dayset-2006-08-28-all_2-224637-0_certification_20070
/rooms/seminole/steele/merge/in2p3/unmerged/dayse

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Page 4: Tracks Hits (All)
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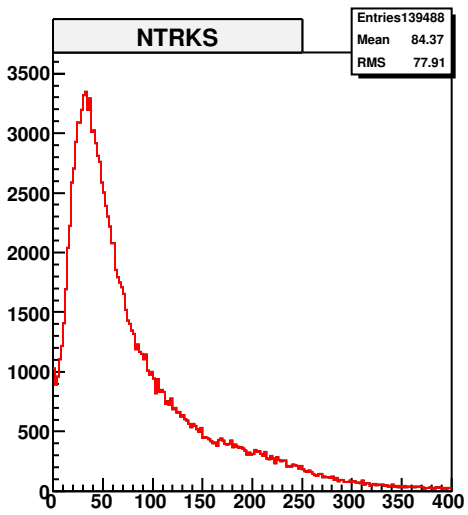
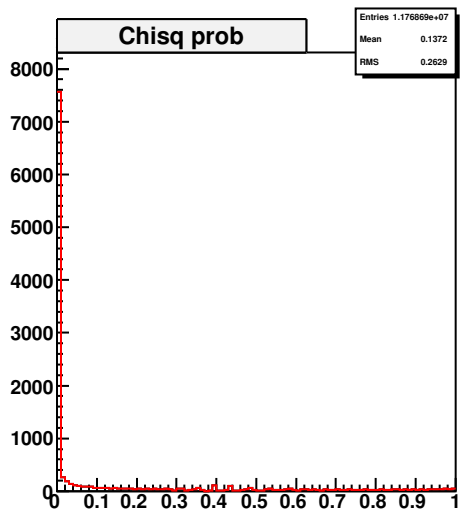
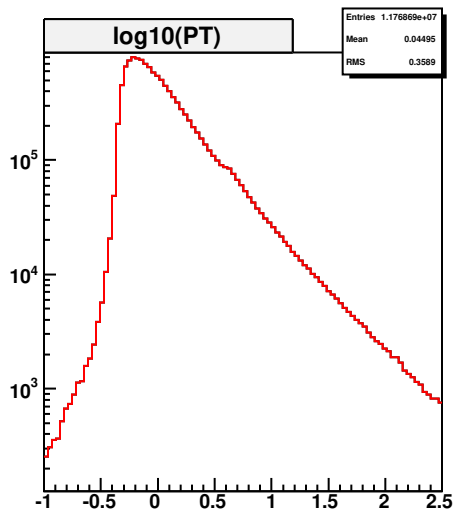
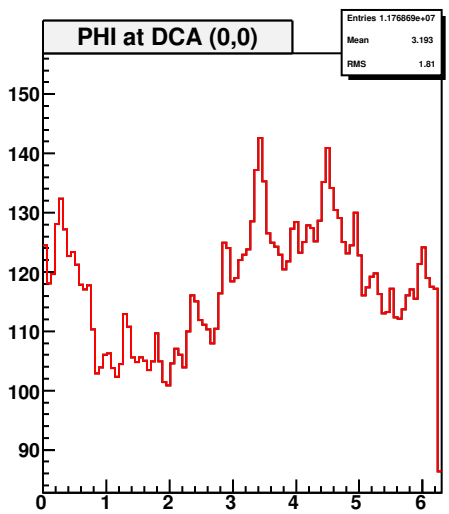
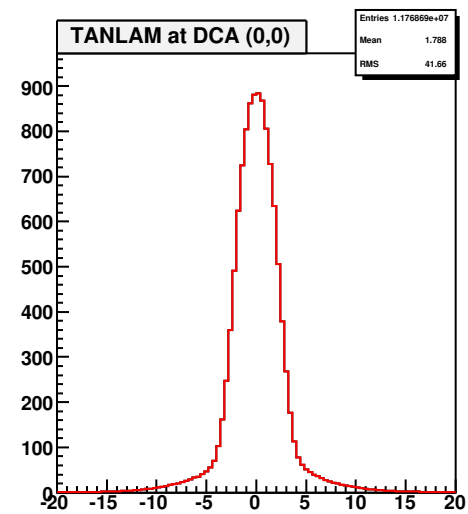
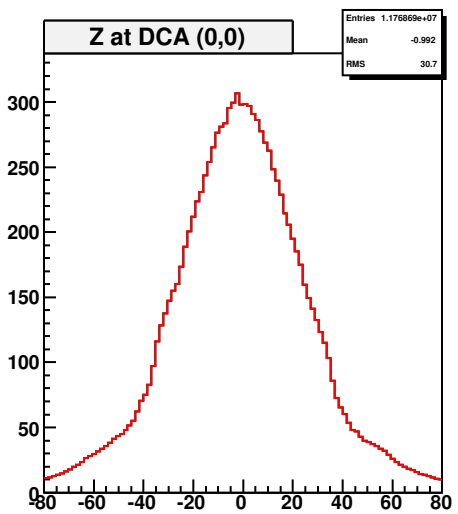

NTRKS
Entries139488
Mean 84.37
RMS 77.91

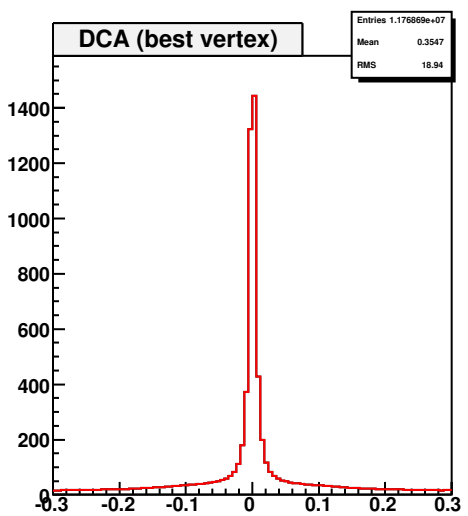

Chisq prob
Entries 1.176869e+07
Mean 0.1372
RMS 0.2629

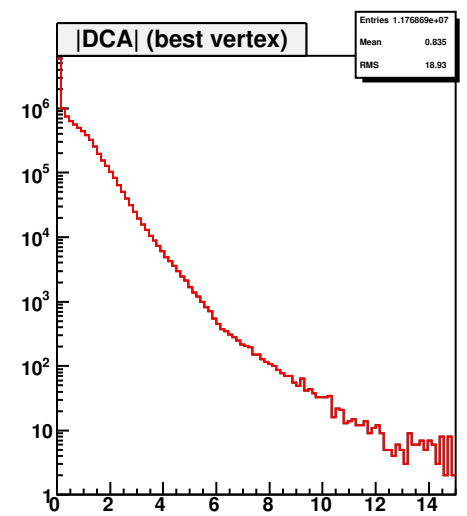

log10(PT)
Entries 1.176869e+07
Mean 0.04495
RMS 0.3589

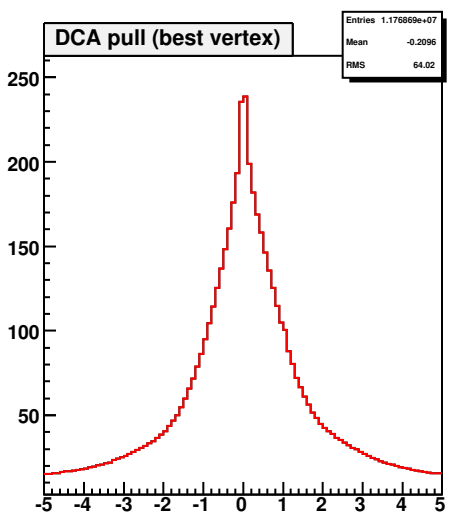

PHI at DCA (0,0)
Entries 1.176869e+07
Mean 3.193
RMS 1.81


TANLAM at DCA (0,0)
Entries 1.176869e+07
Mean 1.788
RMS 41.66

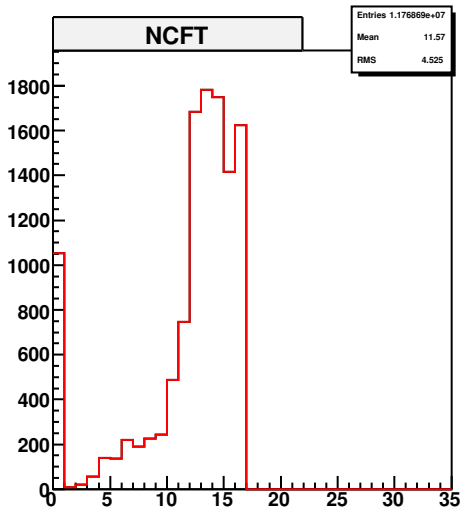

Z at DCA (0,0)
Entries 1.176869e+07
Mean -0.992
RMS 30.7

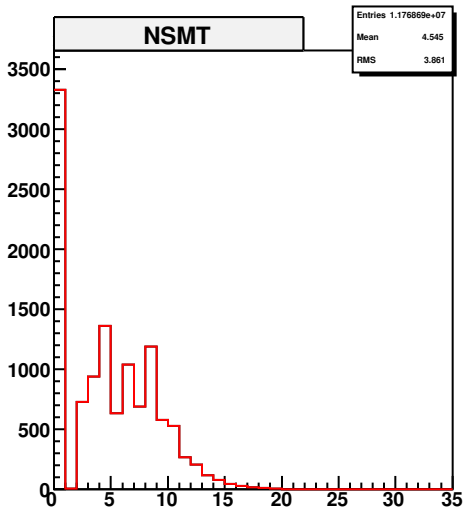

DCA (best vertex)
Entries 1.176869e+07
Mean 0.3547
RMS 18.94

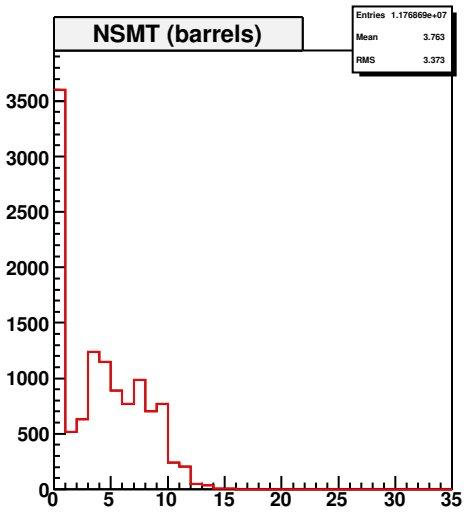

|DCA| (best vertex)
Entries 1.176869e+07
Mean 0.835
RMS 18.93

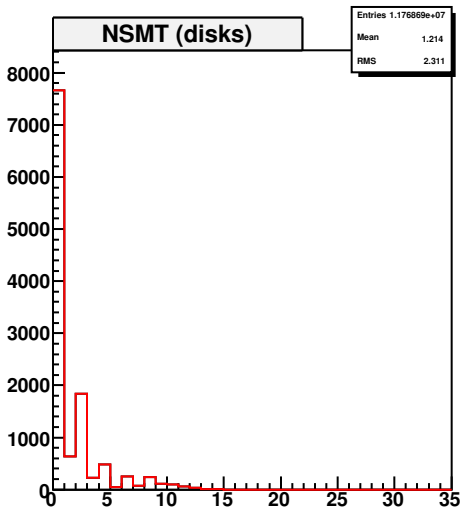

DCA pull (best vertex)
Entries 1.176869e+07
Mean -0.2096
RMS 64.02

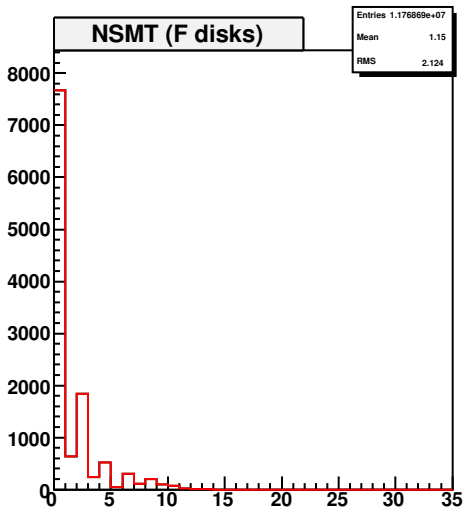
Tracks (All)

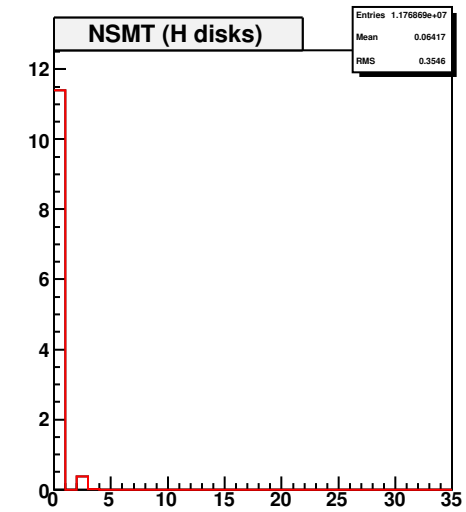


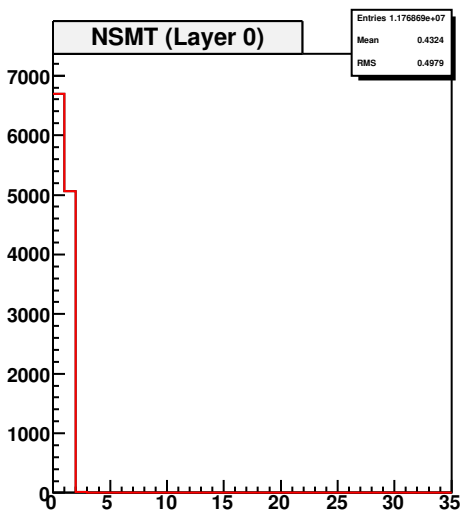




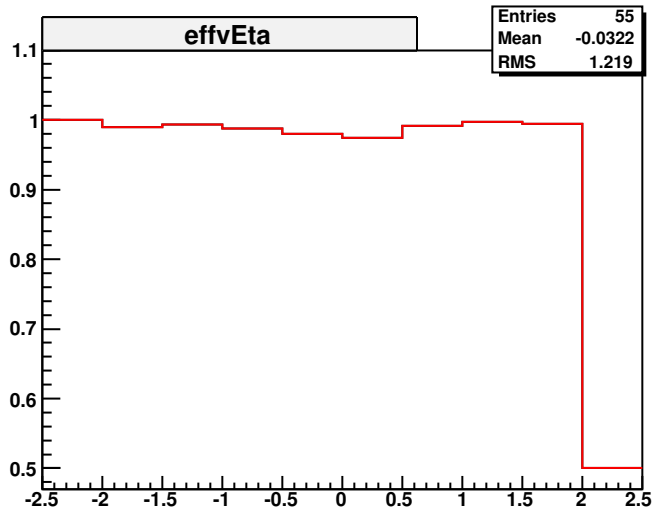


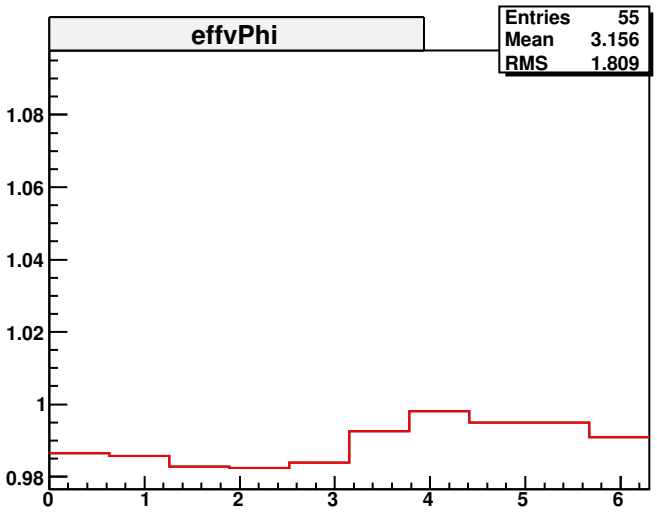


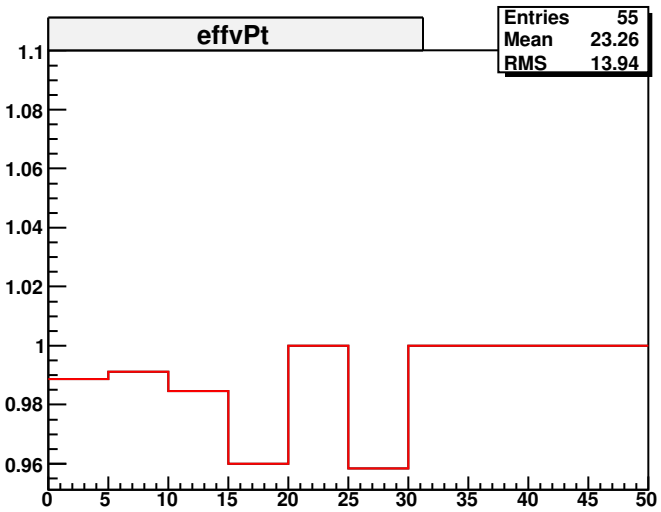


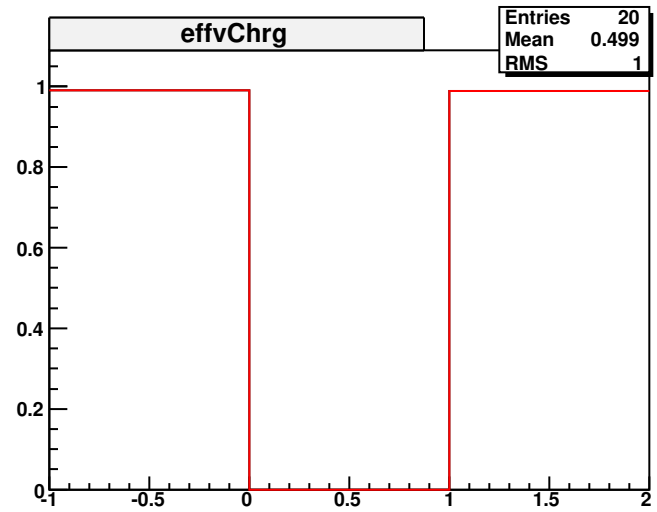


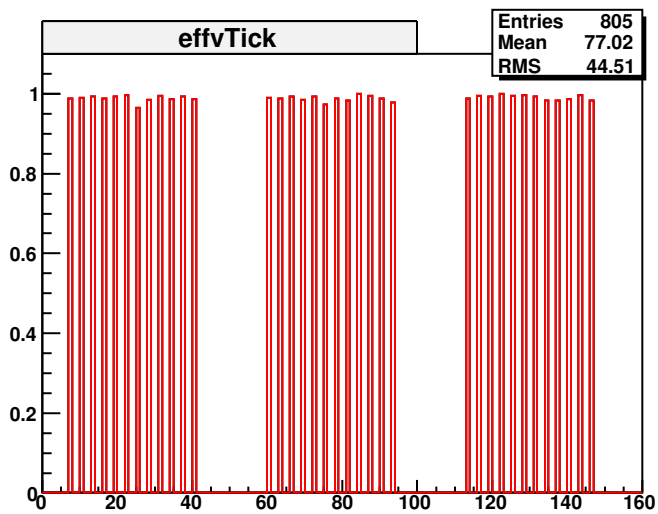
Track Hits (All)

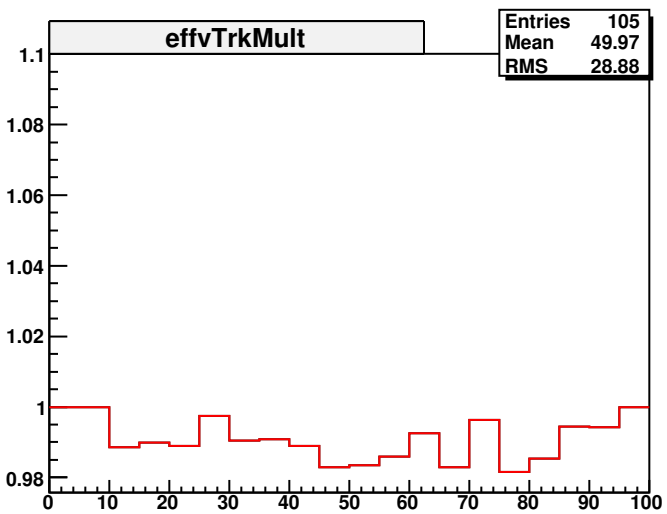




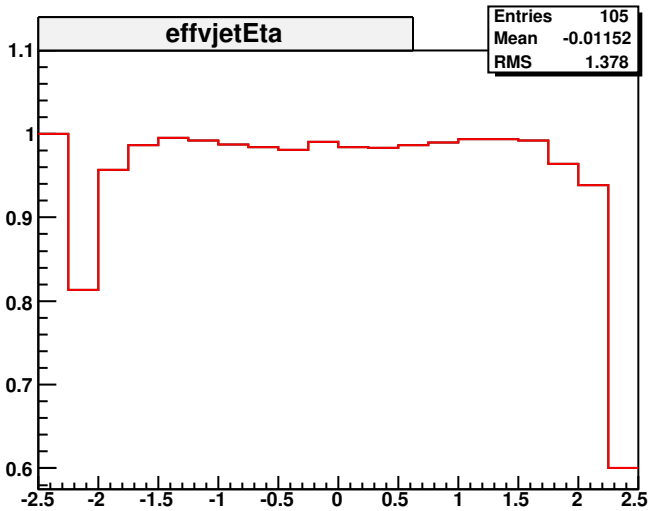


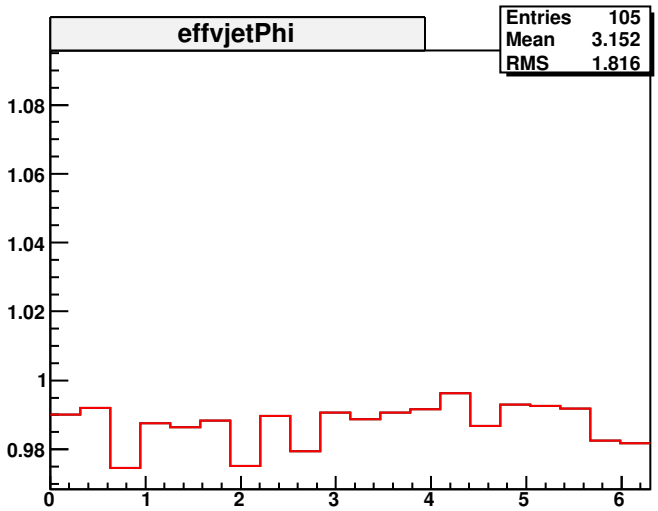


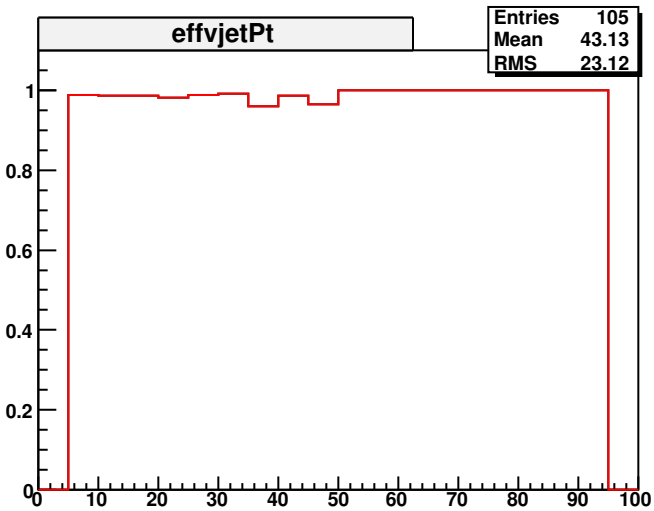


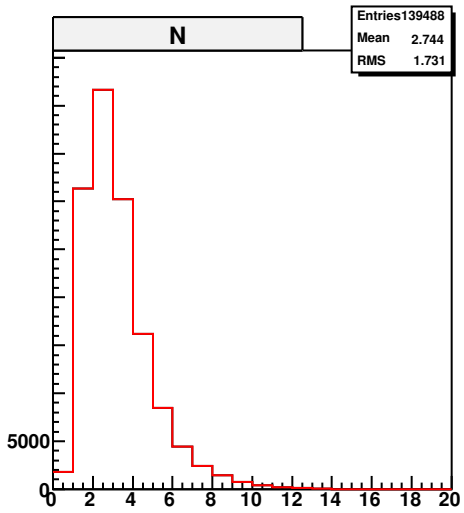


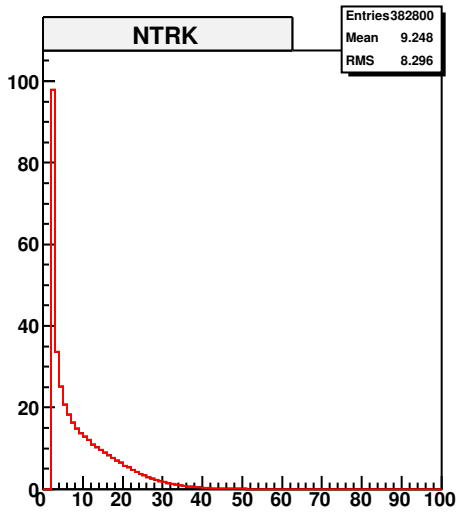
Tracking (Efficiency-Isolated)

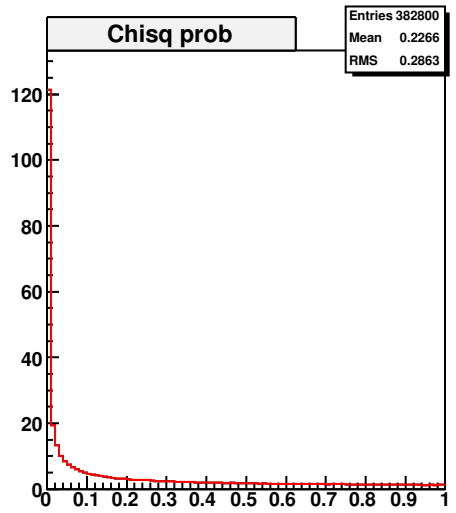

effvjetEta
Entries 105
Mean -0.01152
RMS 1.378
1.1
1
0.9
0.8
0.7
0.6
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

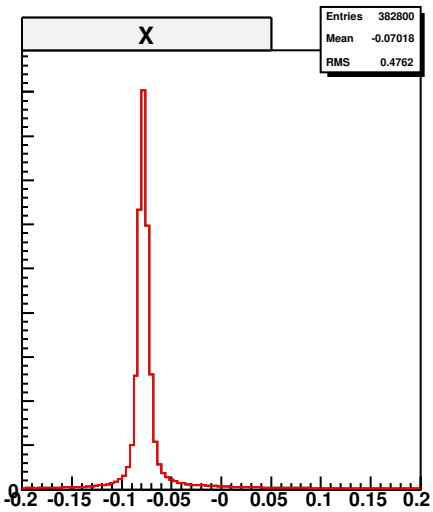

effvjetPhi
Entries 105
Mean 3.152
RMS 1.816
1.08
1.06
1.04
1.02
1
0.98
0 1 2 3 4 5 6

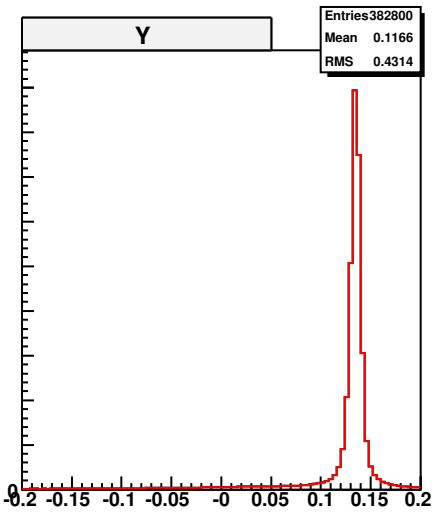

effvjetPt
Entries 105
Mean 43.13
RMS 23.12
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

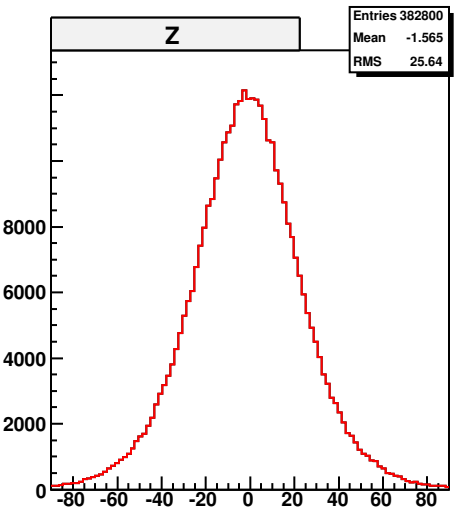




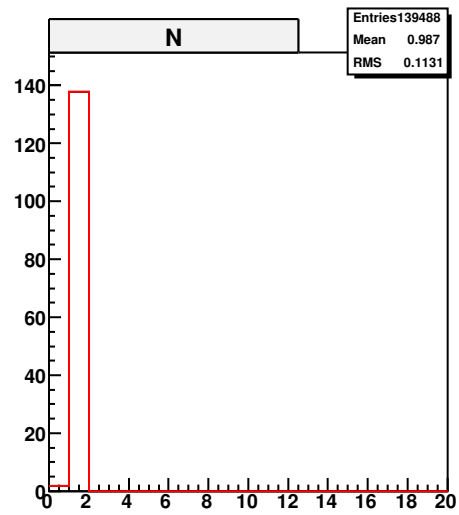


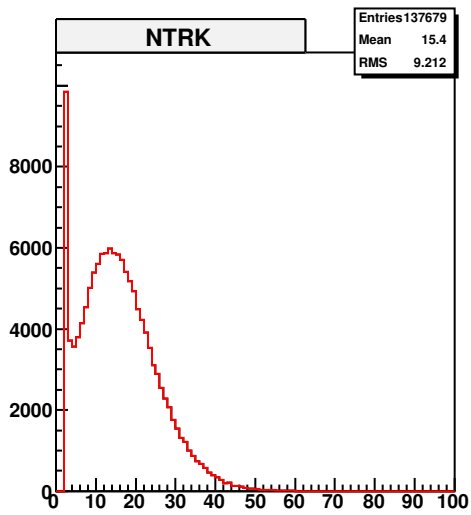


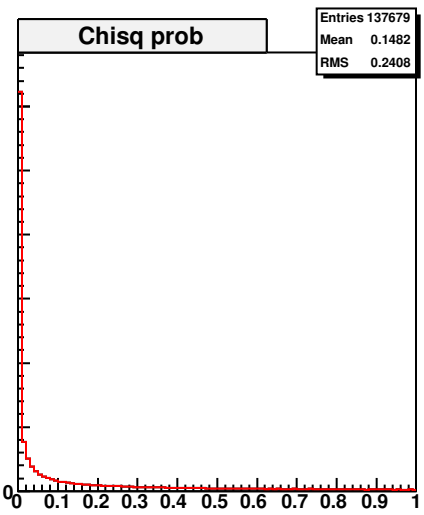


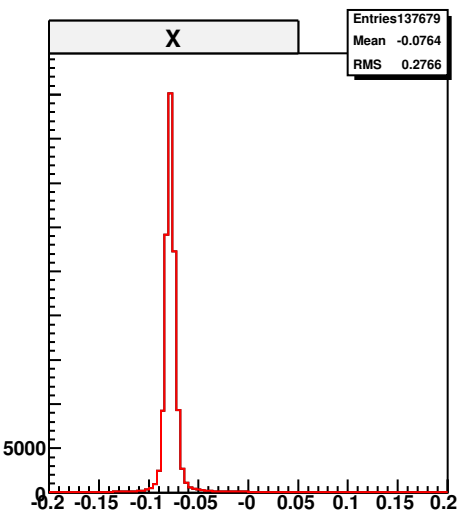


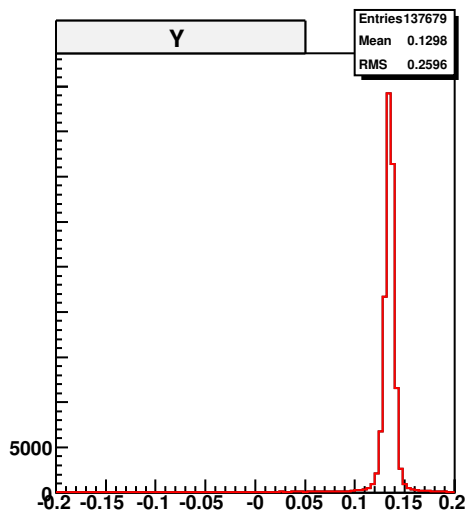
Vertices (Primary - all candidates)

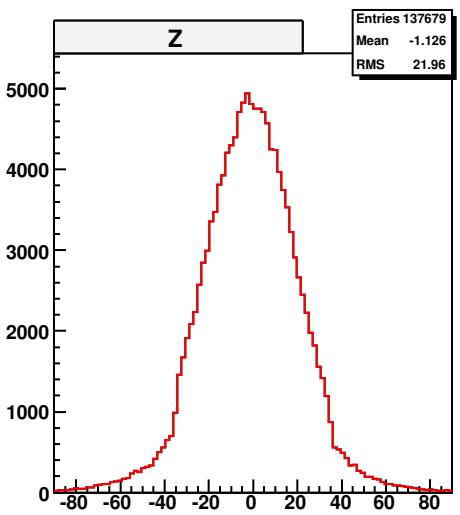




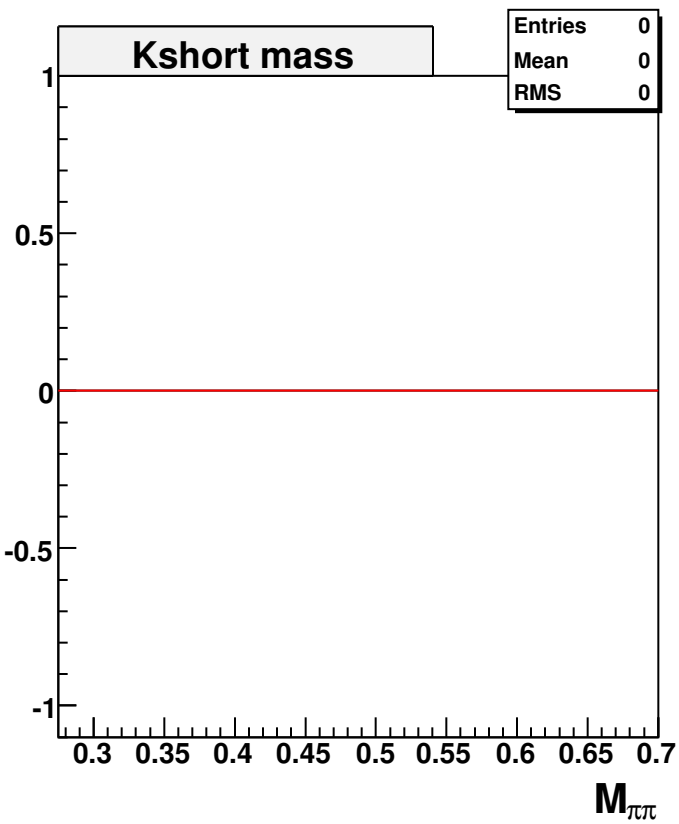


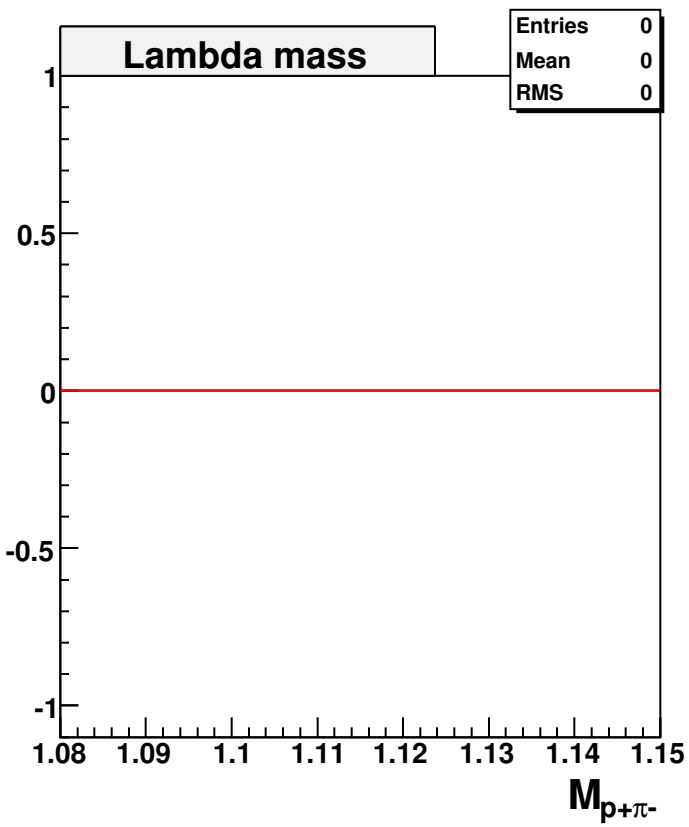


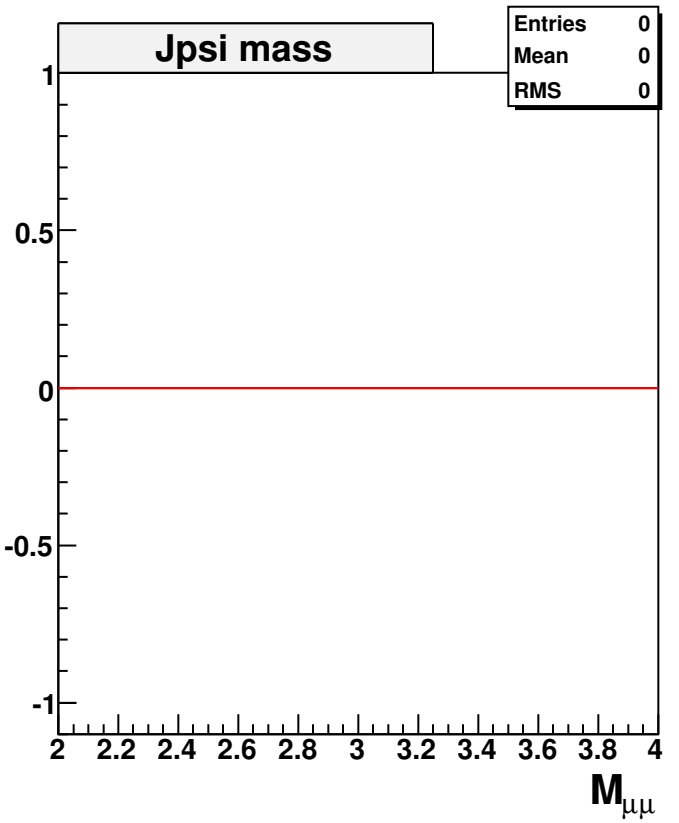


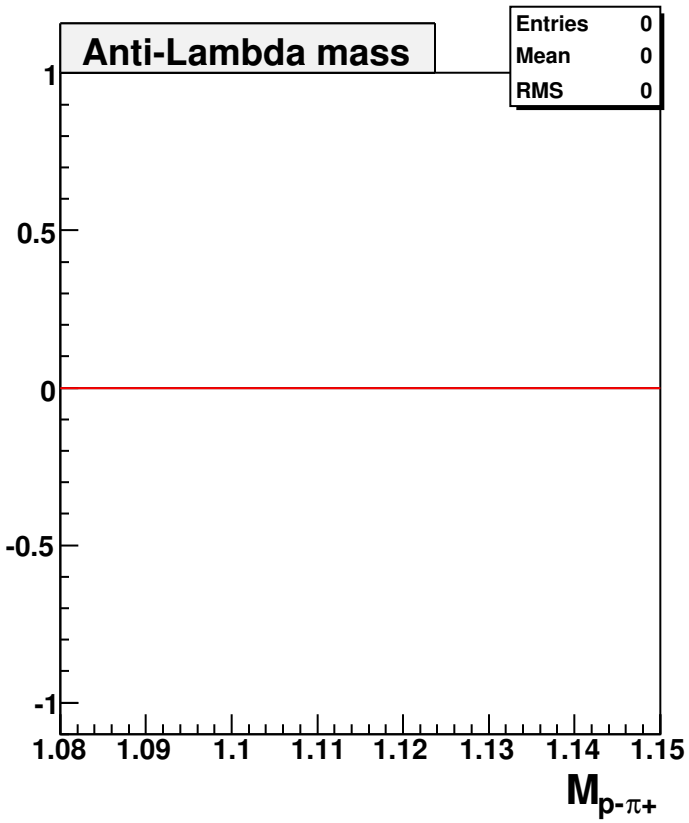


Vertices (Primary - best)

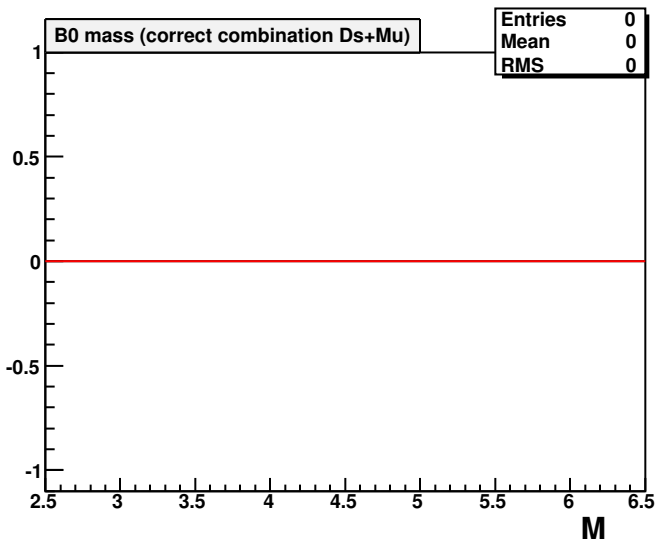

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

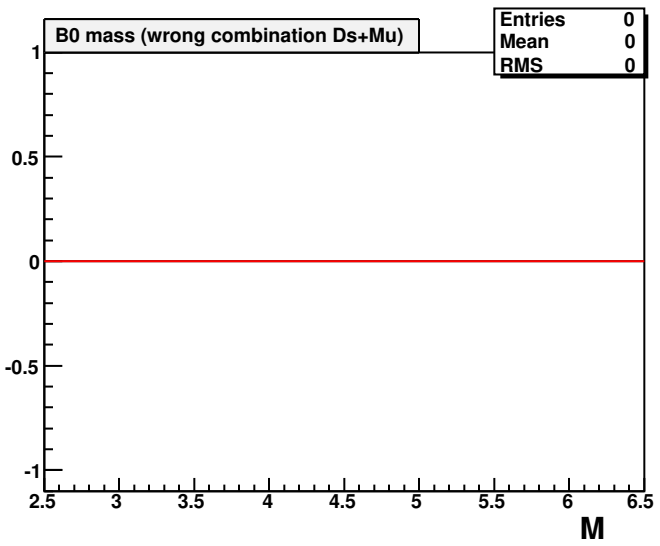

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

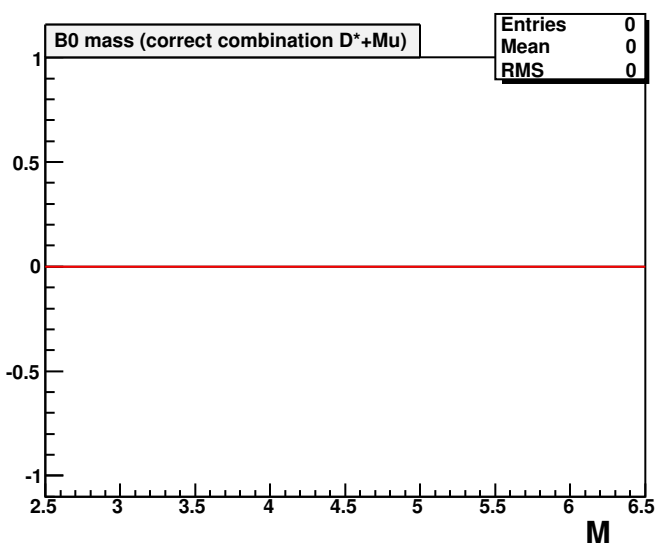

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

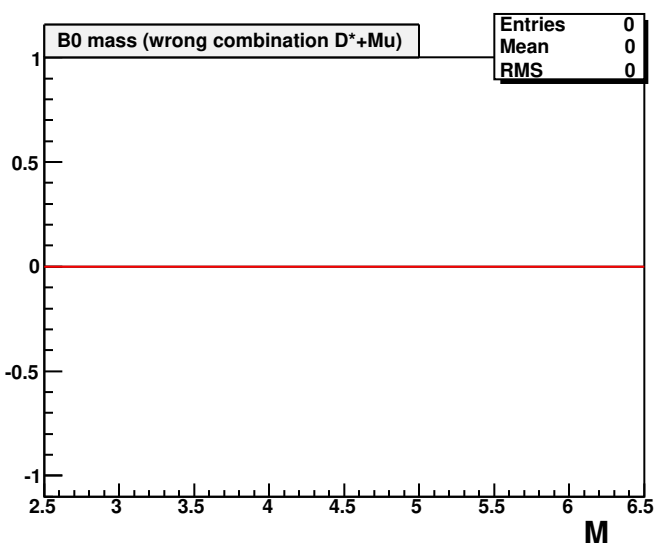

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

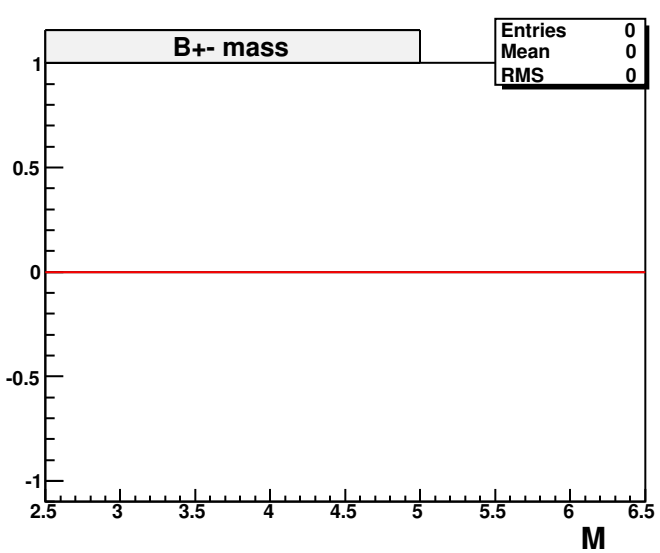
V0 (All)



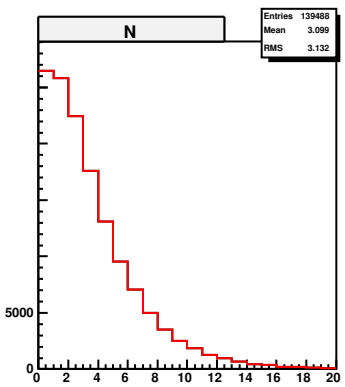


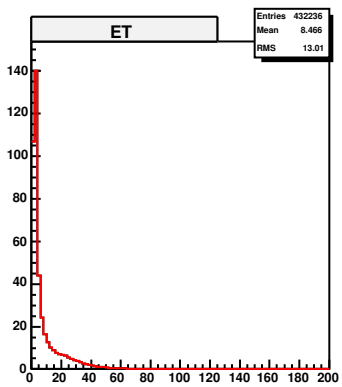


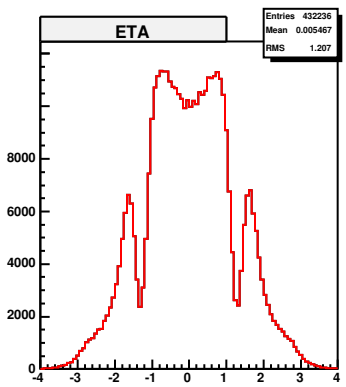


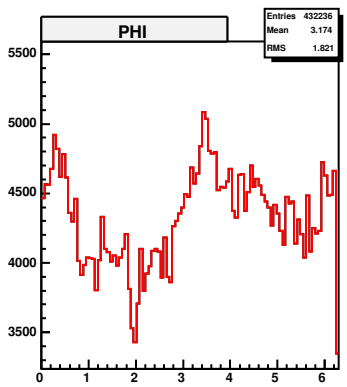


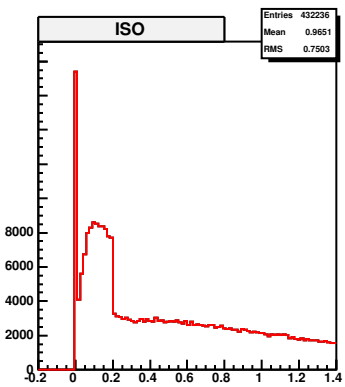
V0(B mesons) (All)

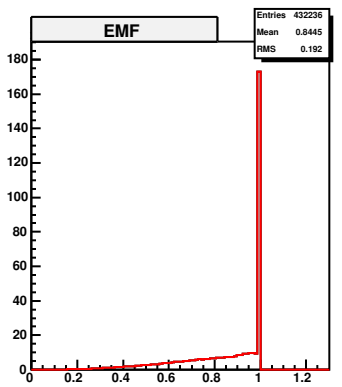


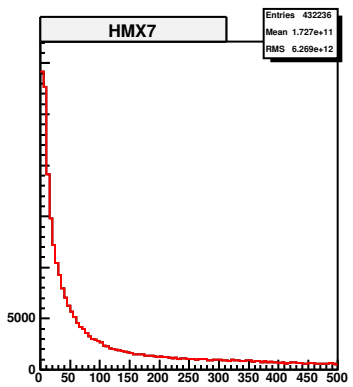


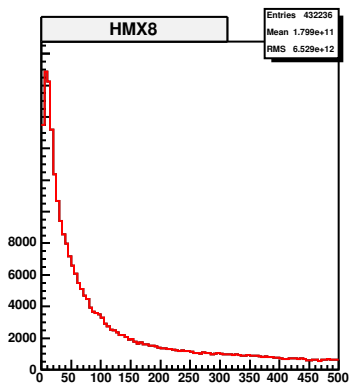


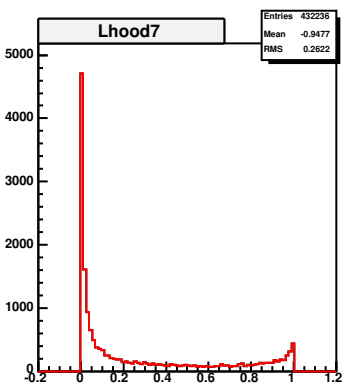


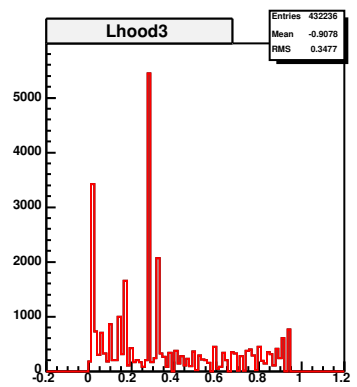


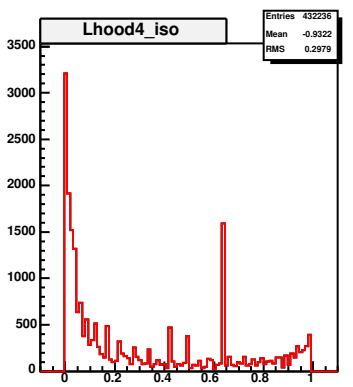


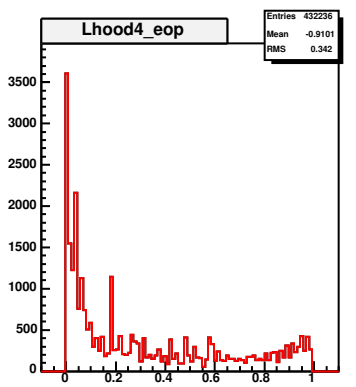


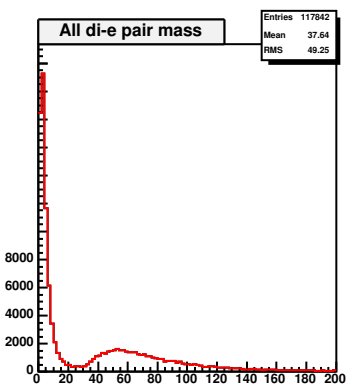


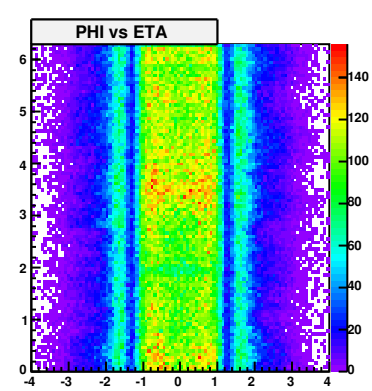


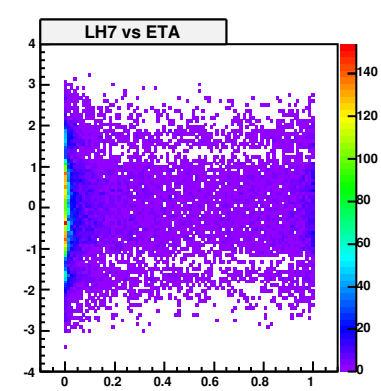


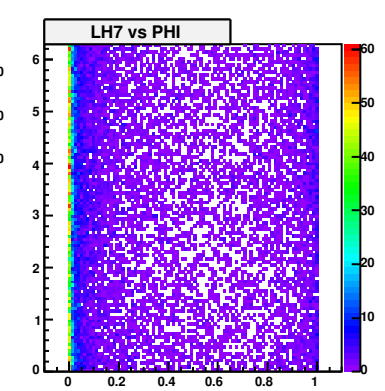




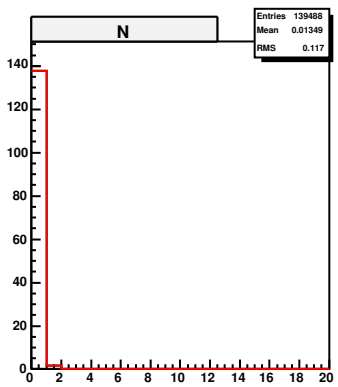


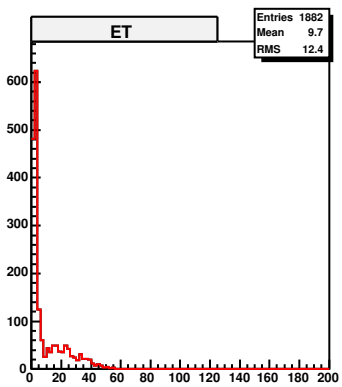


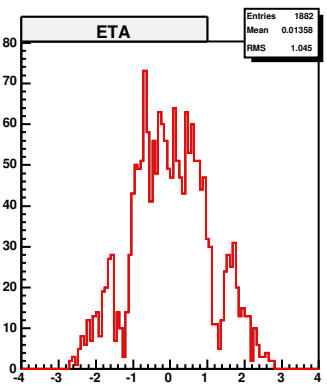


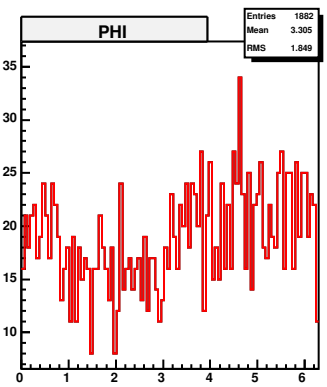


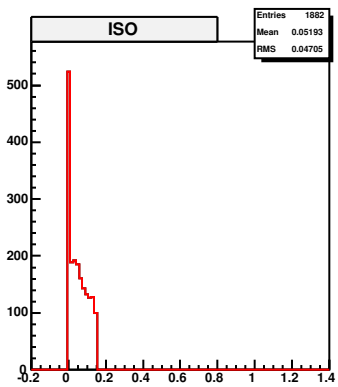
Electrons (SCONE All)

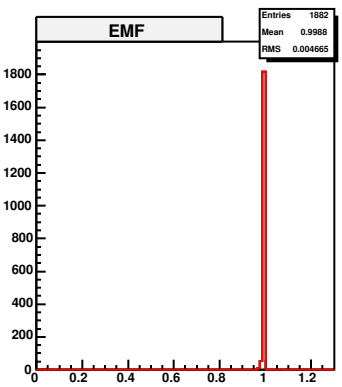


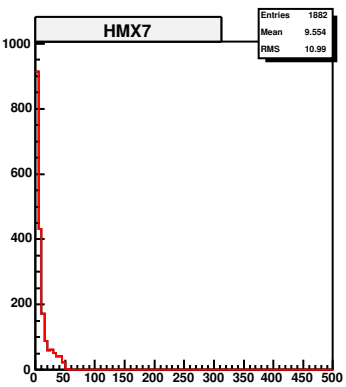


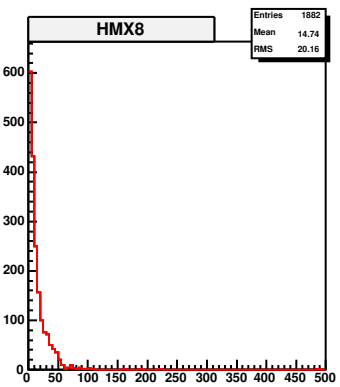


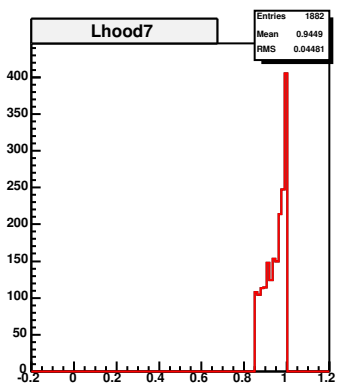


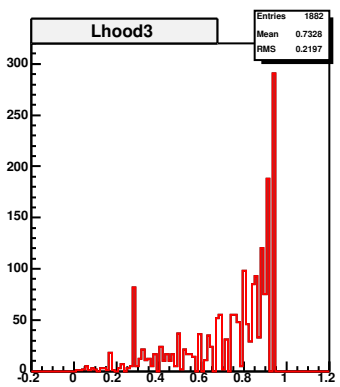


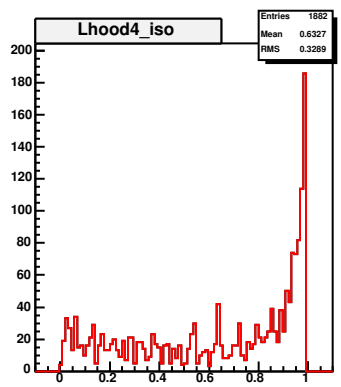


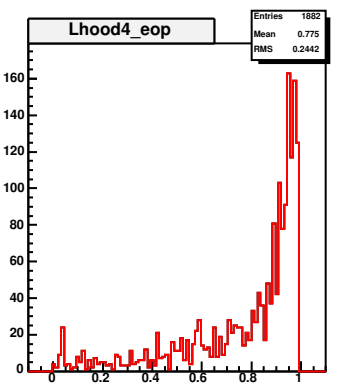


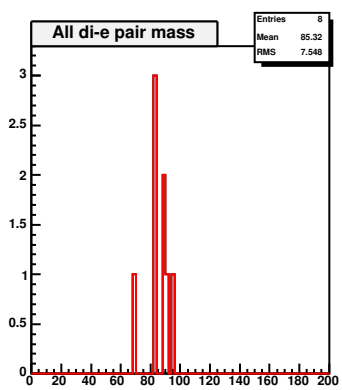


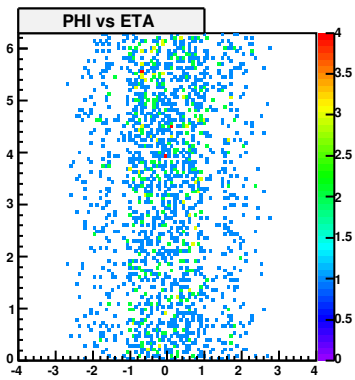


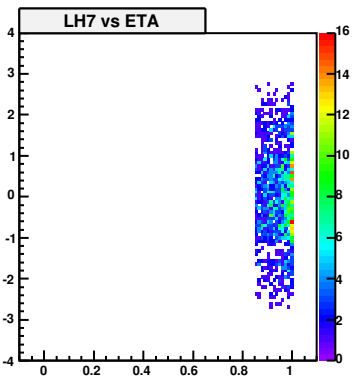


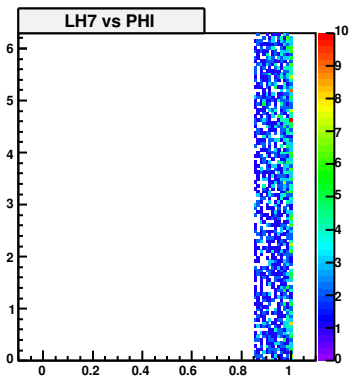




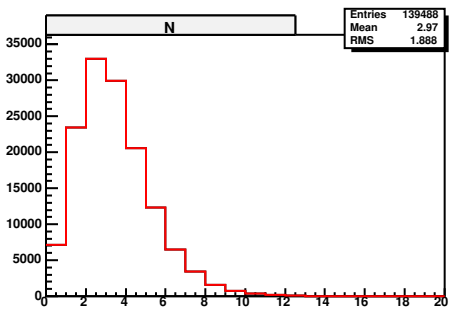


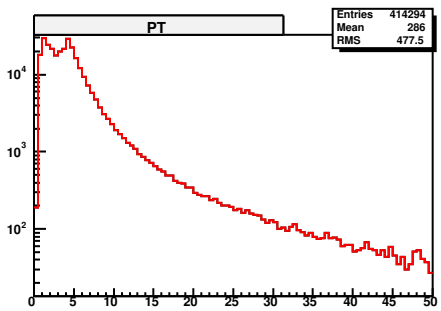


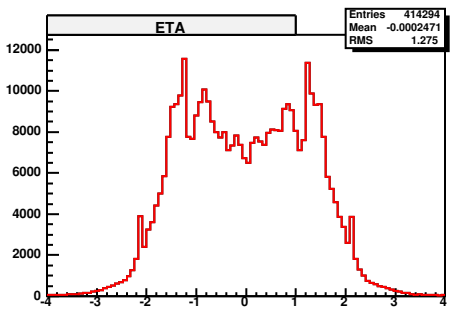


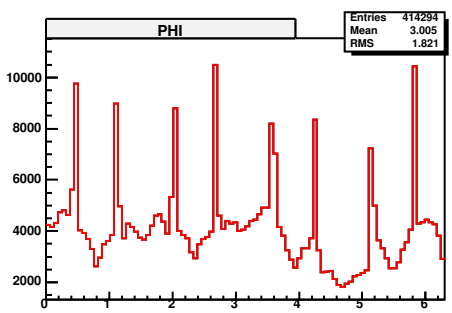


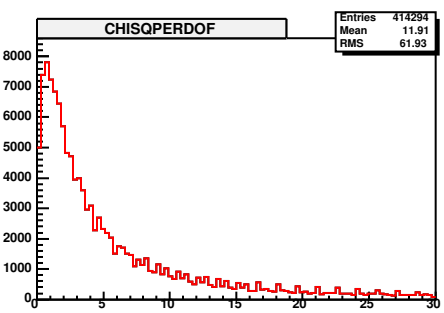
Electrons (SCONE Tight)

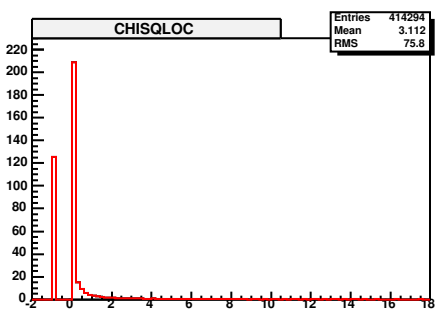

N
Entries 139488
Mean 2.97
RMS 1.888

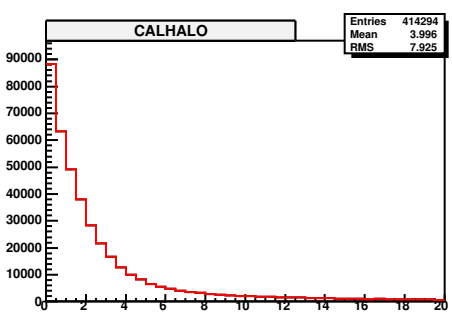

PT
Entries 414294
Mean 286
RMS 477.5

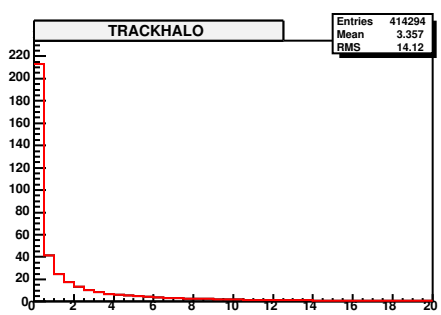

ETA
Entries 414294
Mean -0.0002471
RMS 1.275

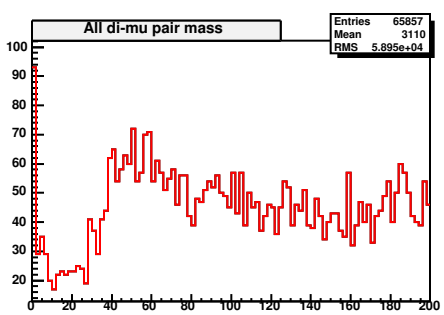

PHI
Entries 414294
Mean 3.005
RMS 1.821

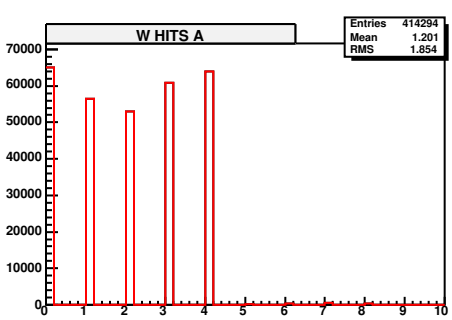

CHISQPERDOF
Entries 414294
Mean 11.91
RMS 61.93

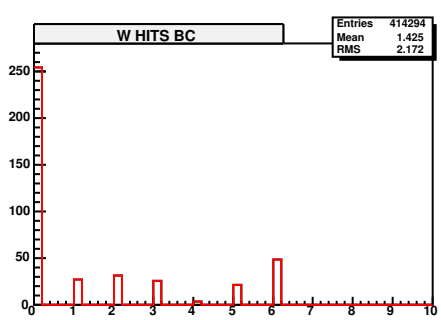

CHISQLOC
Entries 414294
Mean 3.112
RMS 75.8

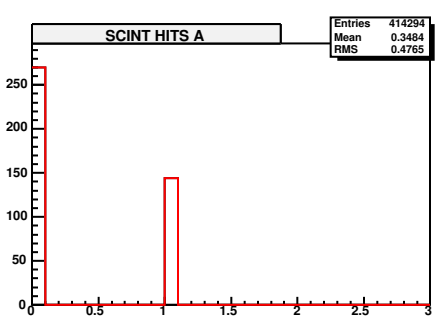

CALHALO
Entries 414294
Mean 3.996
RMS 7.925

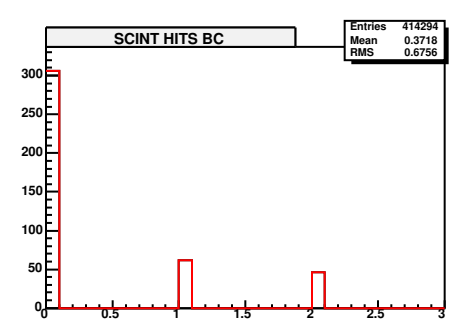

TRACKHALO
Entries 414294
Mean 3.357
RMS 14.12


All di-mu pair mass
Entries 65857
Mean 3110
RMS 5.895e+04

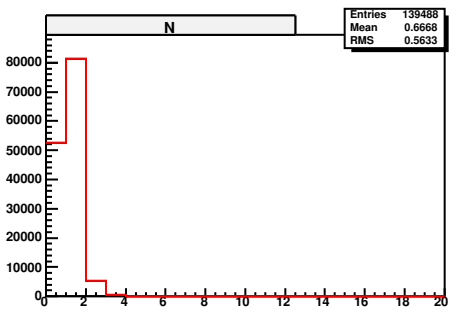

W HITS A
Entries 414294
Mean 1.201
RMS 1.854

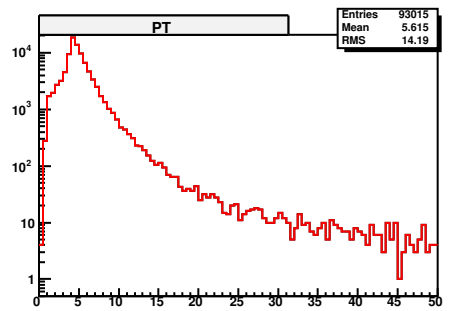

W HITS BC
Entries 414294
Mean 1.425
RMS 2.172

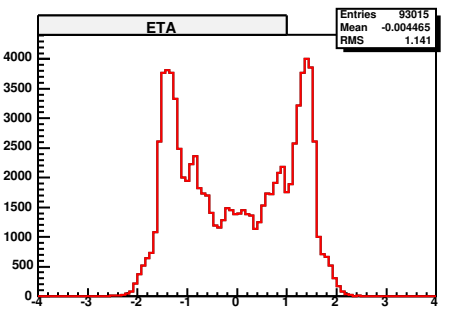

SCINT HITS A
Entries 414294
Mean 0.3484
RMS 0.4765

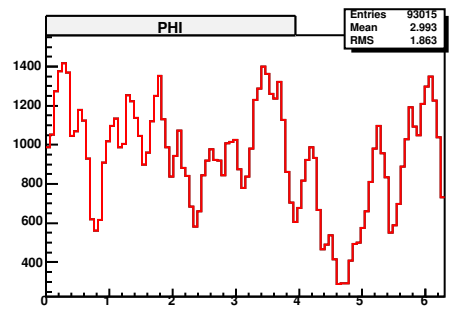

SCINT HITS BC
Entries 414294
Mean 0.3718
RMS 0.6756

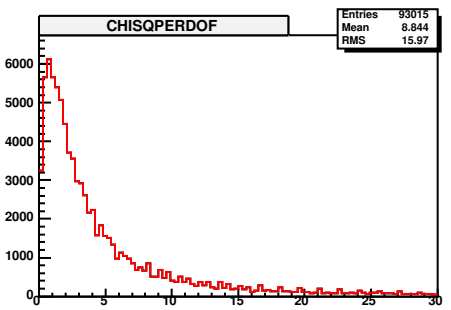
Muons (All)

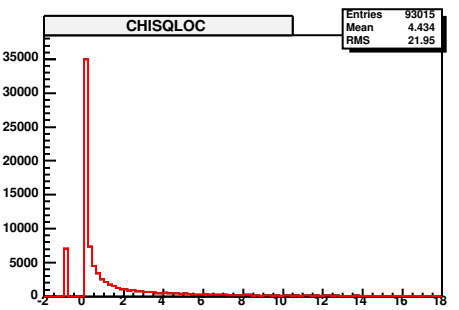


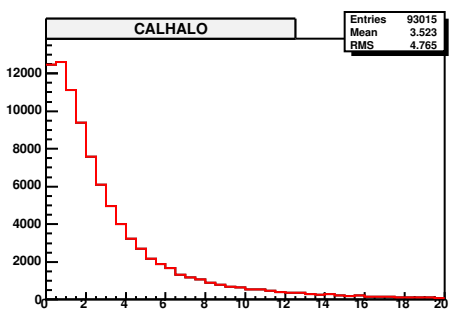


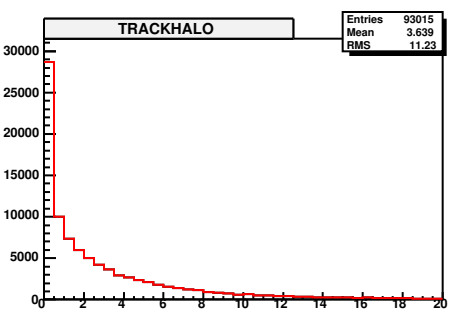


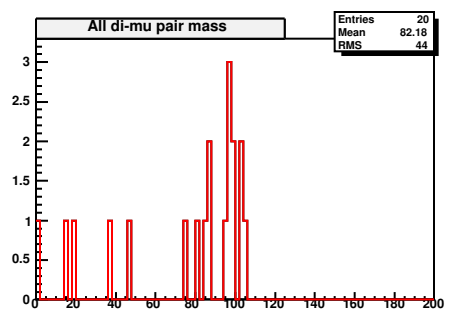


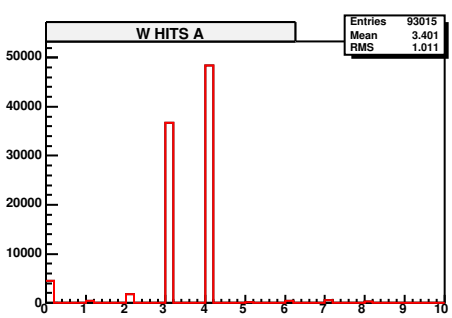


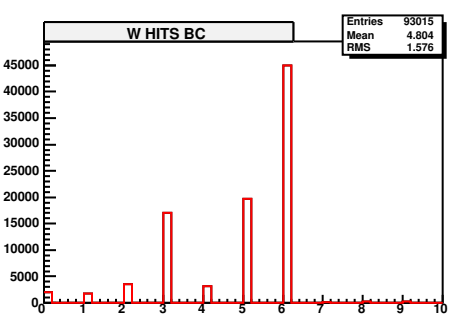


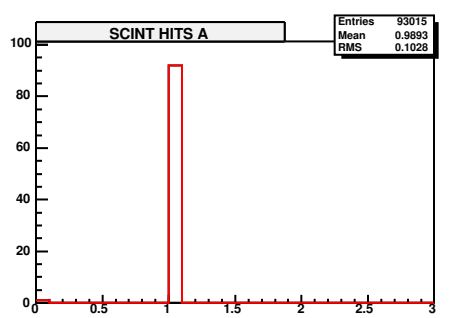


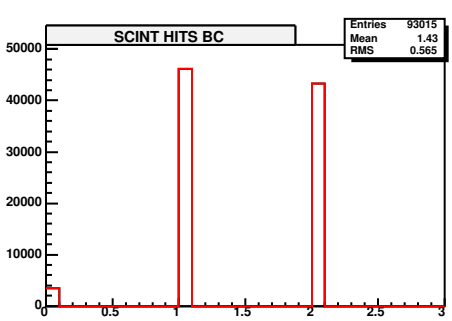




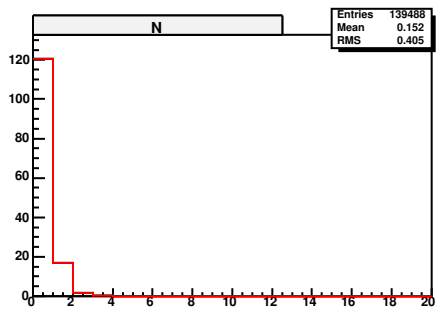


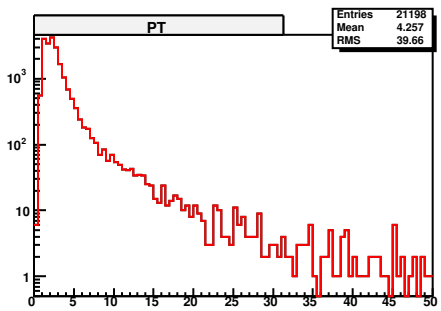


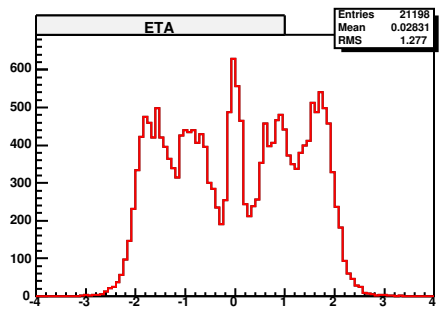


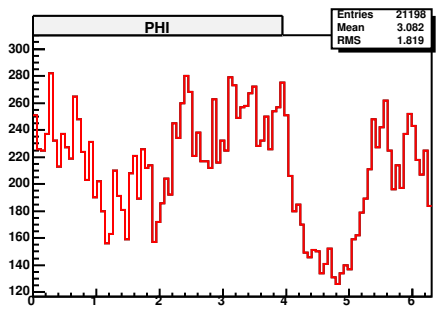


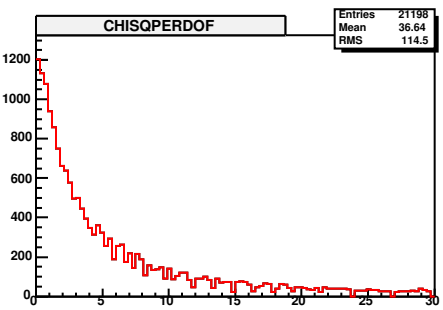
Muons (Matched)

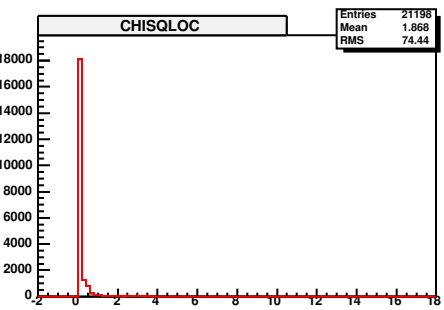

N
Entries 139488
Mean 0.152
RMS 0.405

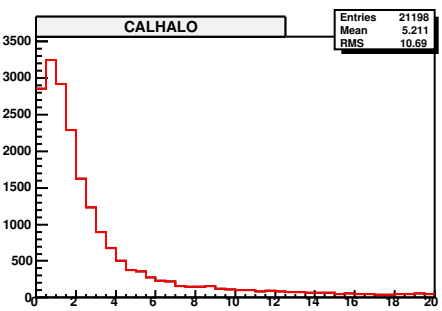

PT
Entries 21198
Mean 4.257
RMS 39.66

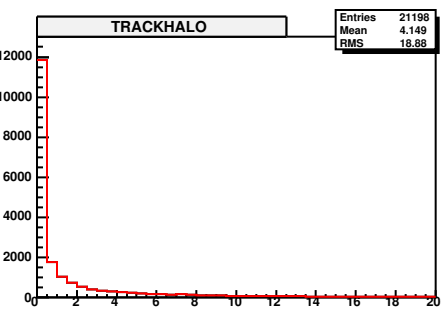

ETA
Entries 21198
Mean 0.02831
RMS 1.277

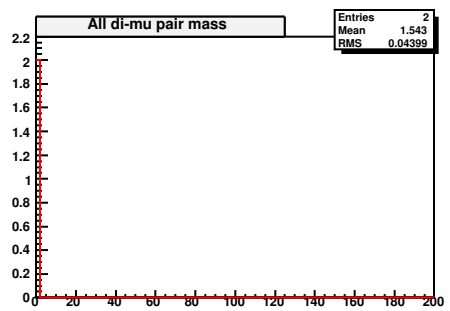

PHI
Entries 21198
Mean 3.082
RMS 1.819

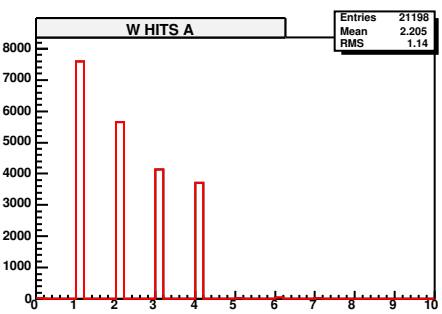

CHISQPERDOF
Entries 21198
Mean 36.64
RMS 114.5

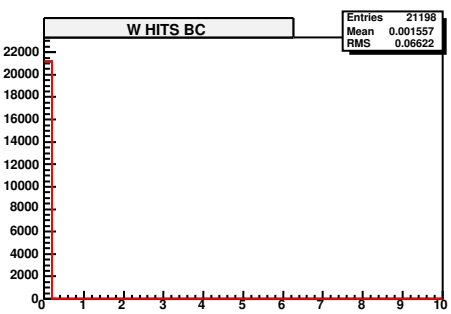

CHISQLOC
Entries 21198
Mean 1.868
RMS 74.44

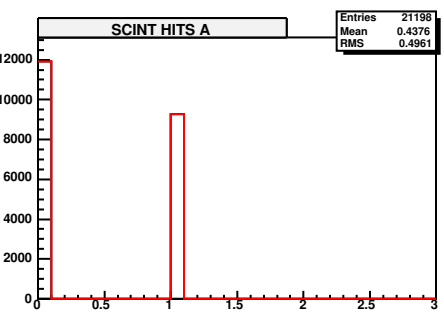

CALHALO
Entries 21198
Mean 5.211
RMS 10.69

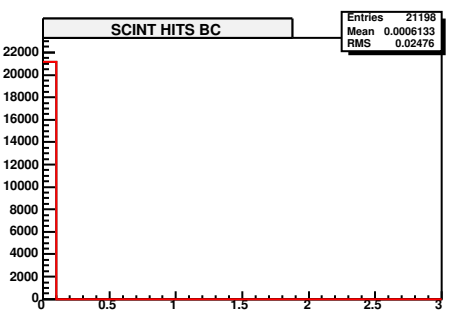

TRACKHALO
Entries 21198
Mean 4.149
RMS 18.88


All di-mu pair mass
Entries 2
Mean 1.543
RMS 0.04399

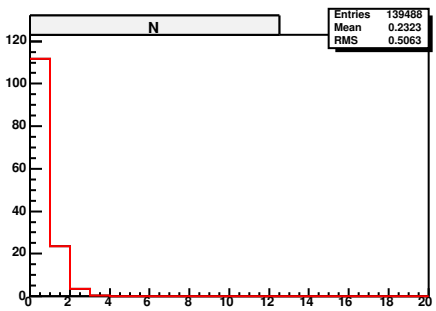

W HITS A
Entries 21198
Mean 2.205
RMS 1.14

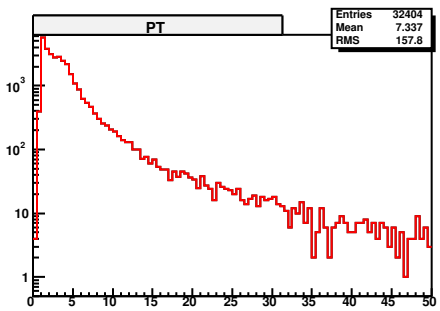

W HITS BC
Entries 21198
Mean 0.001557
RMS 0.06622

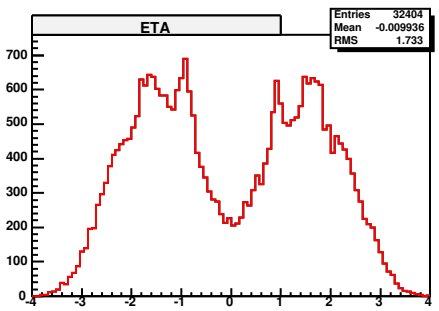

SCINT HITS A
Entries 21198
Mean 0.4376
RMS 0.4961

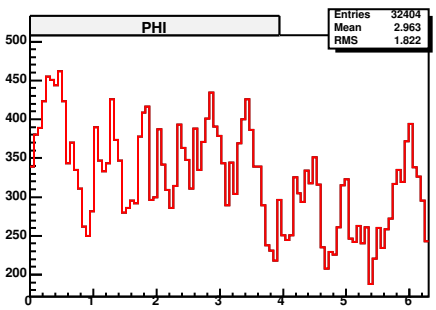

SCINT HITS BC
Entries 21198
Mean 0.0006133
RMS 0.02476

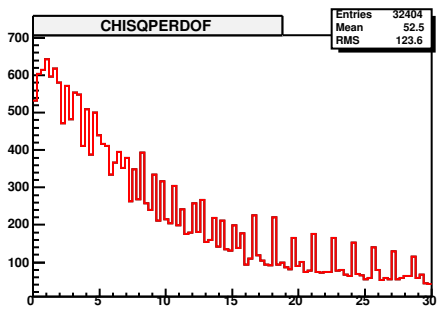
Muons (Astub)

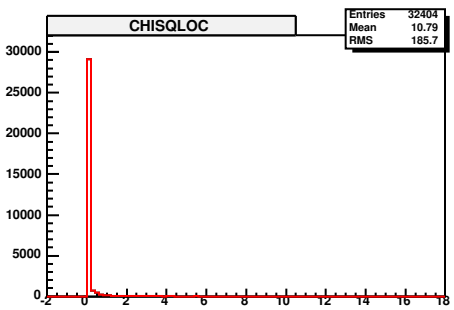


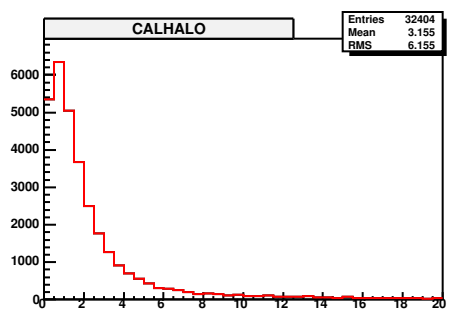


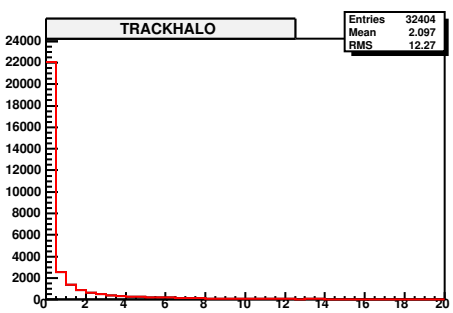


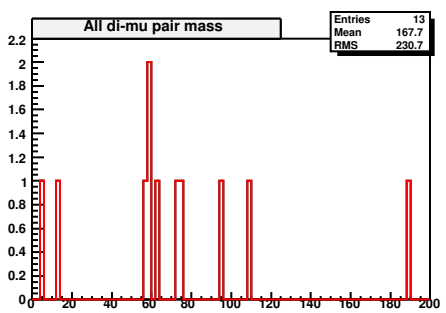


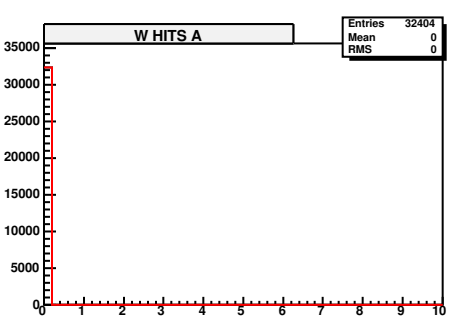


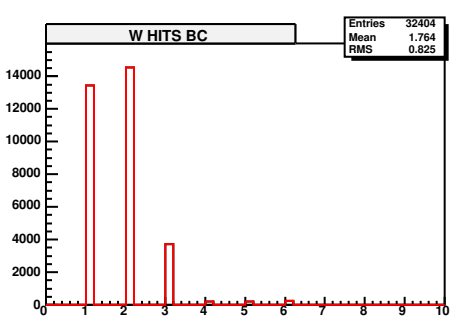


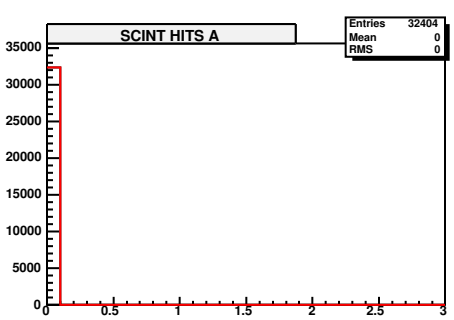


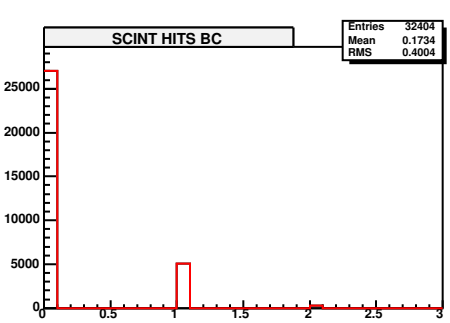




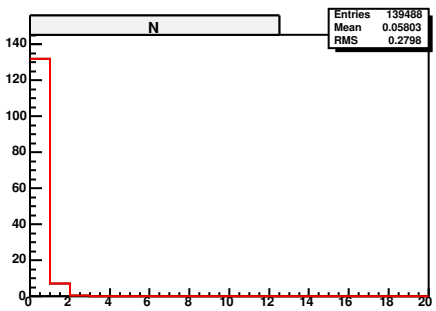


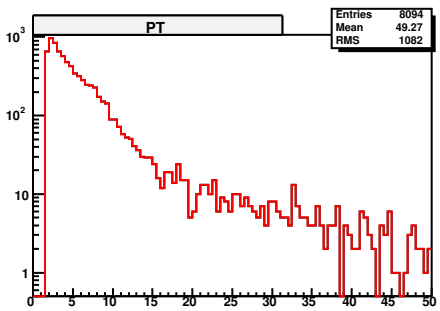


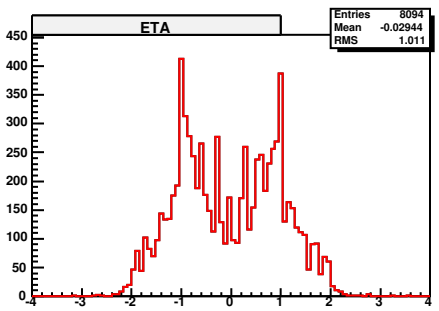


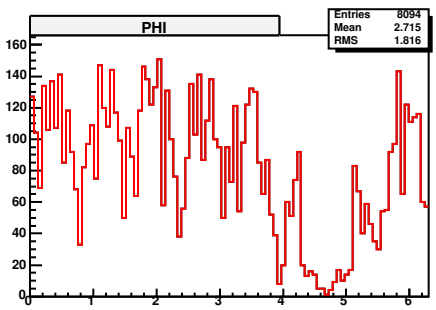


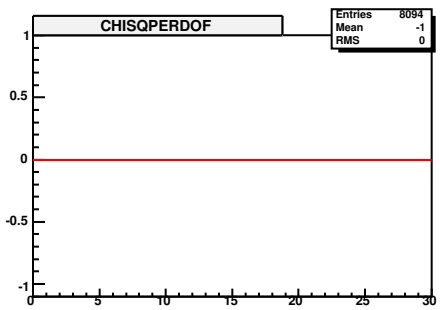
Muons (BCstub)

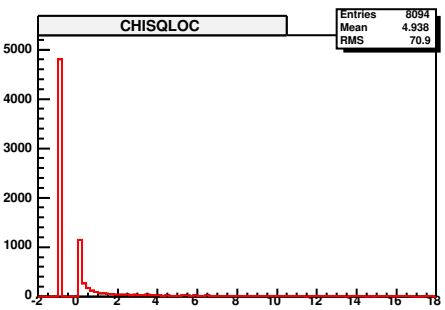


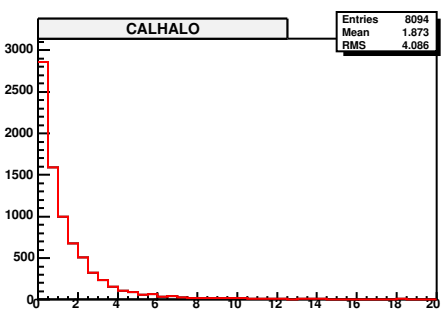


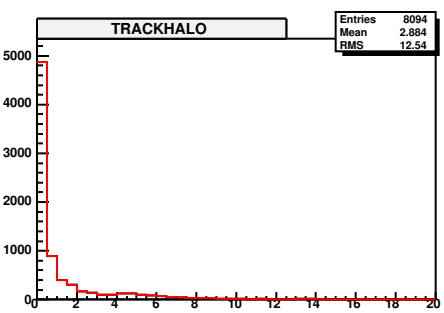


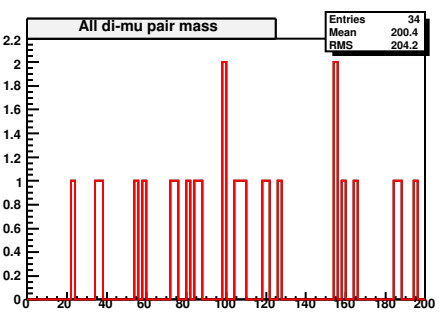


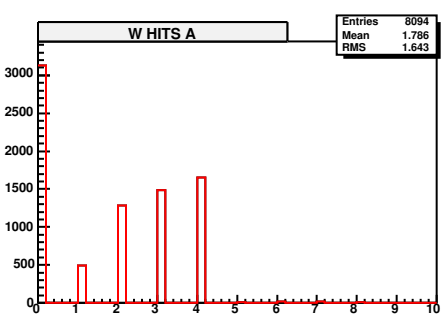


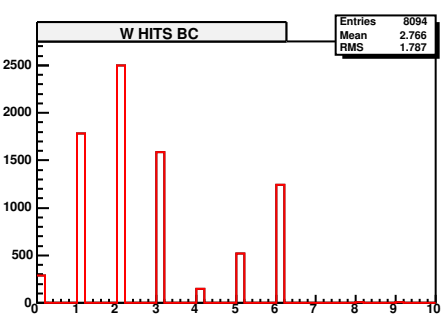


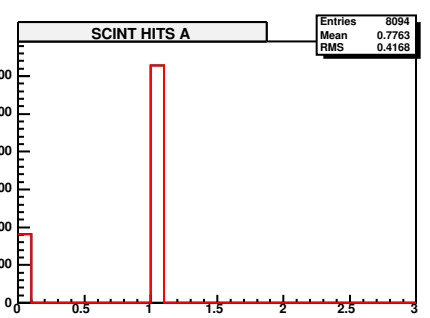


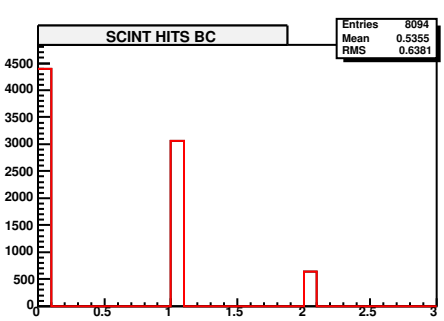




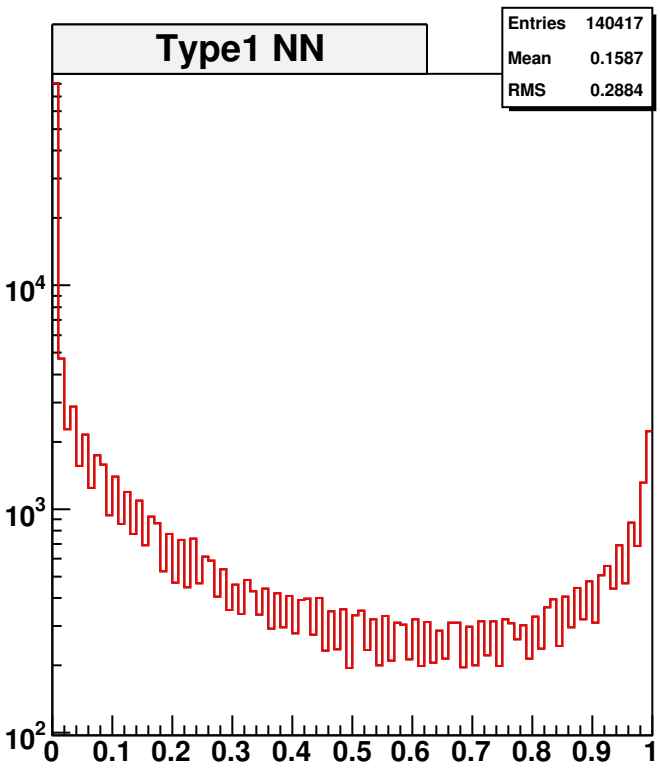


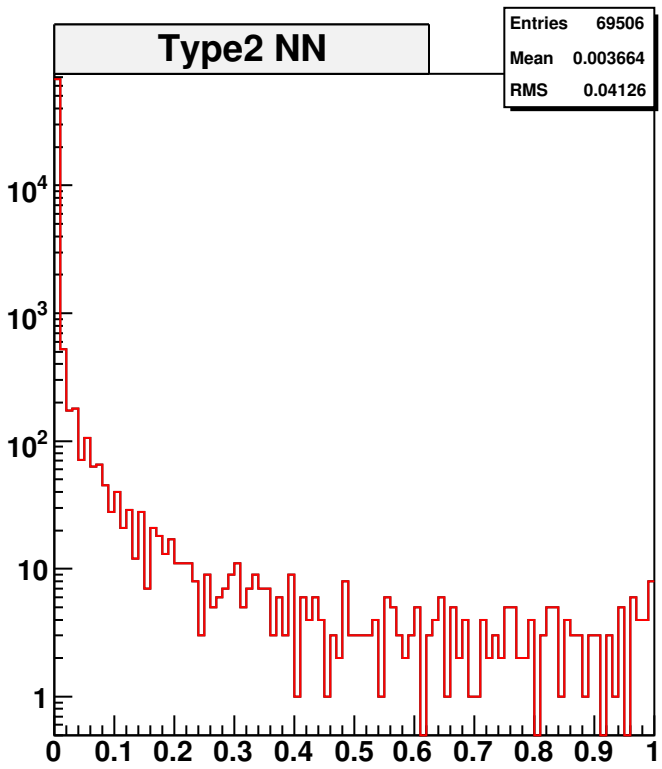


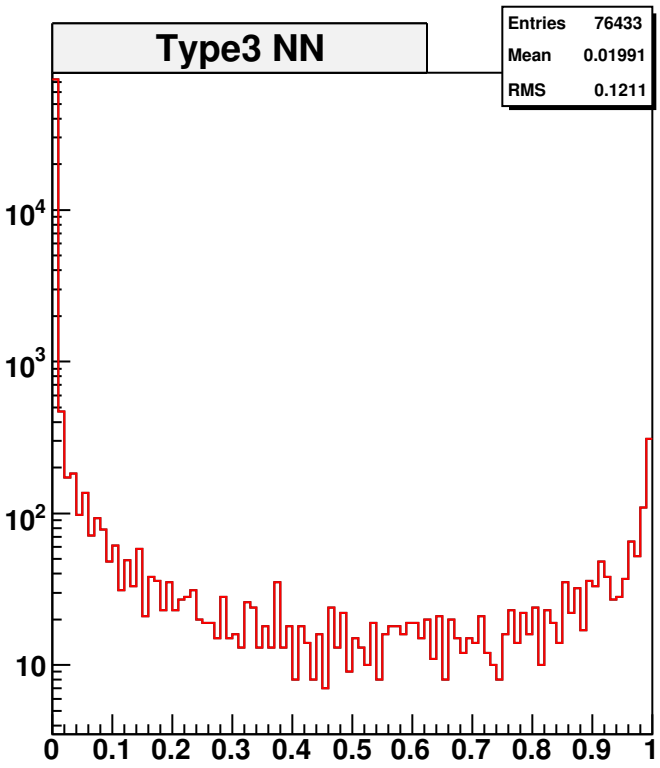


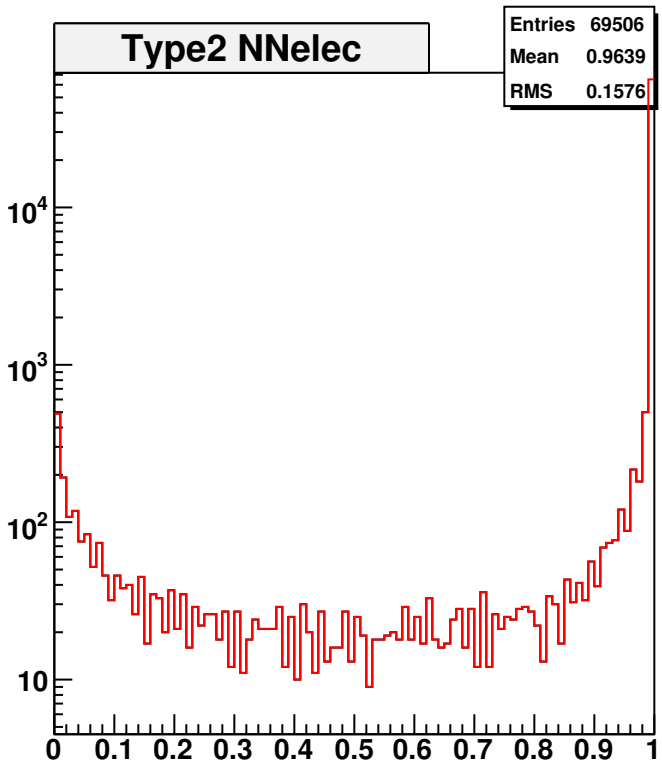


Muons (Unmatched)

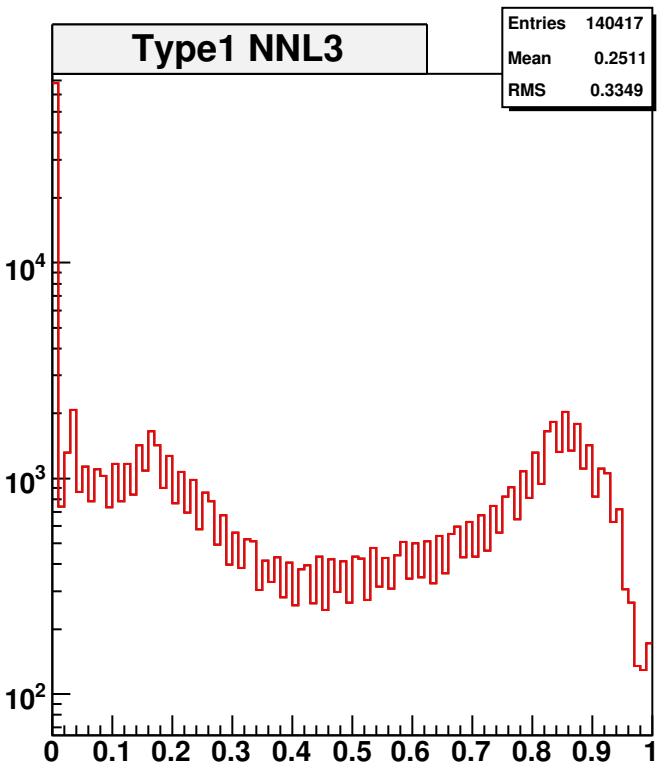


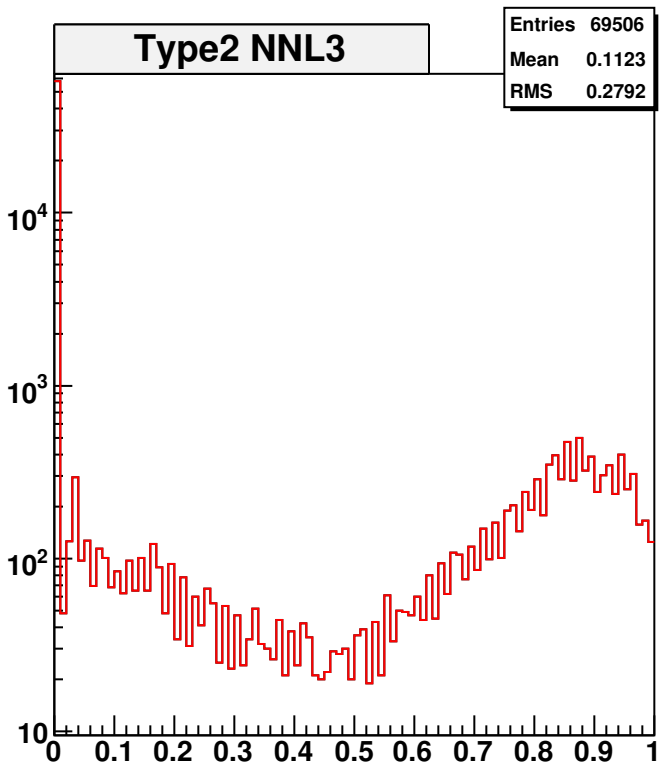


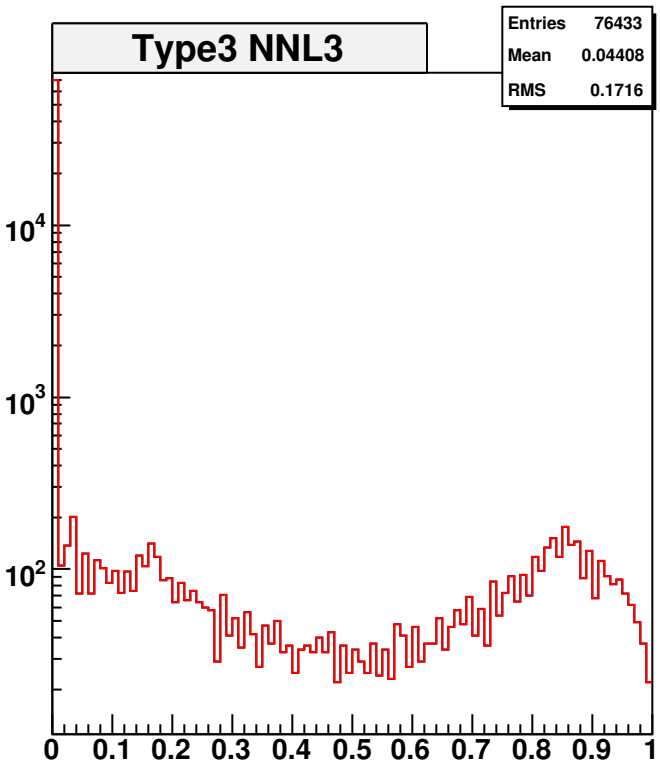


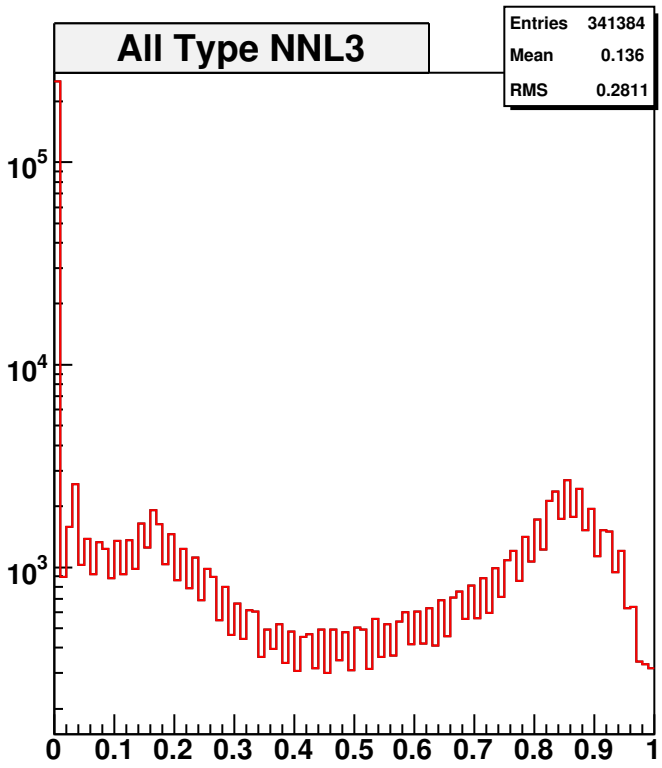


Taus NN (TAU All)

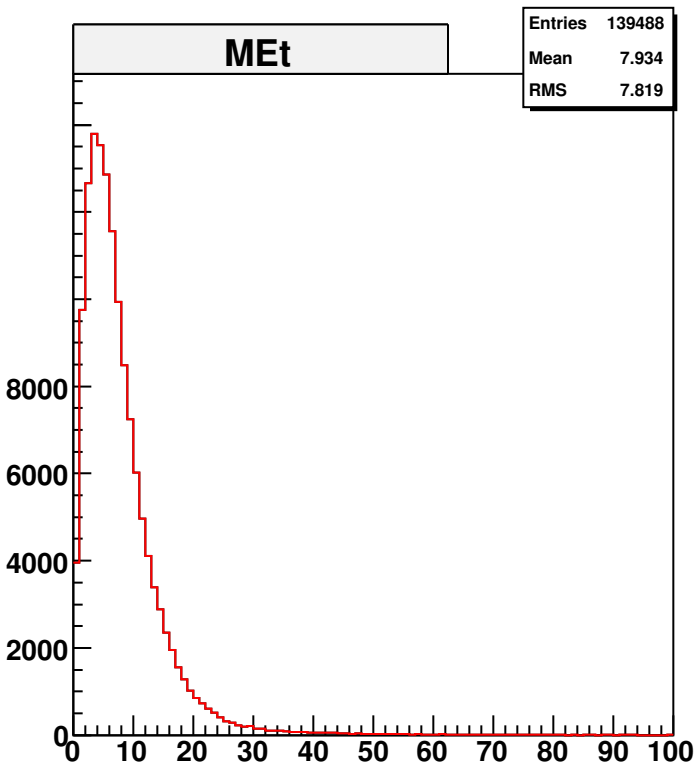


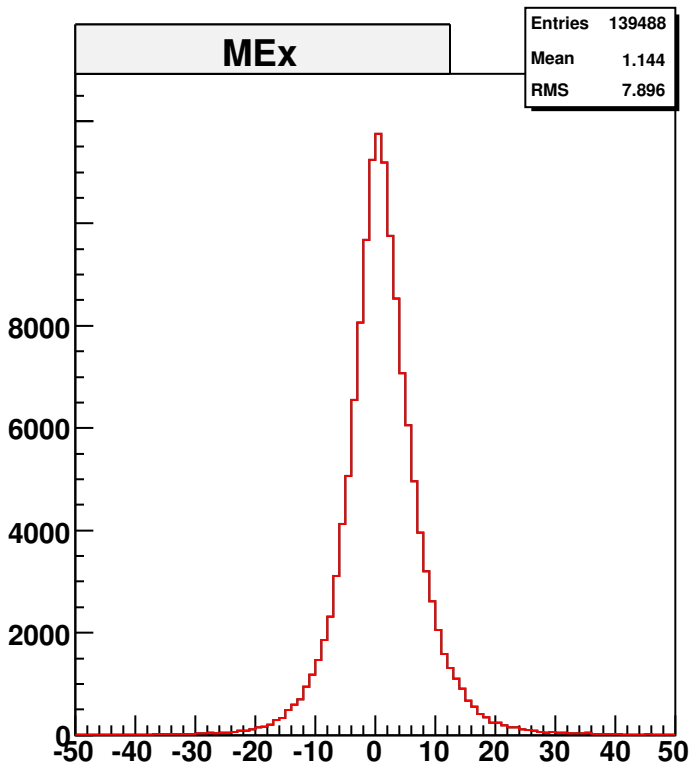


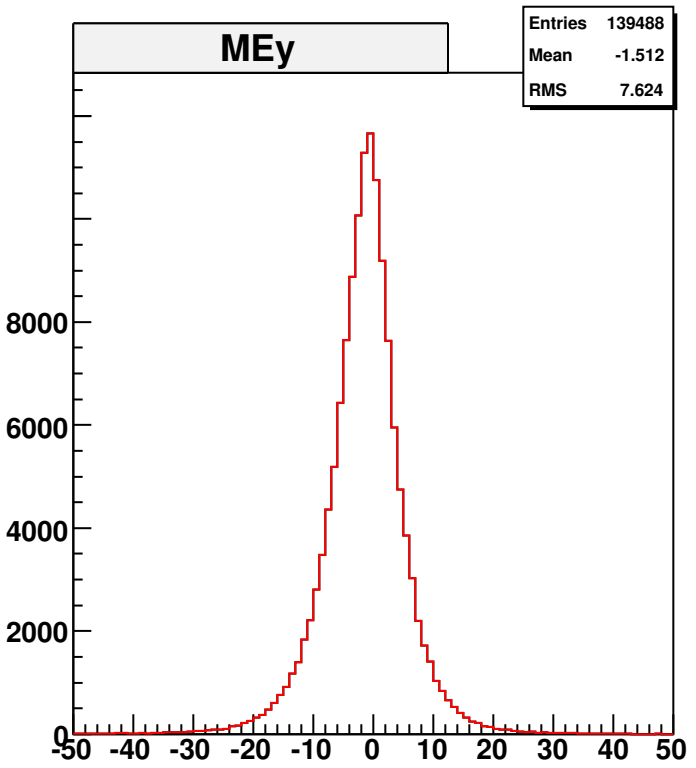




Taus NNL3 (TAU All)


MEt
Entries 139488
Mean 7.934
RMS 7.819
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 139488
Mean 1.144
RMS 7.896
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
Entries 139488
Mean -1.512
RMS 7.624
8000
6000
4000
2000
0
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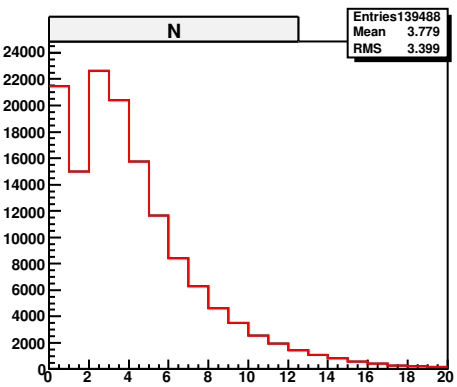
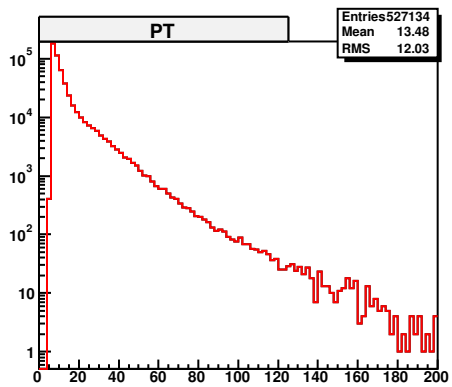
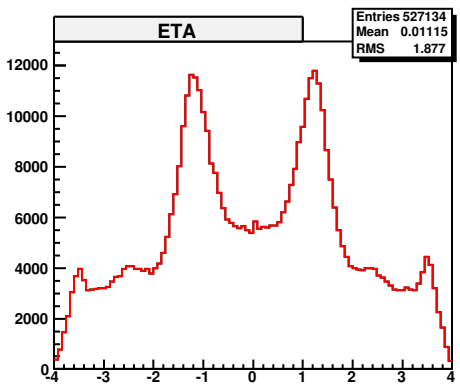
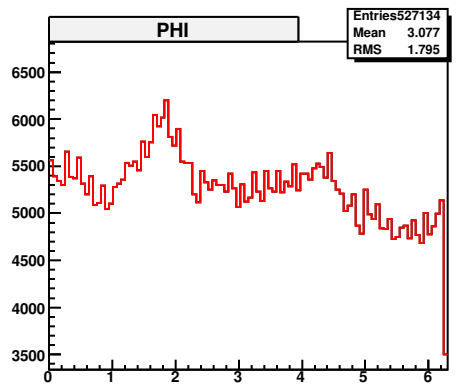
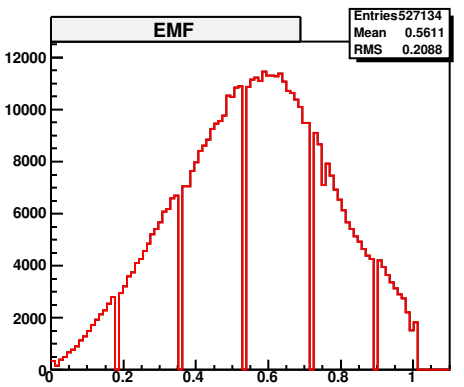
Met (No cuts)

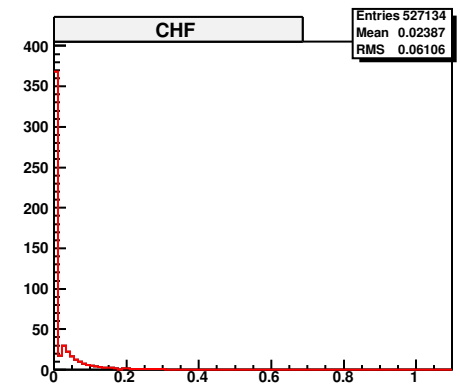


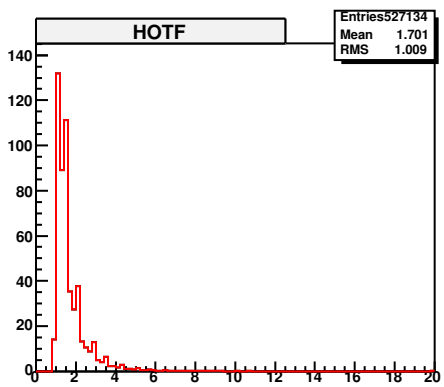


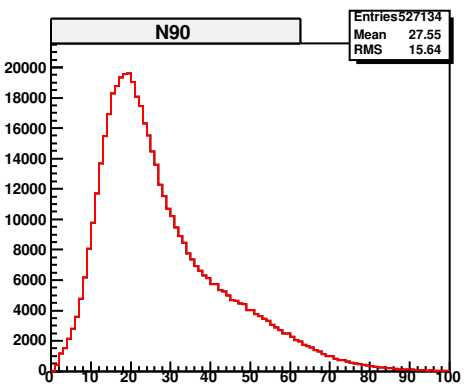


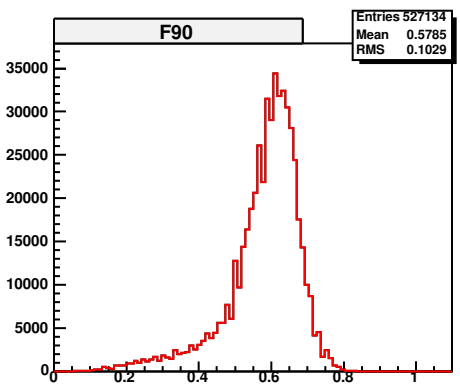


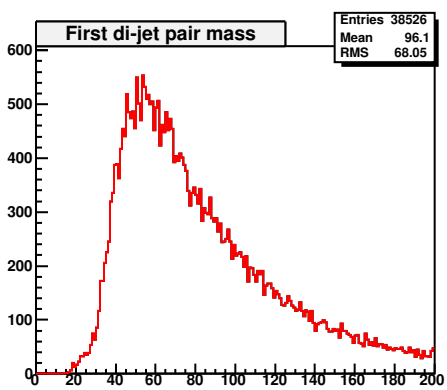


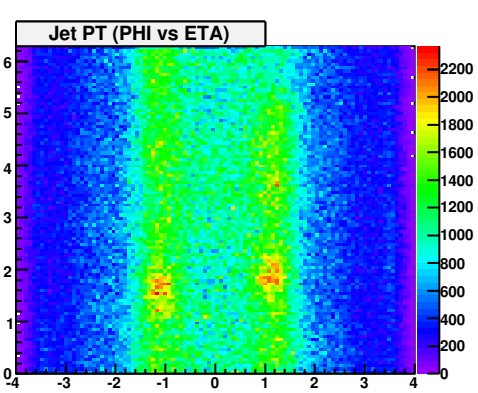




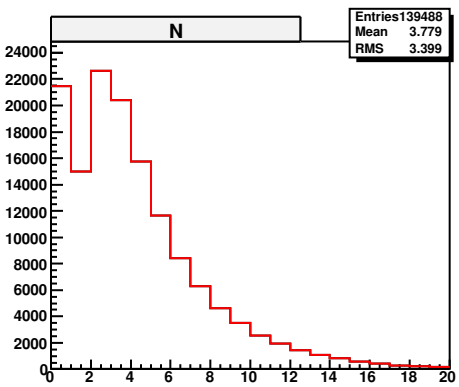


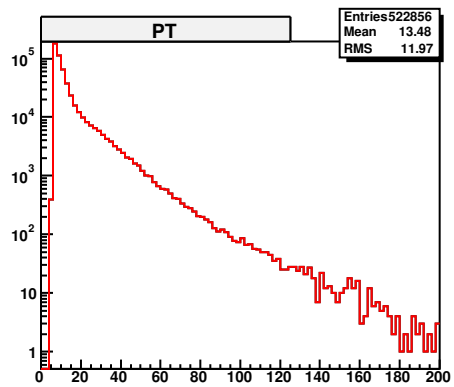


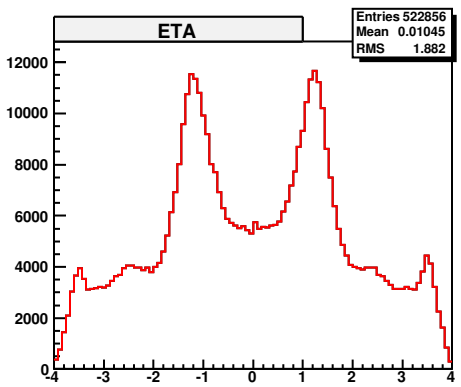


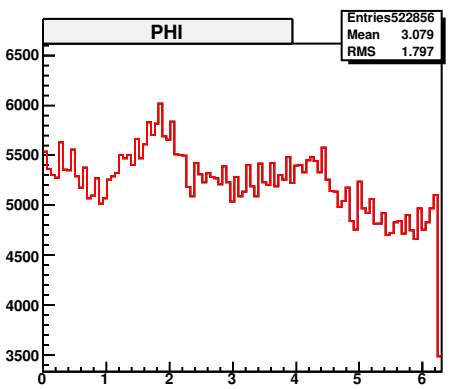


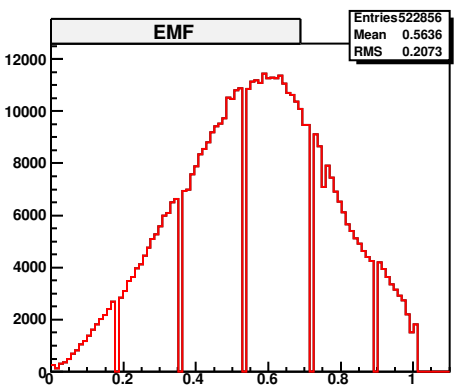
Jets (Cone R 0.7 (no cuts))

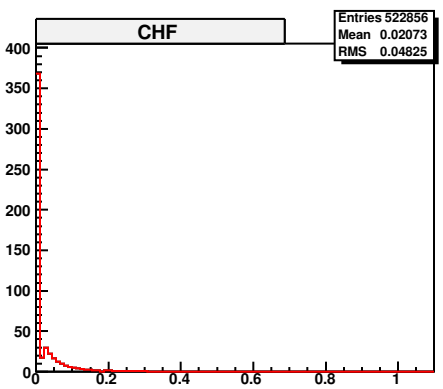


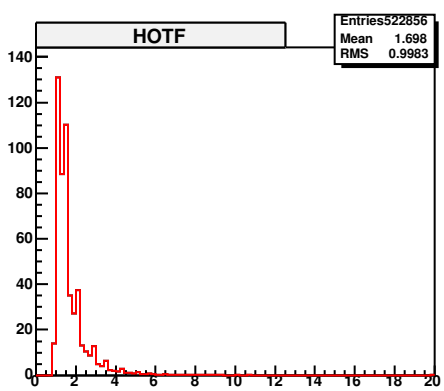


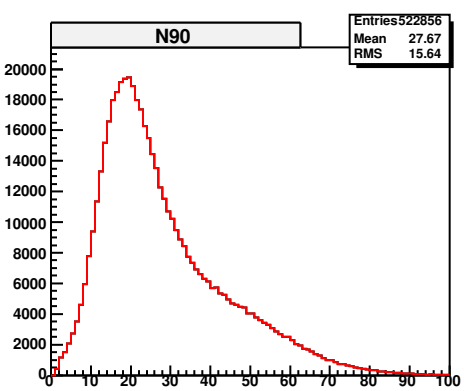


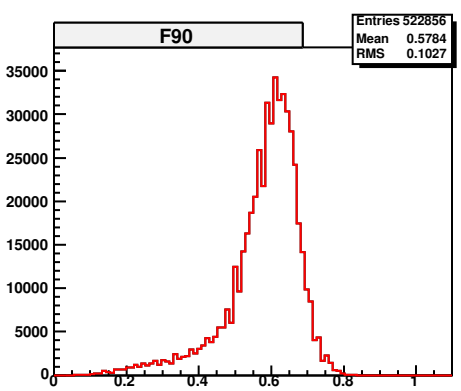


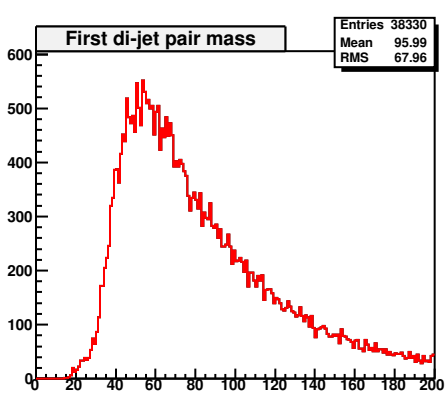


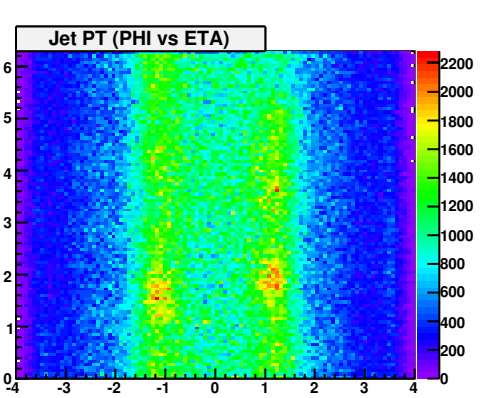




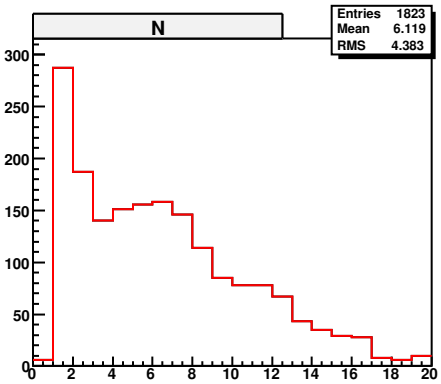


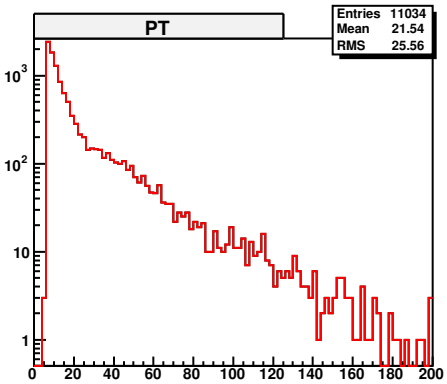


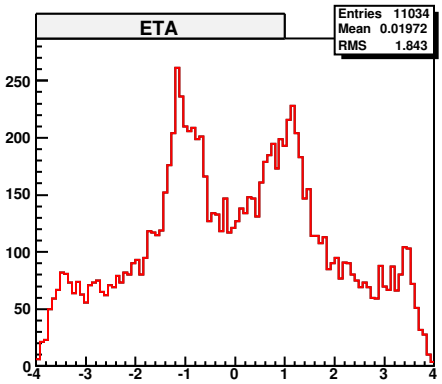


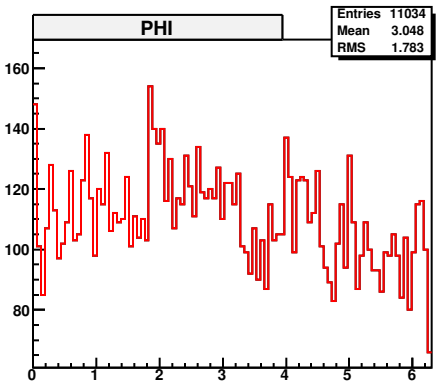


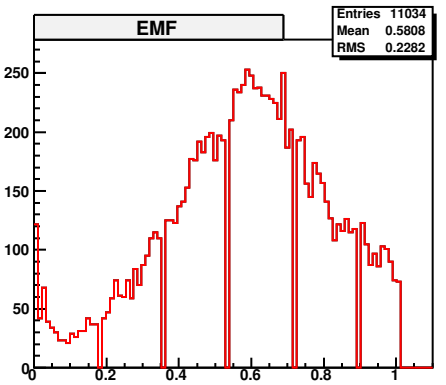
Jets (Cone R 0.7 (standard cuts))

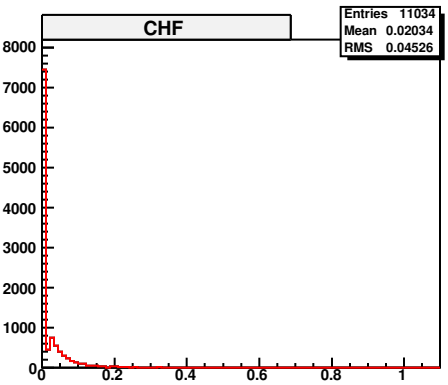


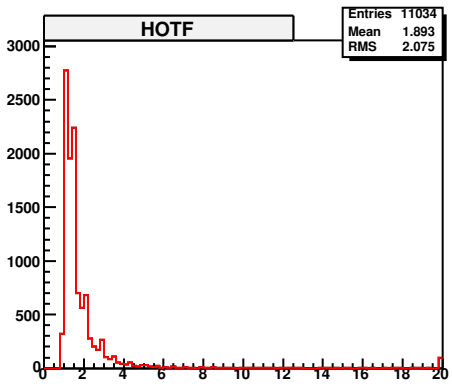


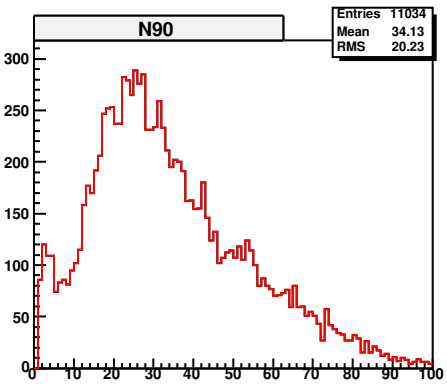


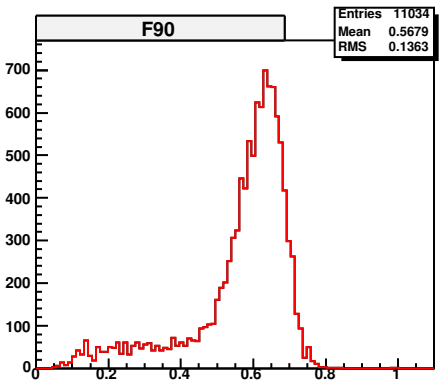


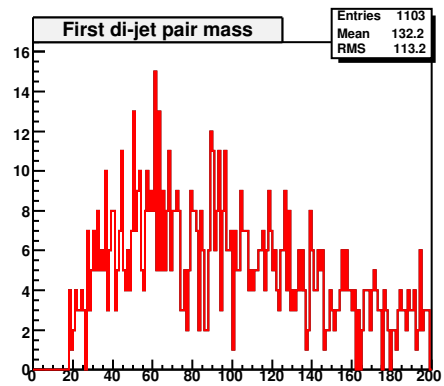


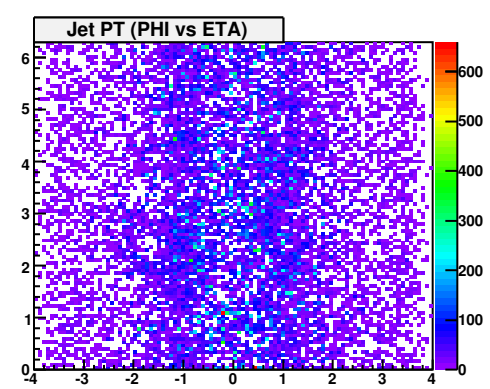




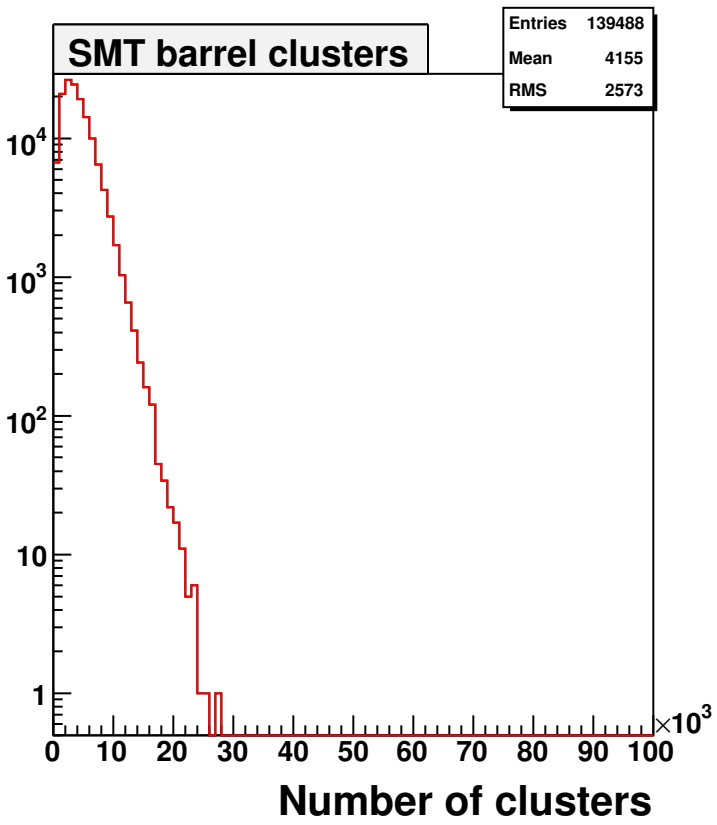


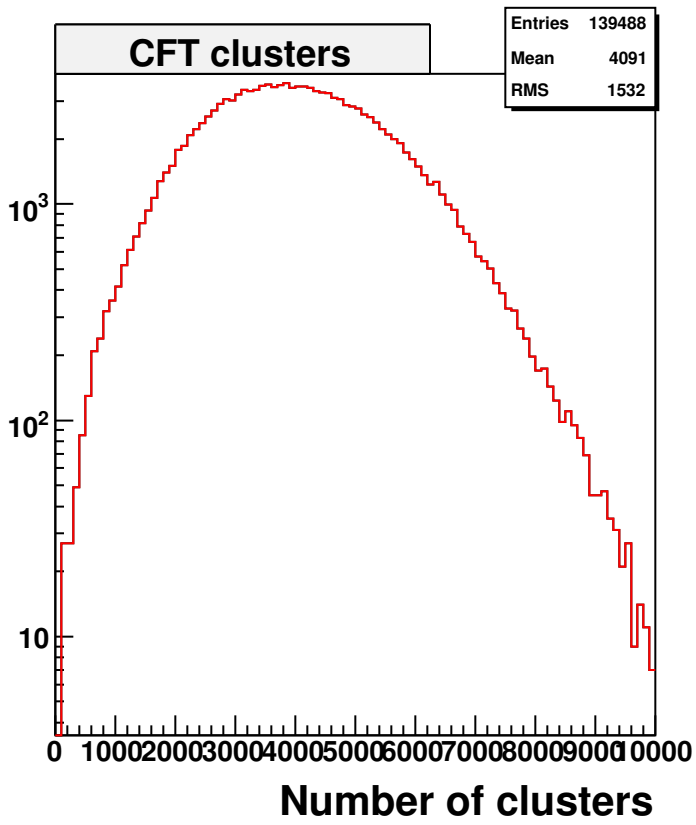


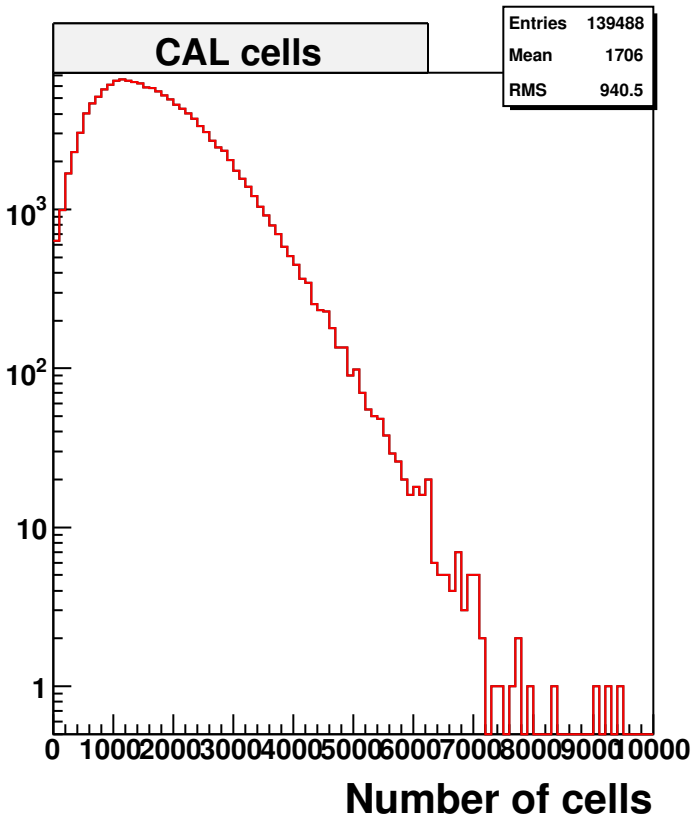


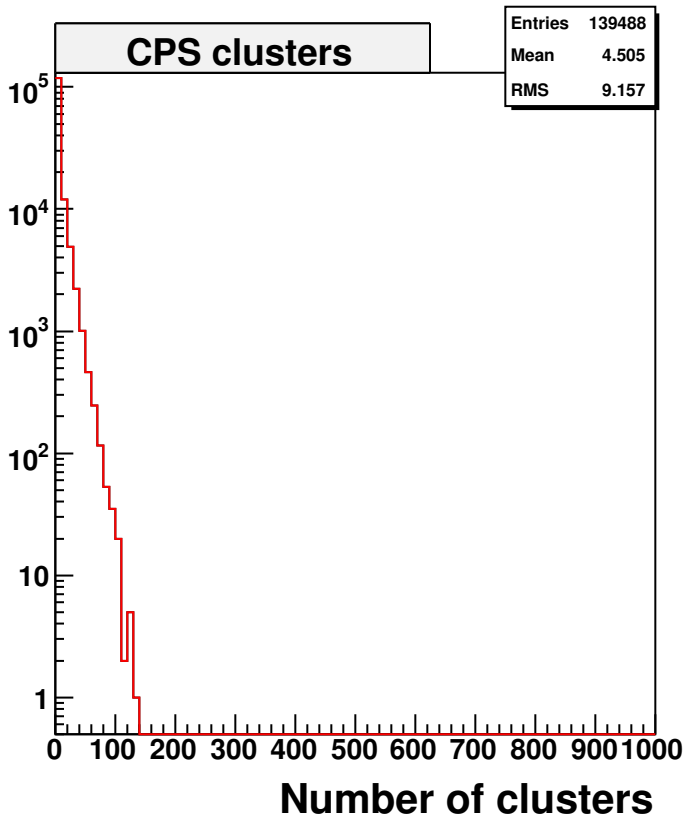


Jets (Cone R 0.7 (standard cuts, MET>30))

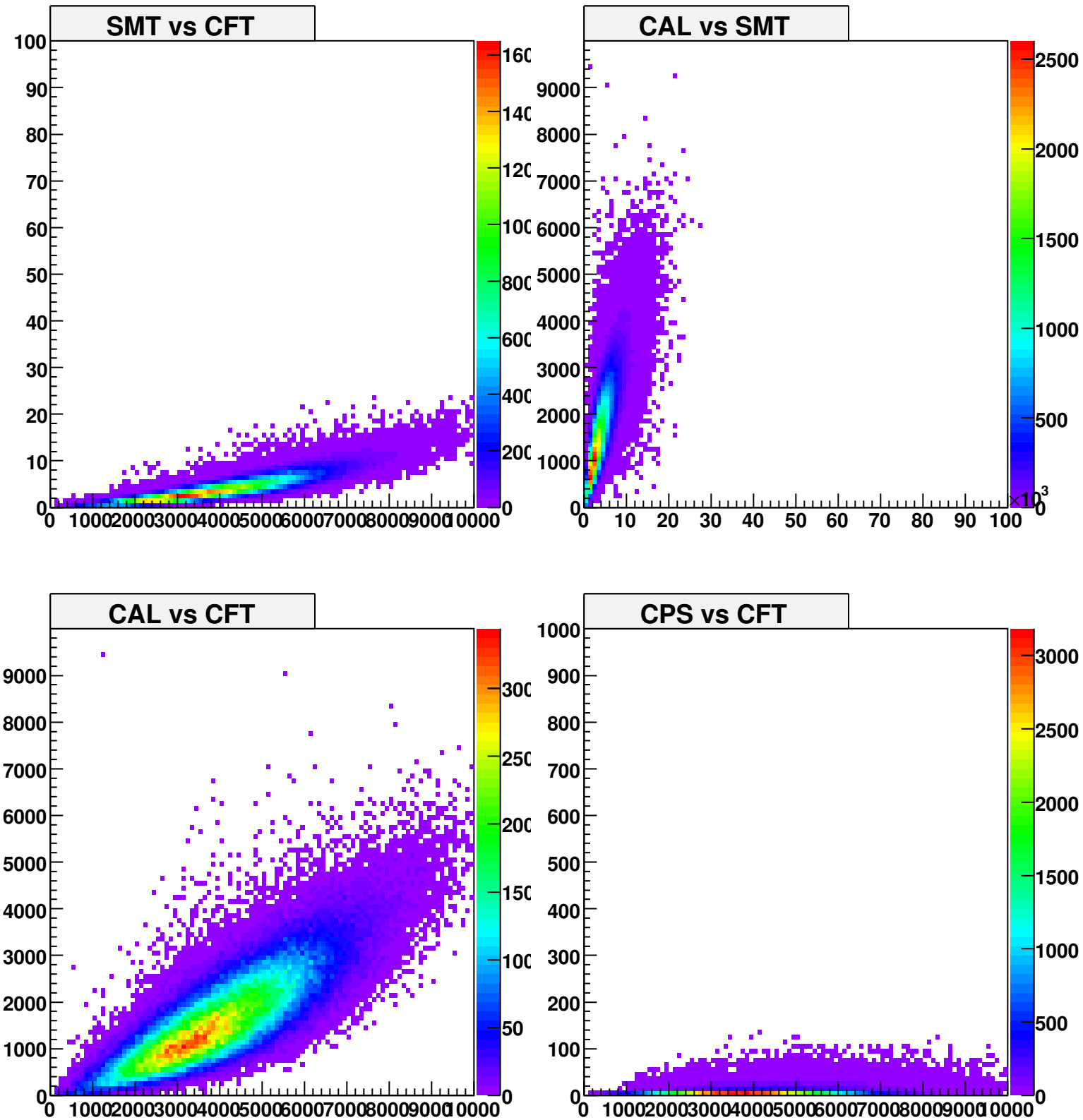




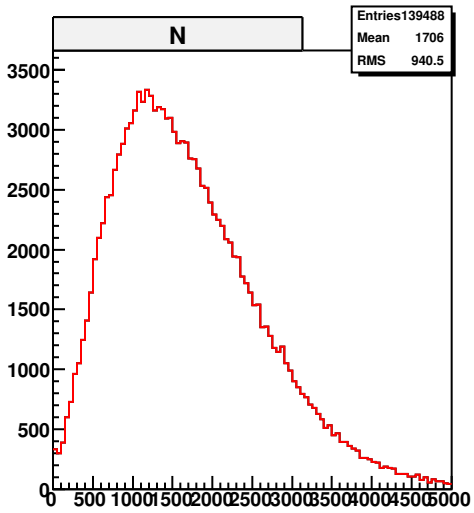


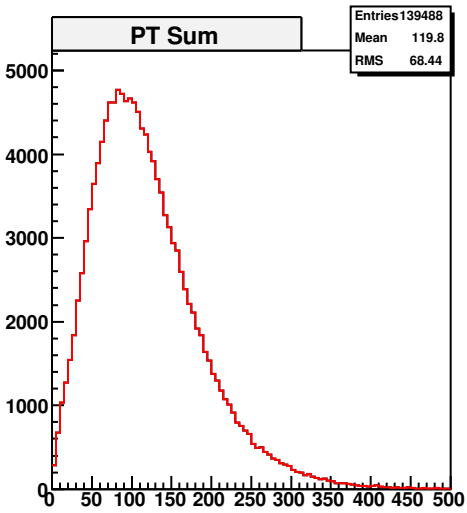


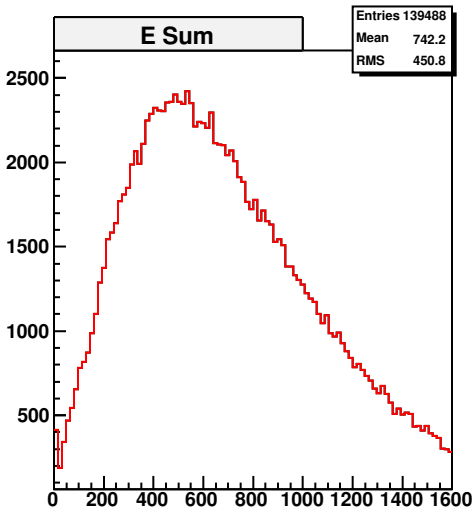
Detector Occupancy (Detector)

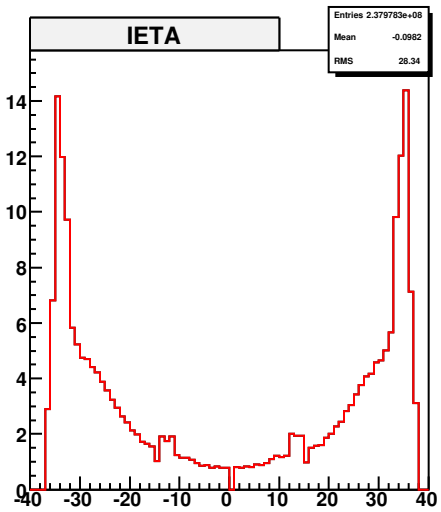


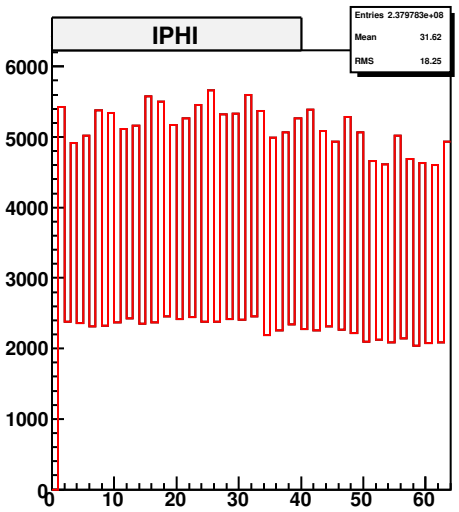
Detector Occupancy (Detector)

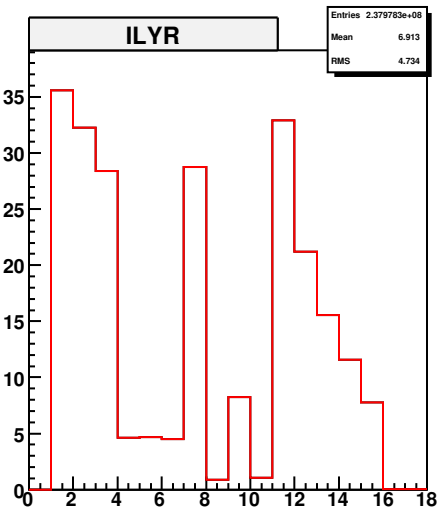


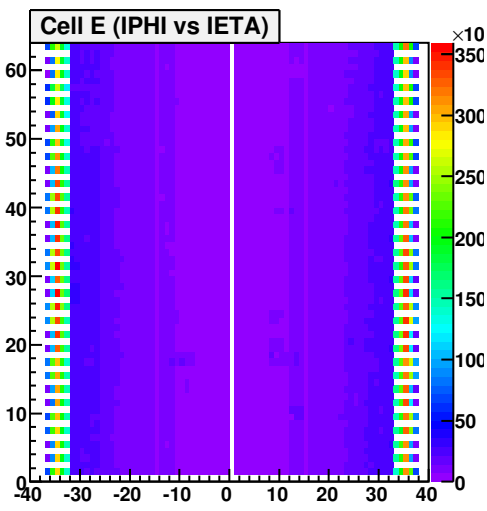


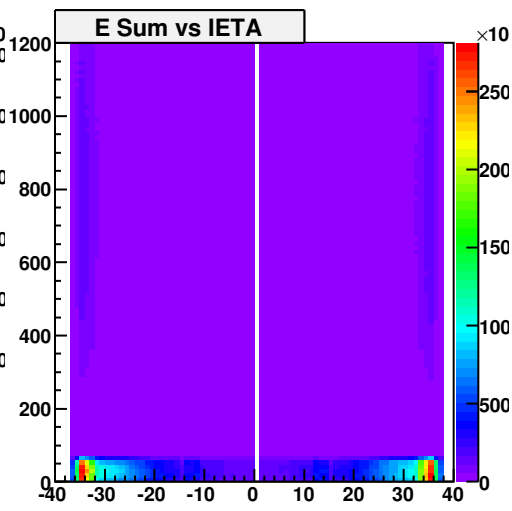


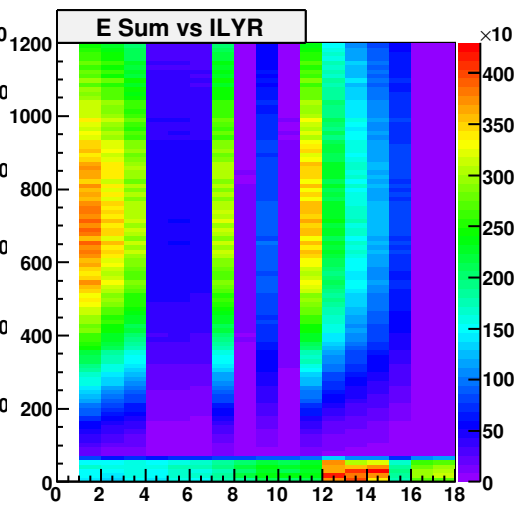




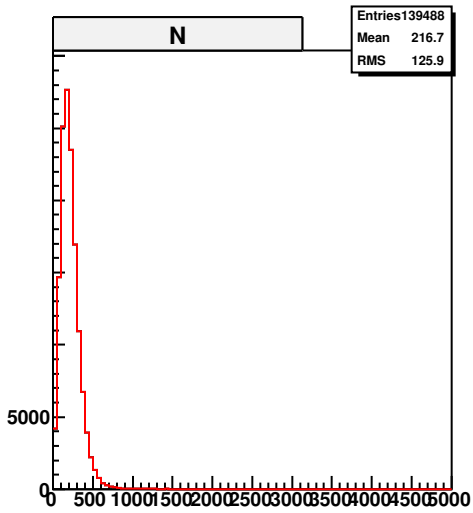


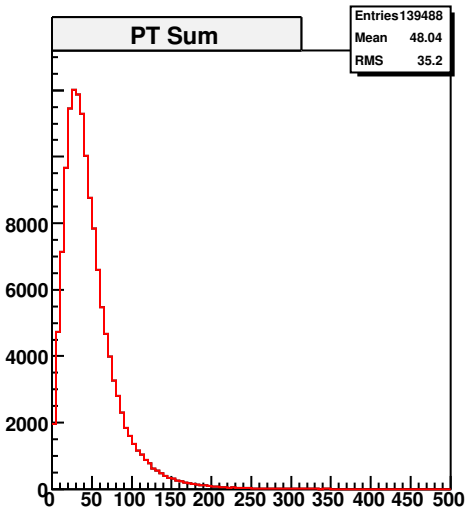


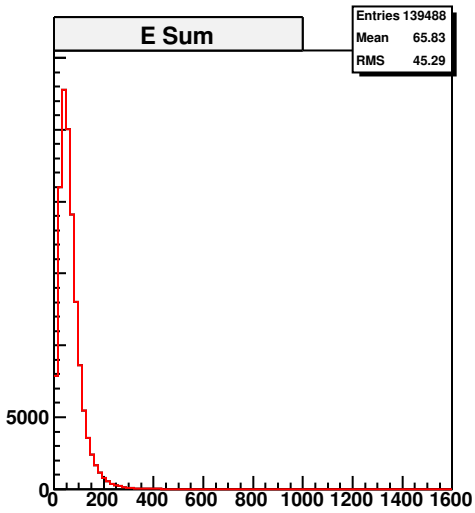


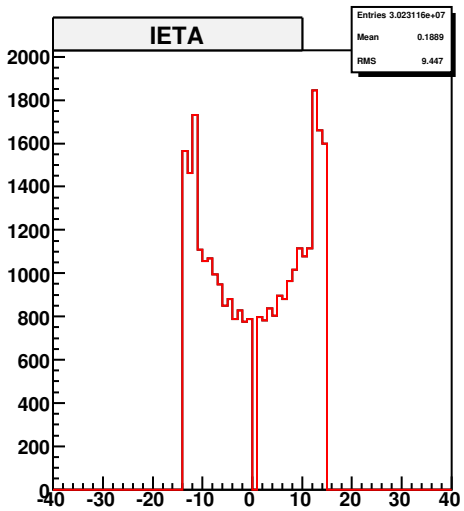


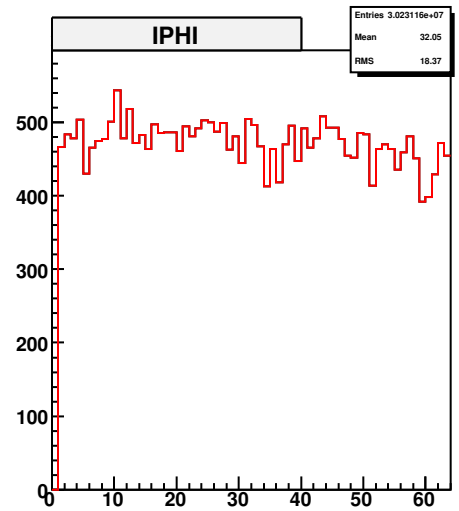
Calorimeter (All cells)

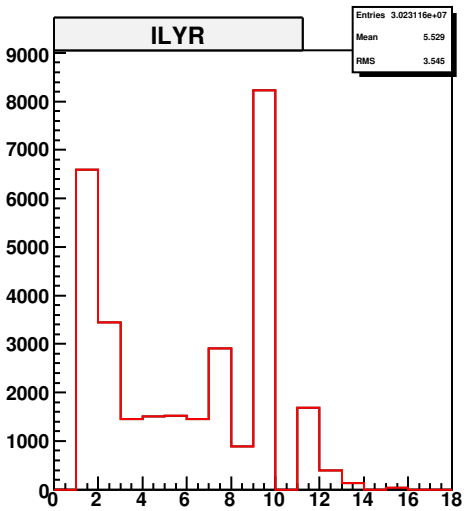


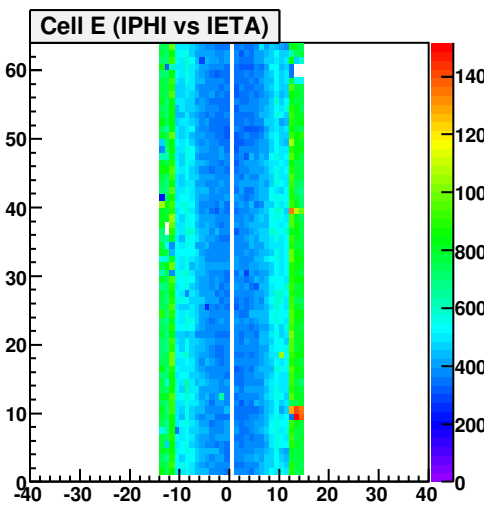


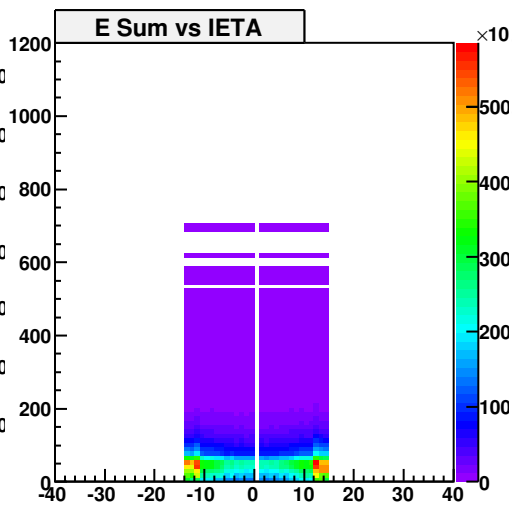


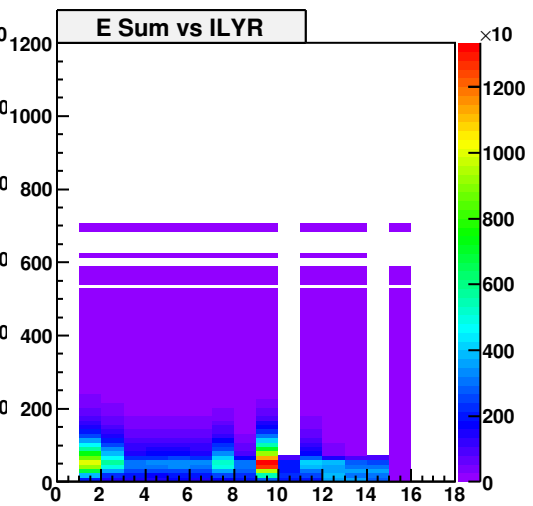




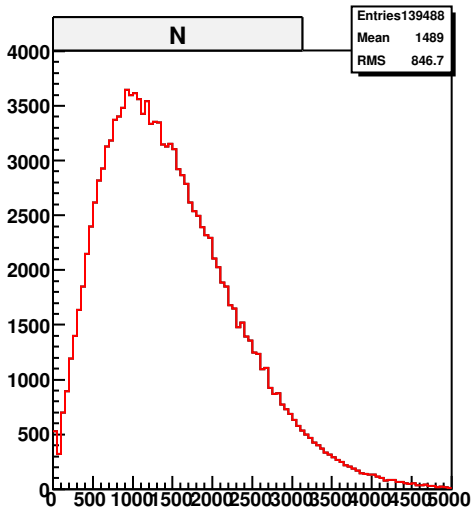


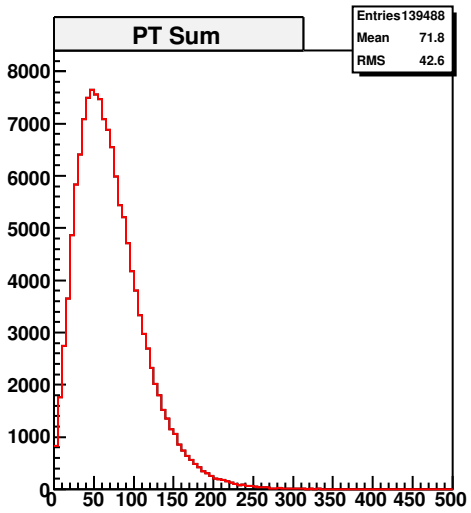


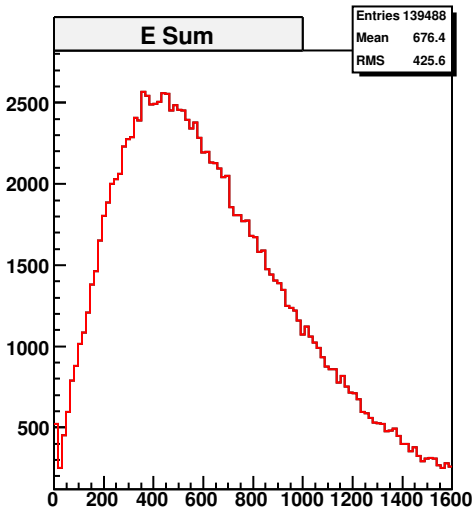


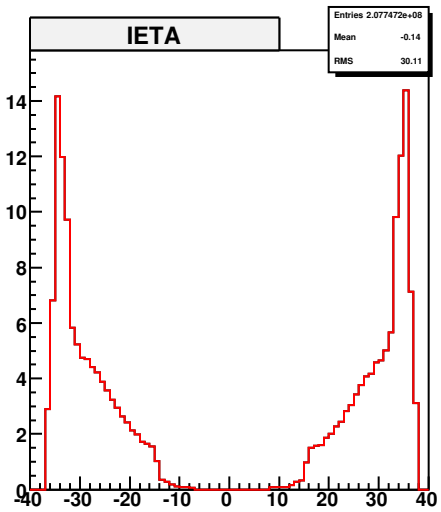


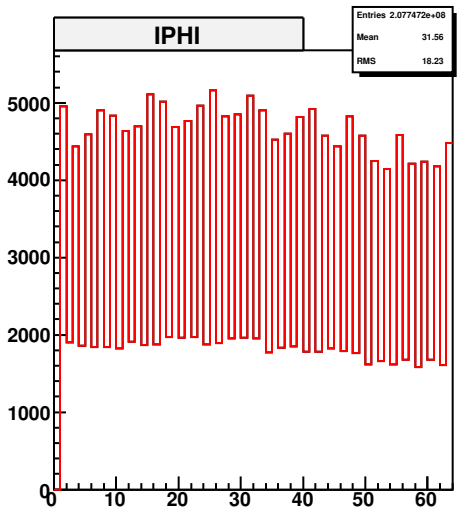
Calorimeter (All CC cells)

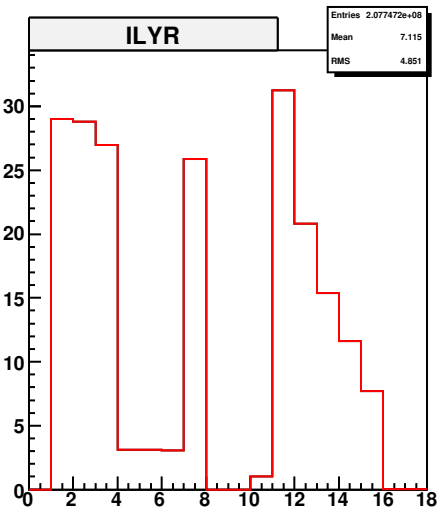


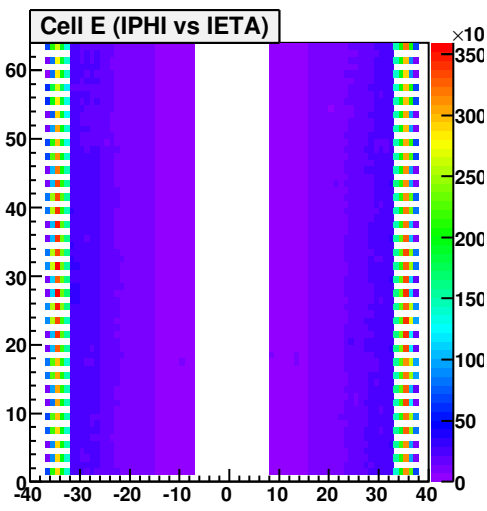


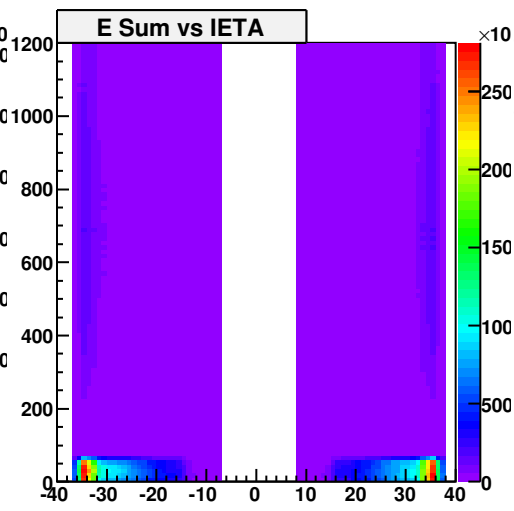


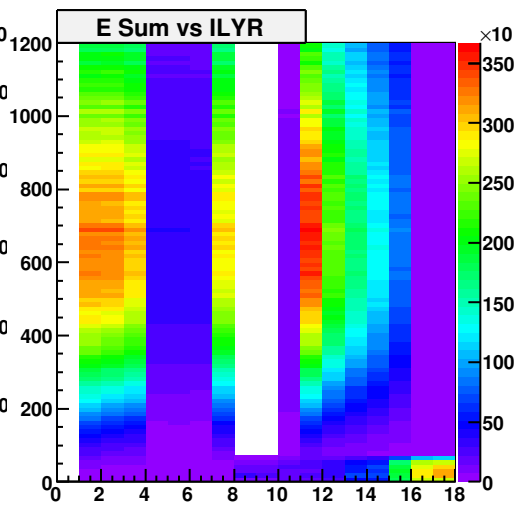




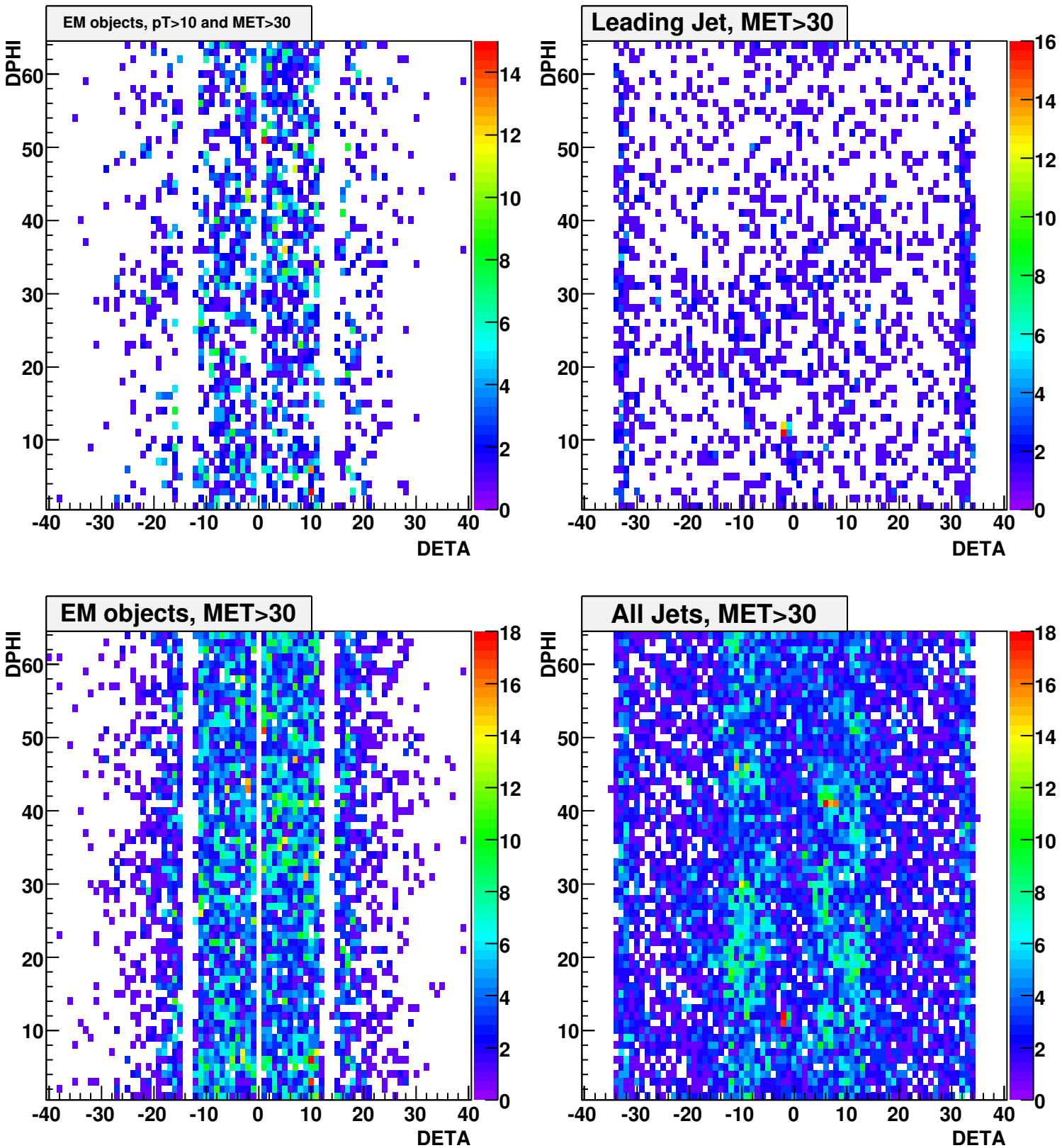




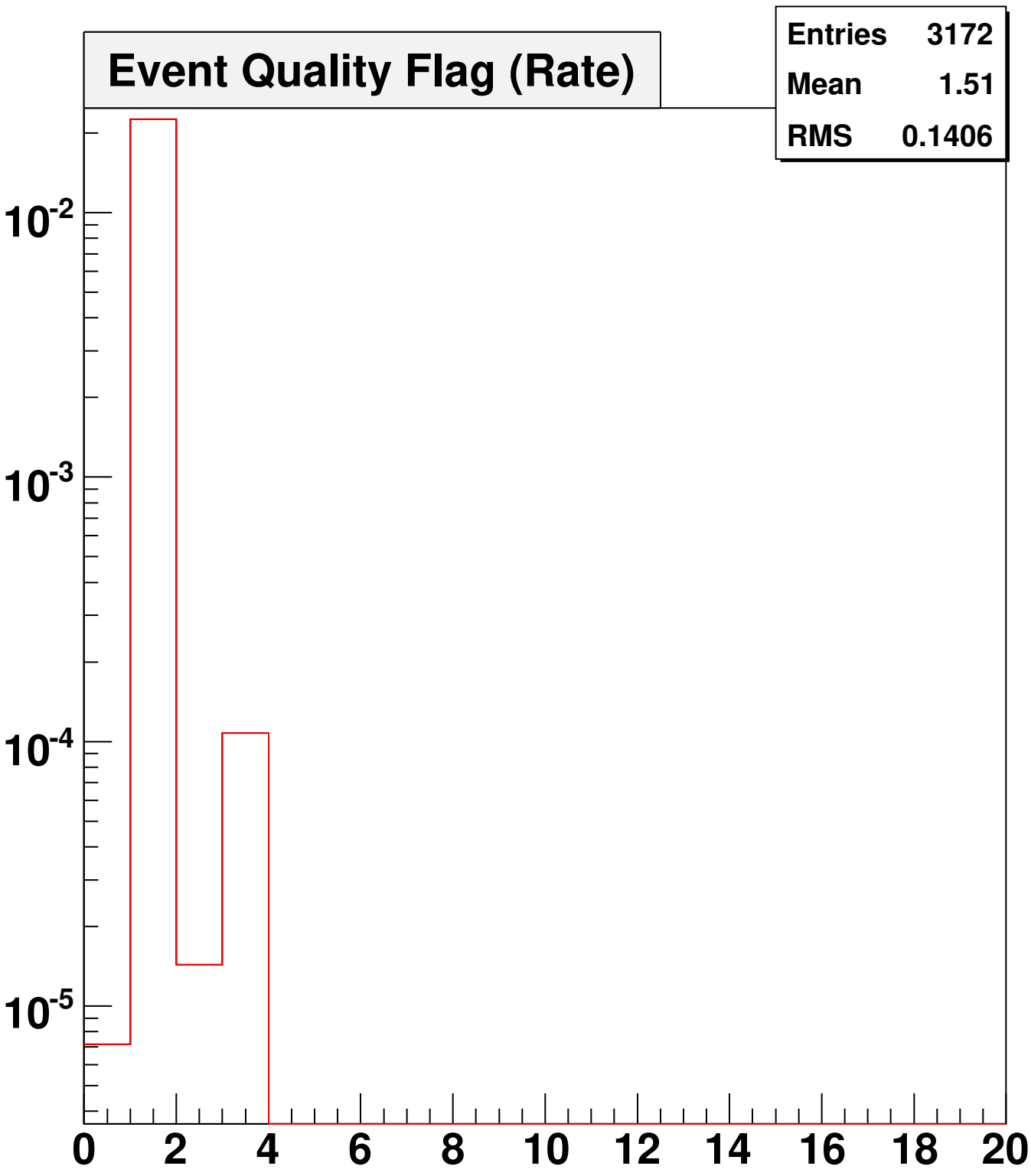


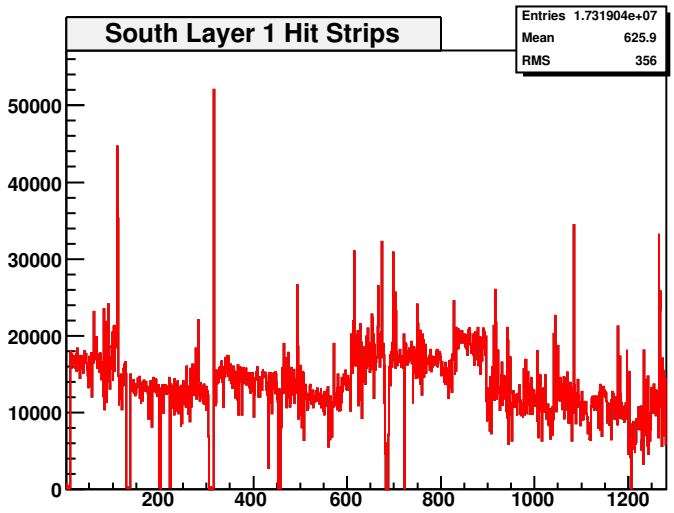


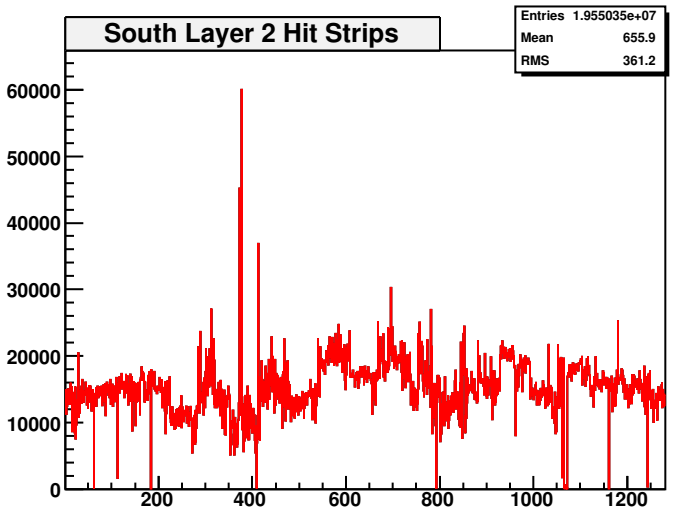
Calorimeter (All EC cells)

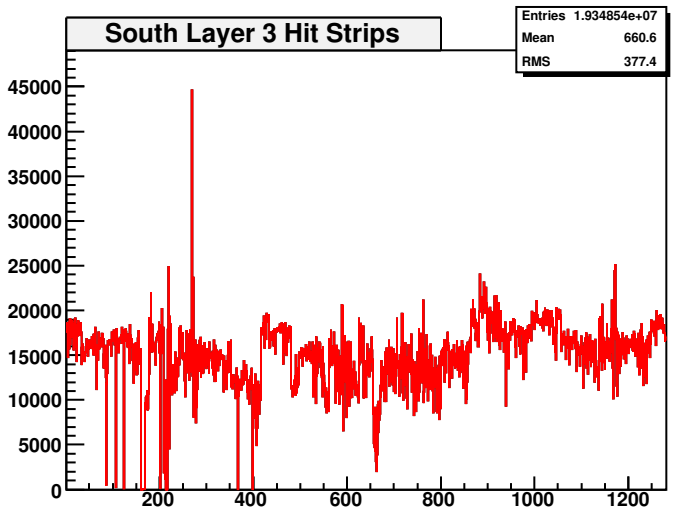


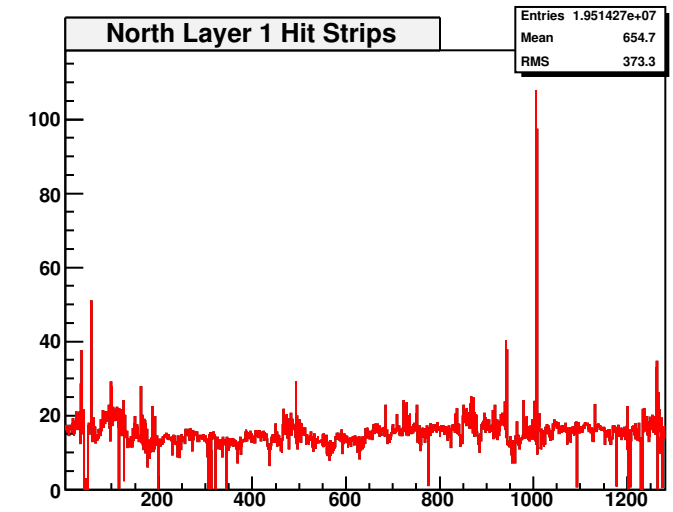
Cal Objects with MET>30 (All cells)

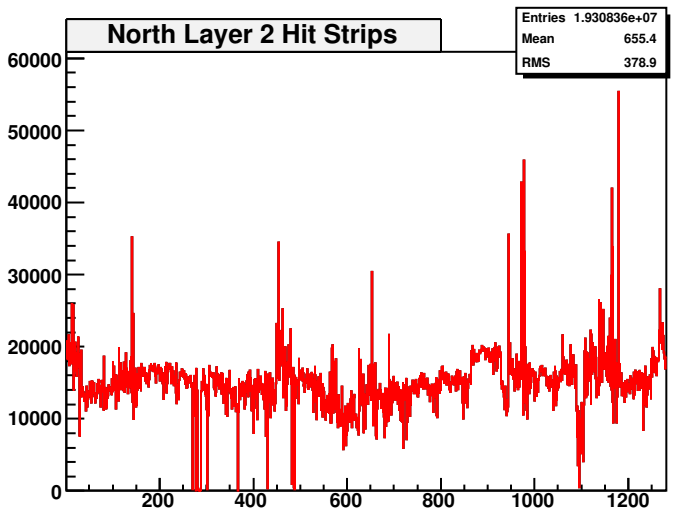

Event Quality Flag (Rate)
Entries 3172
Mean 1.51
RMS 0.1406
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

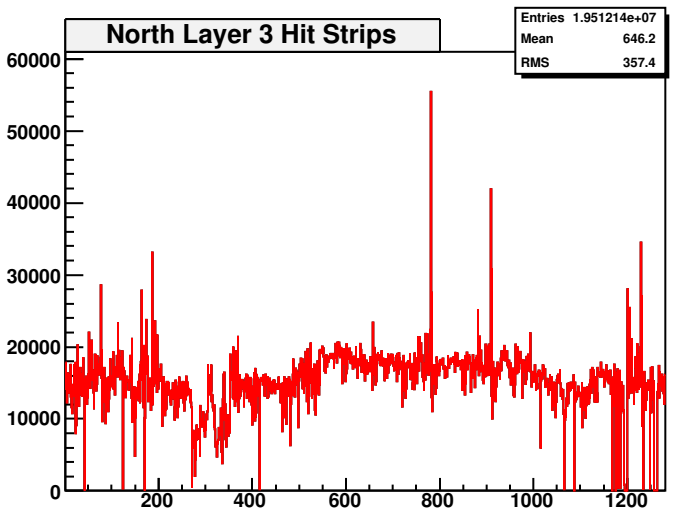




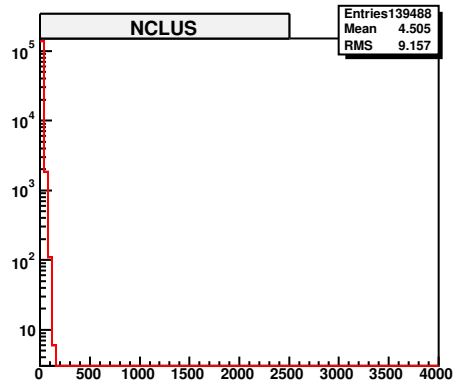


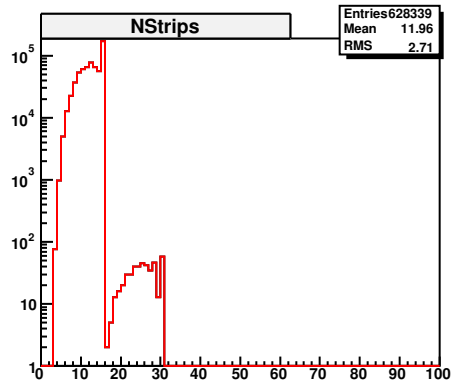


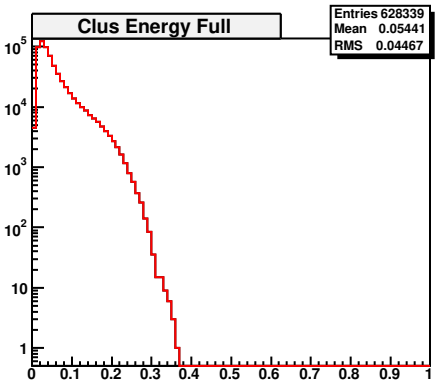


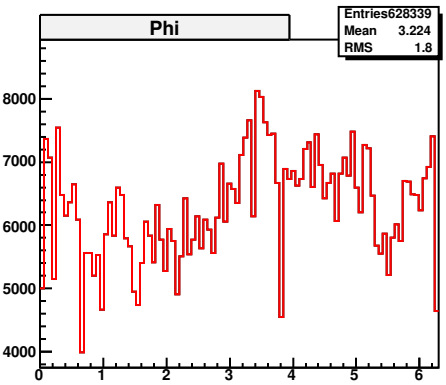


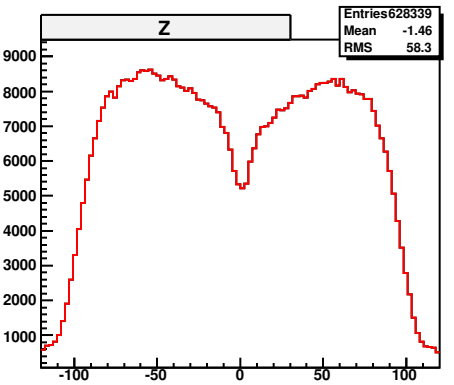
CPS Hit Strips (All Clusters)

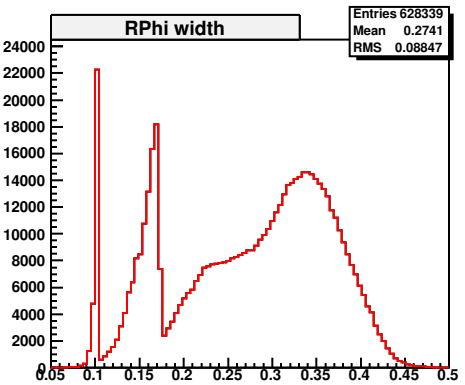


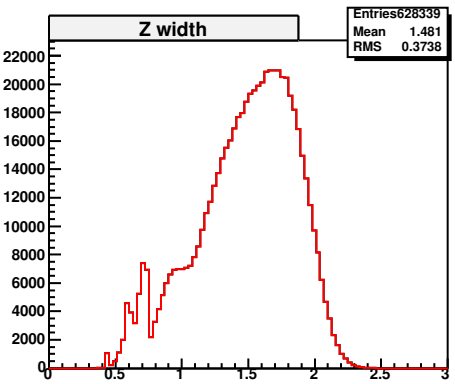


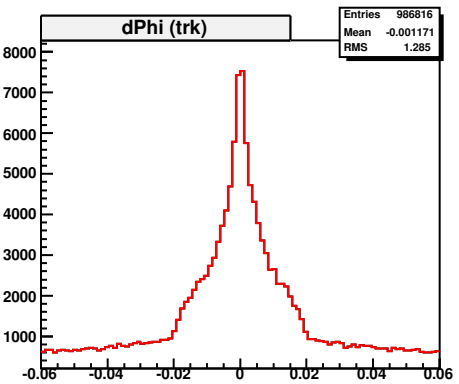


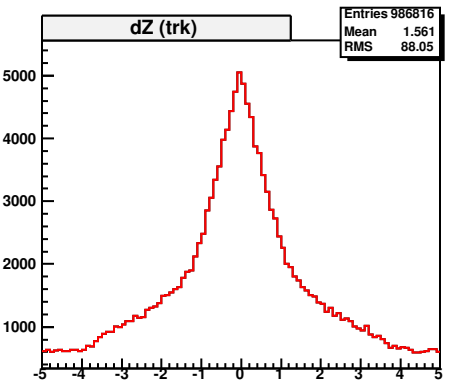


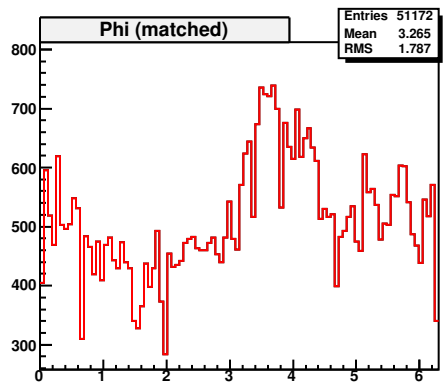


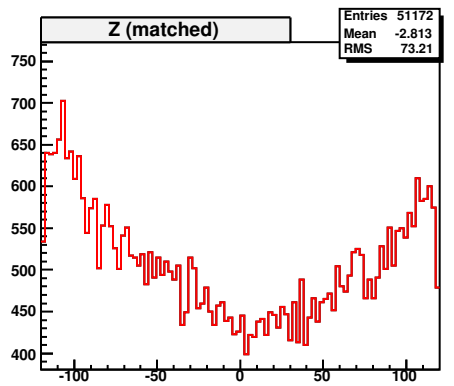




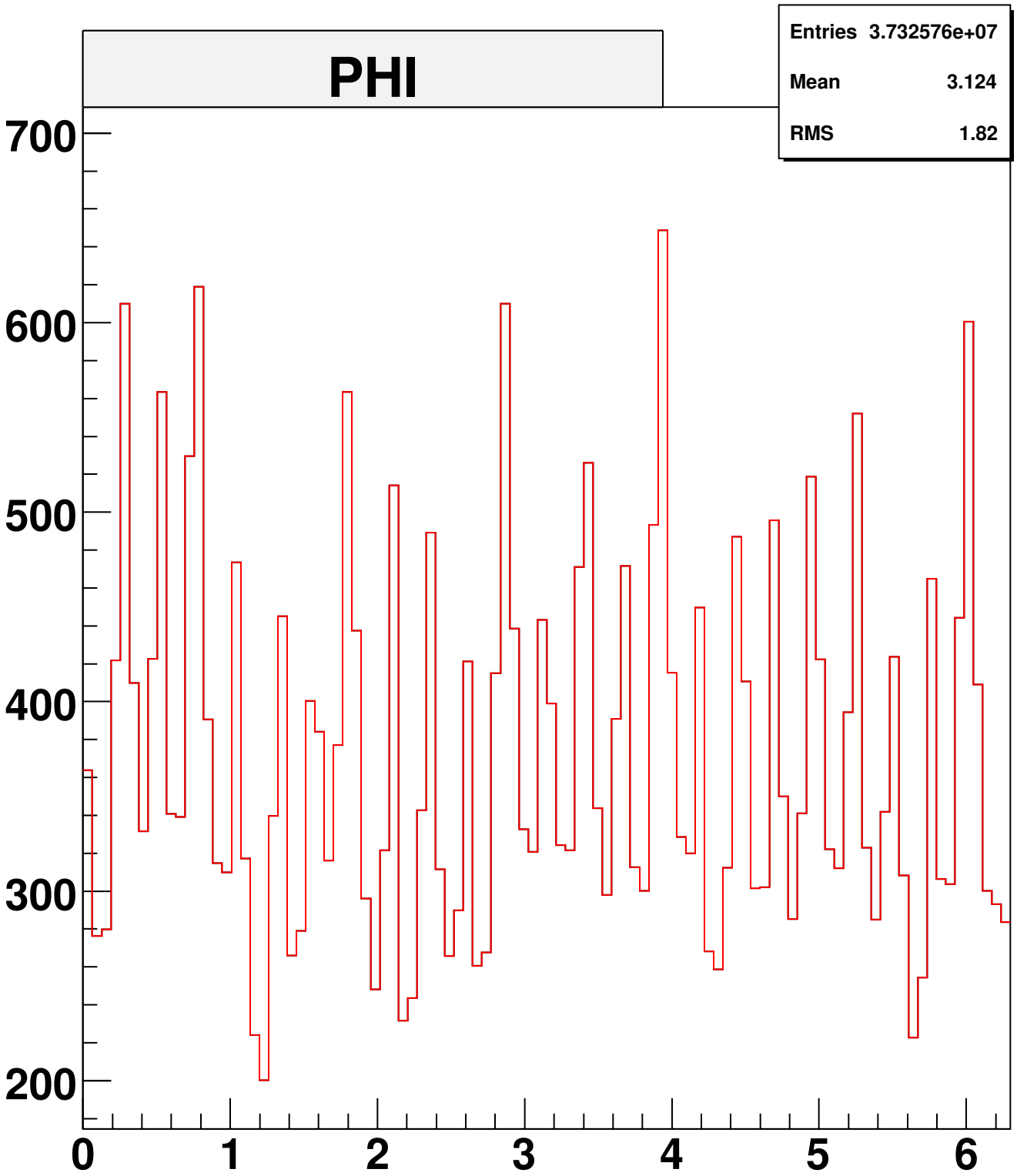








CPS Clusters (All Clusters)


PHI
Entries 3.732576e+07
Mean 3.124
RMS 1.82
700
600
500
400
300
200
0
1
2
3
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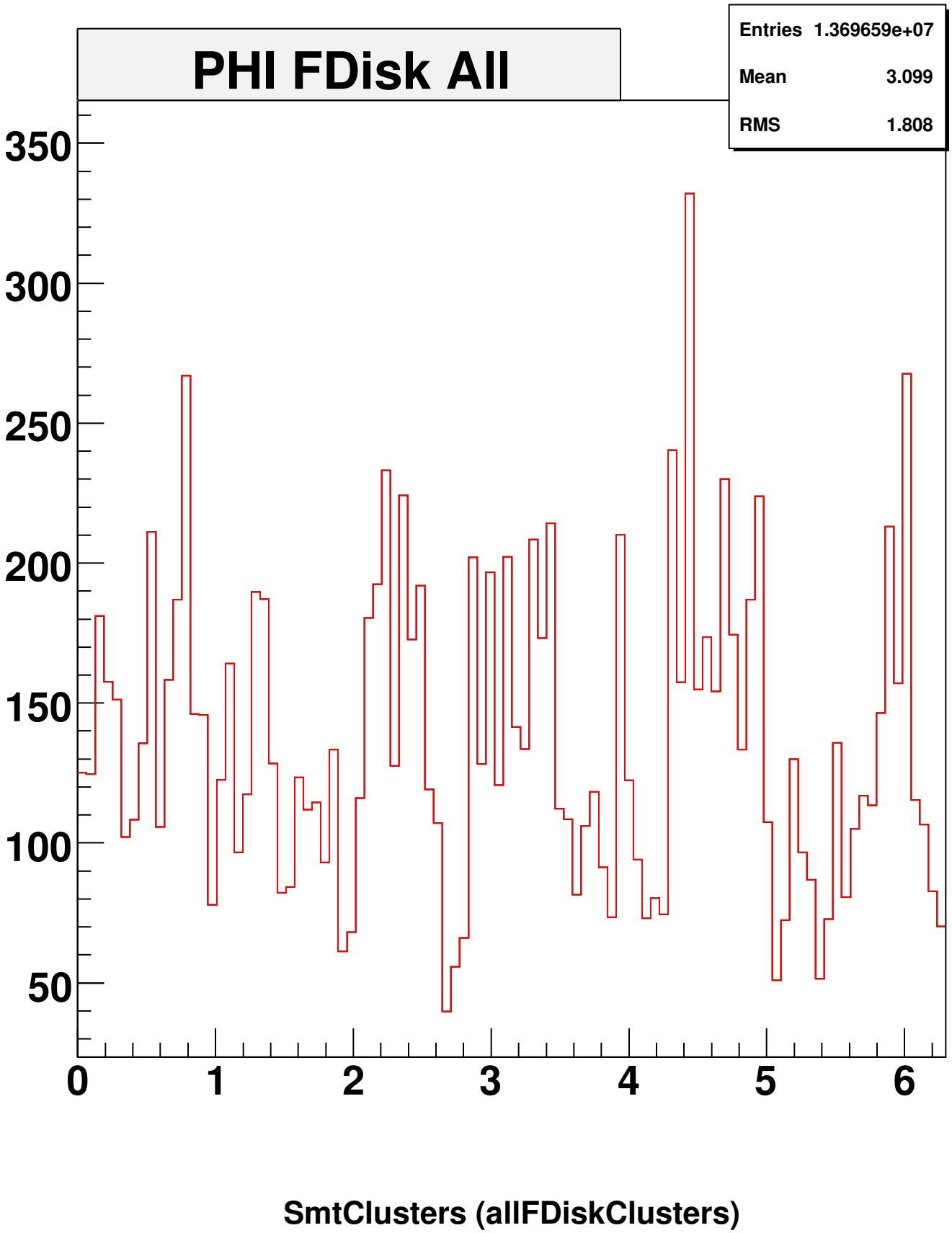
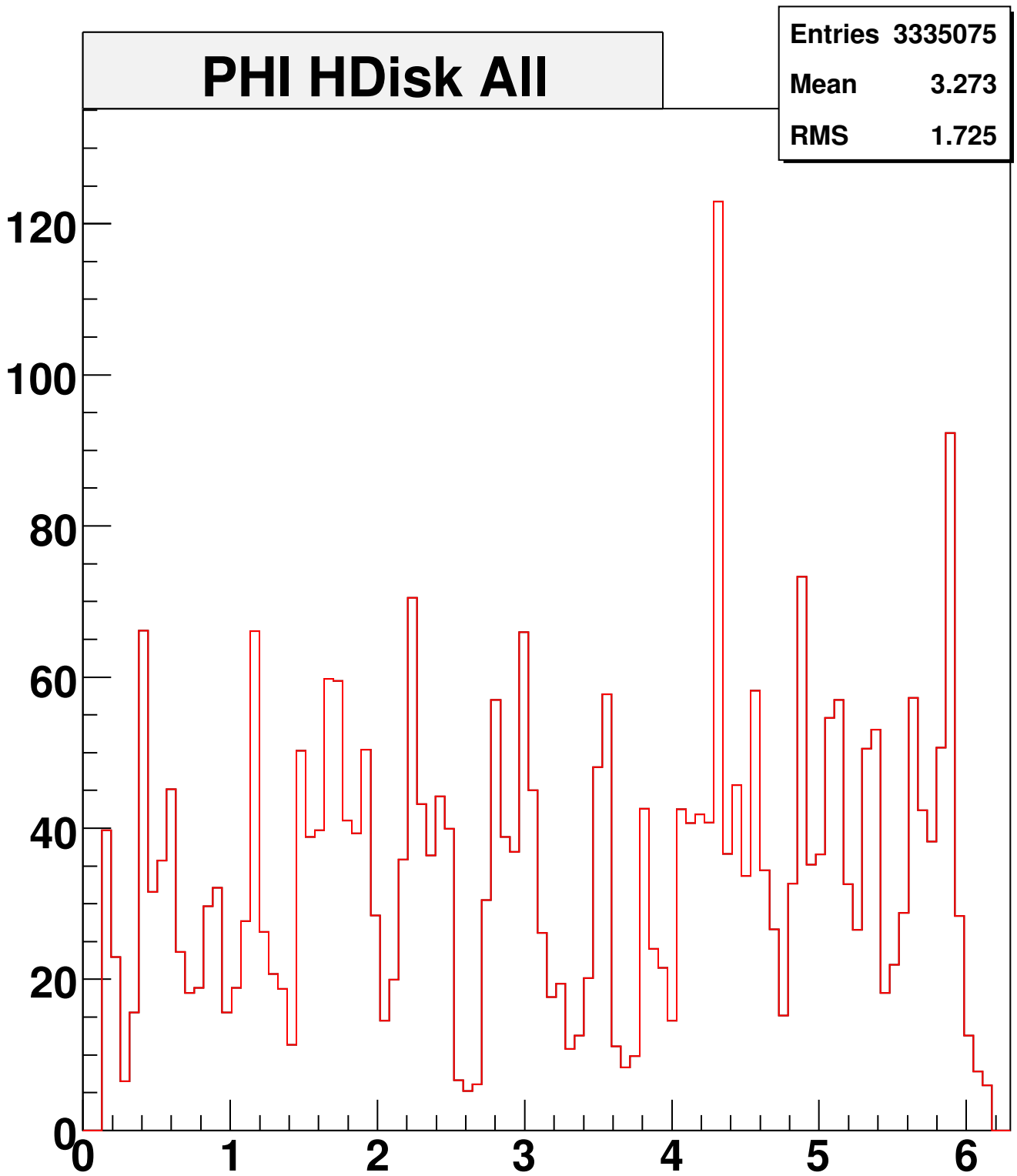
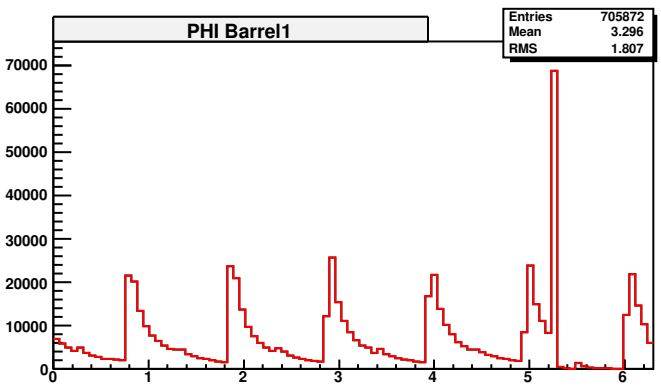
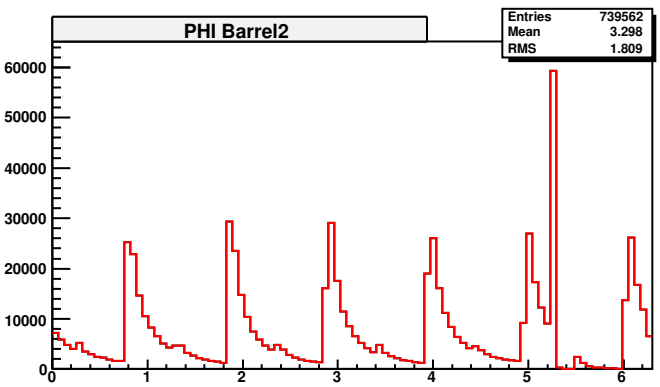
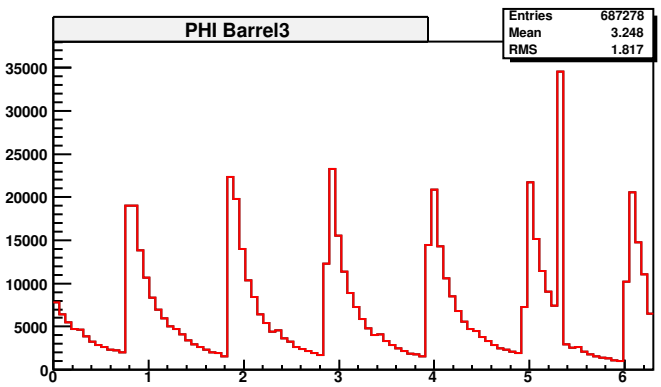
5
6
SmtClusters (allBarClusters)

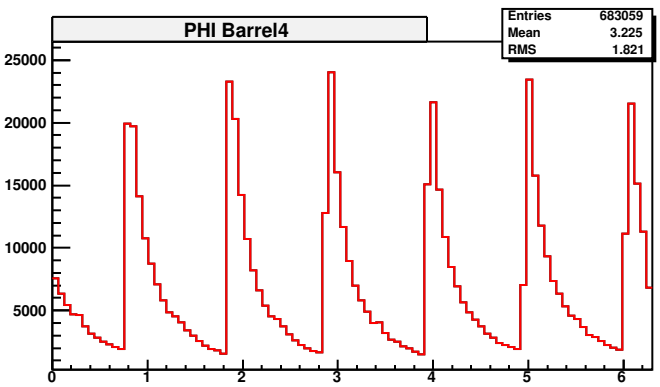

PHI FDisk All
Entries 1.369659e+07
Mean 3.099
RMS 1.808
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

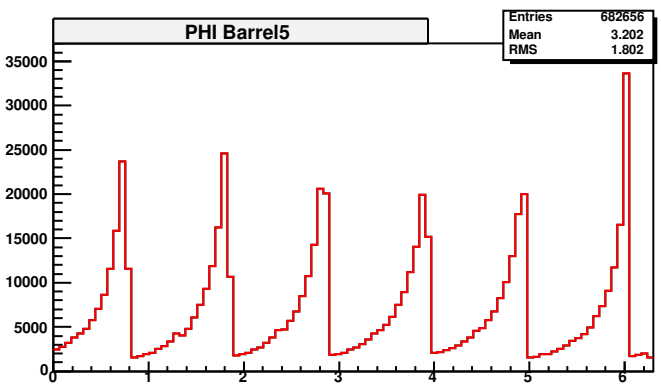

PHI HDisk All
Entries 3335075
Mean 3.273
RMS 1.725
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

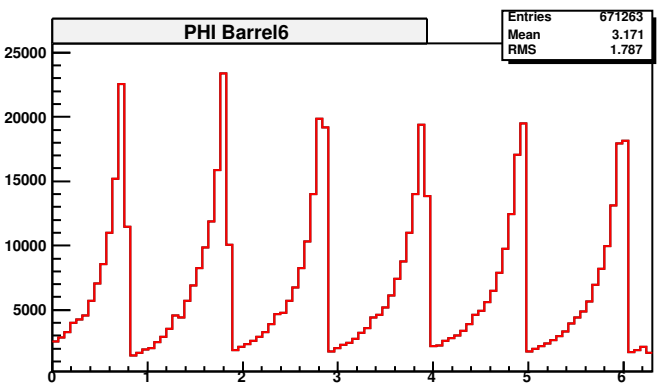


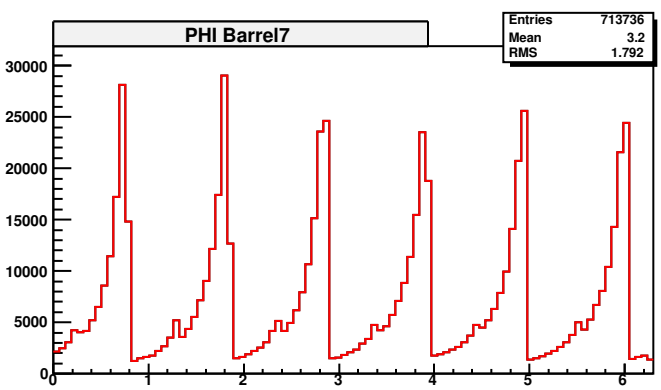


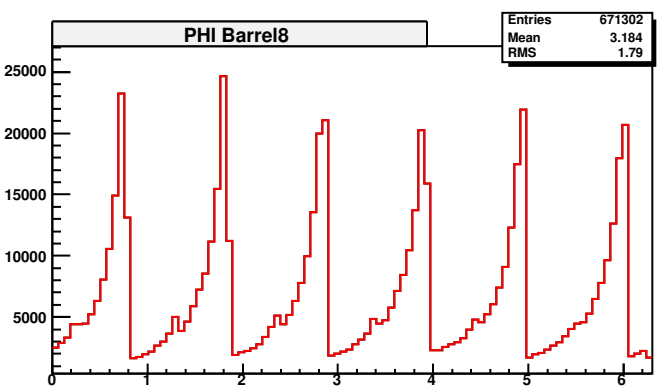




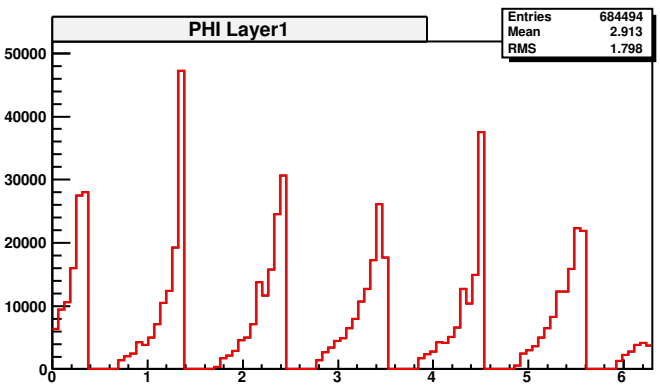


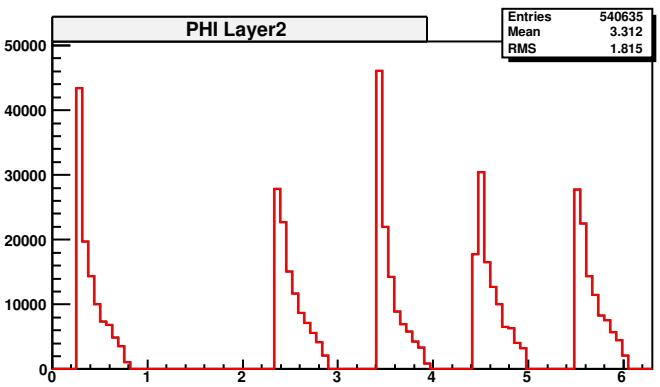


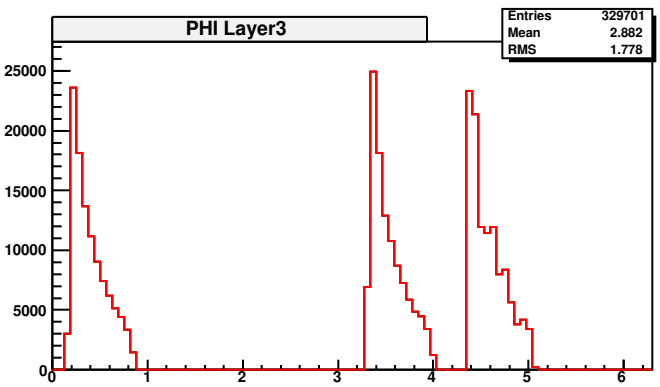


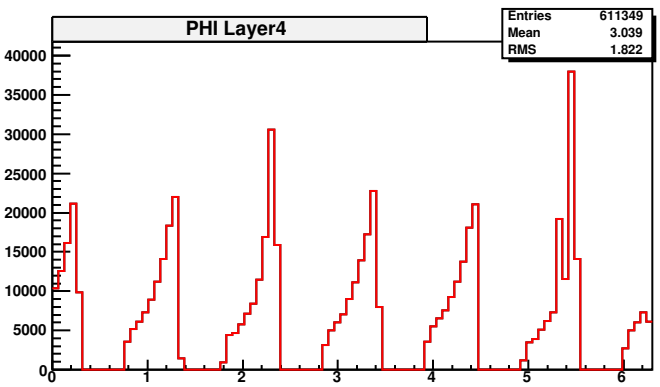


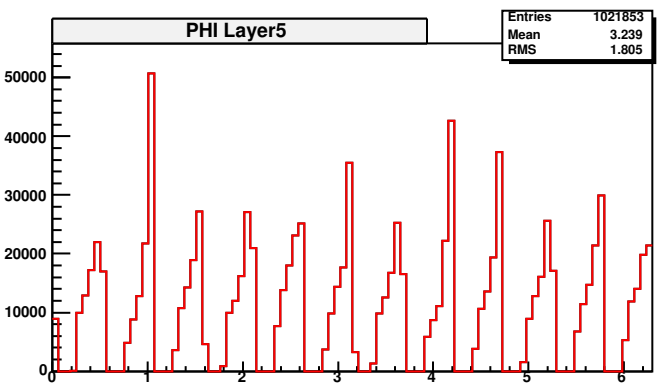
SmtClusters (ClustrLayer0)

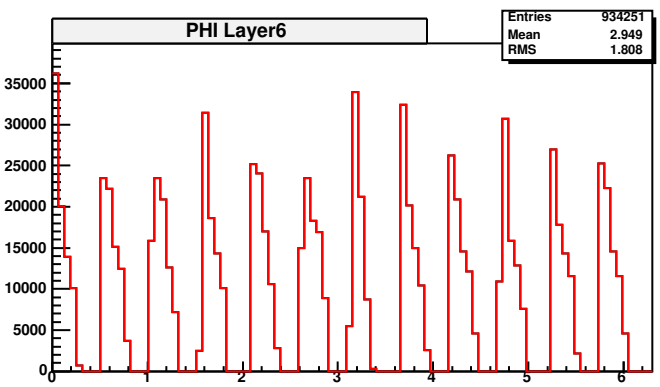


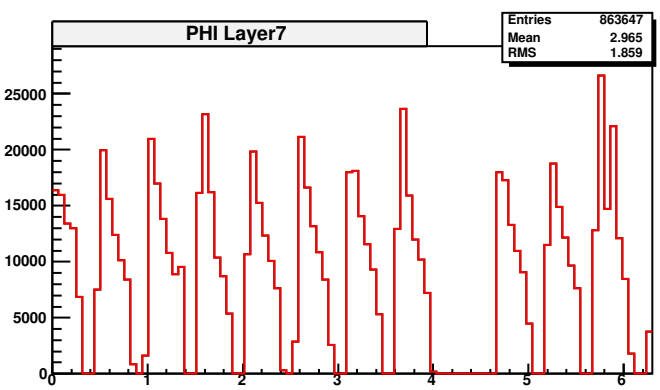


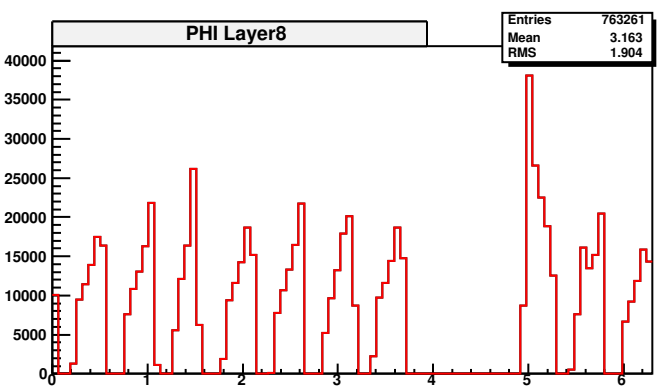




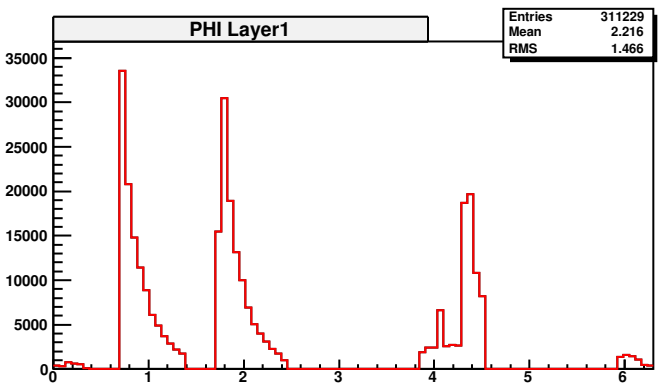


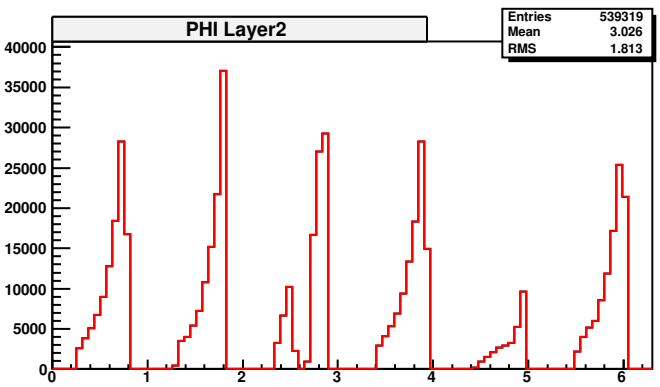


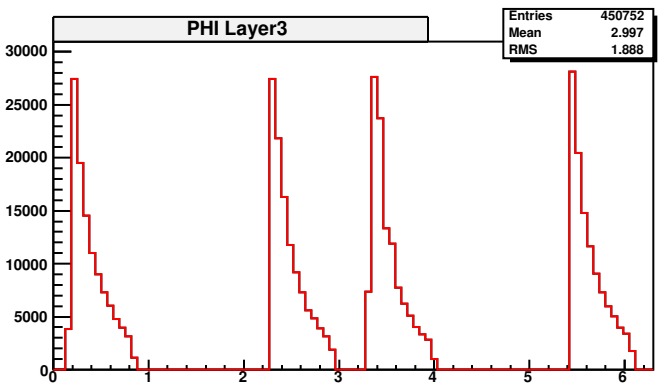


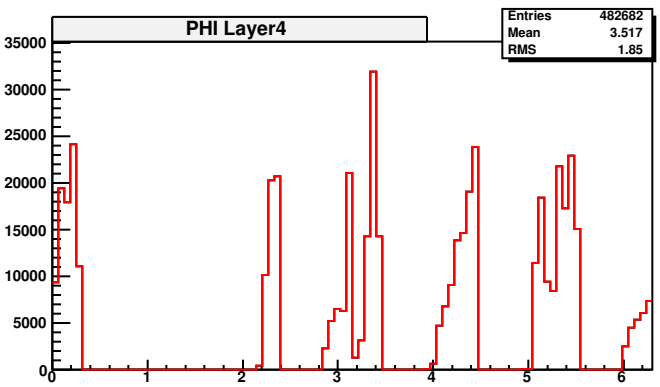


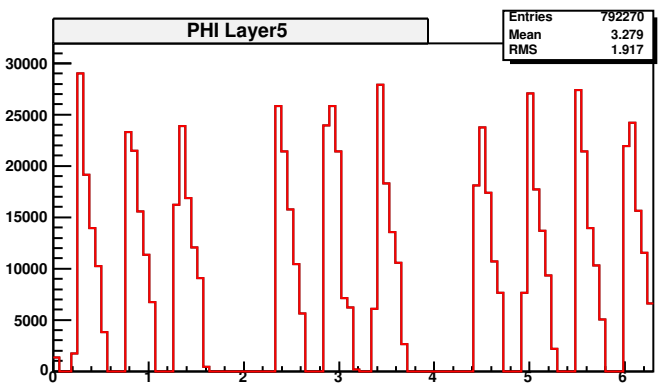
SmtClusters (ClustrBar1)

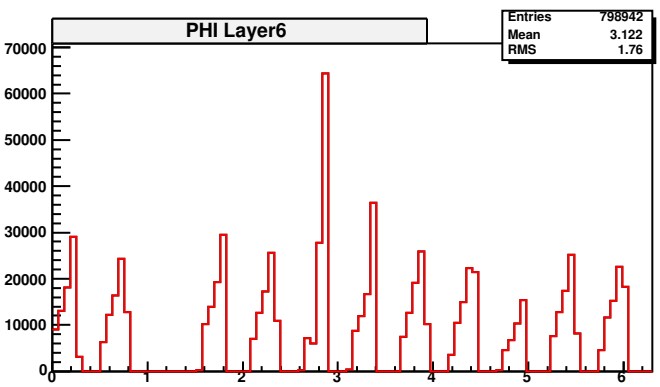


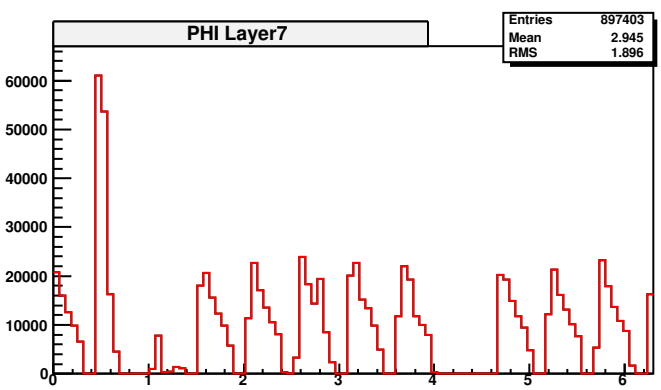


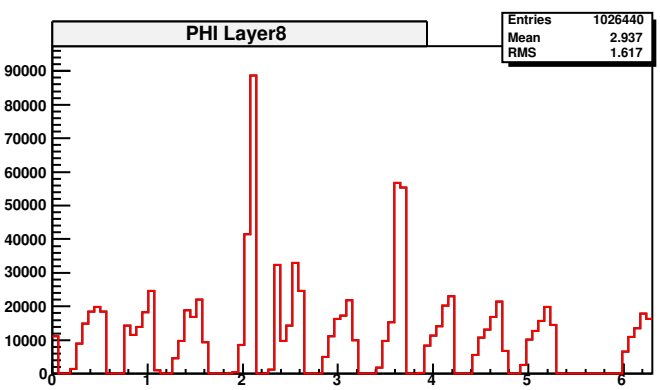




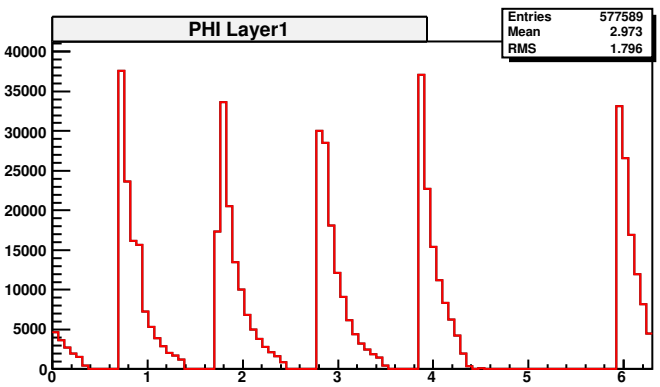


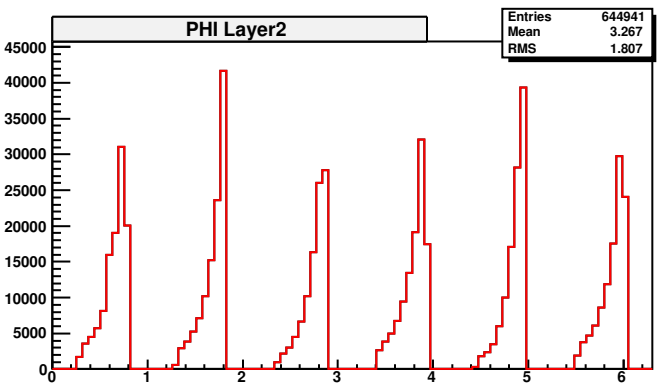


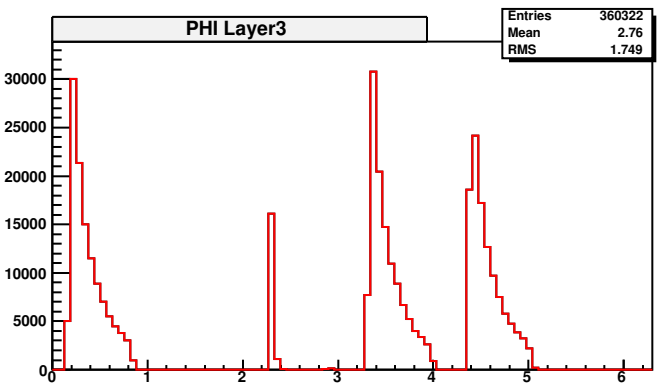


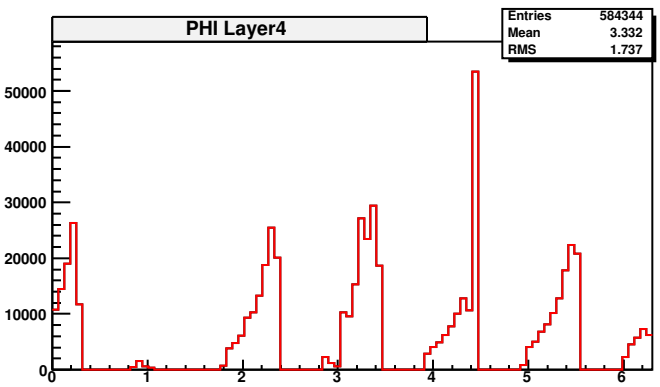


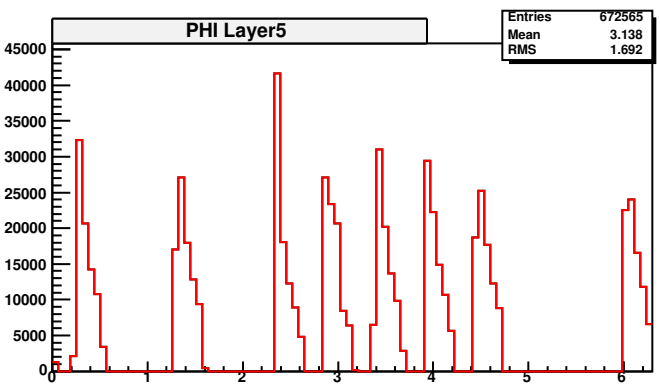
SmtClusters (ClustrBar2)

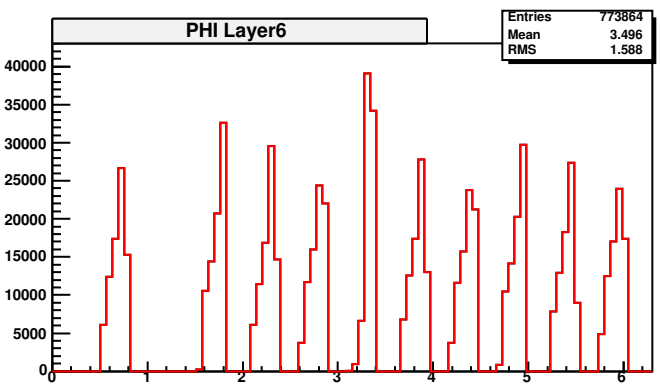


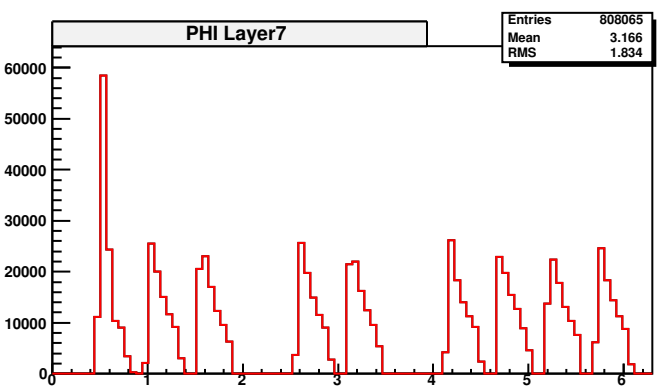


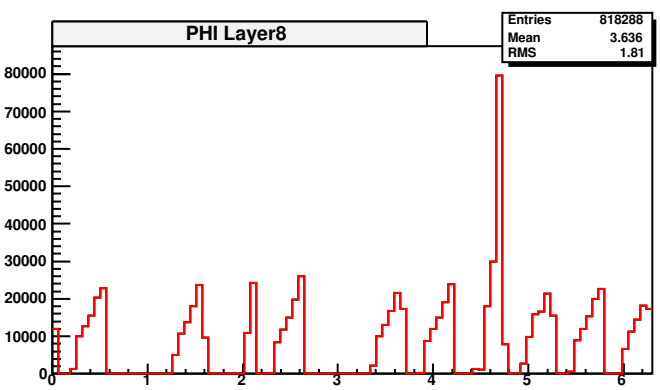




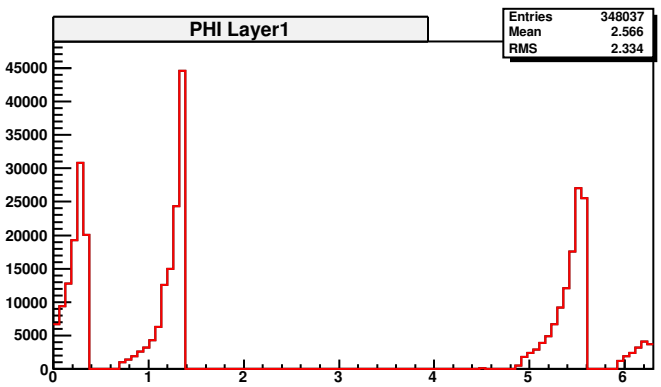


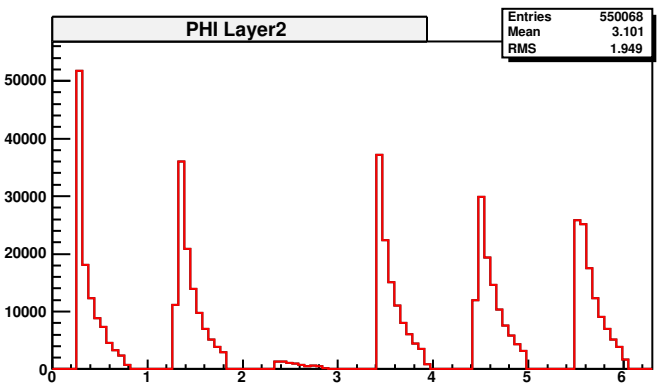


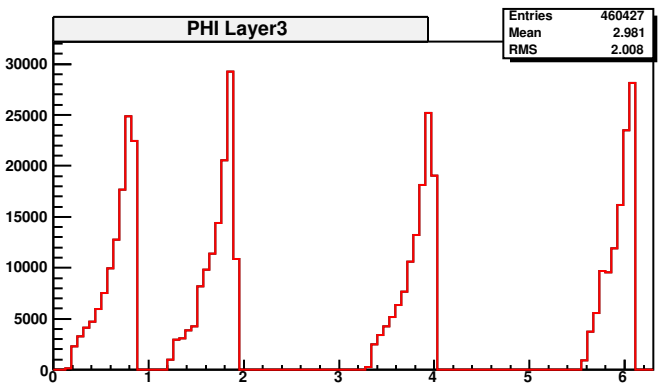


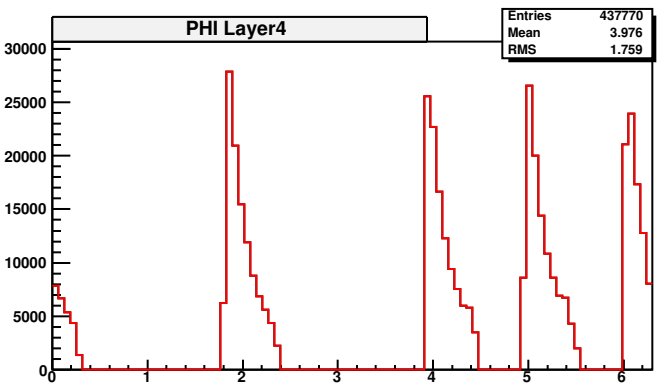


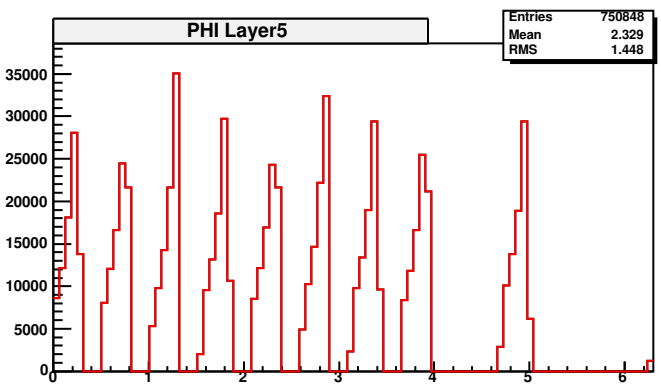
SmtClusters (ClustrBar3)

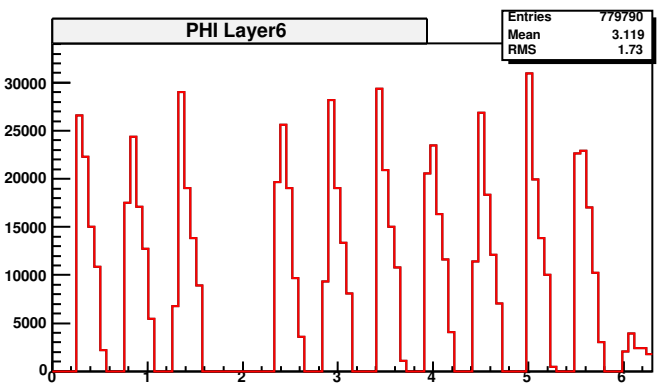


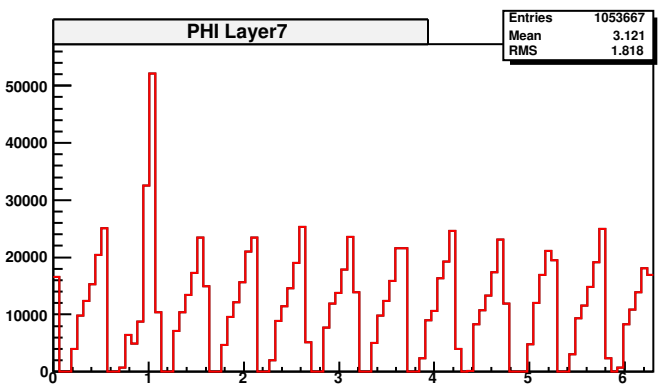


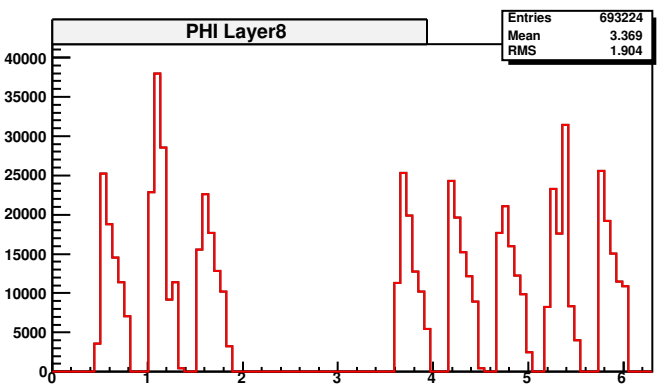




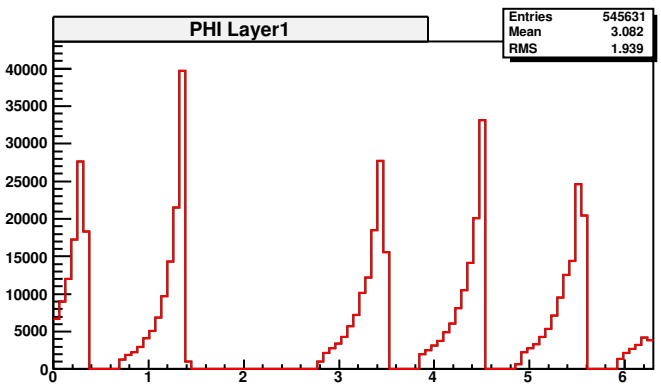


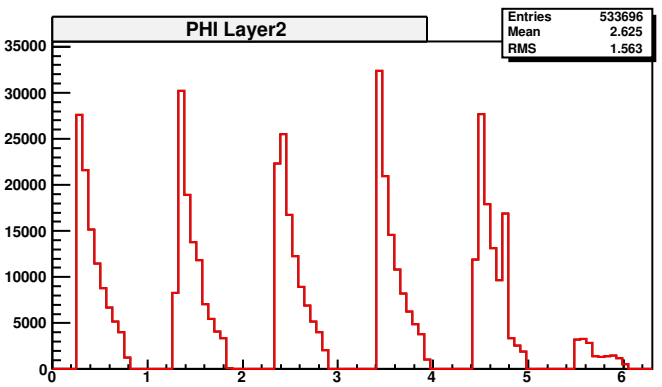


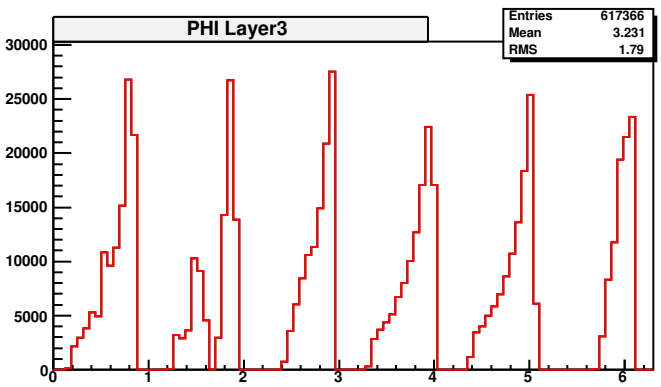


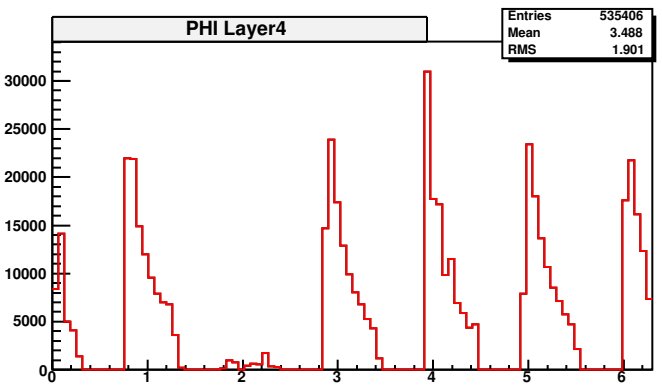


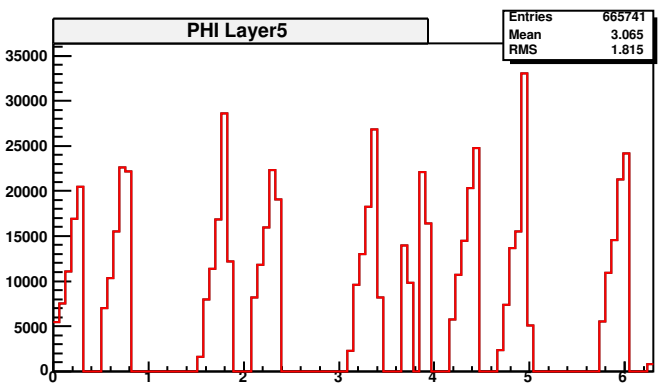
SmtClusters (ClustrBar4)

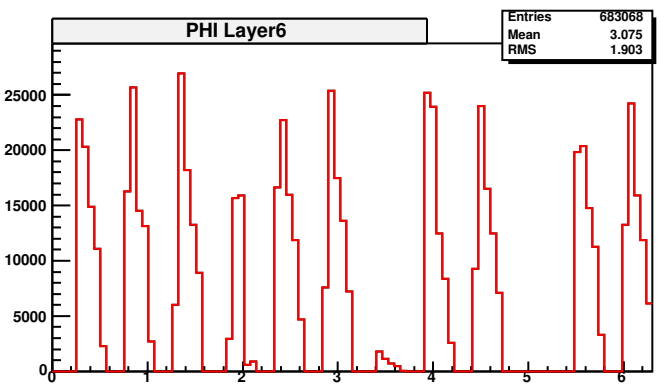


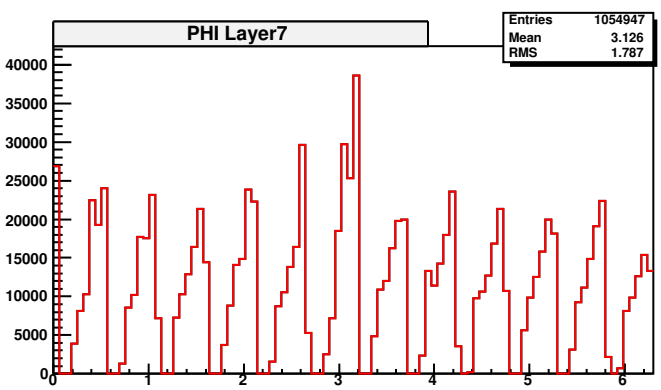


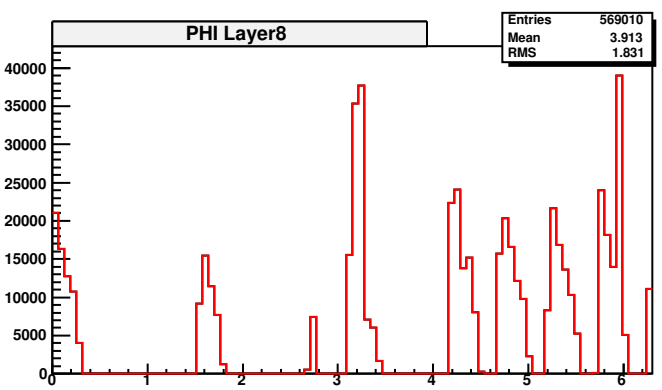




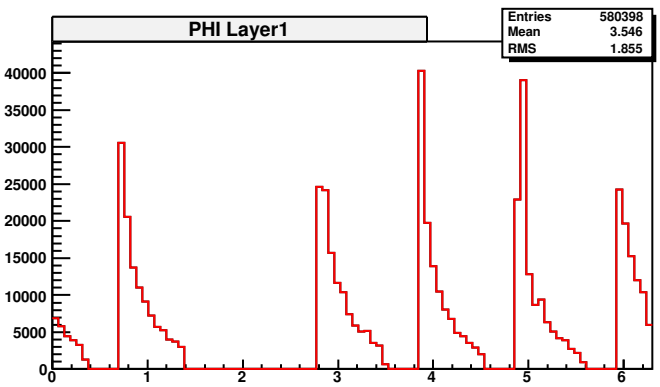


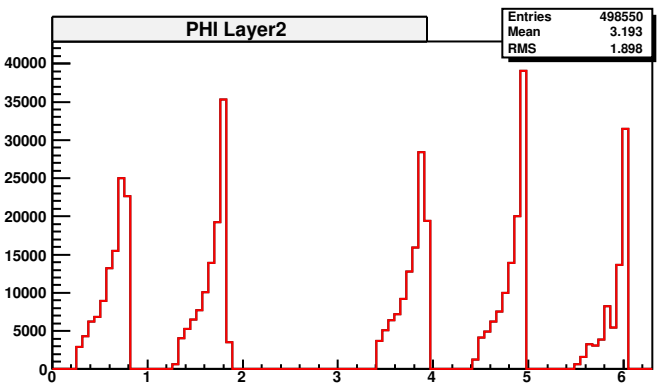


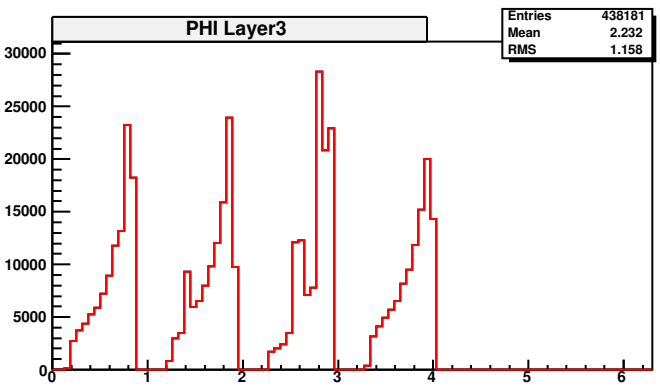


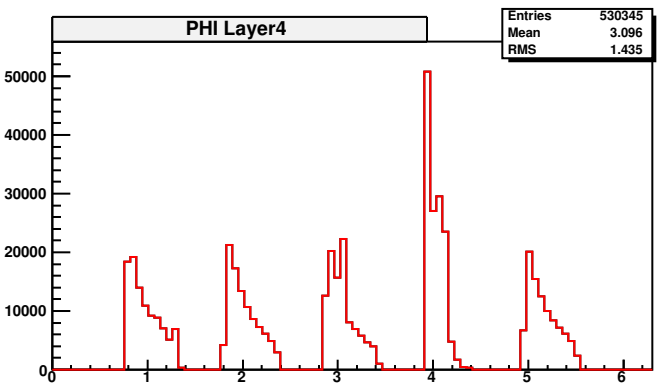


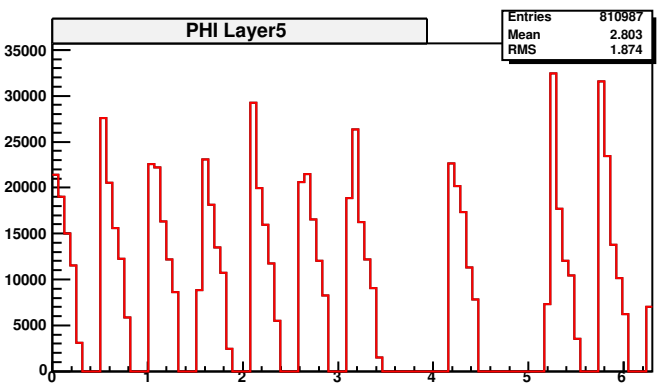
SmtClusters (ClustrBar5)

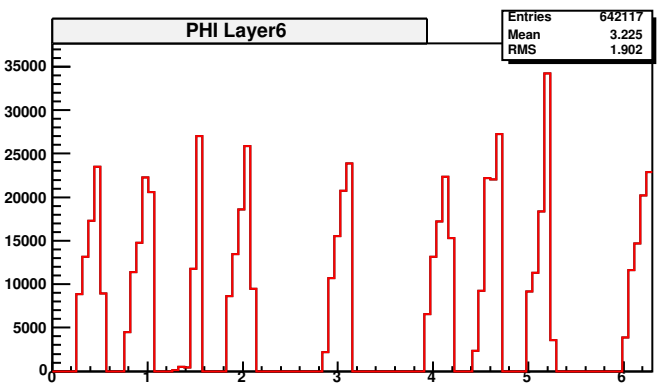


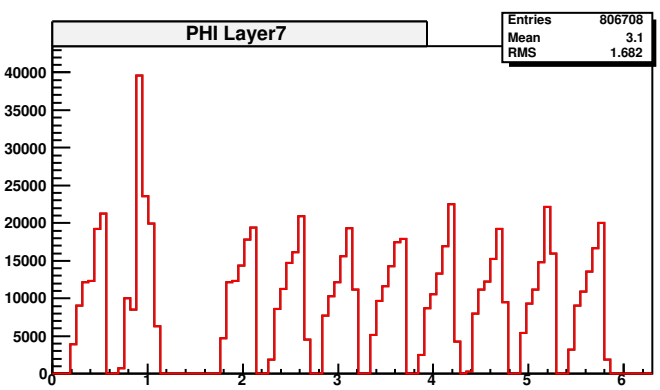


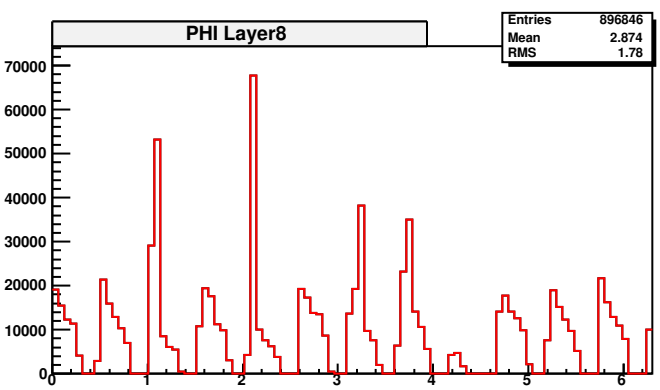




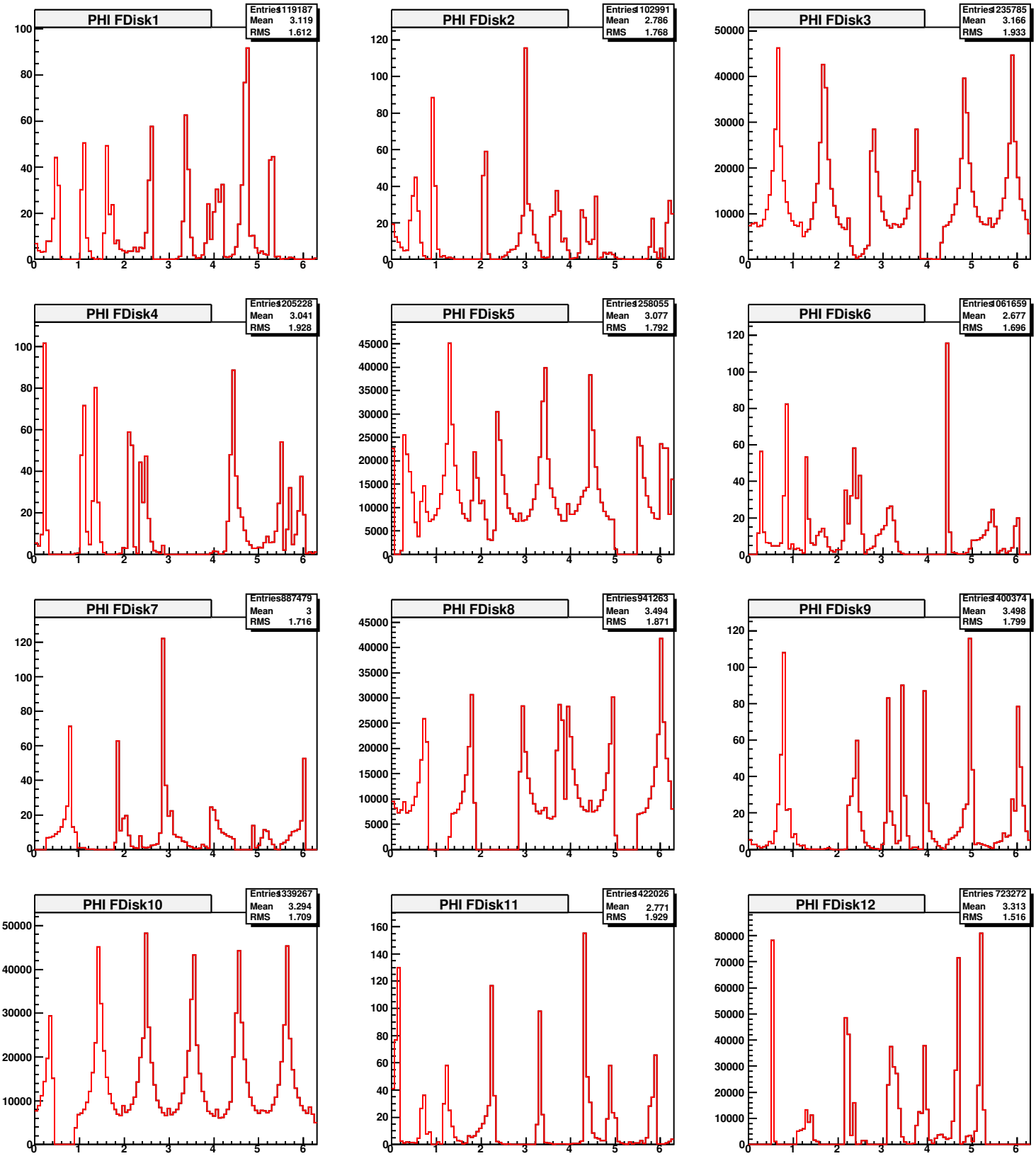




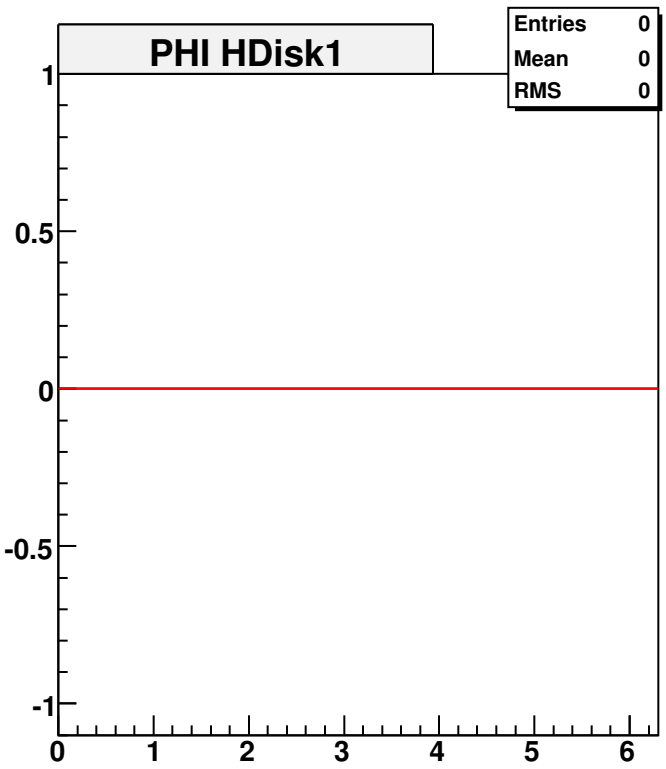


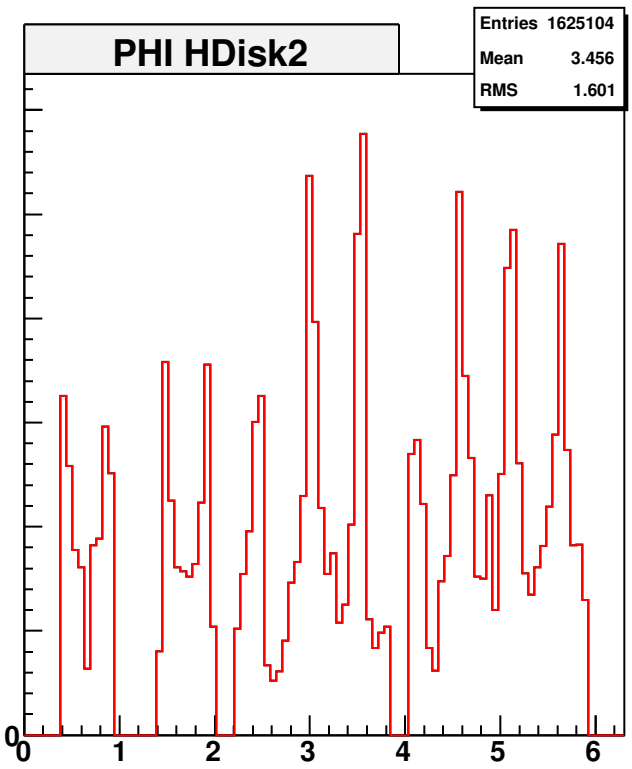


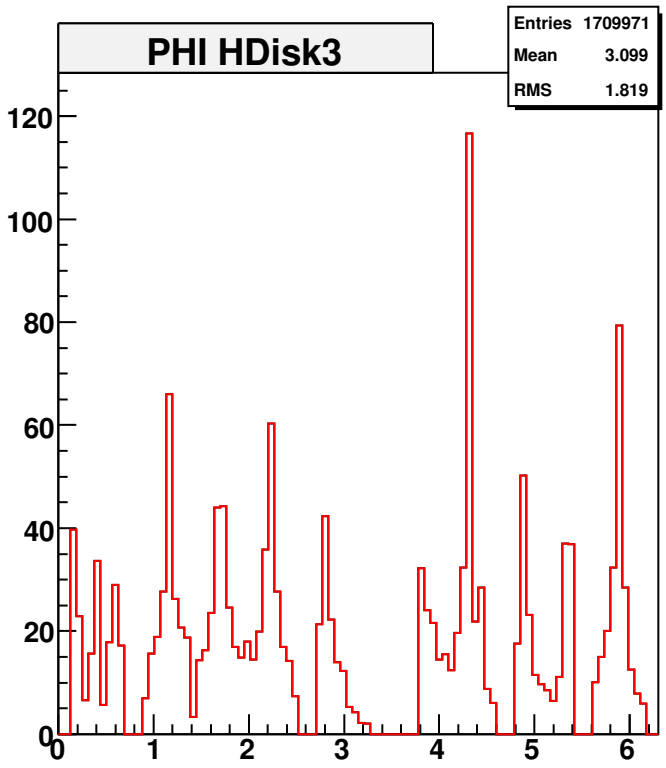
SmtClusters (ClustrBar6)

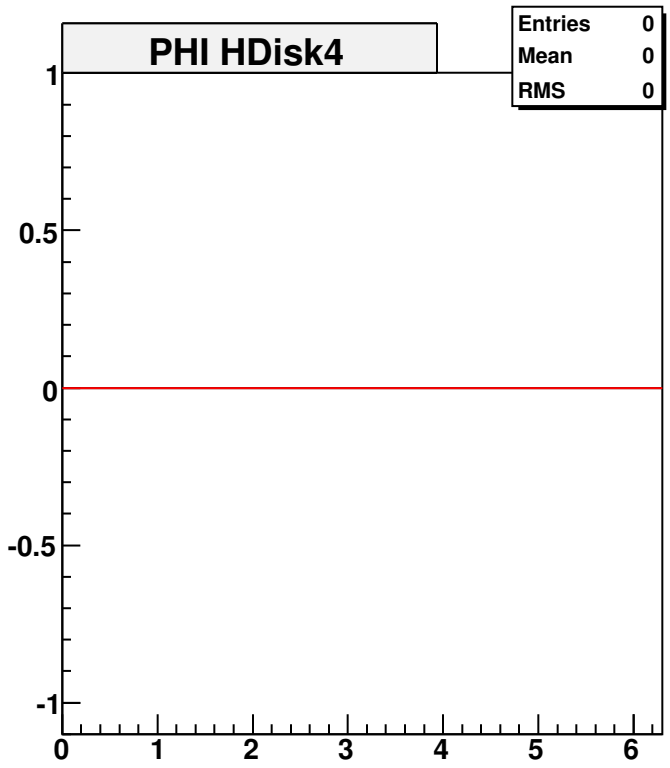


SmtClusters (FDiskClusters)

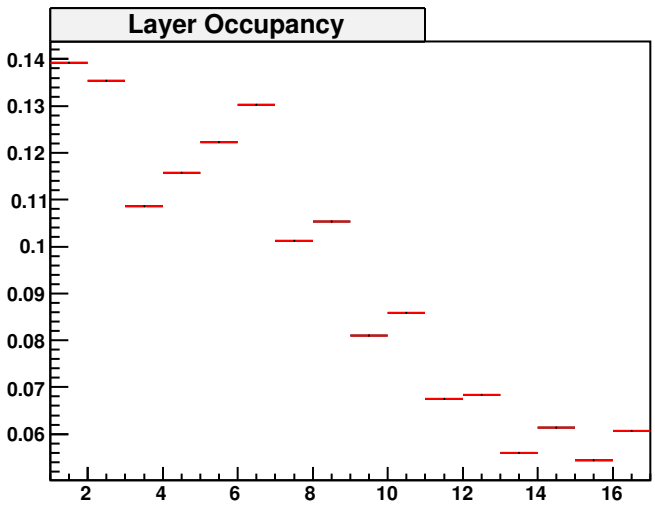


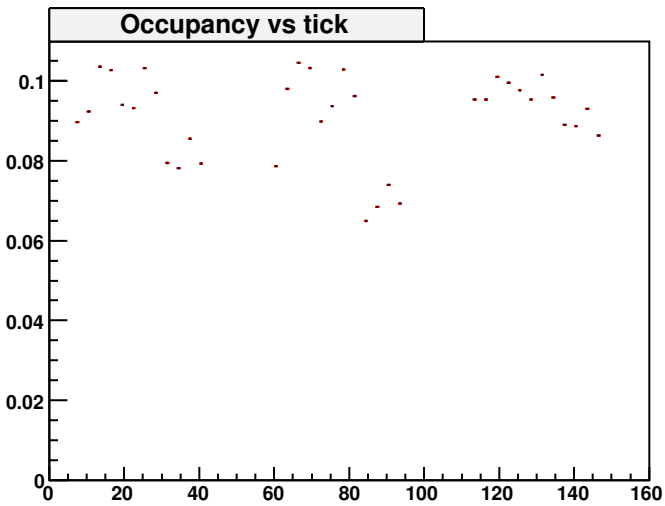


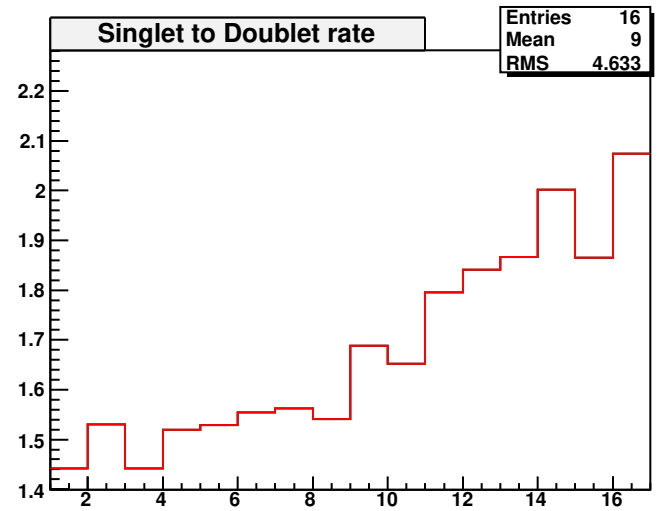


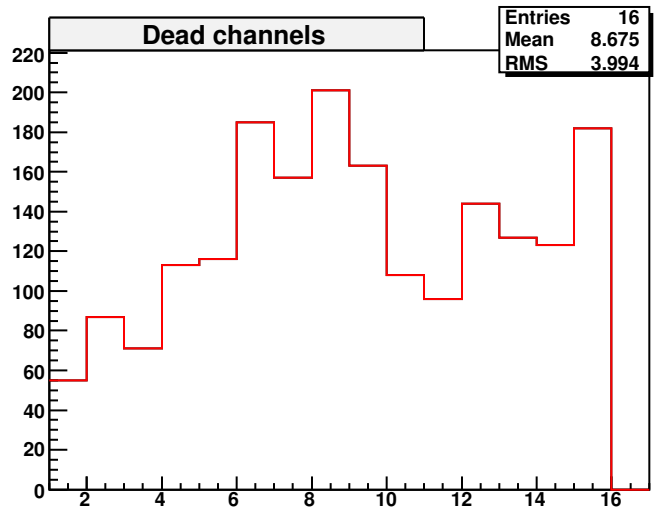


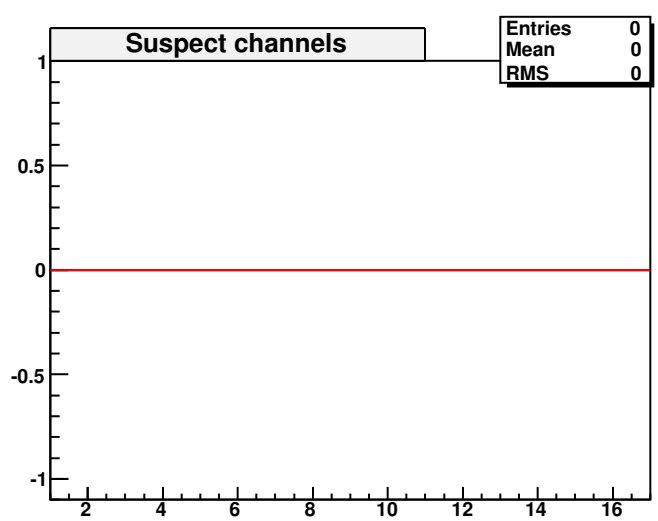
SmtClusters (HDiskClusters)

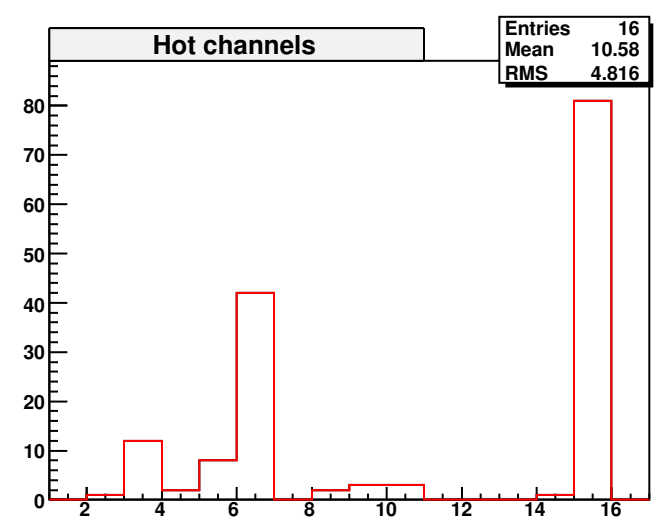




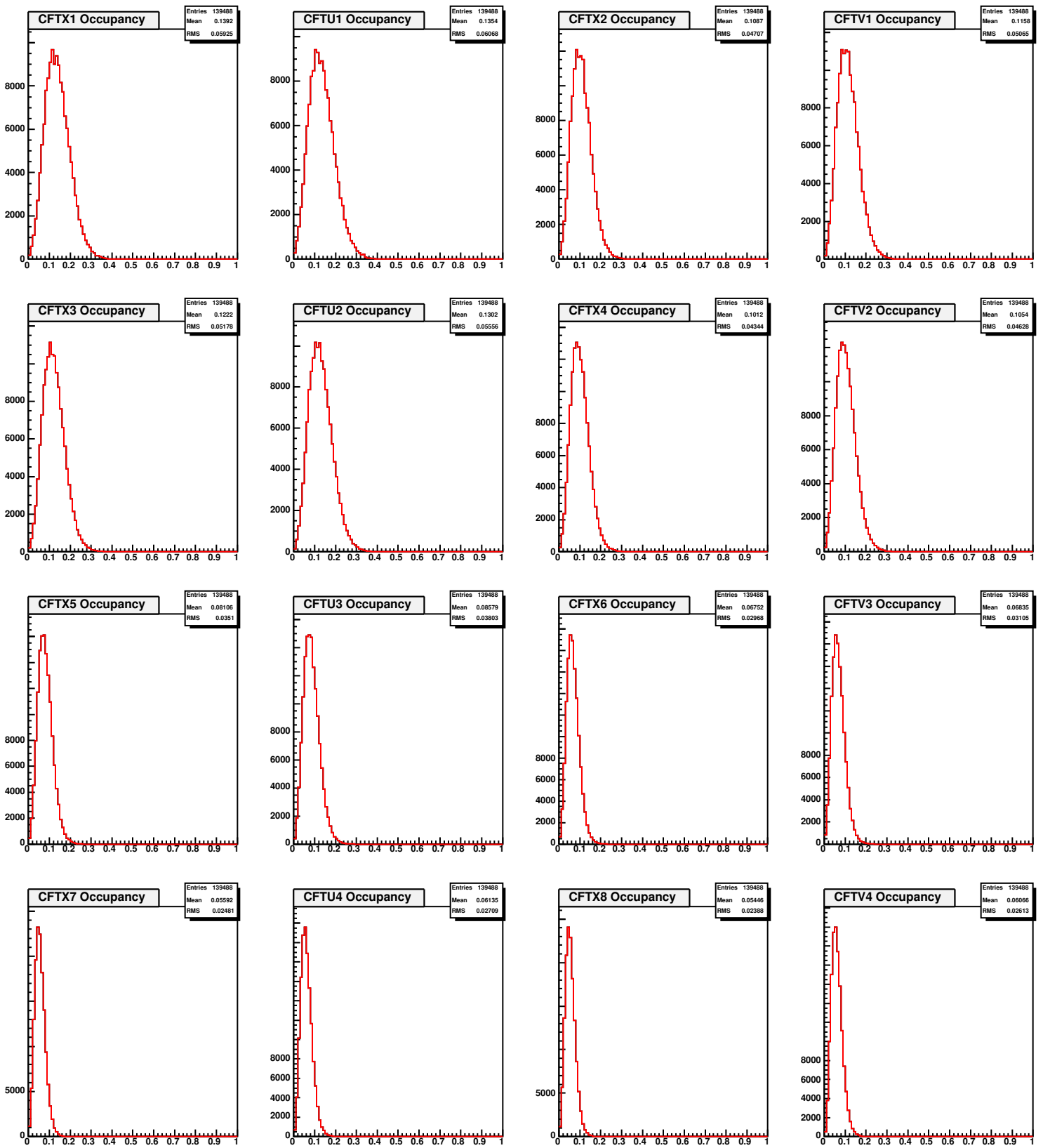




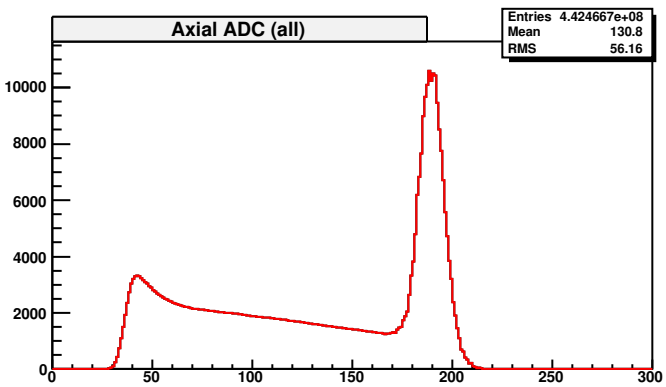


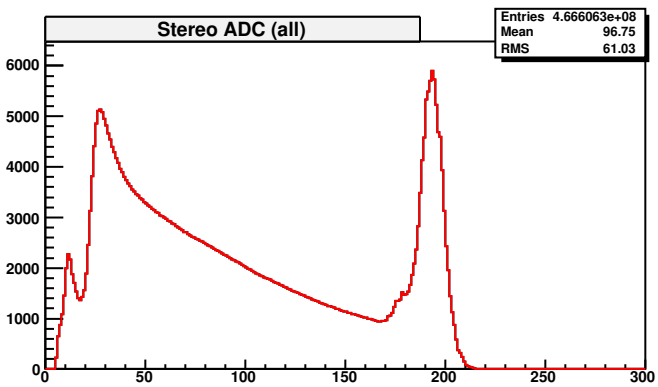


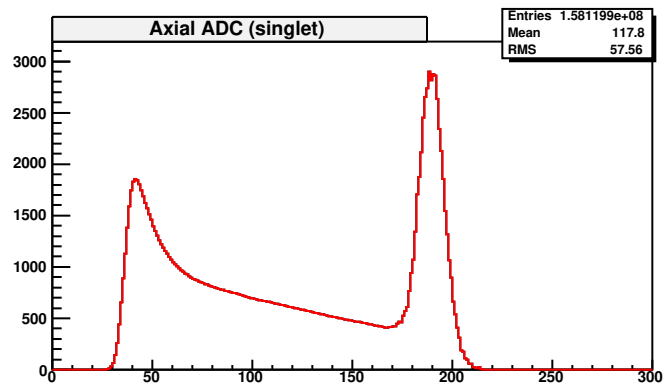
CFT Summary (All Clusters)

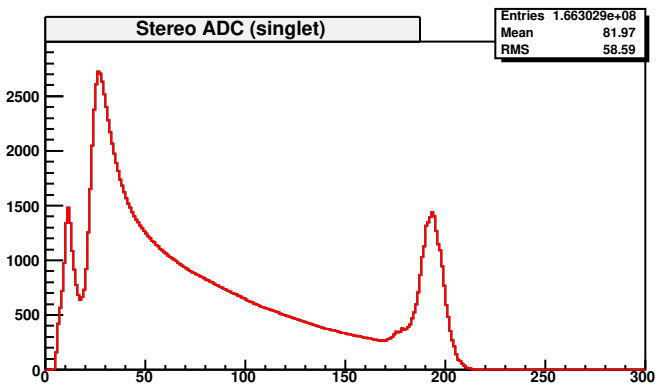


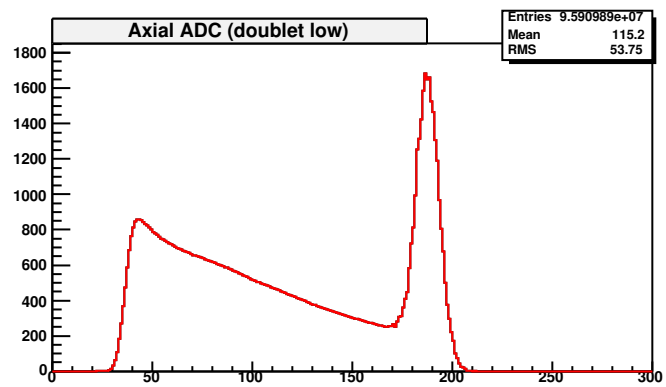
CFT Occupancy (All Clusters)

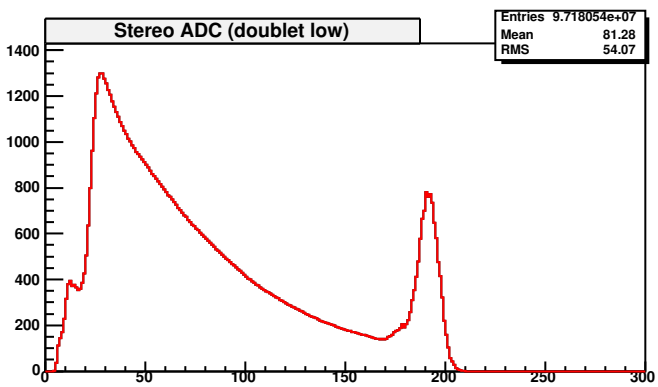


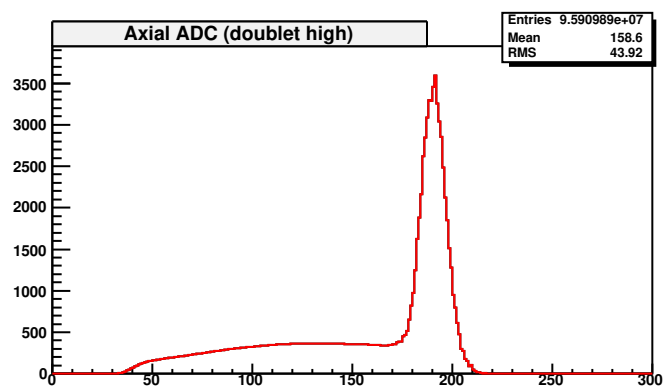


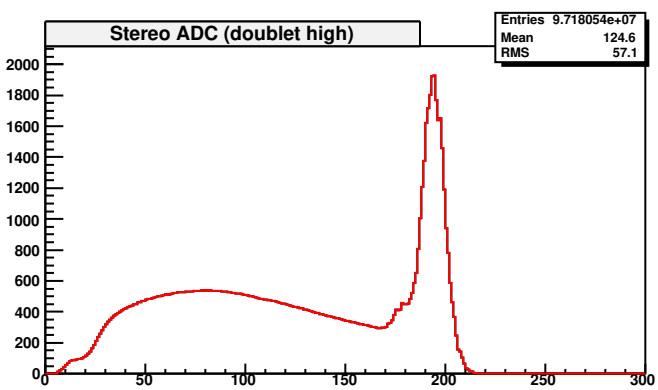




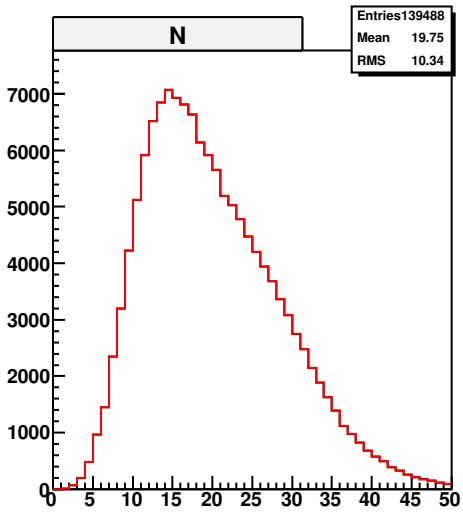


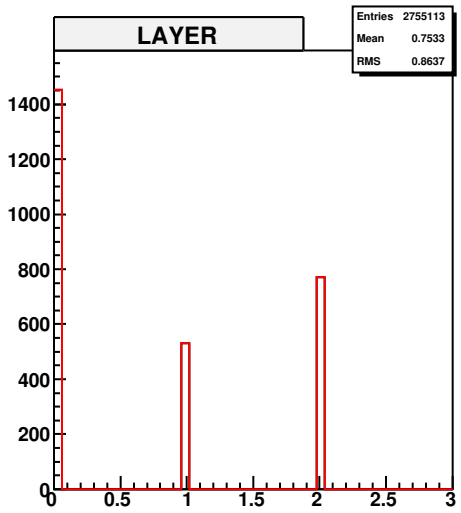


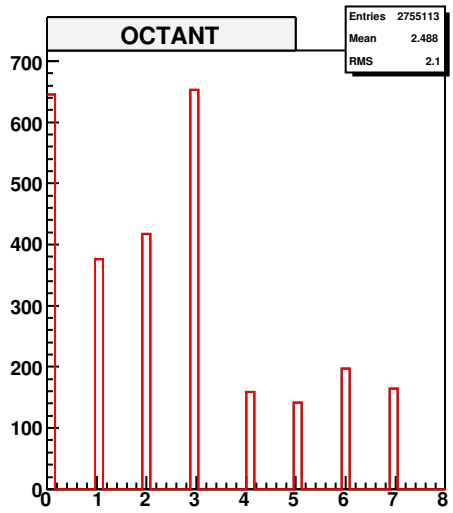


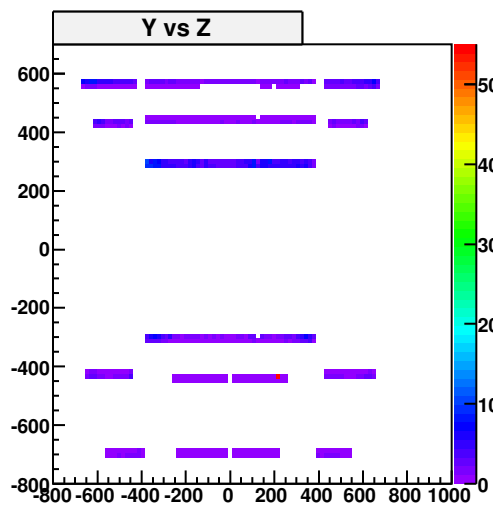


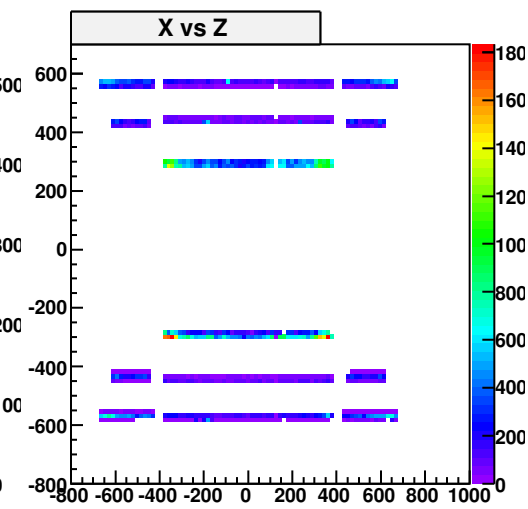
CFT ADC Summary (All Clusters)

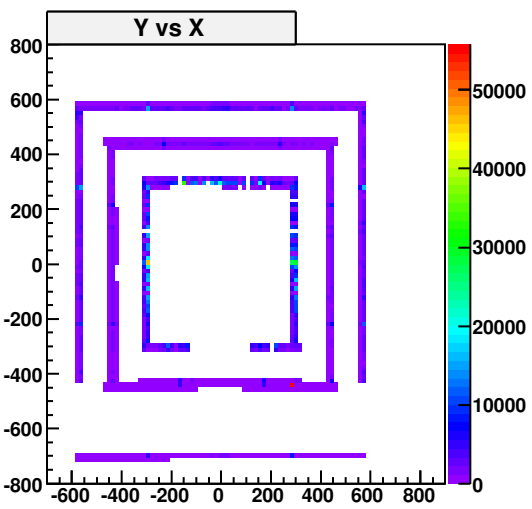

N
Entries 139488
Mean 19.75
RMS 10.34

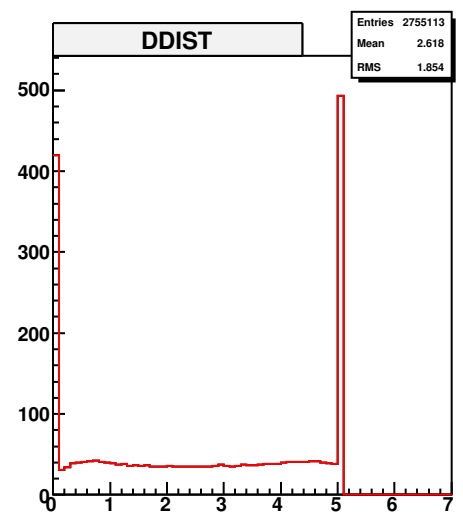

LAYER
Entries 2755113
Mean 0.7533
RMS 0.8637

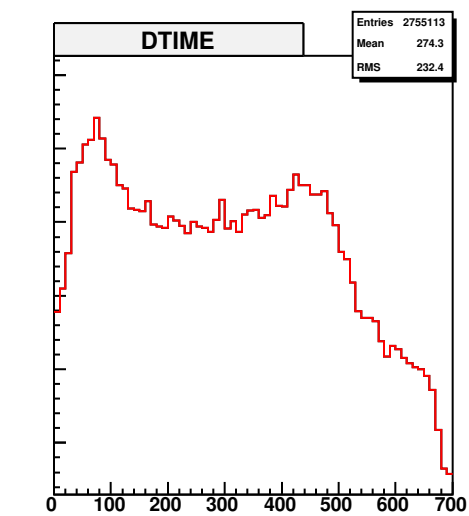

OCTANT
Entries 2755113
Mean 2.488
RMS 2.1


Y vs Z

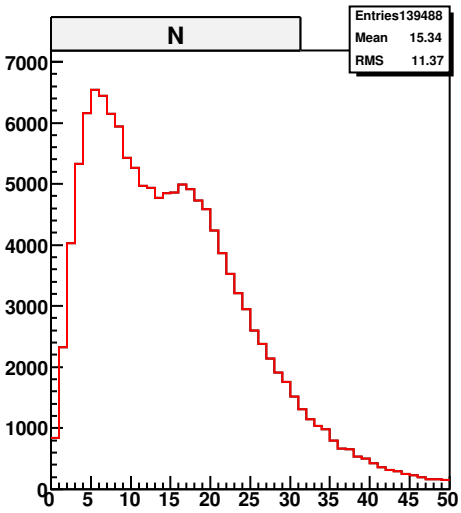

X vs Z

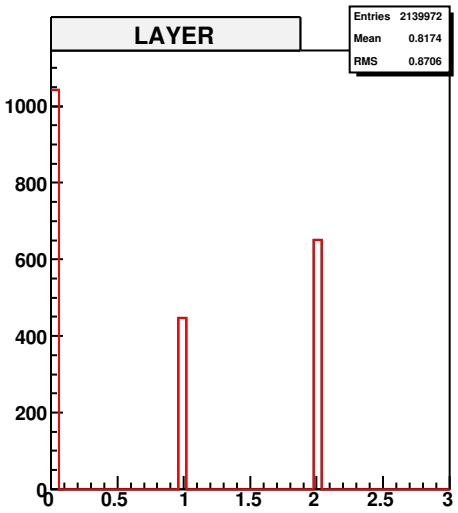

Y vs X

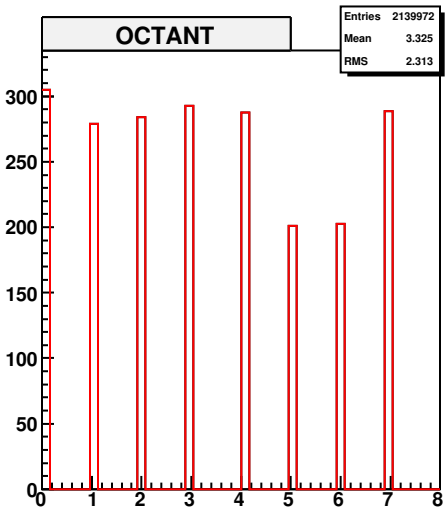

DDIST
Entries 2755113
Mean 2.618
RMS 1.854

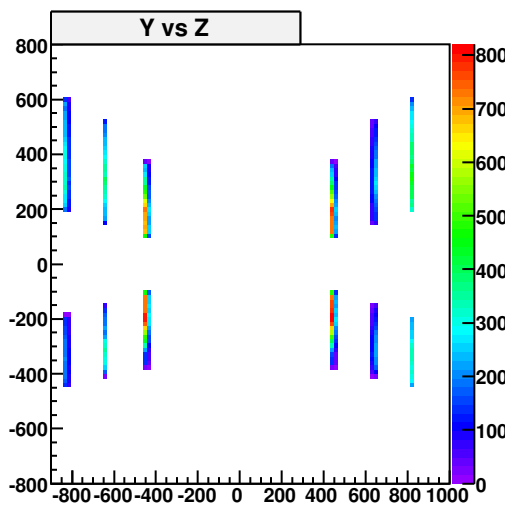

DTIME
Entries 2755113
Mean 274.3
RMS 232.4

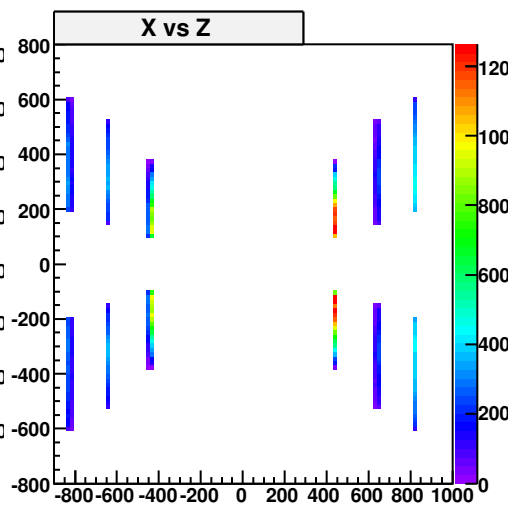
MuonPDT (All)

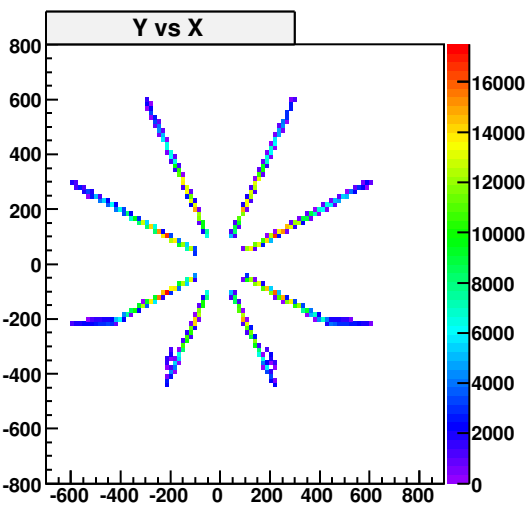

N
Entries 139488
Mean 15.34
RMS 11.37

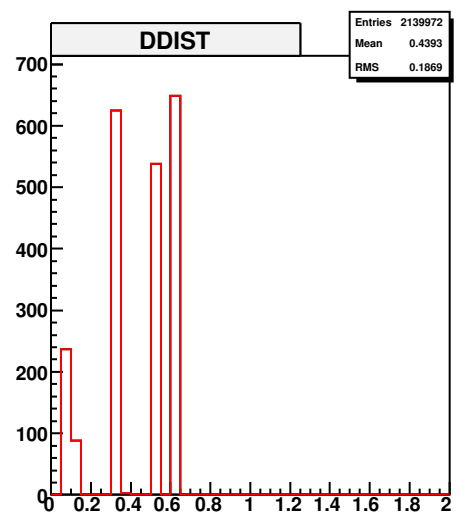

LAYER
Entries 2139972
Mean 0.8174
RMS 0.8706


OCTANT
Entries 2139972
Mean 3.325
RMS 2.313


Y vs Z


X vs Z


Y vs X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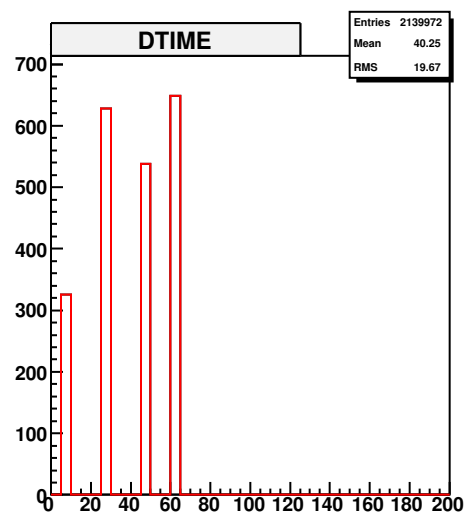
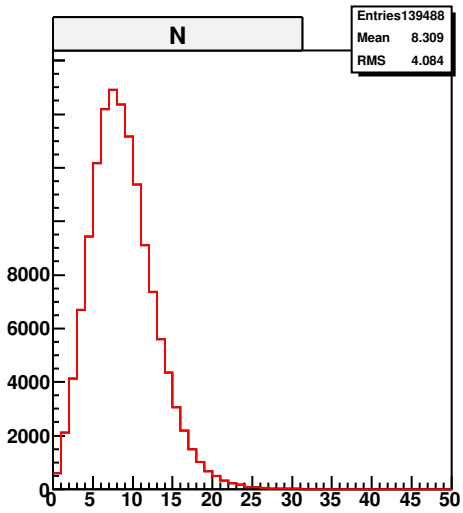
Entries 2139972
Mean 0.4393
RMS 0.1869


DTIME
Entries 2139972
Mean 40.25
RMS 19.67

MuonMDT (All)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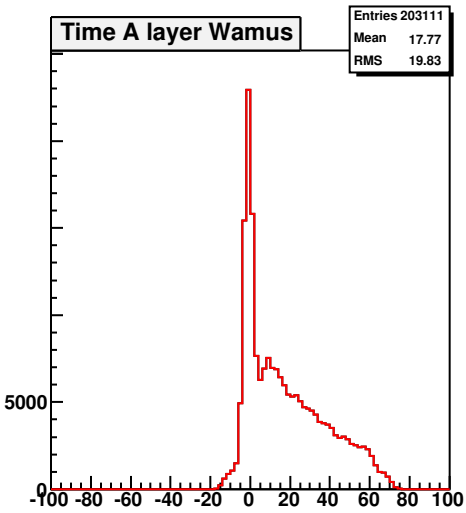
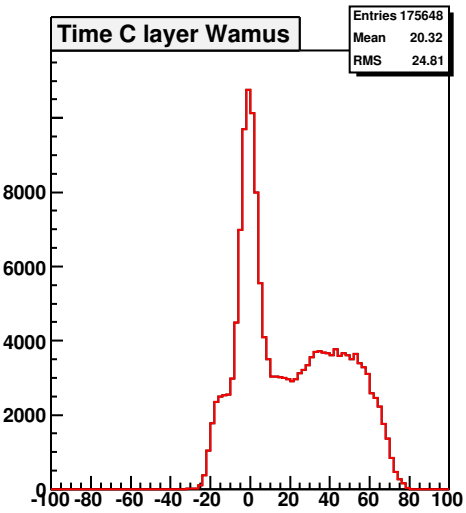
Mean 8.309
RMS 4.084


Time A layer Wamus
Entries 203111
Mean 17.77
RMS 19.83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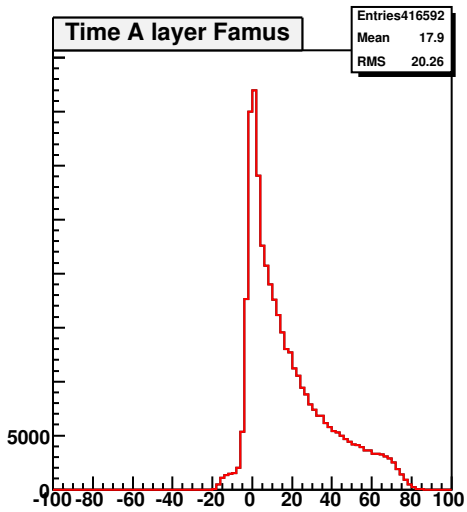
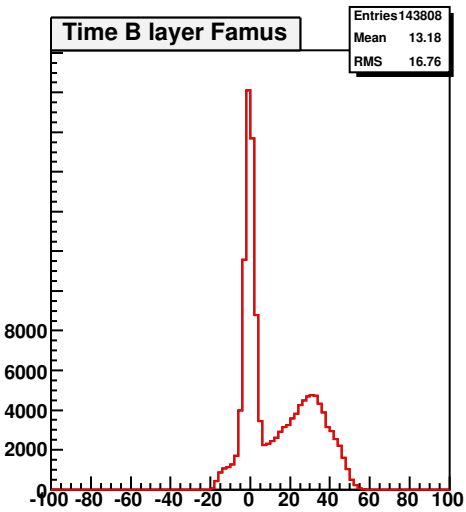
Mean 20.32
RMS 24.81


Time A layer Famus
Entries416592
Mean 17.9
RMS 20.26


Time B layer Famus
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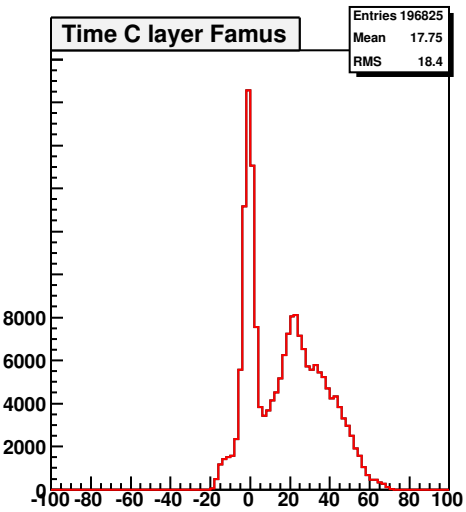
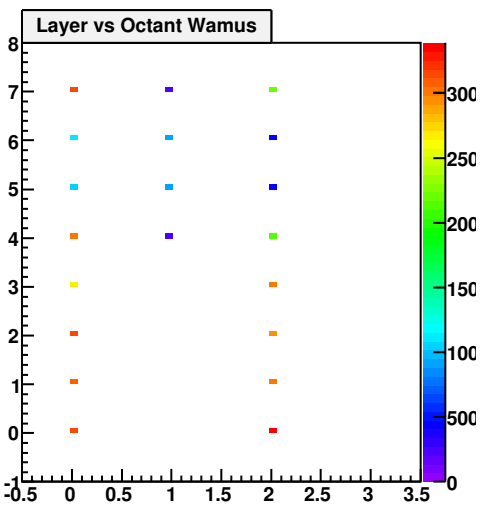
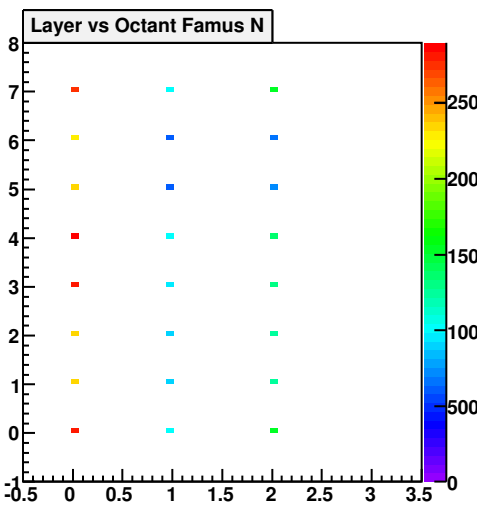
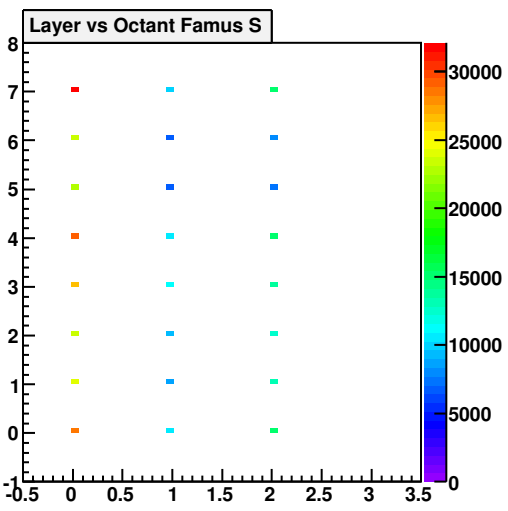
Mean 13.18
RMS 16.76

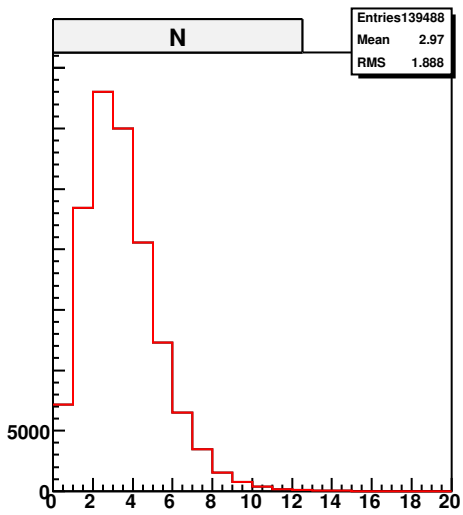

Time C layer Famus
Entries 196825
Mean 17.75
RMS 18.4

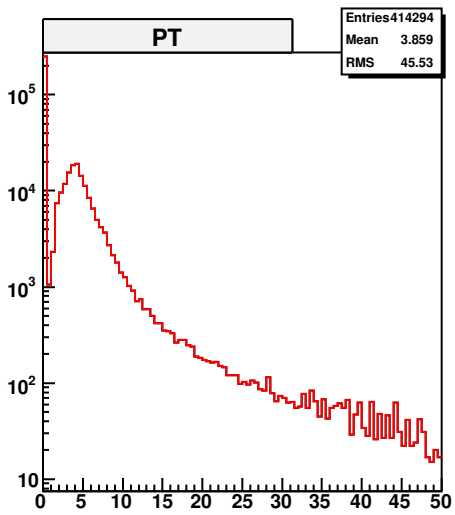

Layer vs Octant Wamus

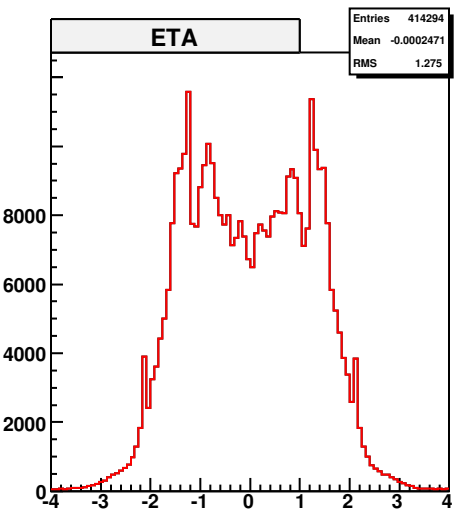

Layer vs Octant Famus N

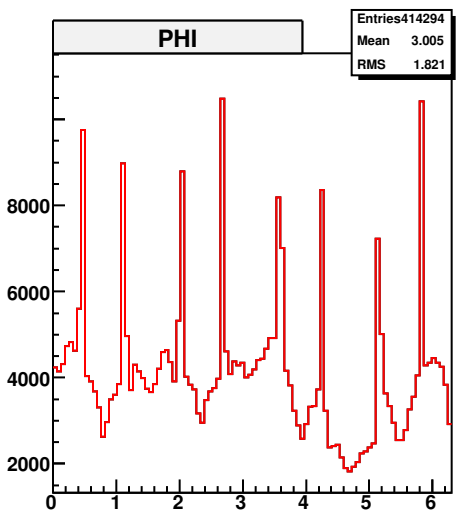

Layer vs Octant Famus S

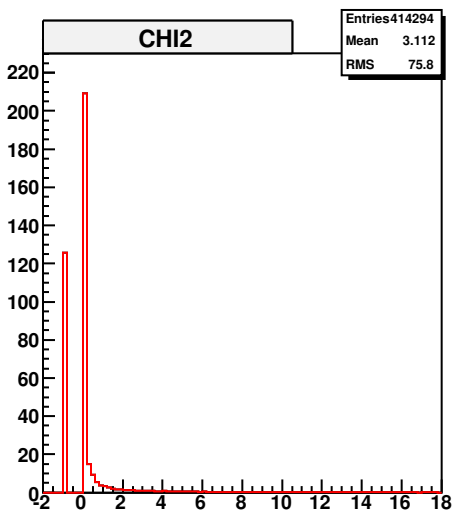
MuonMSC (All)

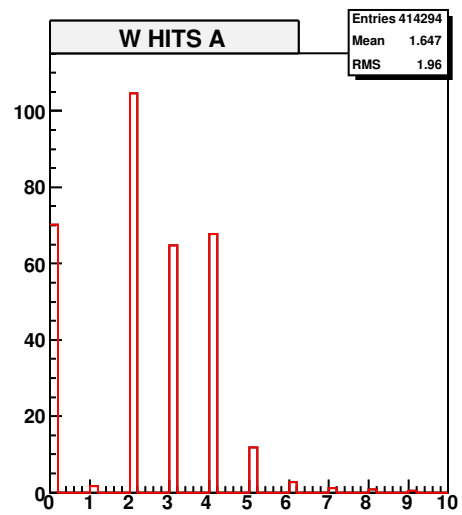


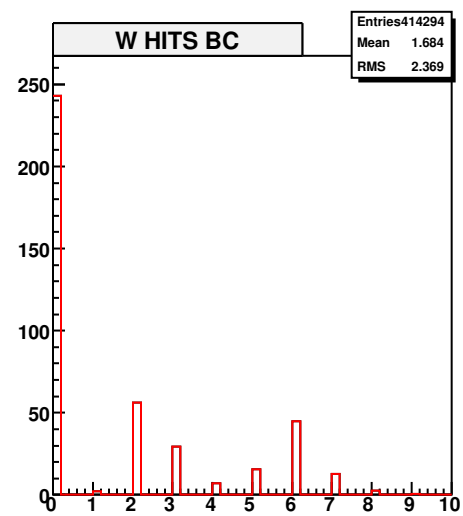


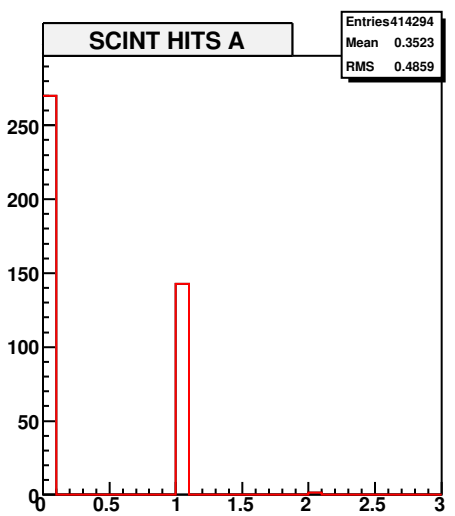


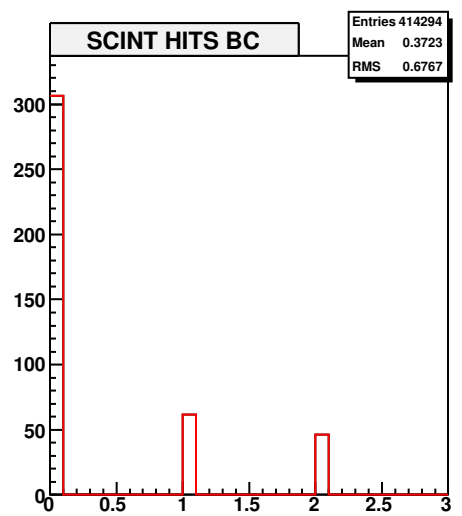




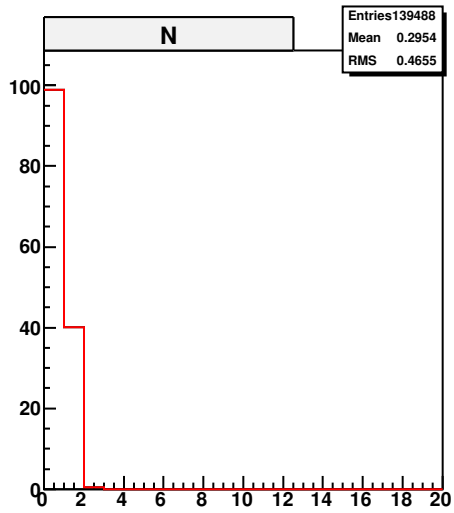


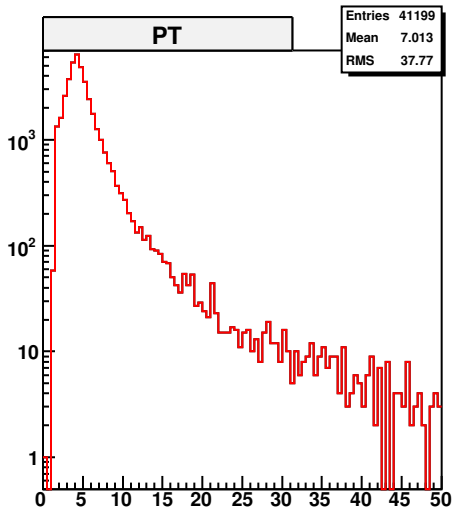


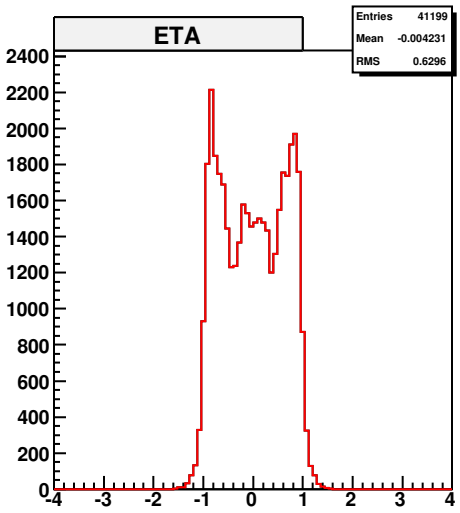


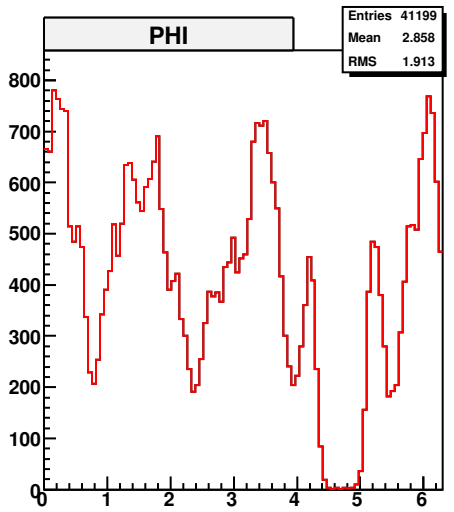


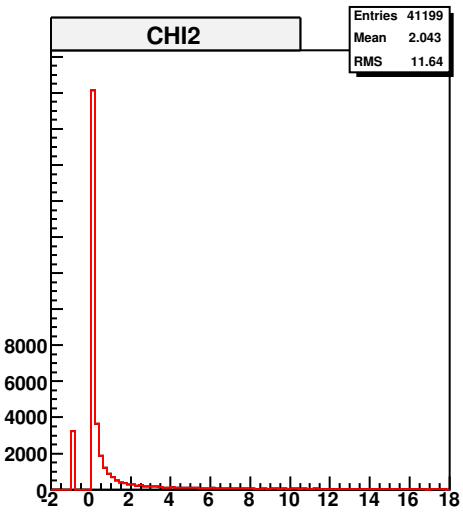
Muon Local Tracks (All)

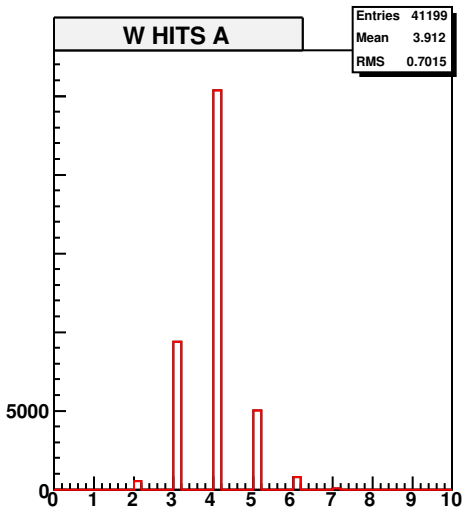


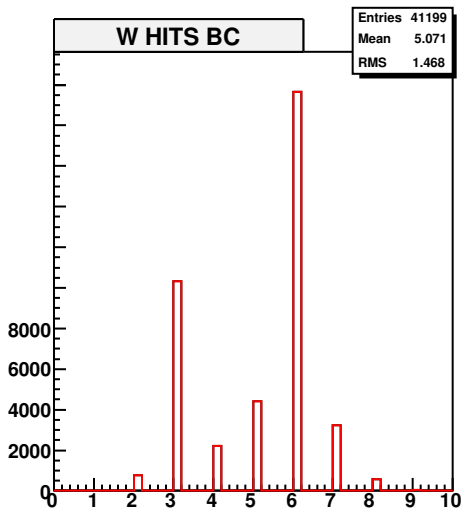


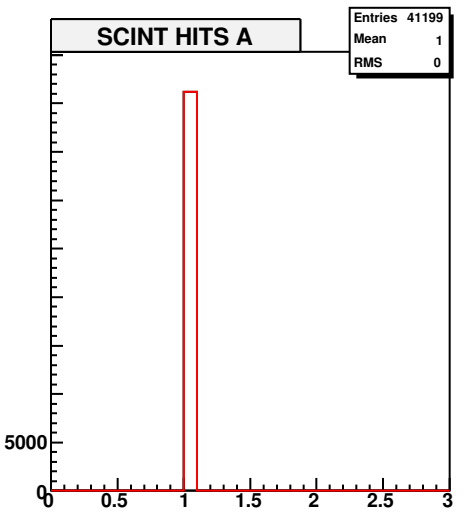


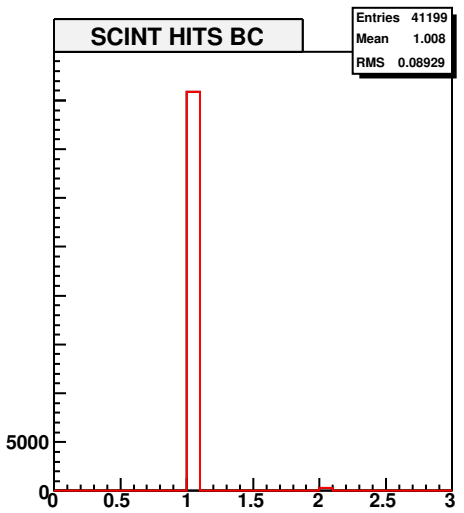




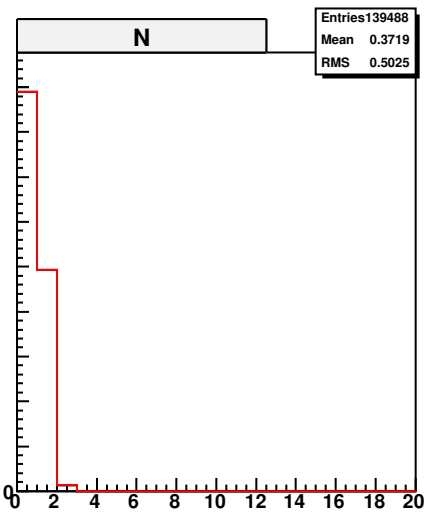


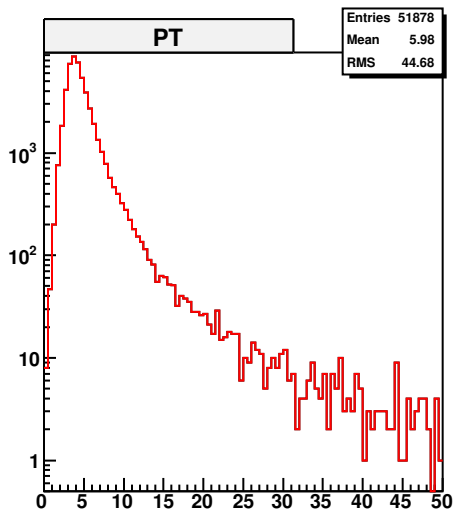


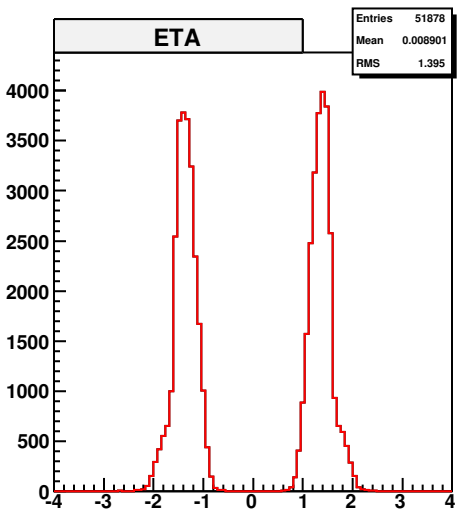


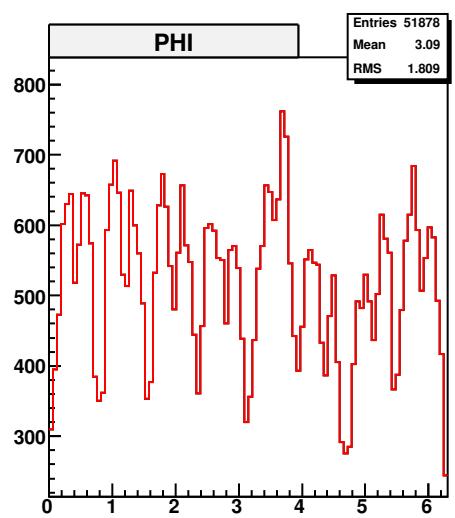


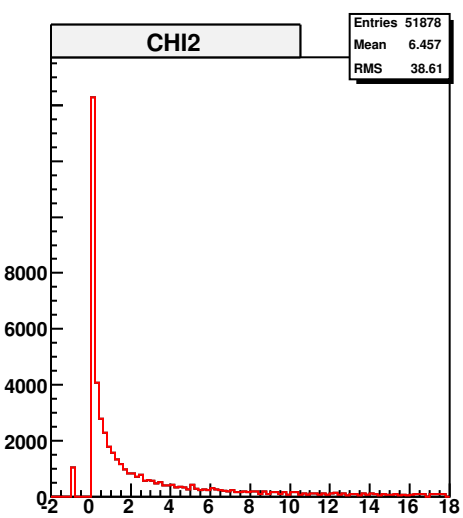
Muon Local Tracks (MediumWamus)

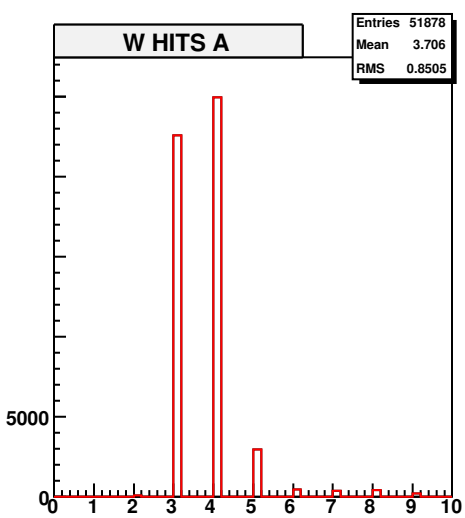


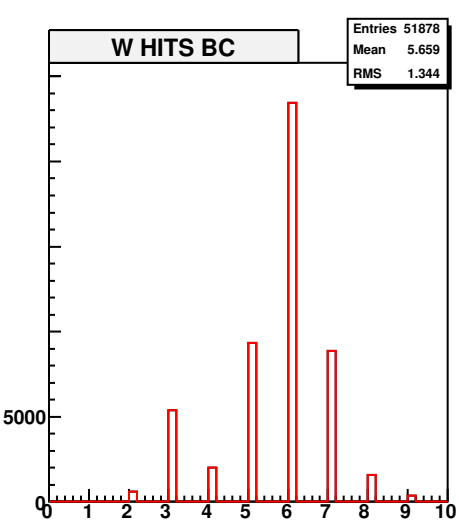


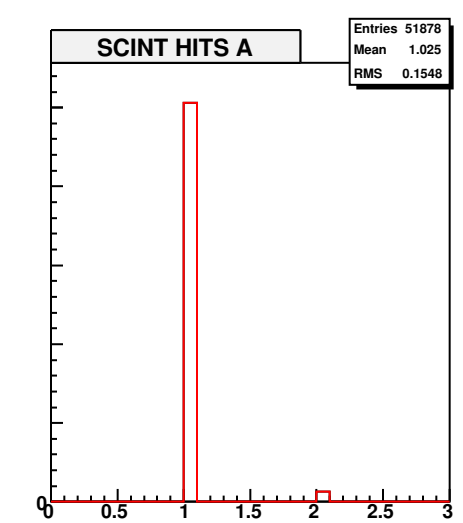


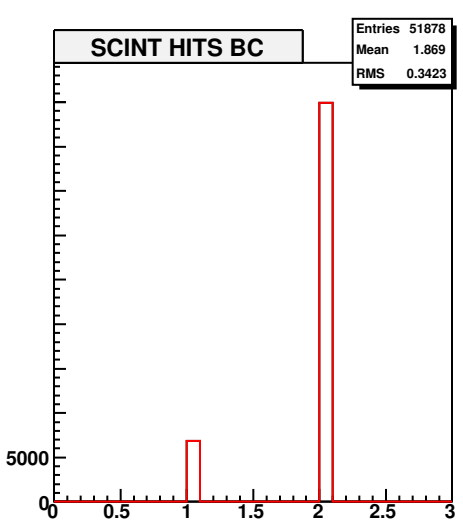




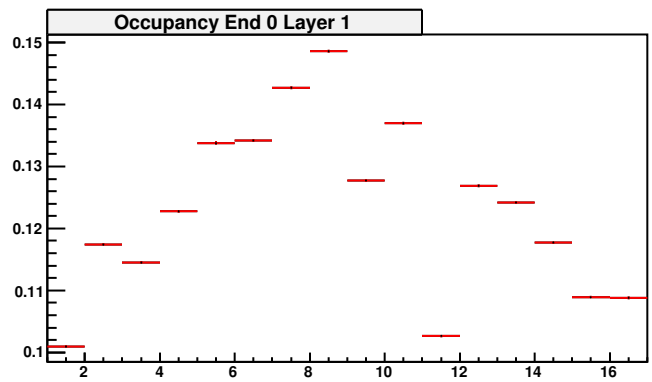


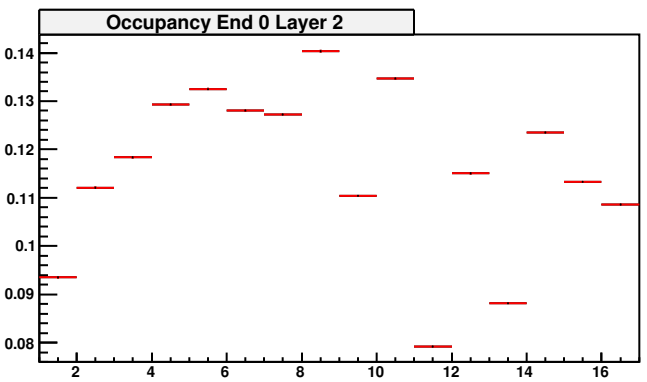


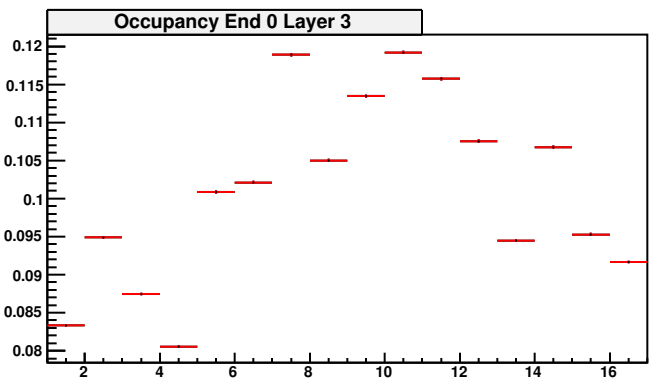


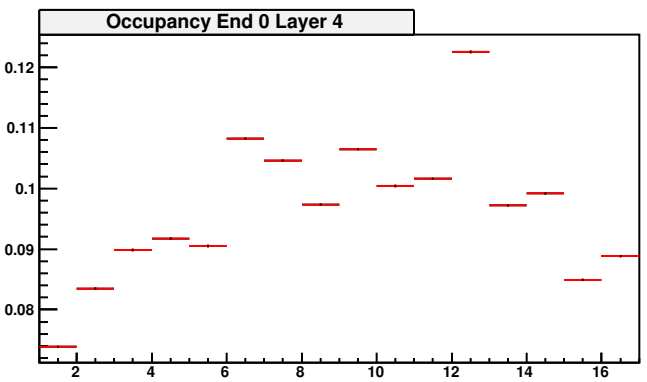


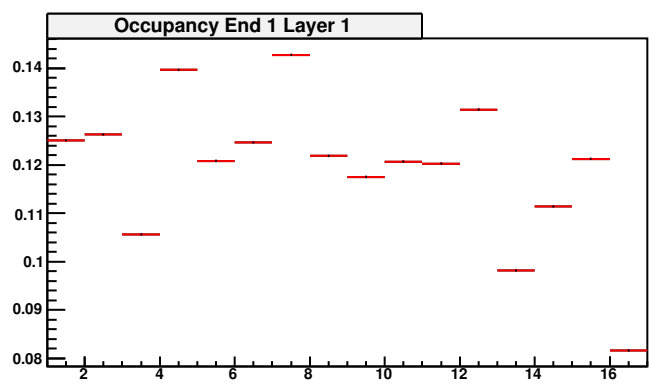
Muon Local Tracks (MediumFamus)

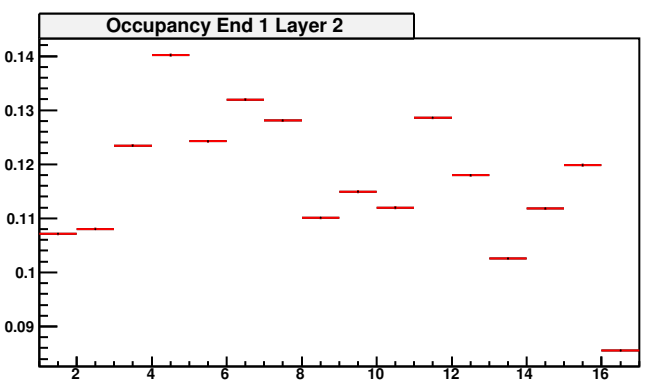


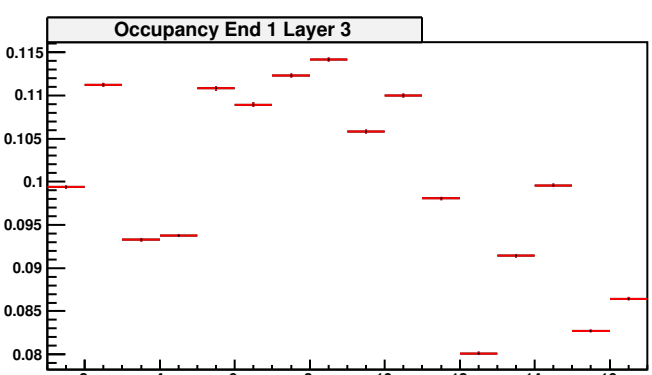


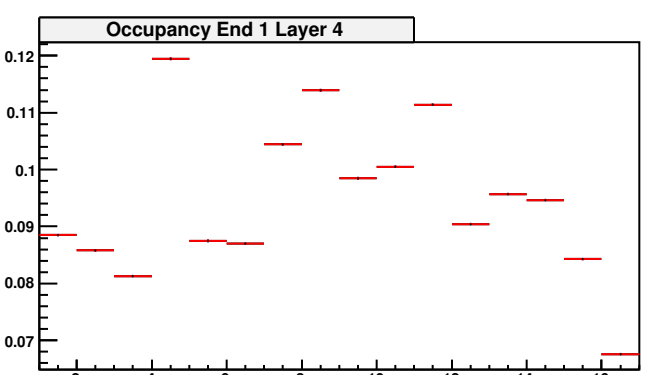




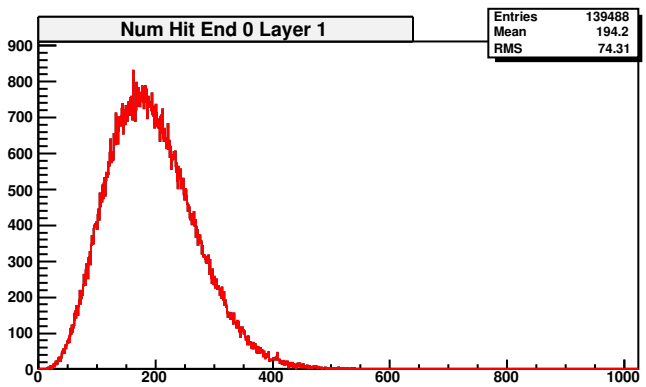


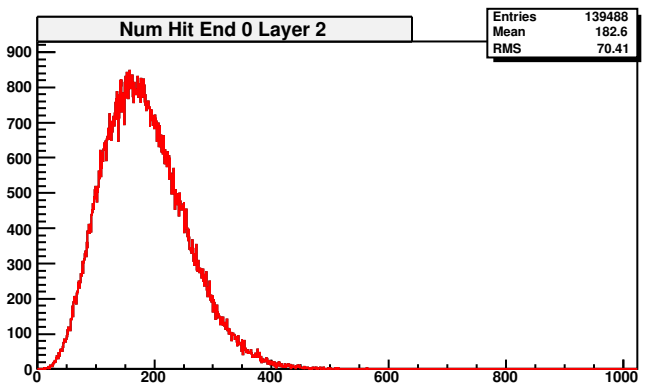


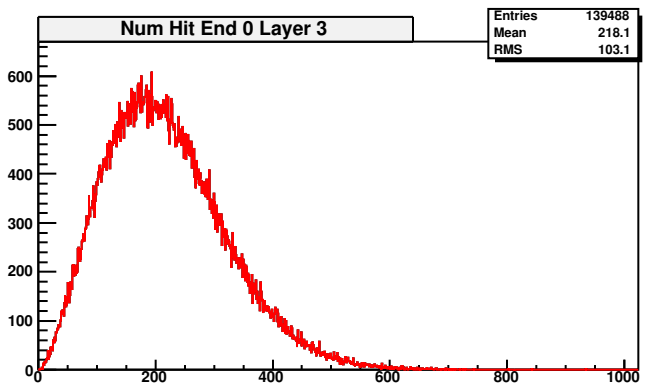


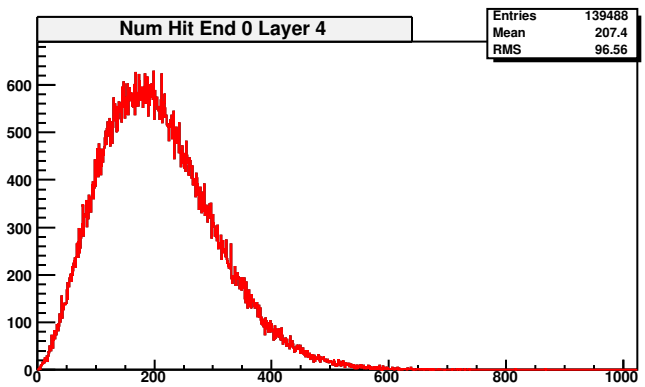


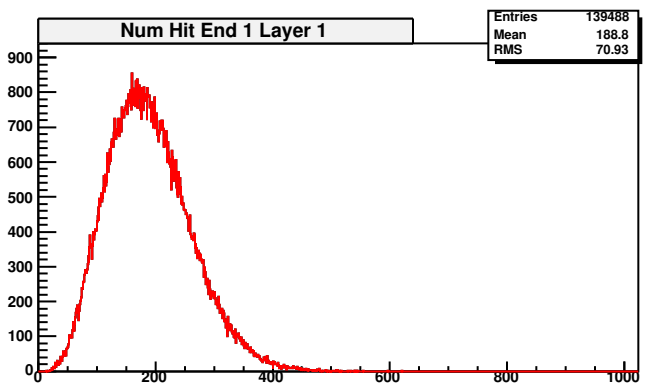
FPS Hit Occupancy (All)

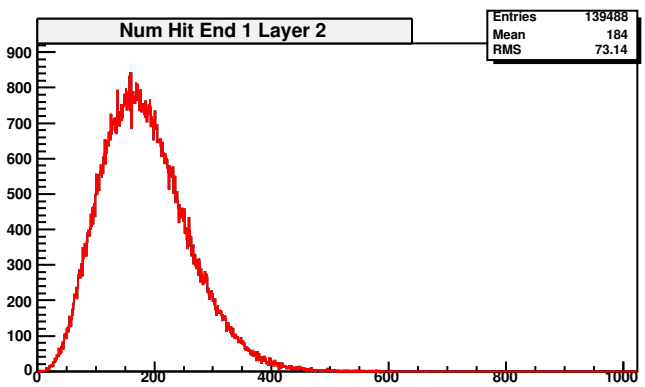


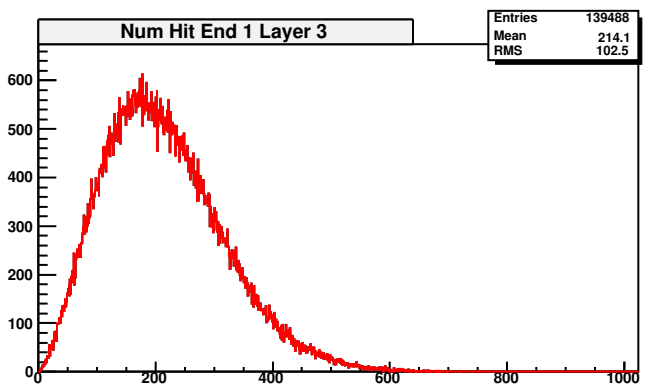


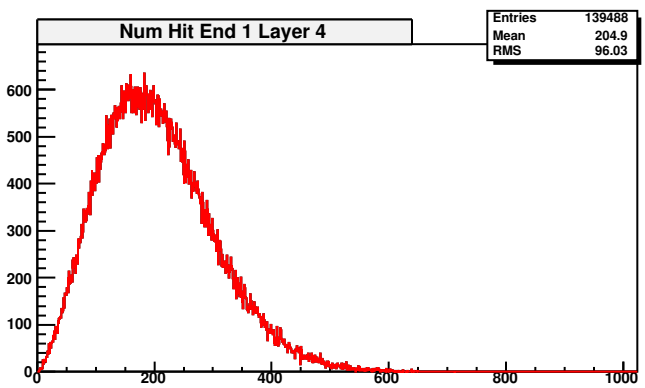




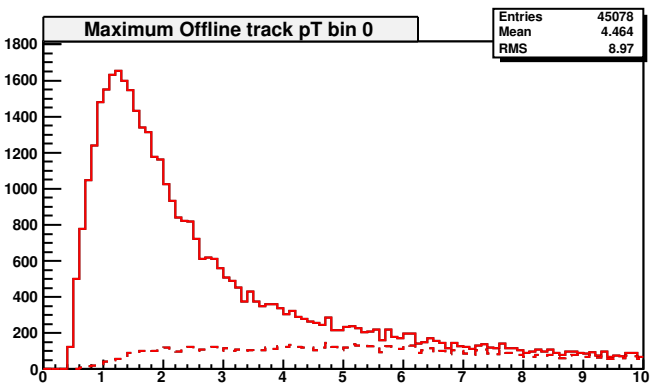


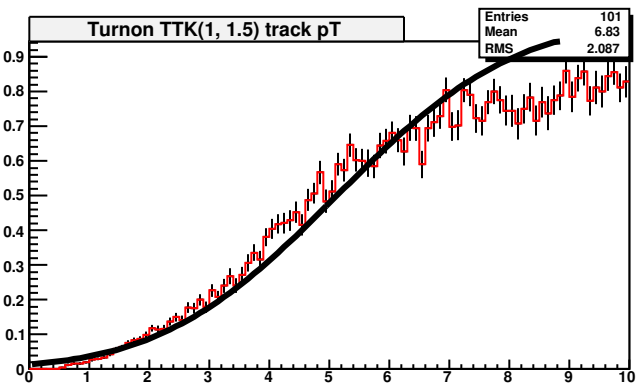


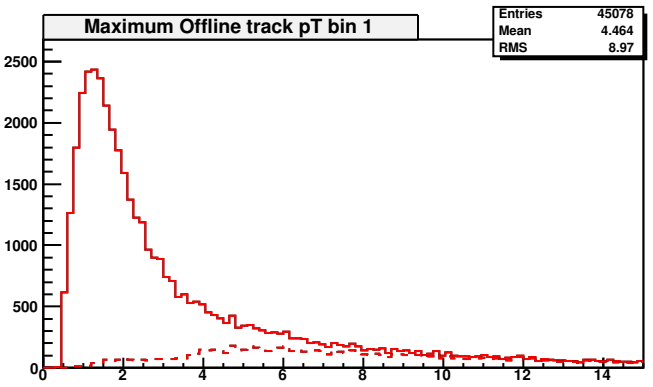


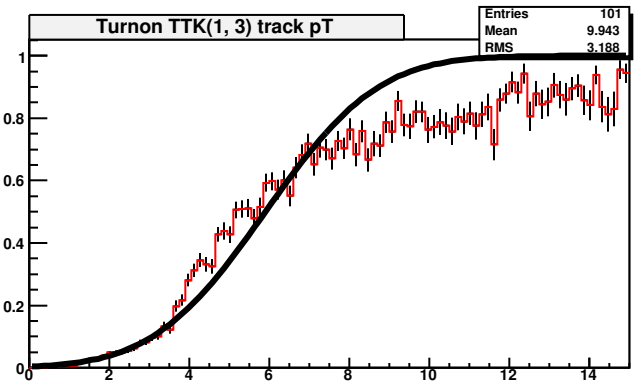


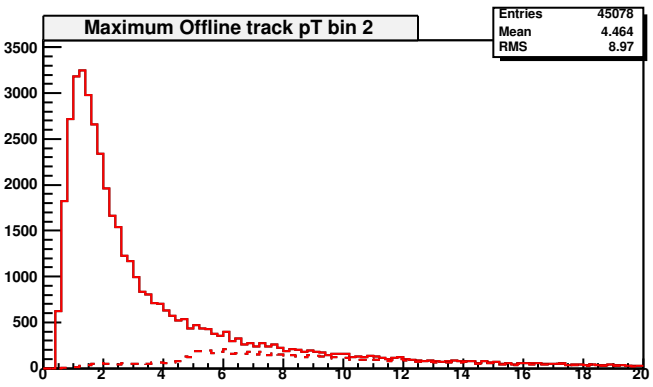
FPS Number of Hits (All)

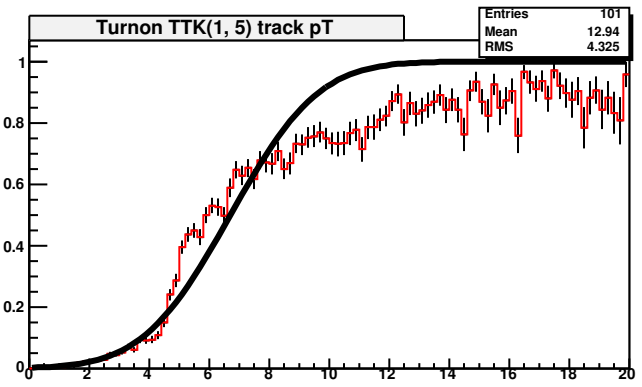


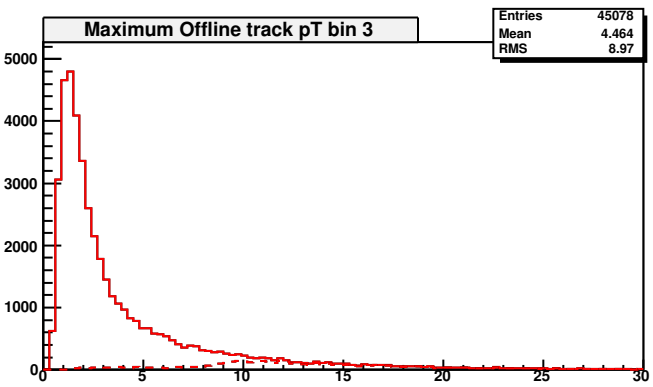


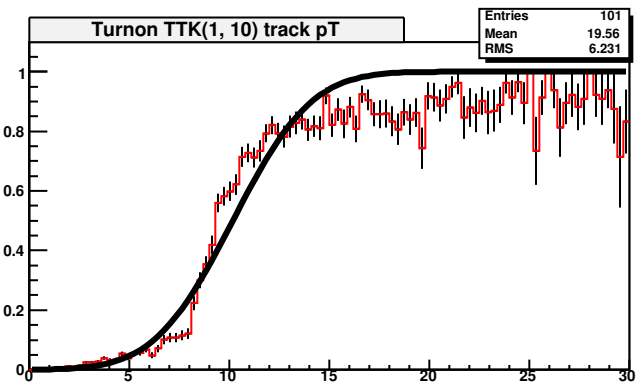




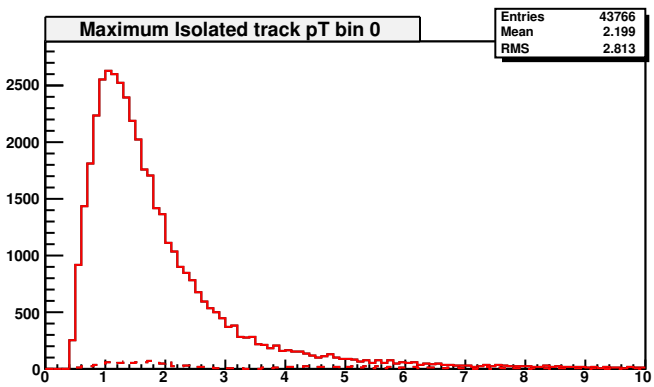


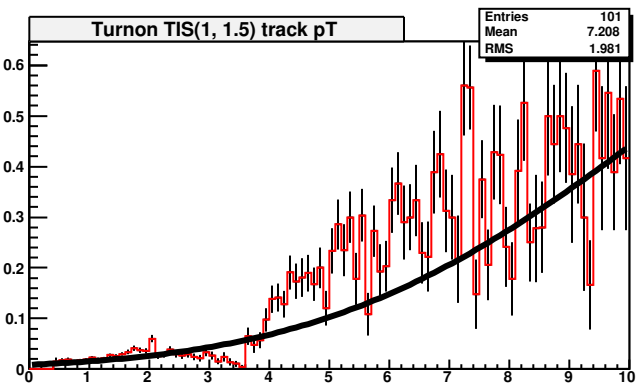


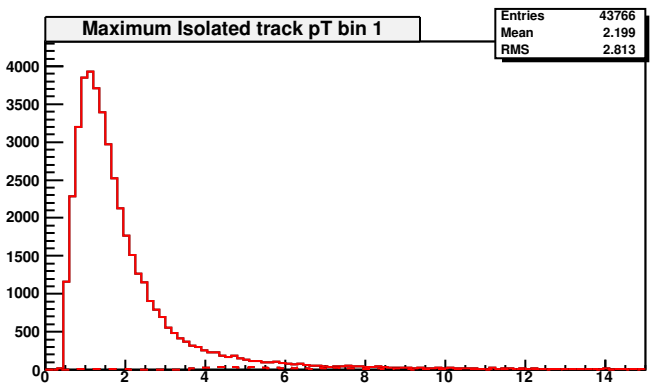


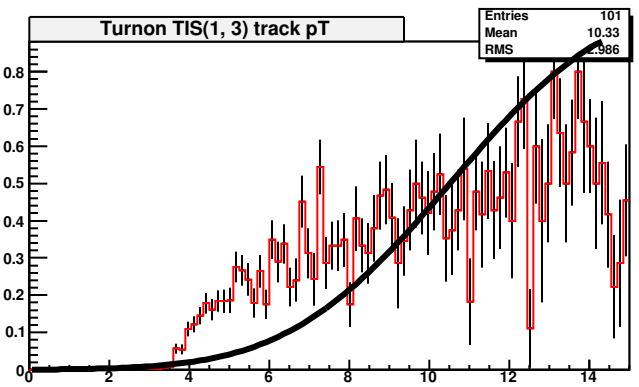


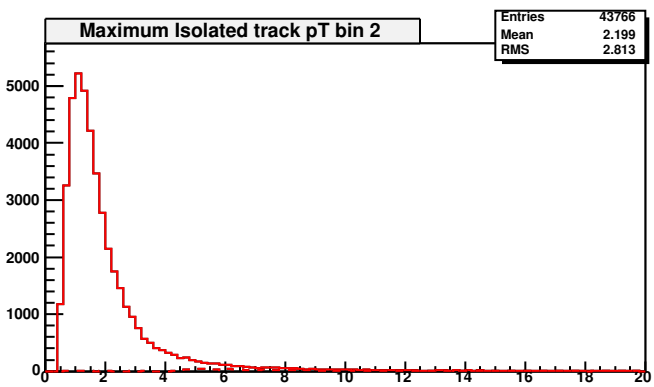
TTK Turnon curves (L1CTT All)

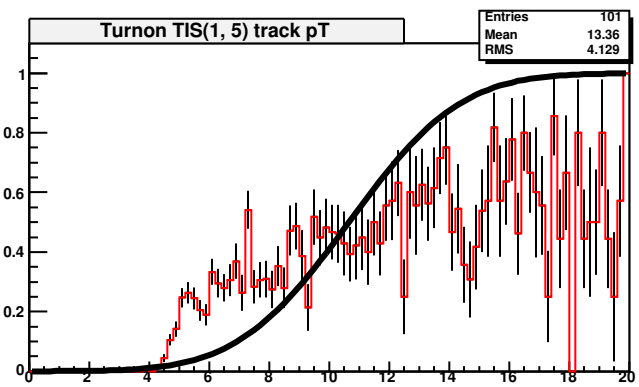


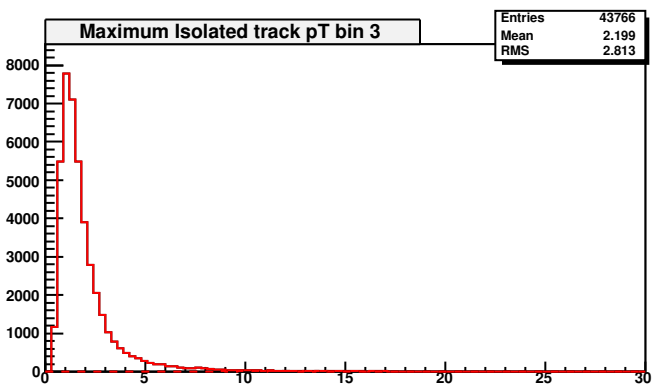


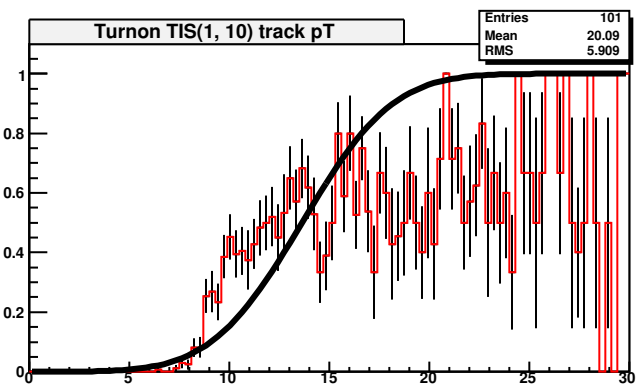




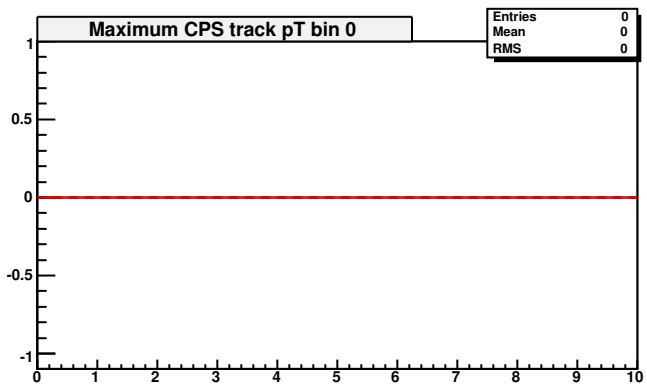


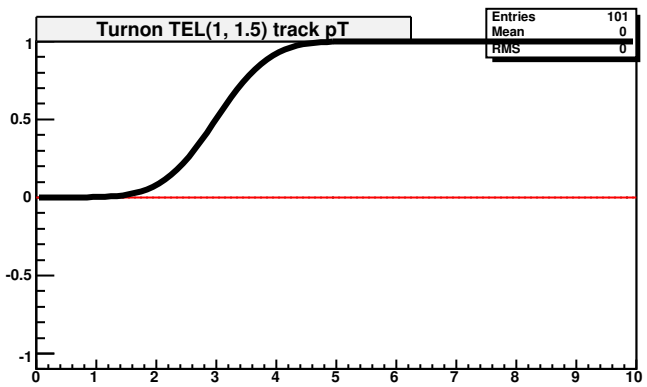


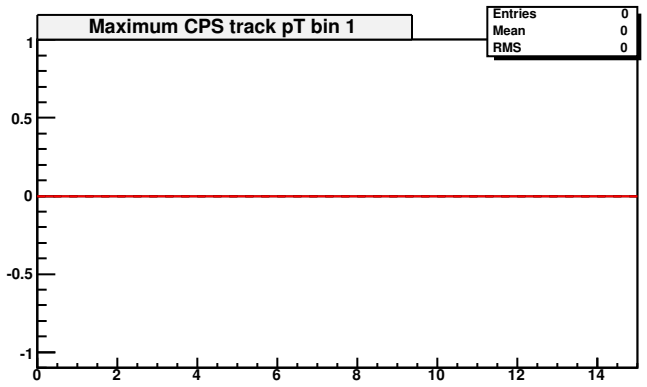


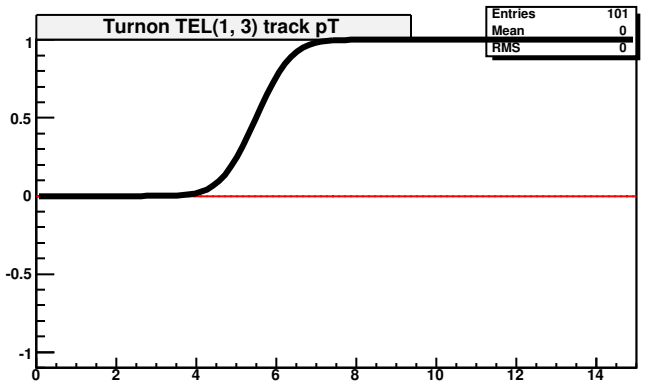


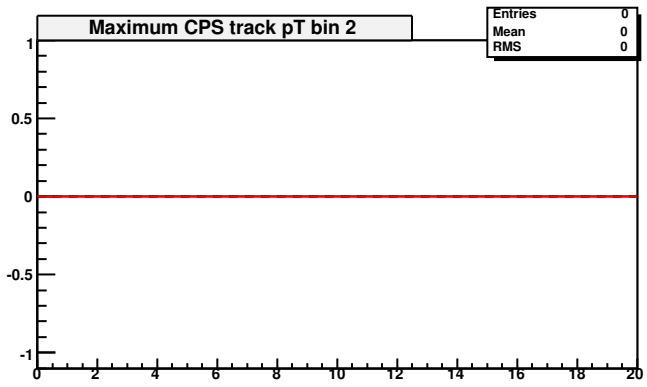
TIS Turnon curves (L1CTT All)

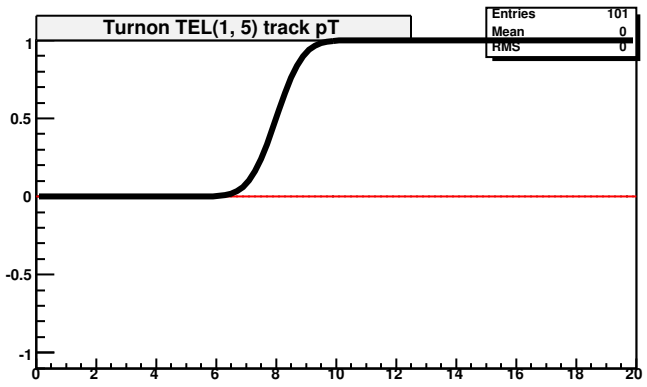


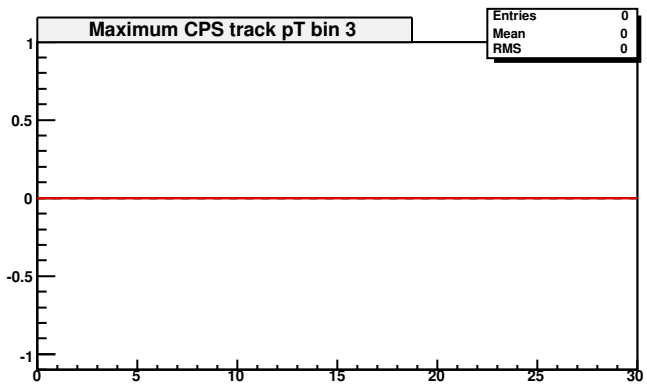


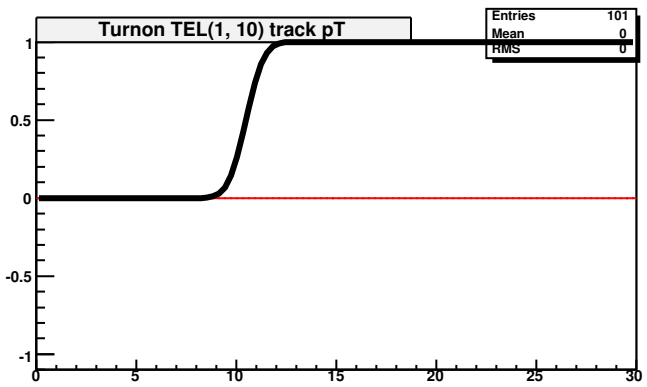




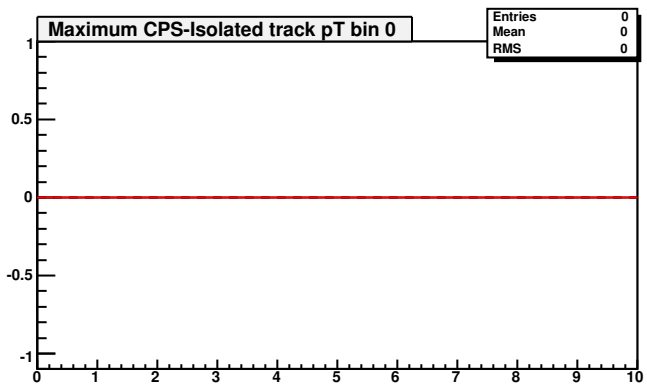


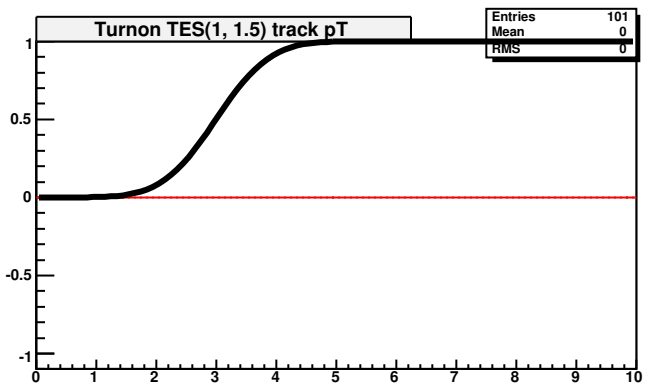


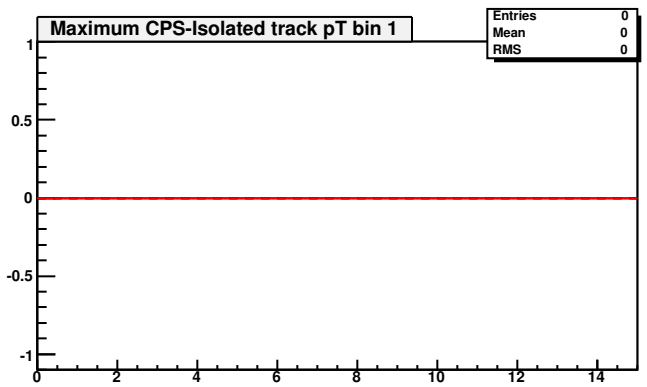


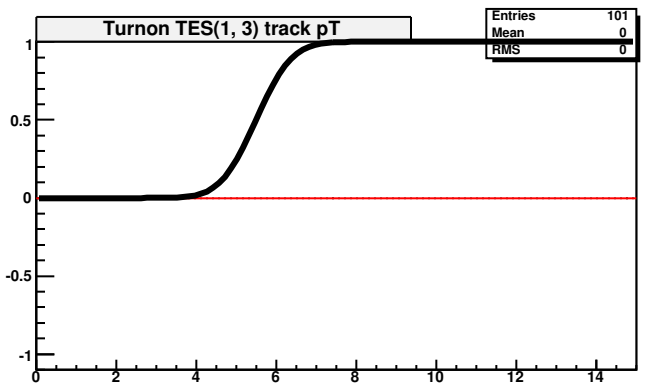


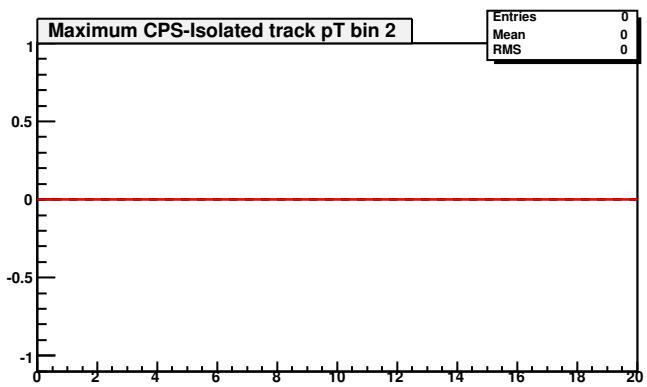
TEL Turnon curves (L1CTT All)

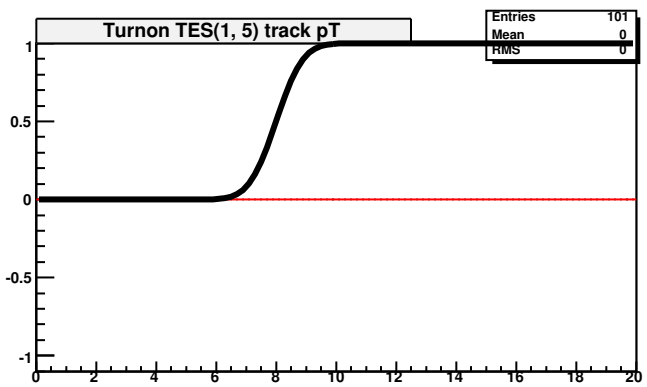


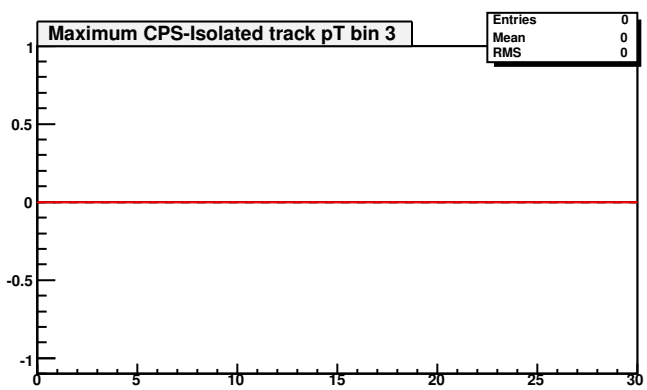


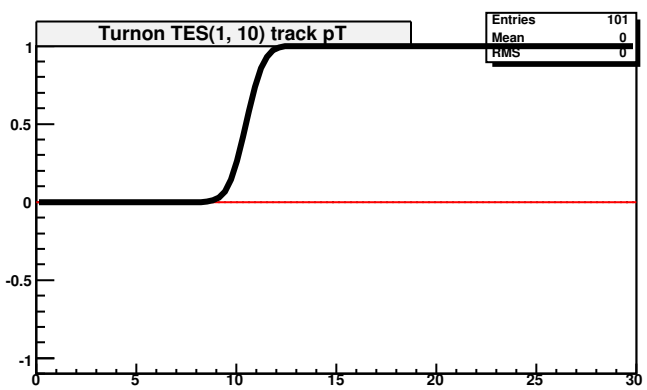




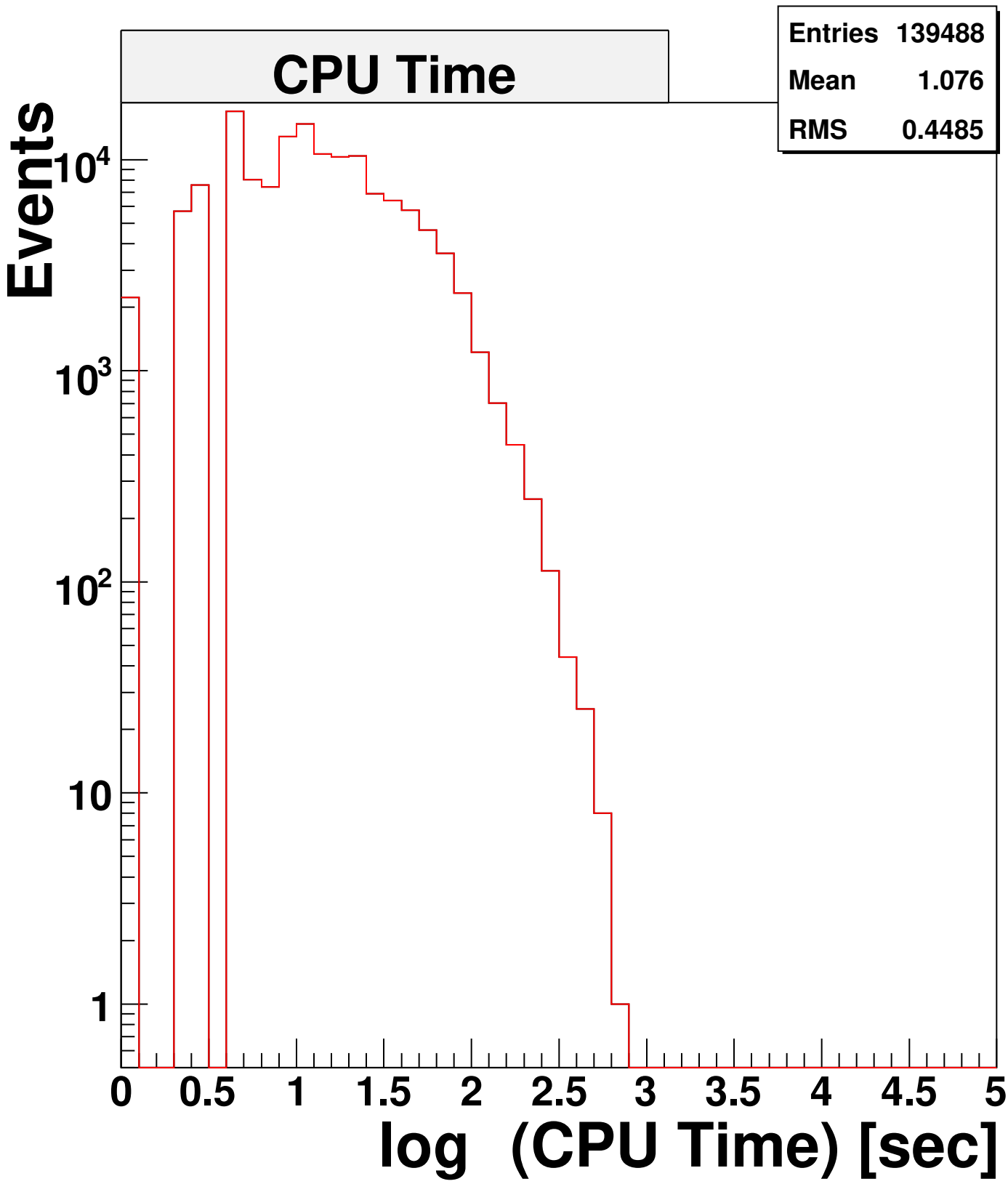








TES Turnon curves (L1CTT All)



RECO Performance (Timing)