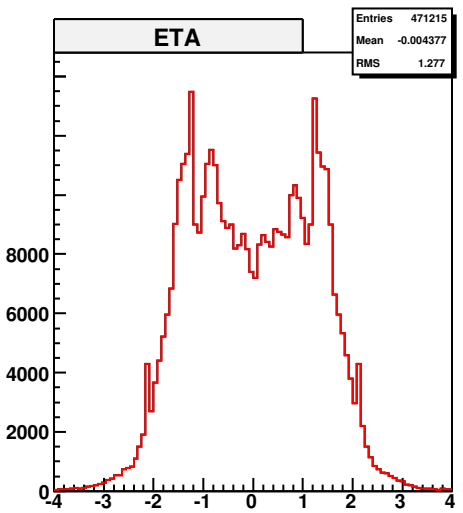

Layer vs Octant Famus N

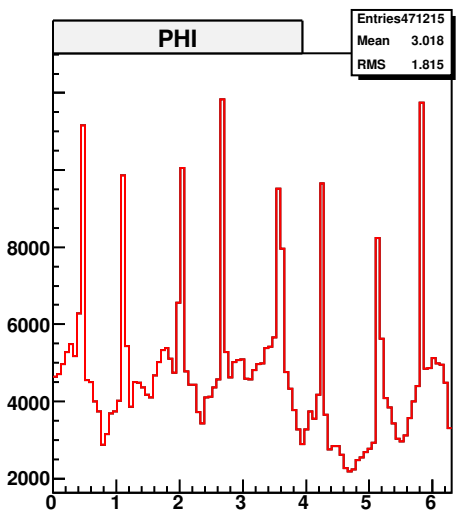

Layer vs Octant Famus S

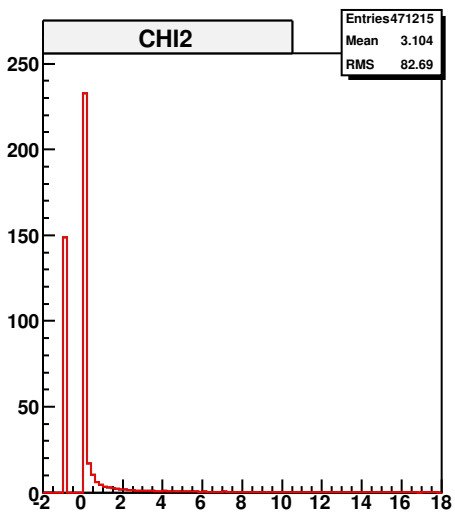
MuonMSC (All)

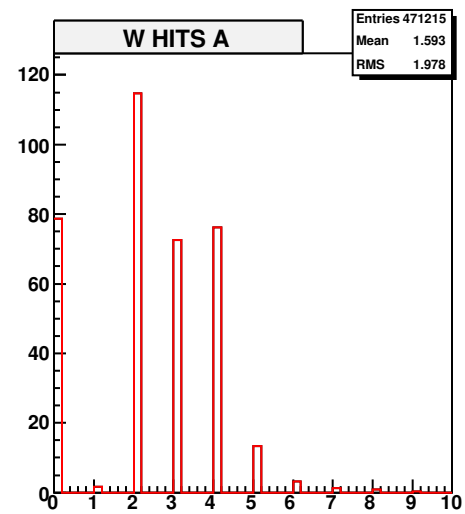


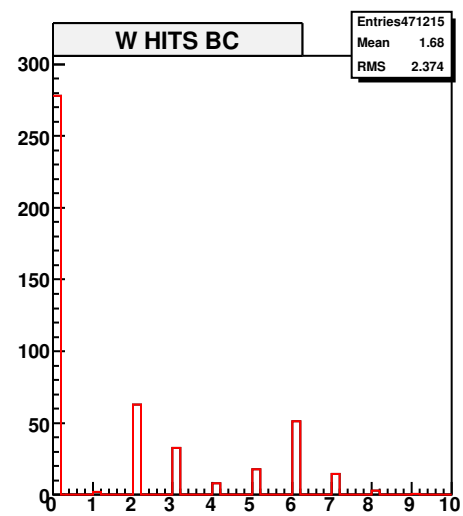


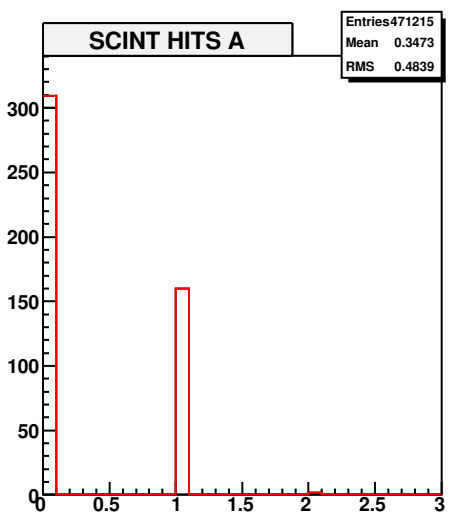


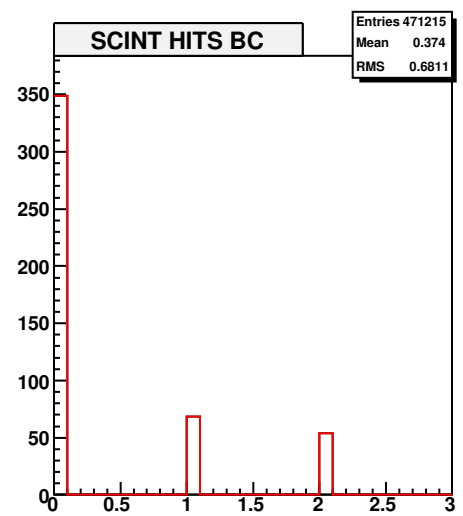




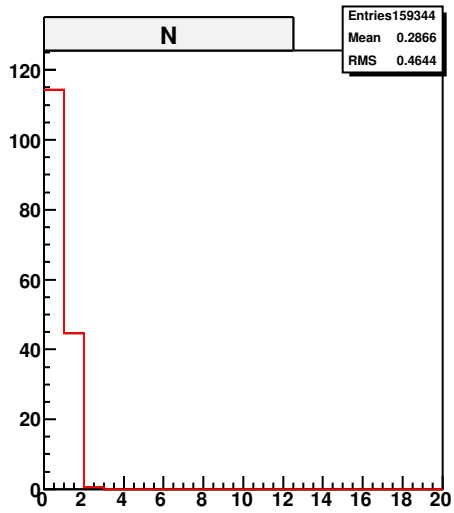


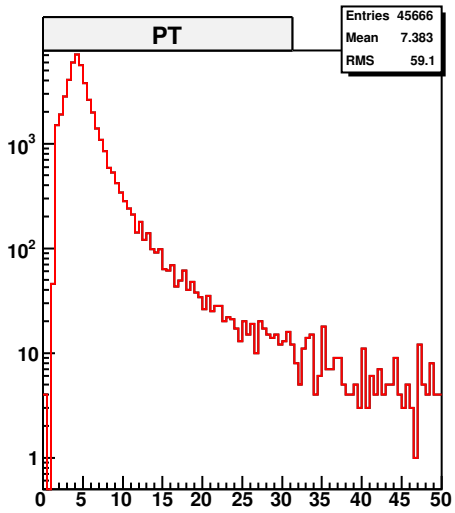


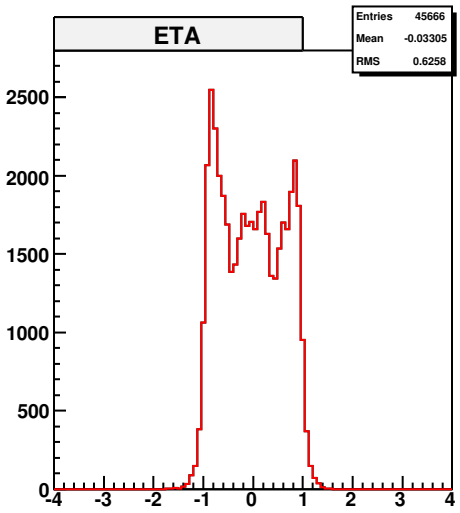


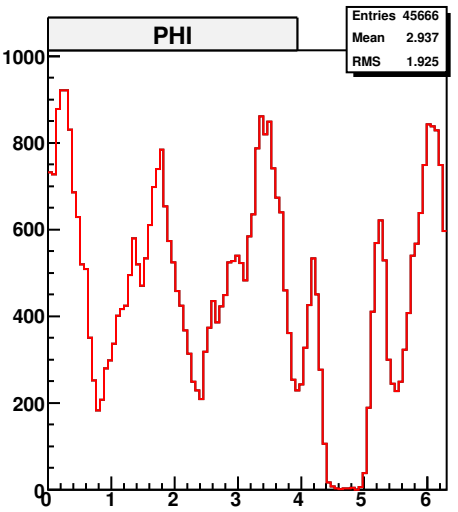


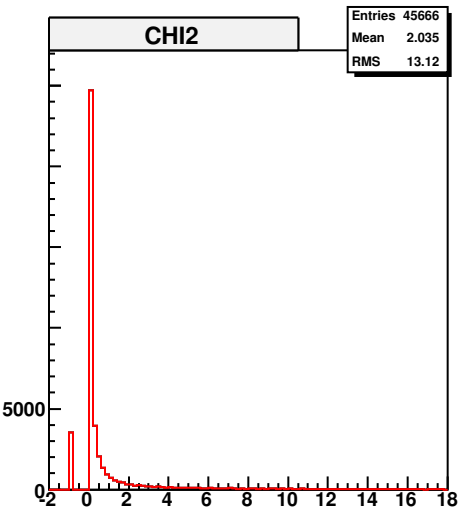
Muon Local Tracks (All)

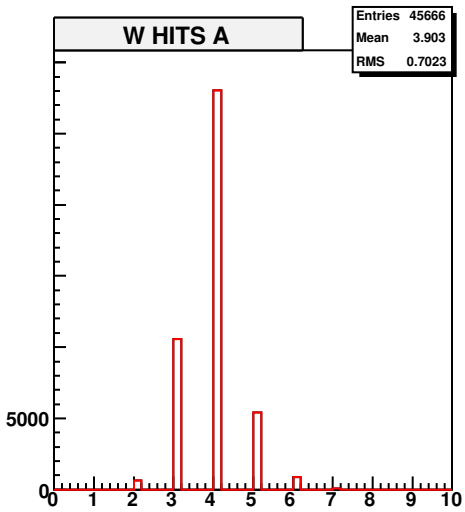


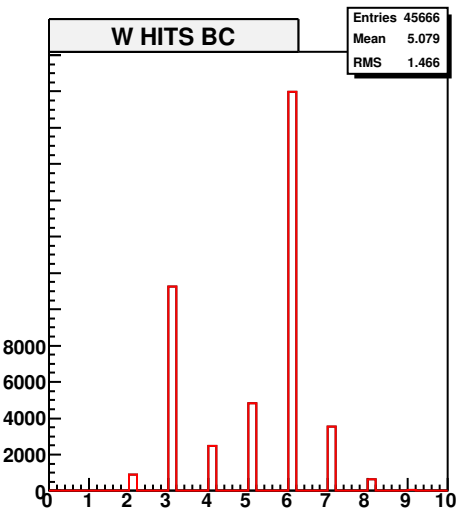


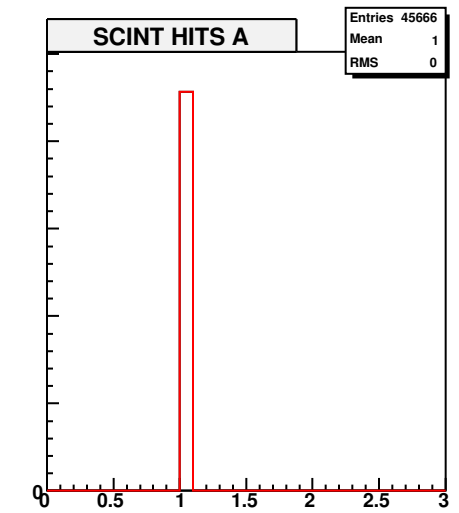


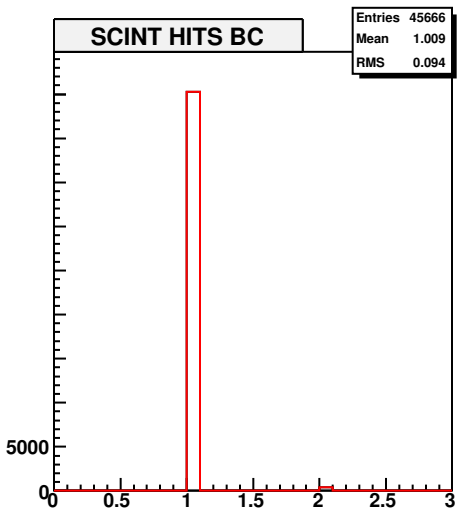




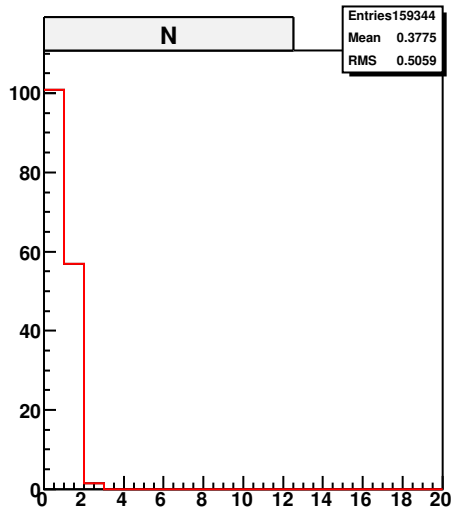


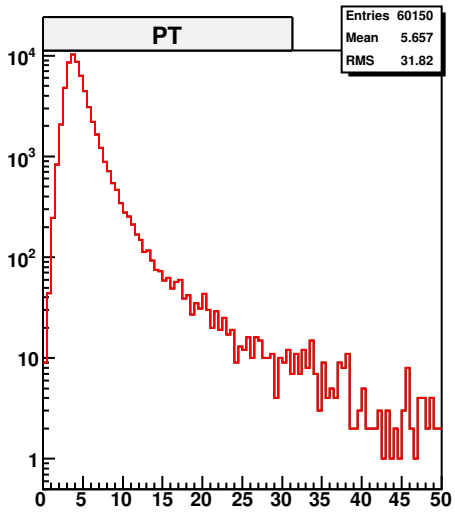


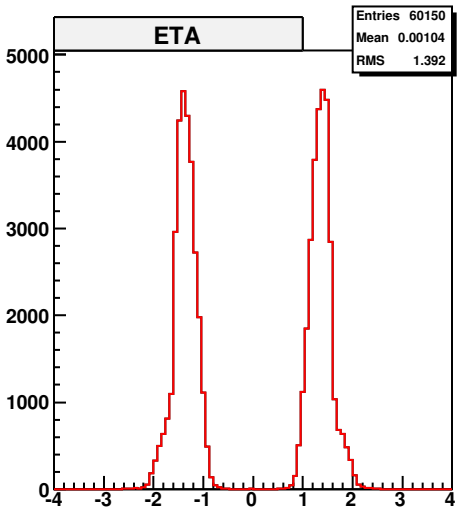


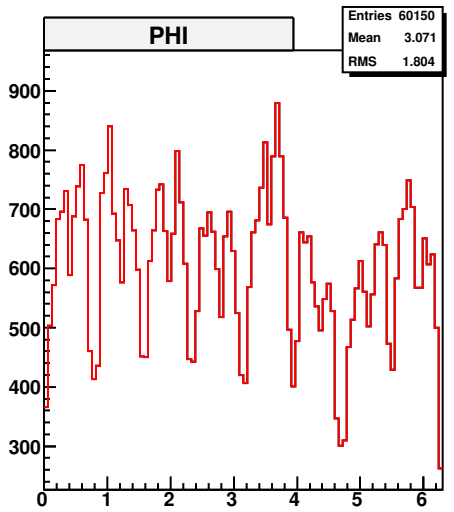


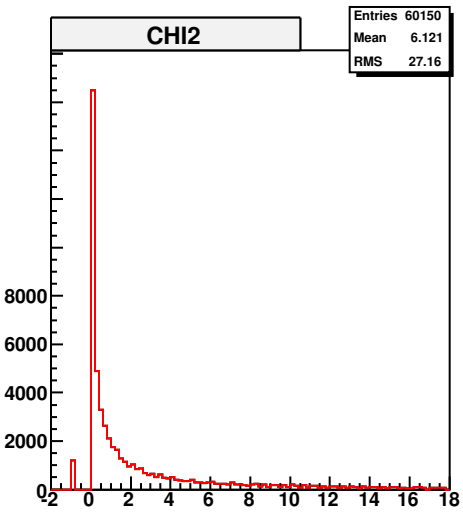
Muon Local Tracks (MediumWamus)

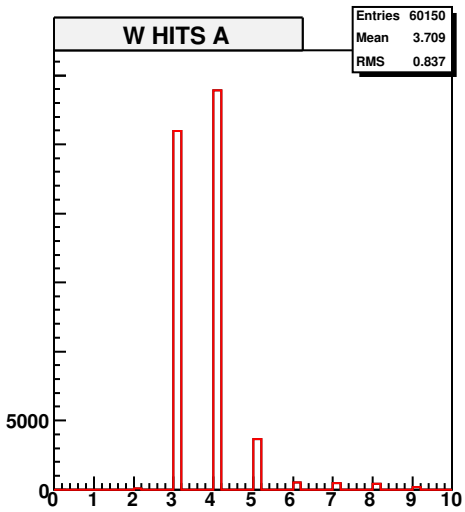


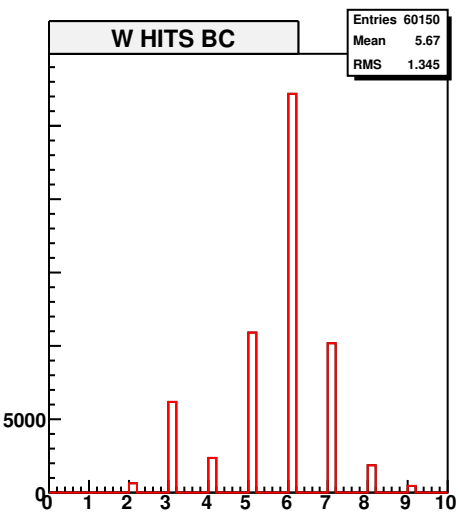


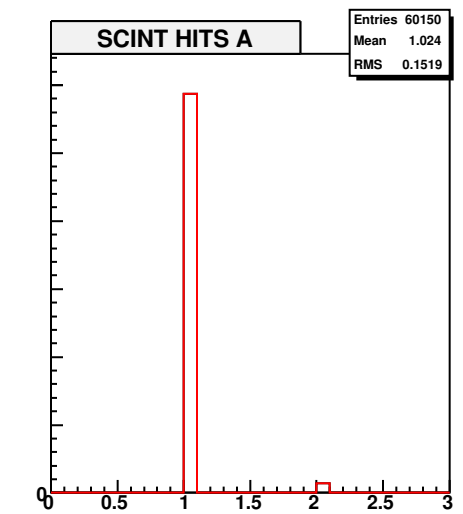


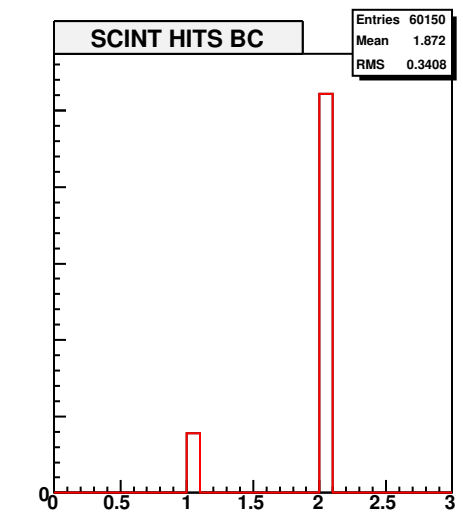




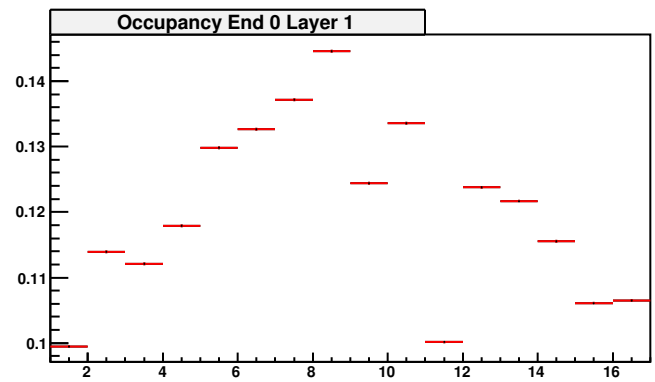


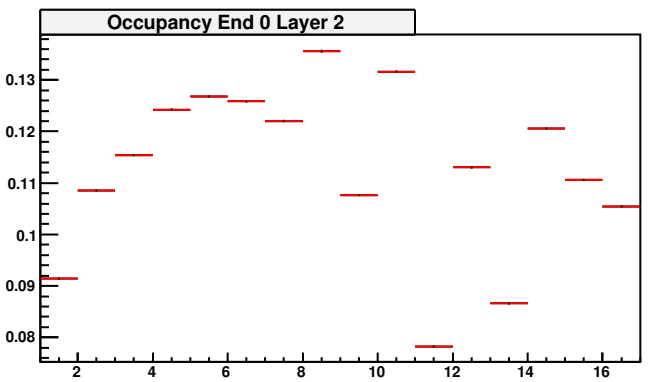


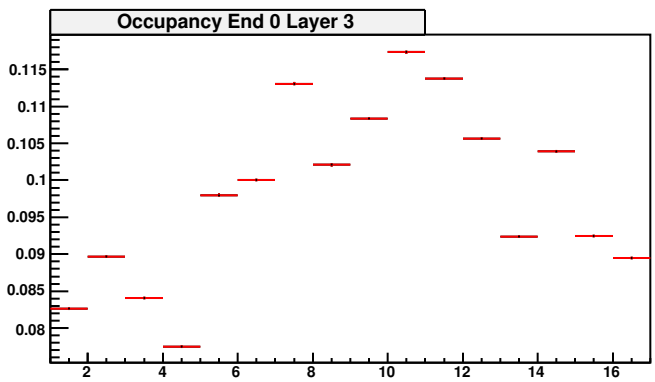


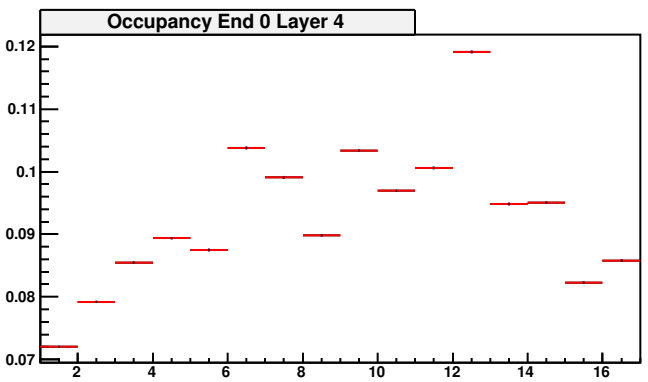


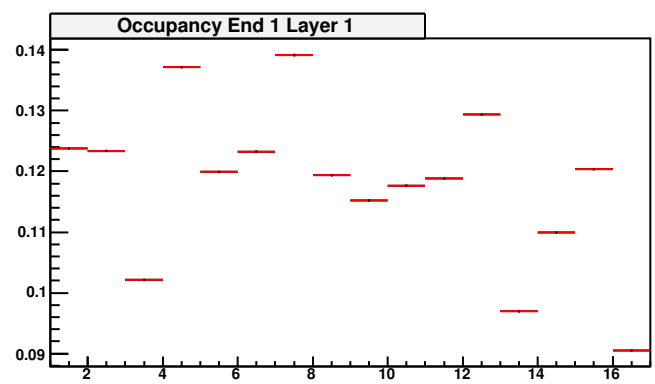
Muon Local Tracks (MediumFamus)

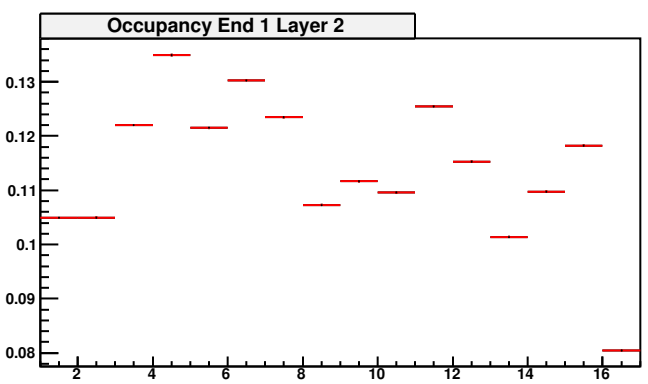


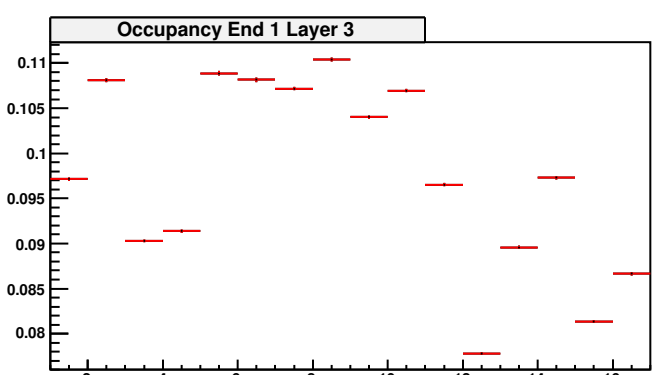


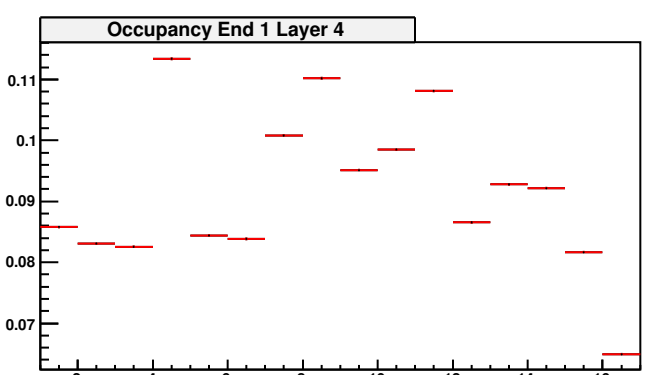




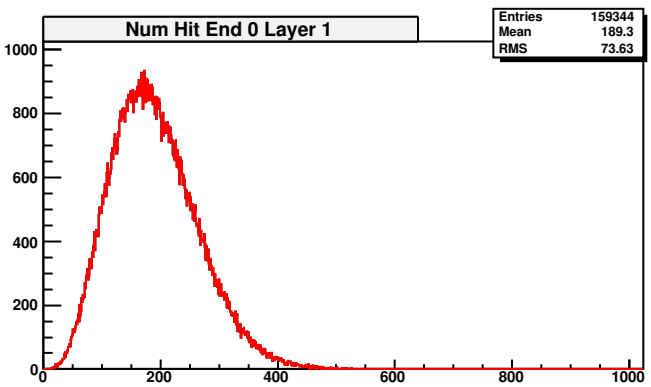


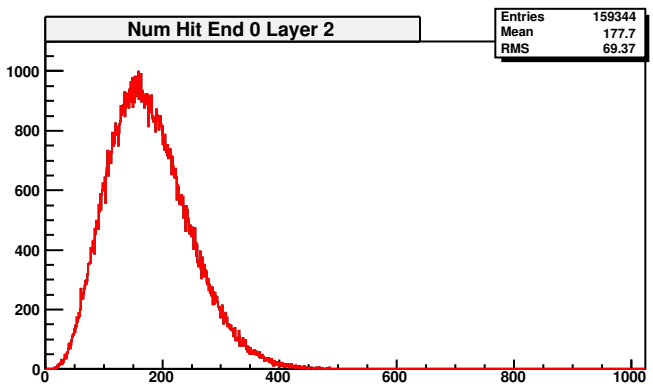


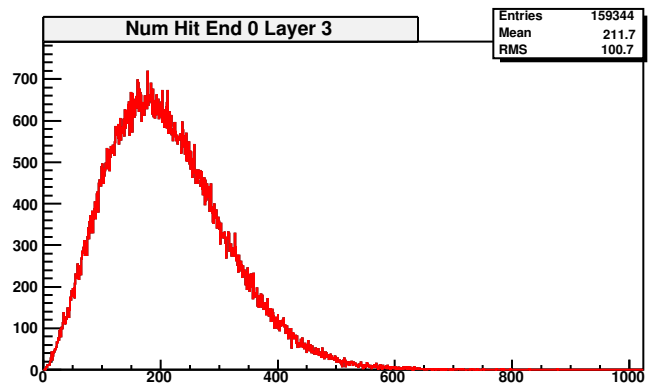


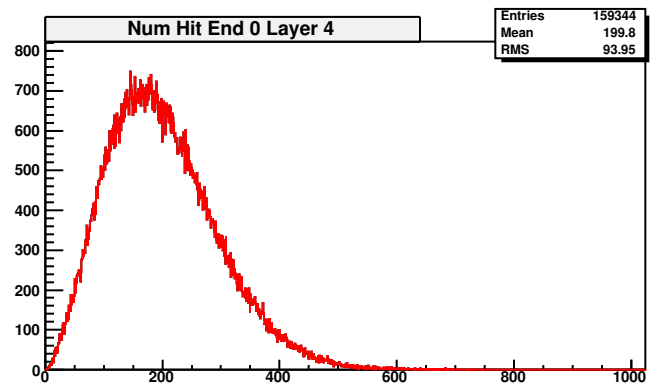


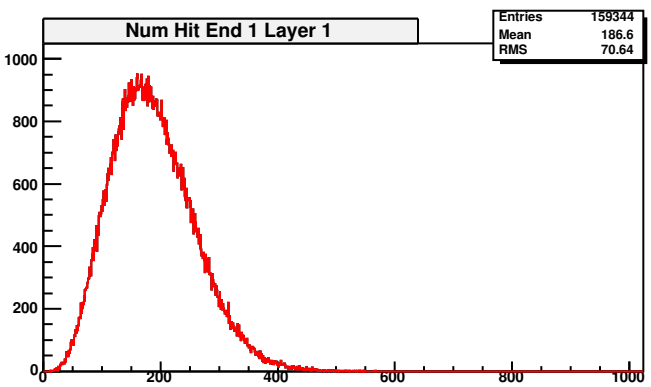
FPS Hit Occupancy (All)

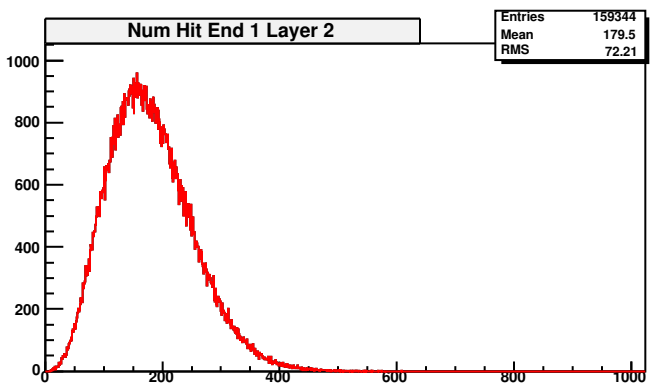


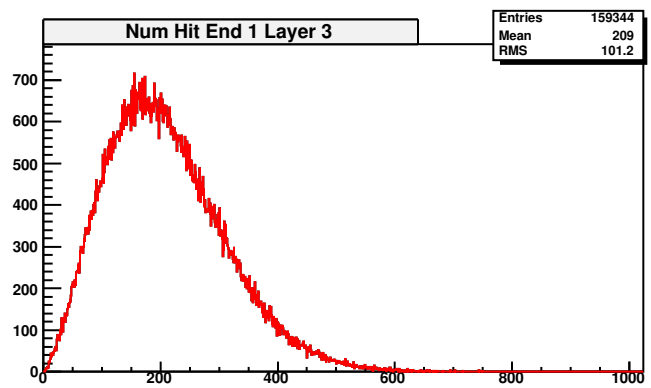


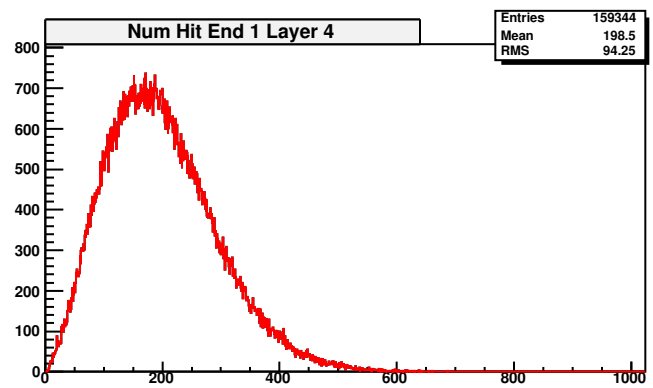












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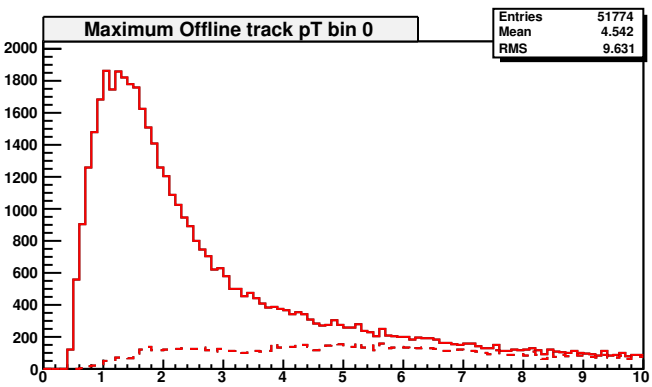
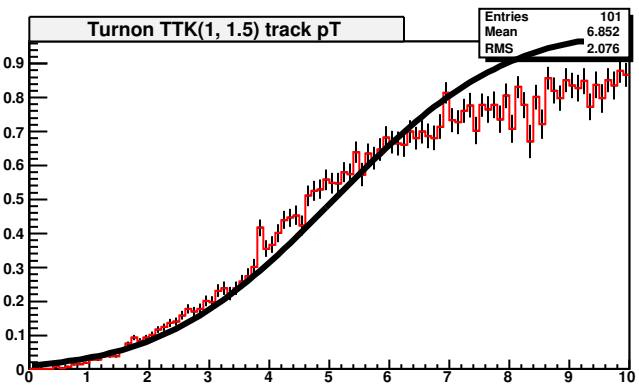
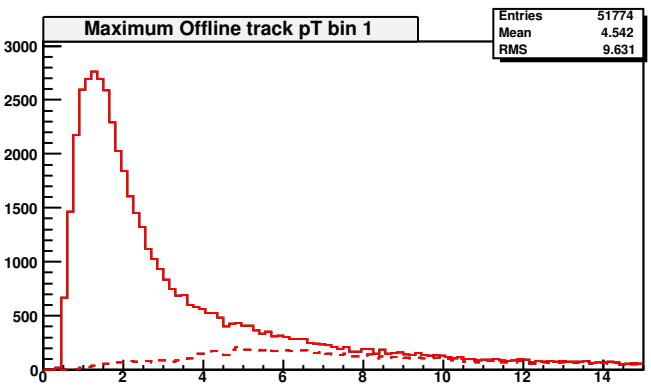
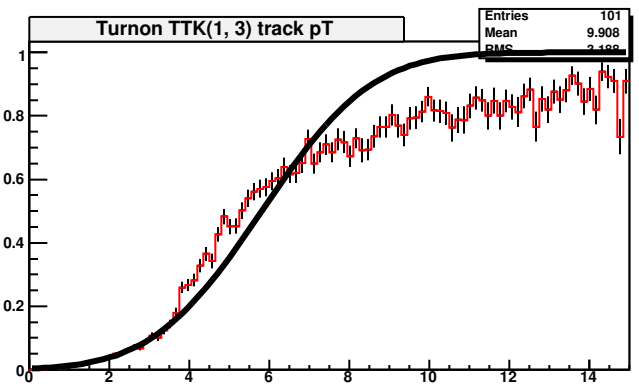
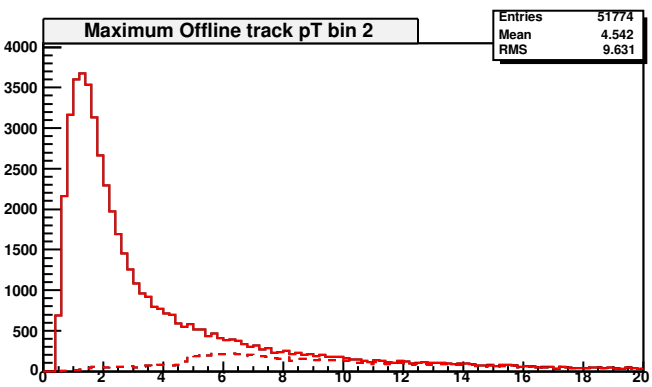
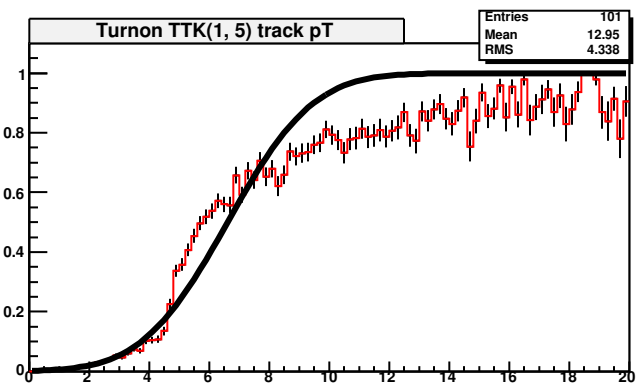


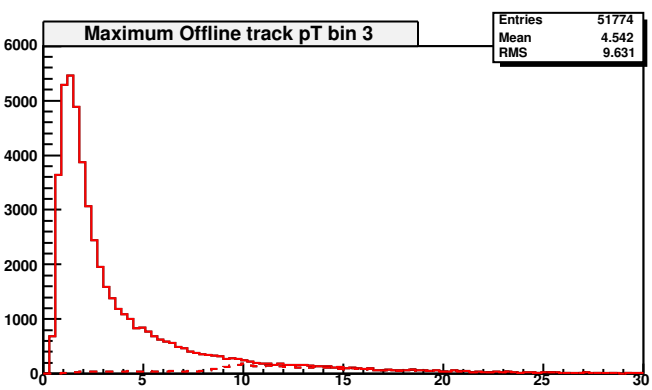


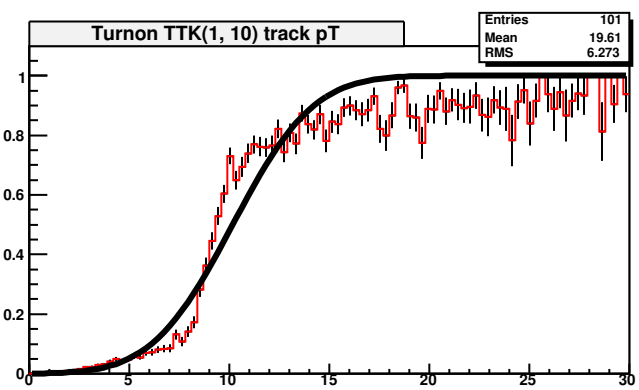




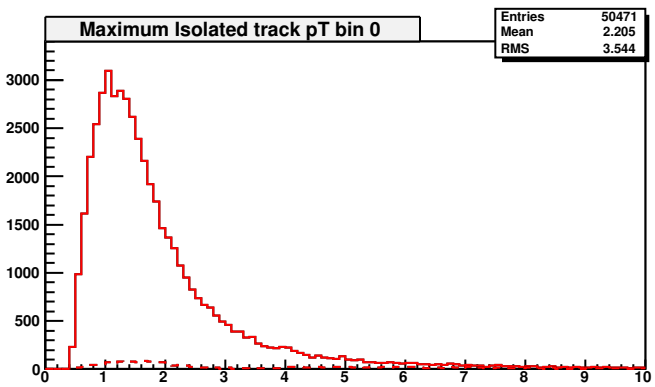


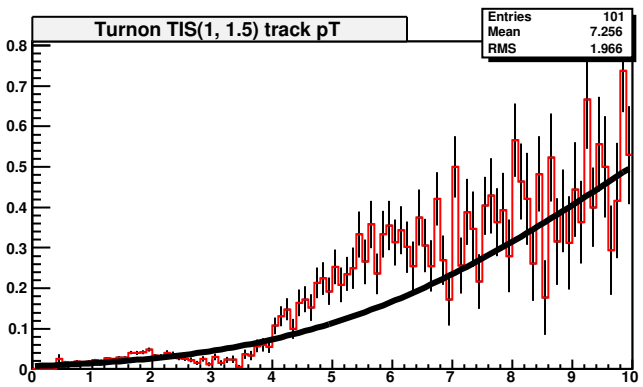


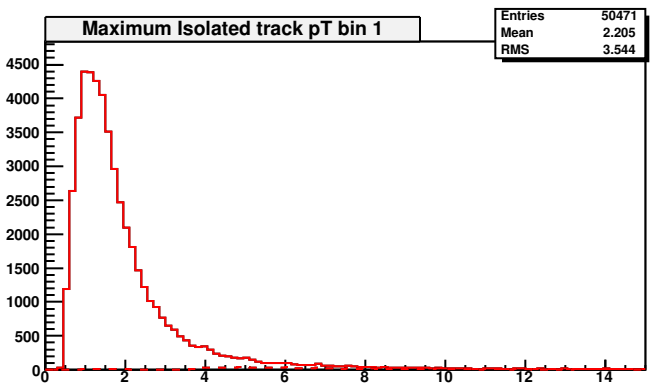


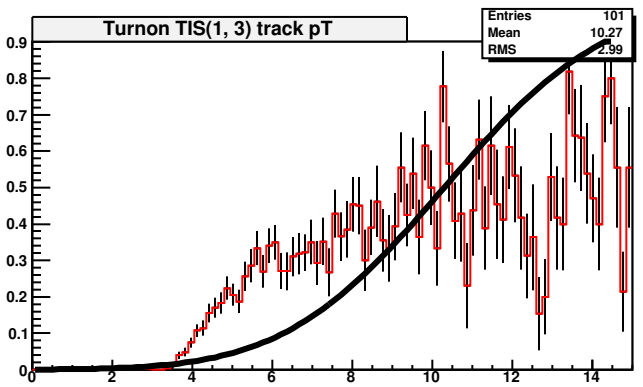


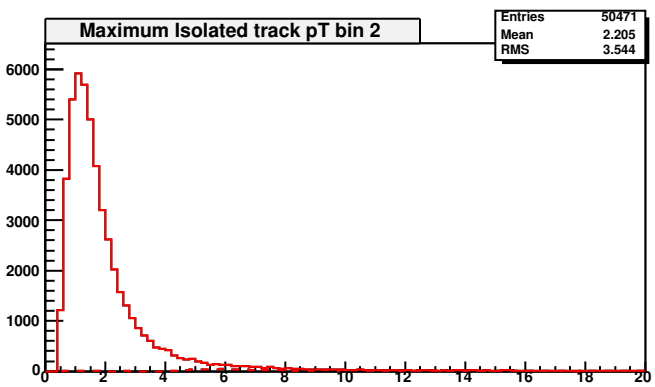
TTK Turnon curves (L1CTT All)

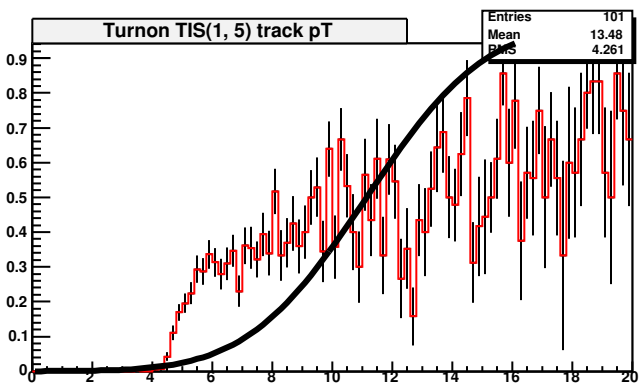


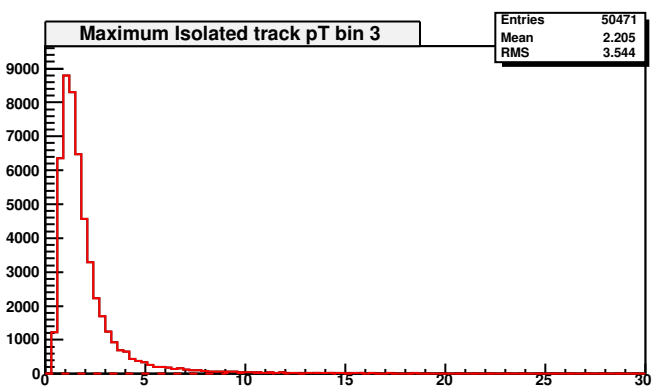


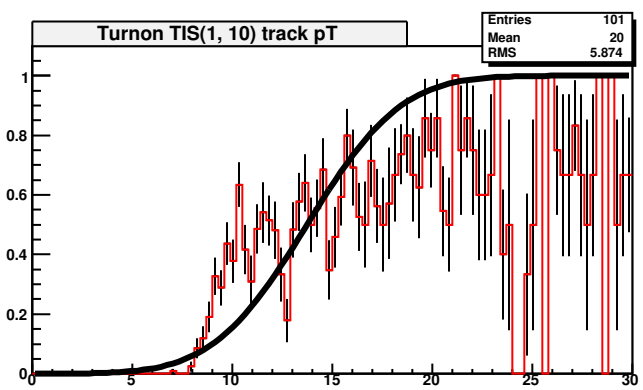




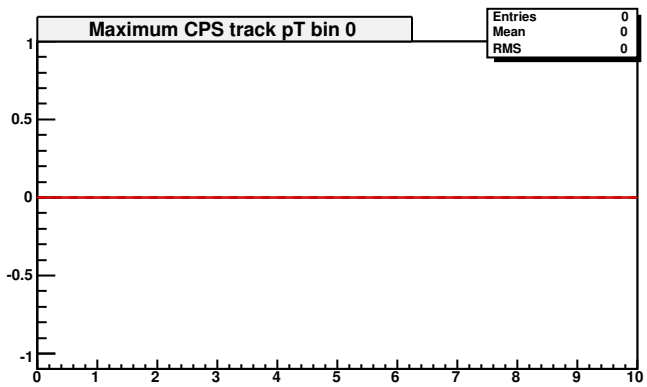


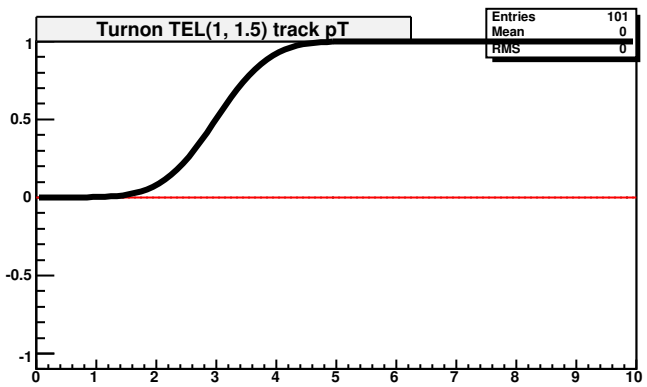


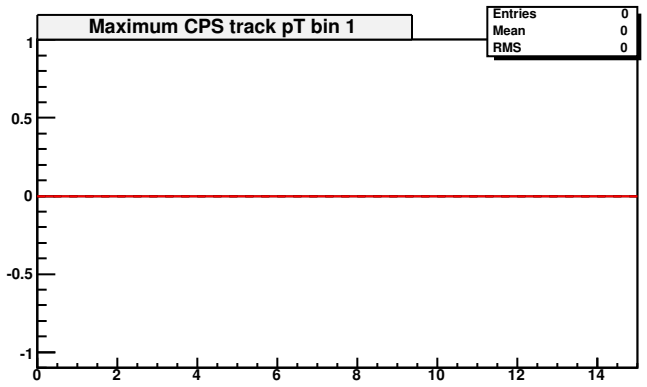


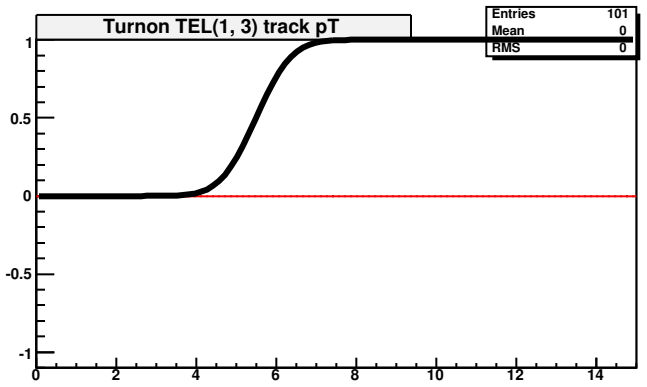


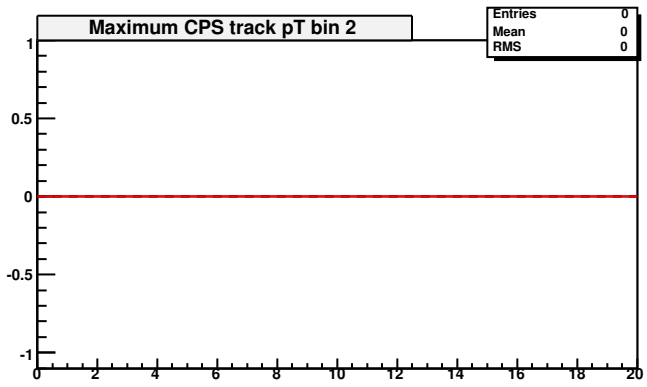
TIS Turnon curves (L1CTT All)

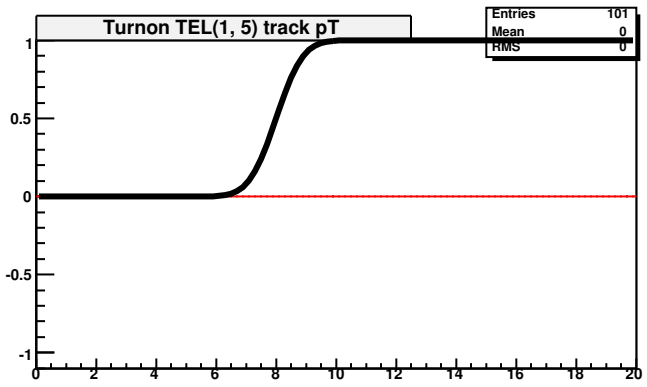


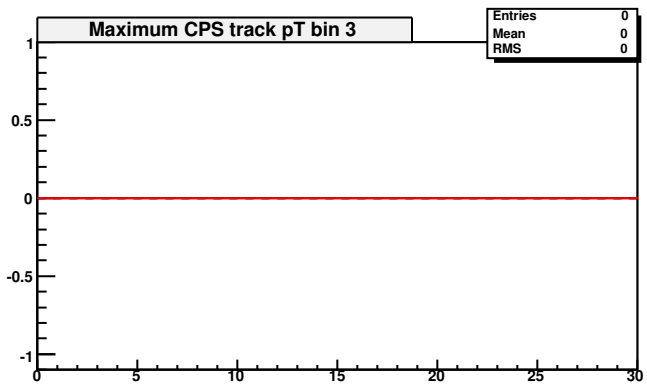


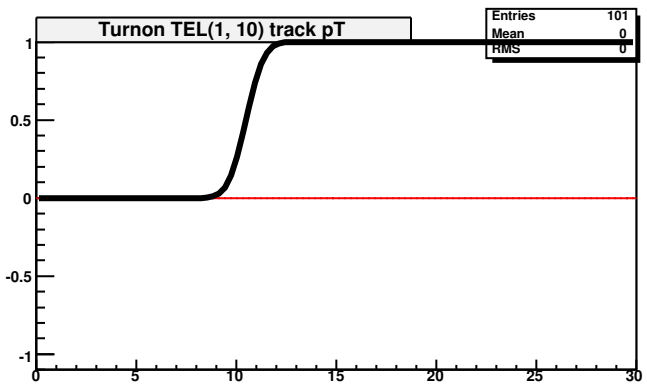




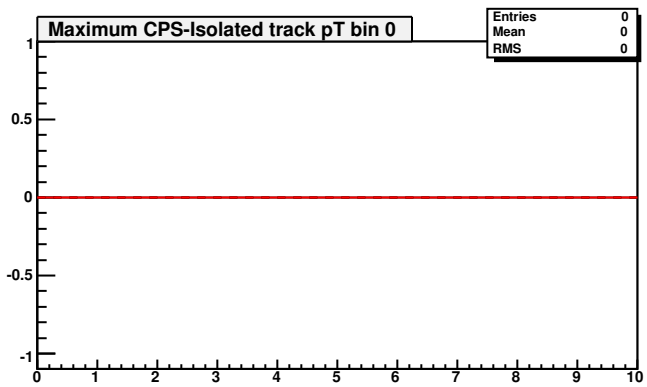


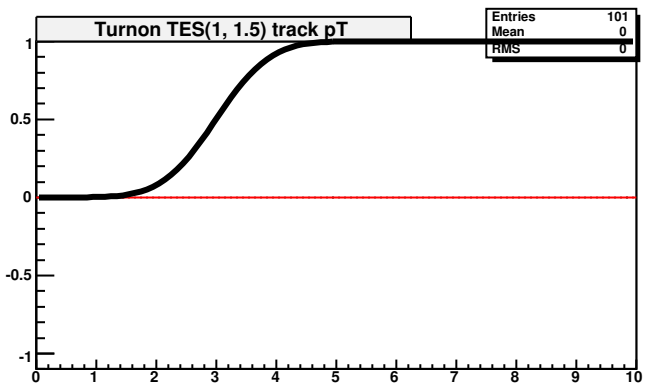


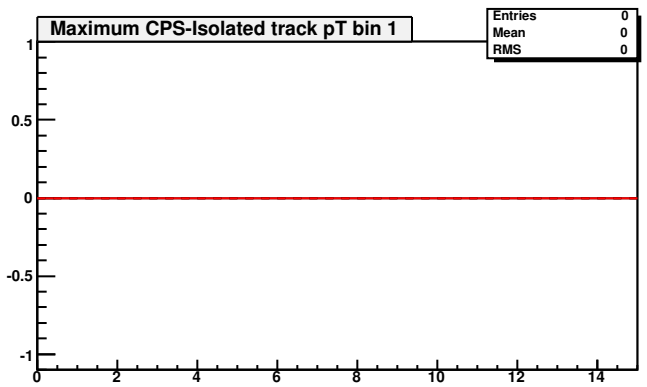


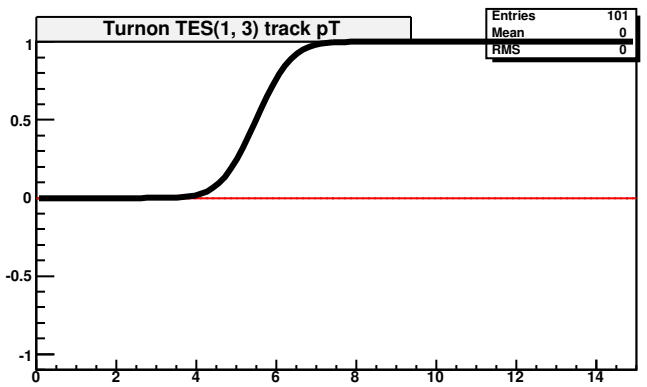


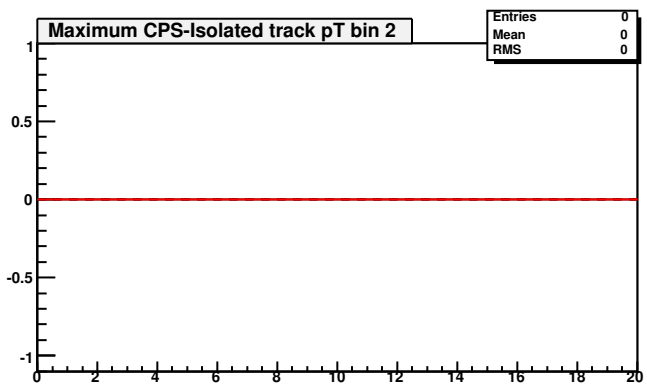
TEL Turnon curves (L1CTT All)

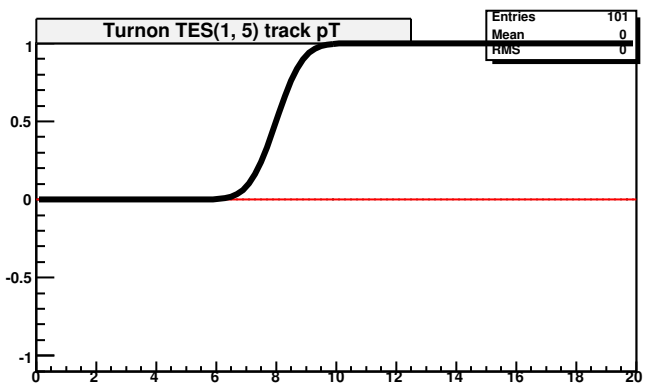


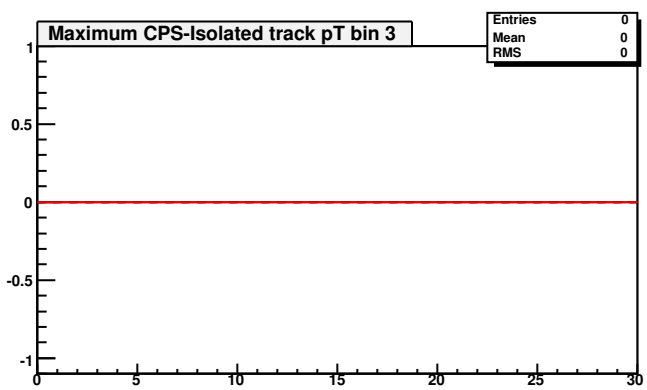


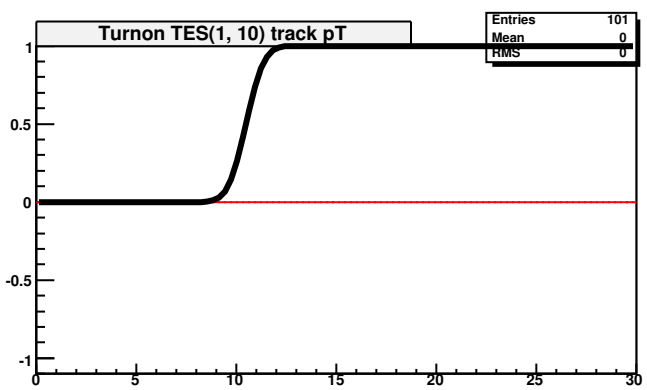




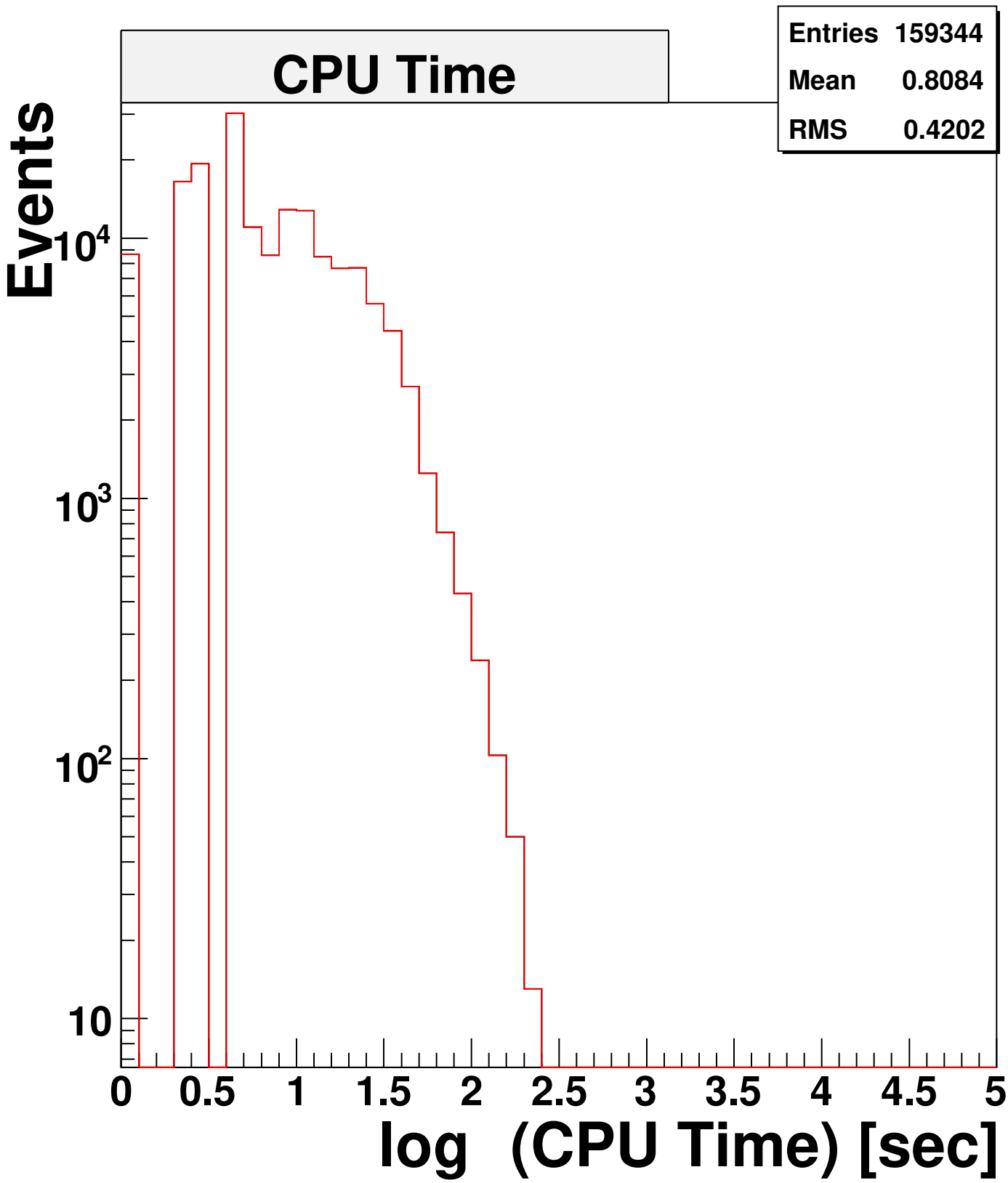








TES Turnon curves (L1CTT All)



RECO Performance (Timing)