dayset-2006-08-27-all_4-224620-1_certification_20070
../unmerged/dayset-2006-08-27-all_4-224620-1_certific

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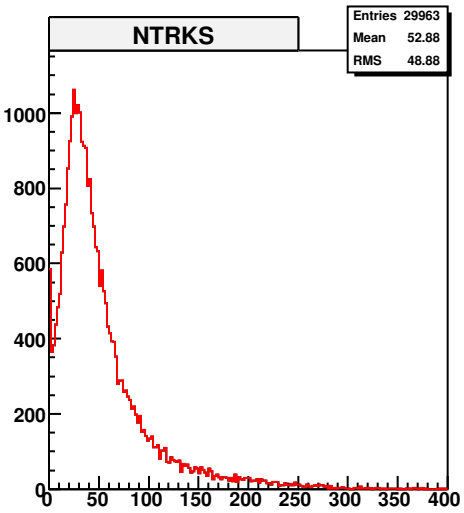
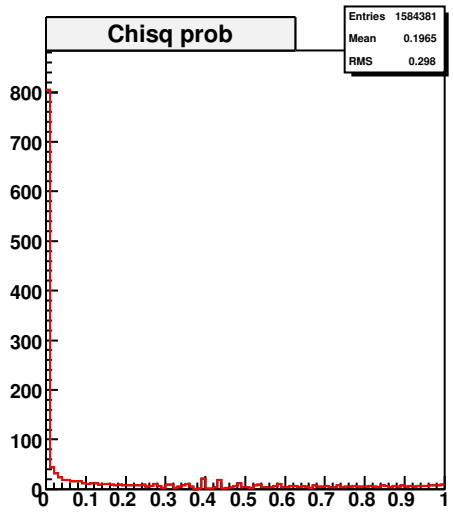
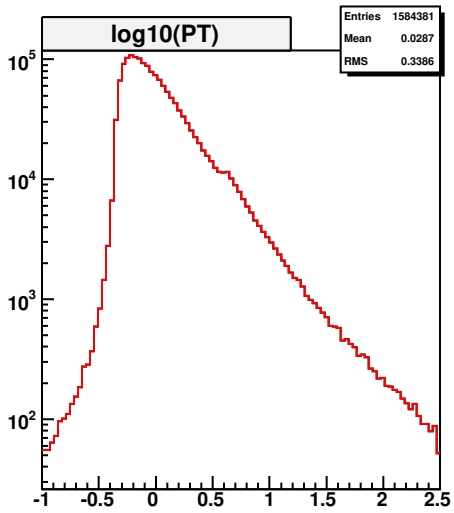
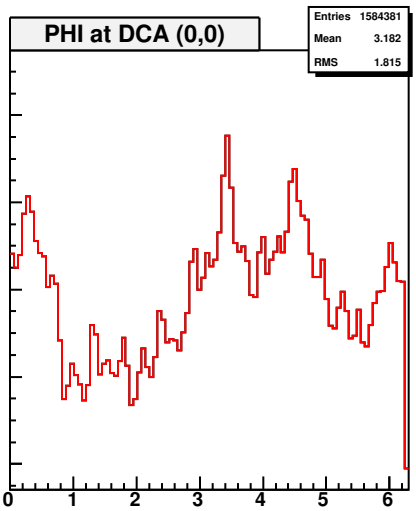
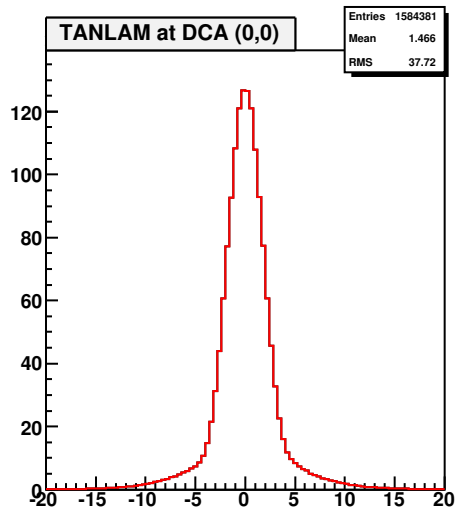
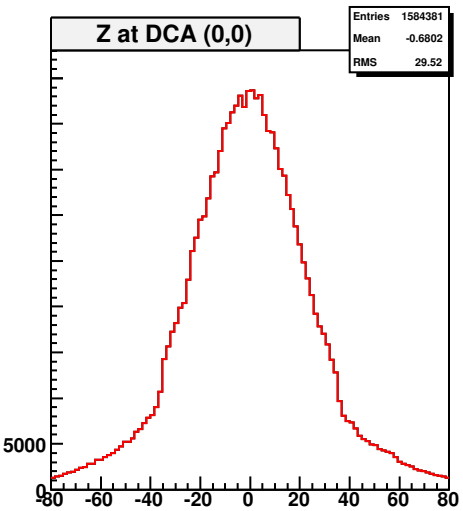

NTRKS
Entries 29963
Mean 52.88
RMS 48.88

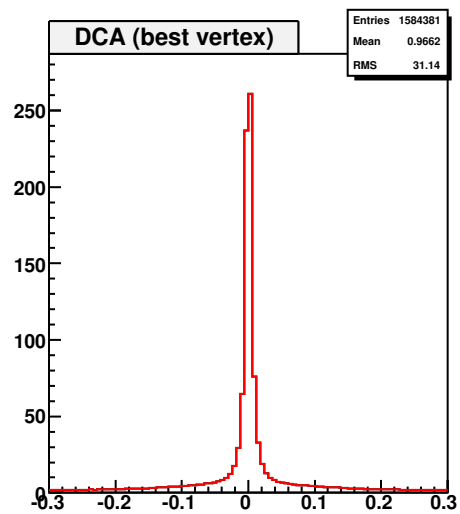

Chisq prob
Entries 1584381
Mean 0.1965
RMS 0.298

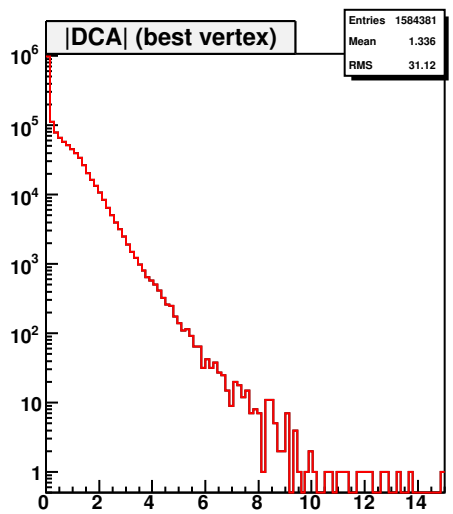

log10(PT)
Entries 1584381
Mean 0.0287
RMS 0.3386

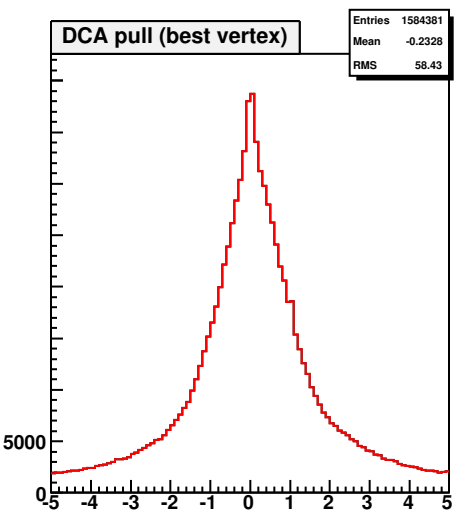

PHI at DCA (0,0)
Entries 1584381
Mean 3.182
RMS 1.815


TANLAM at DCA (0,0)
Entries 1584381
Mean 1.466
RMS 37.72

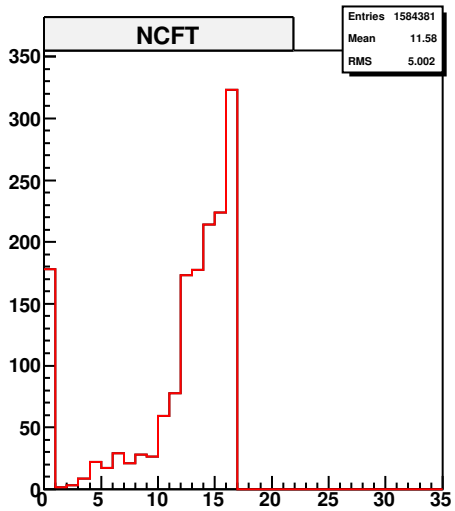

Z at DCA (0,0)
Entries 1584381
Mean -0.6802
RMS 29.52

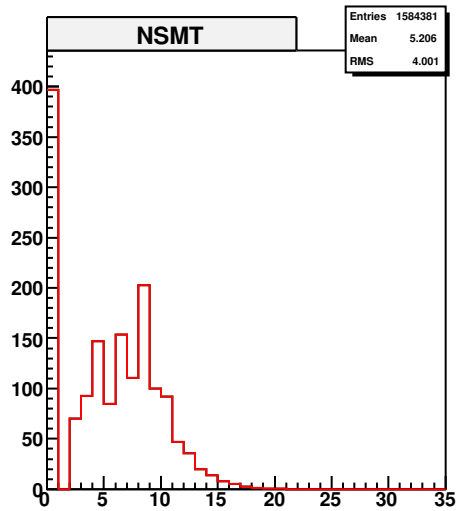

DCA (best vertex)
Entries 1584381
Mean 0.9662
RMS 31.14

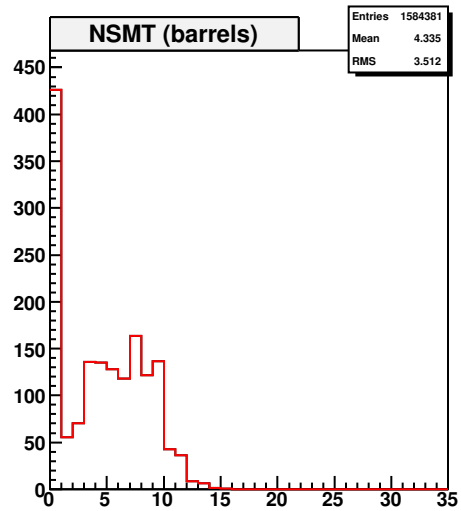

|DCA| (best vertex)
Entries 1584381
Mean 1.336
RMS 31.12

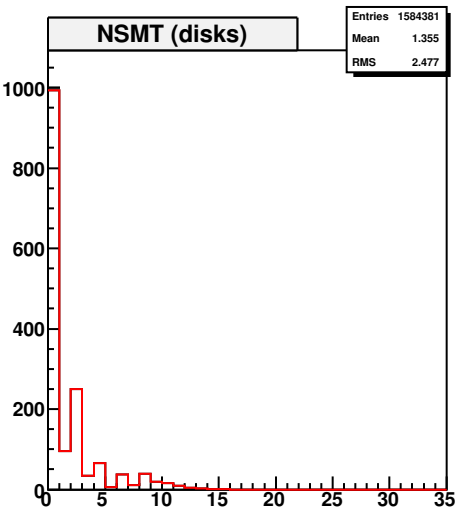

DCA pull (best vertex)
Entries 1584381
Mean -0.2328
RMS 58.43

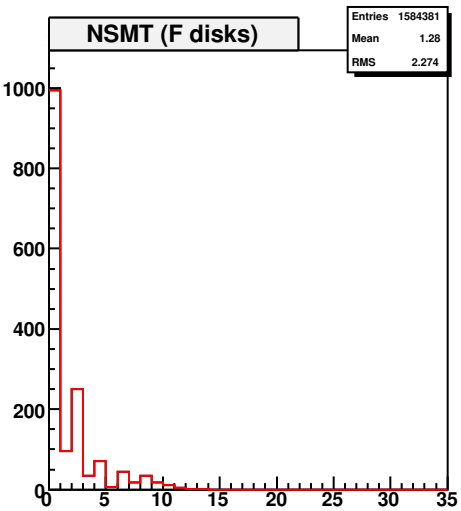
Tracks (All)

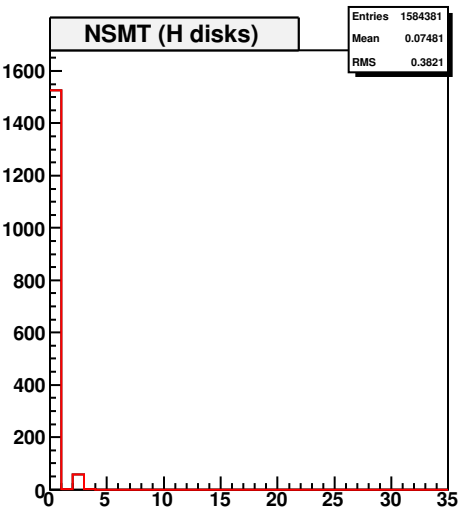


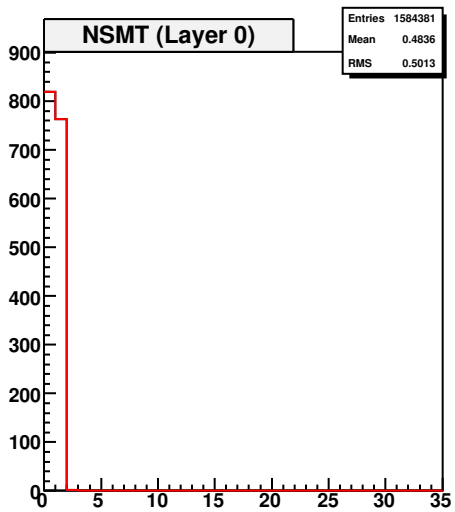




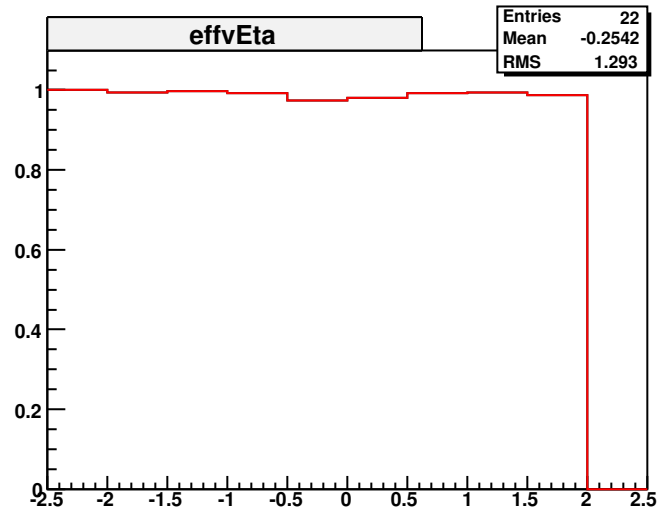


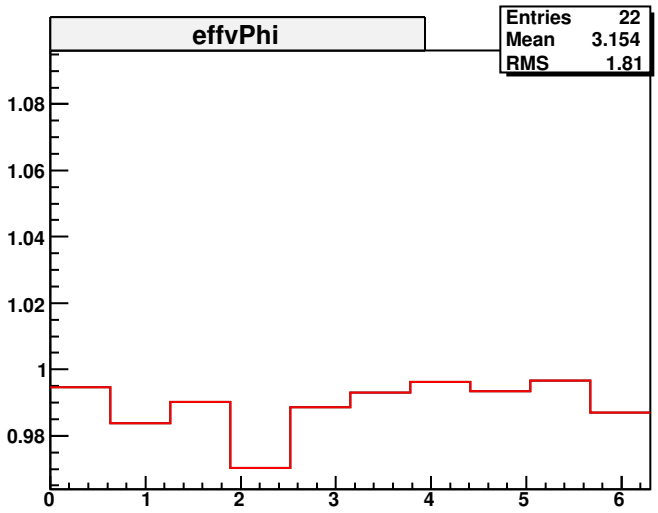


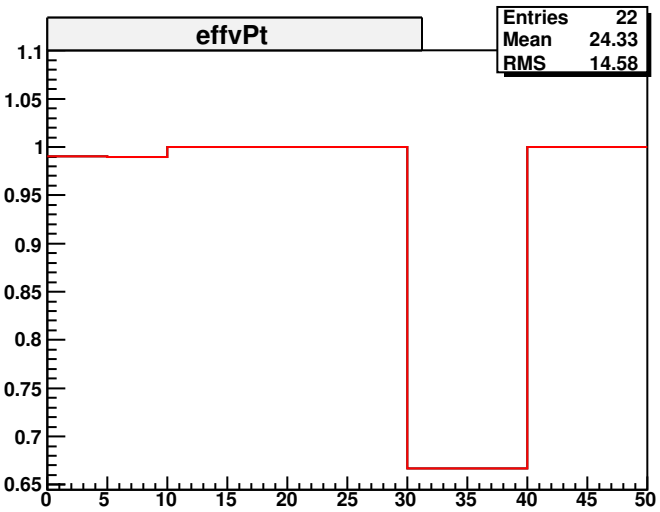


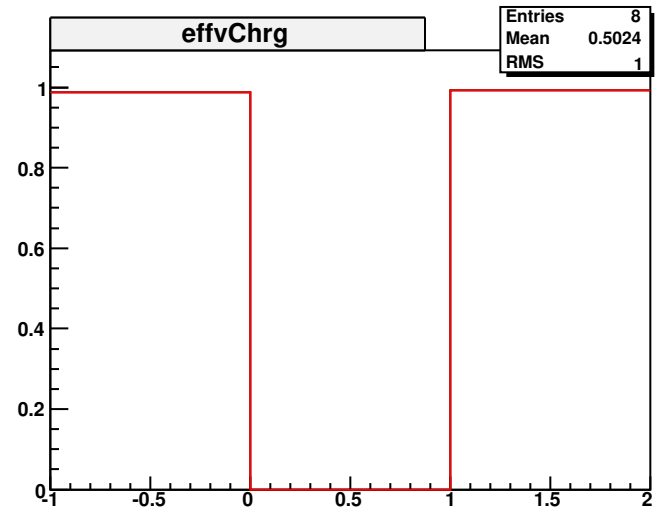


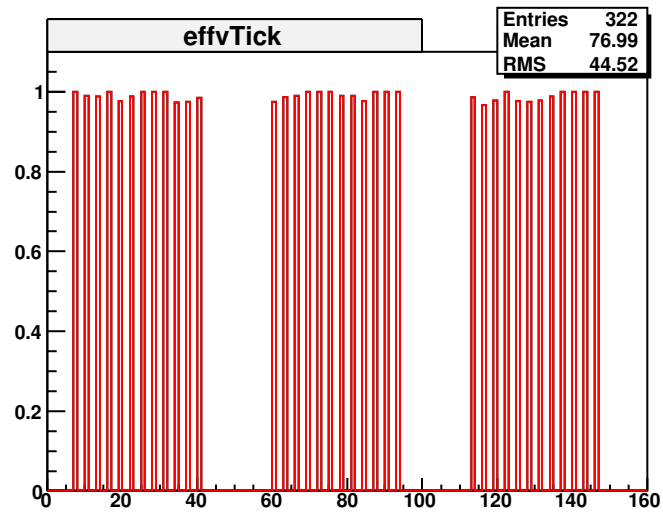
Track Hits (All)

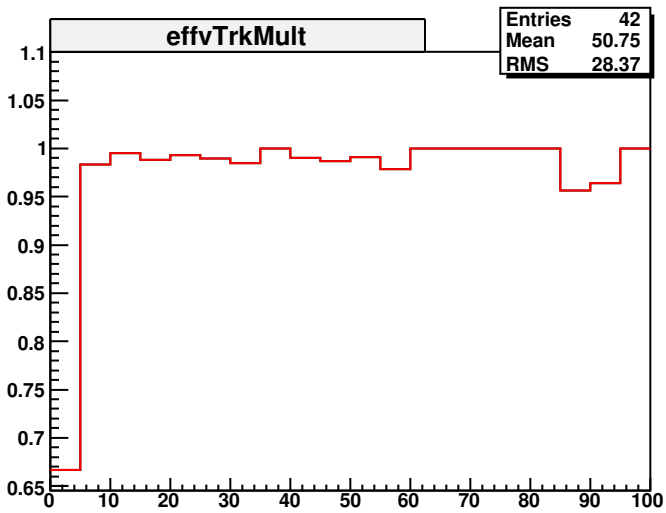




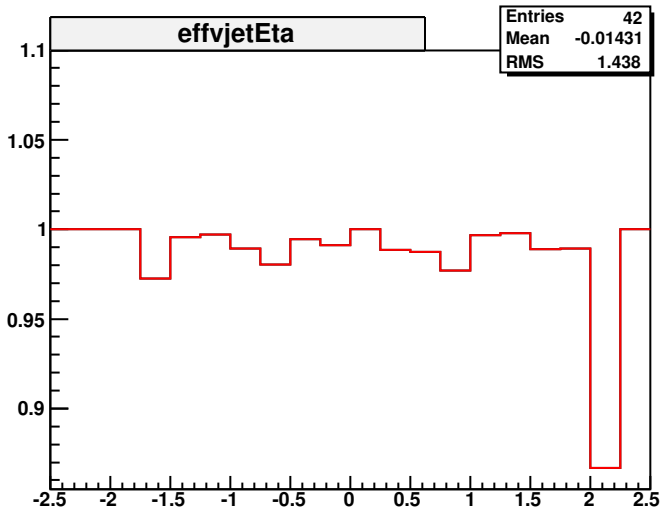


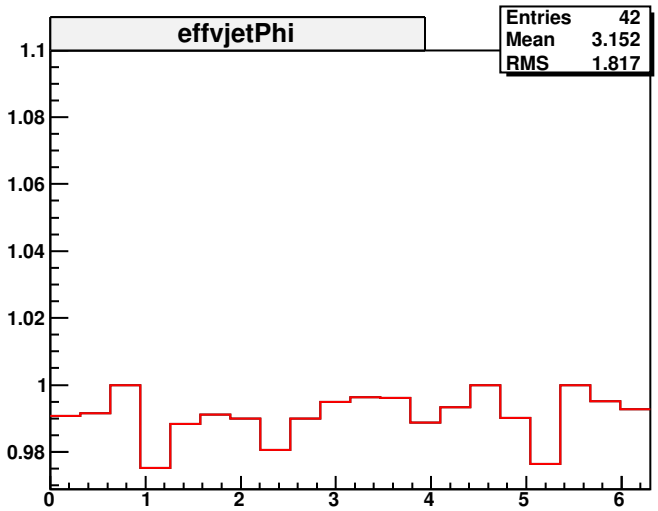


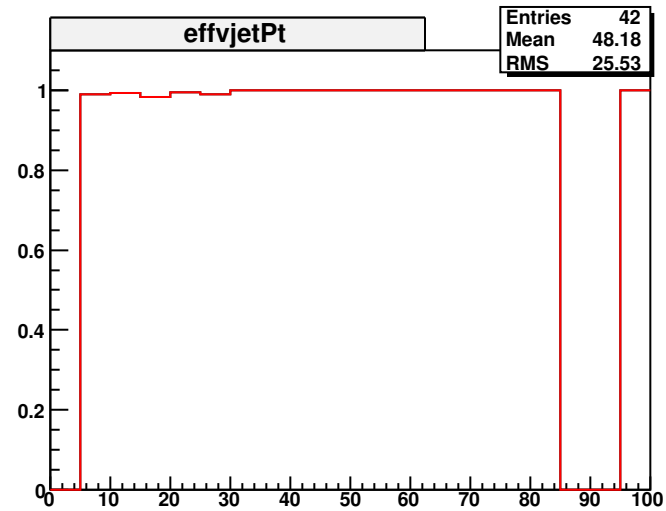




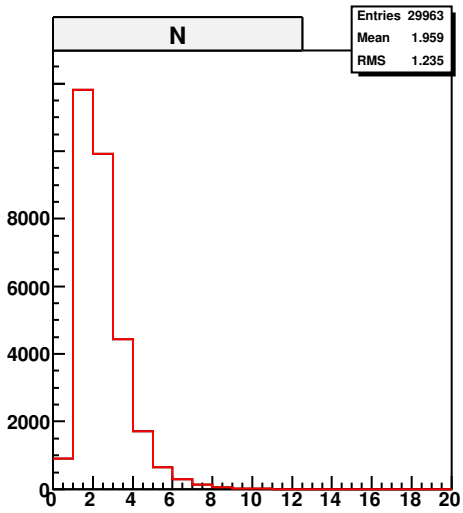
Tracking (Efficiency-Isolated)

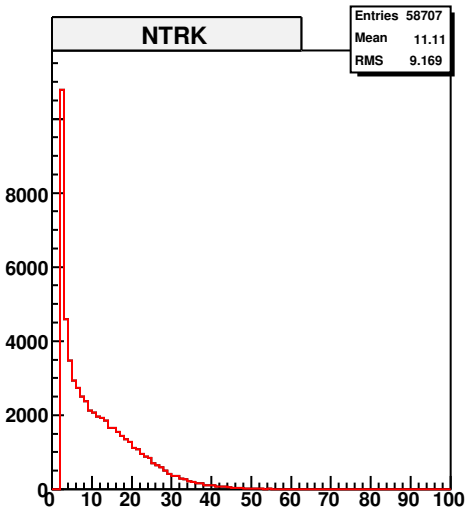


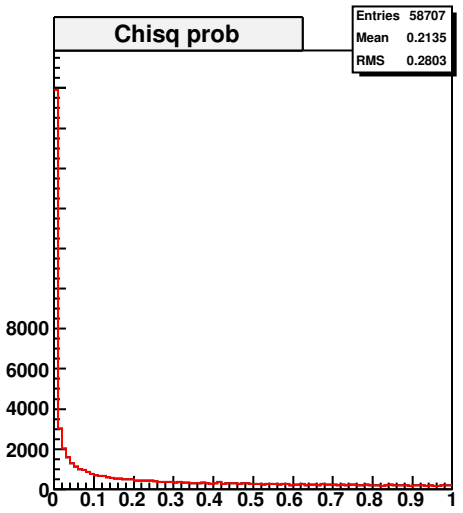


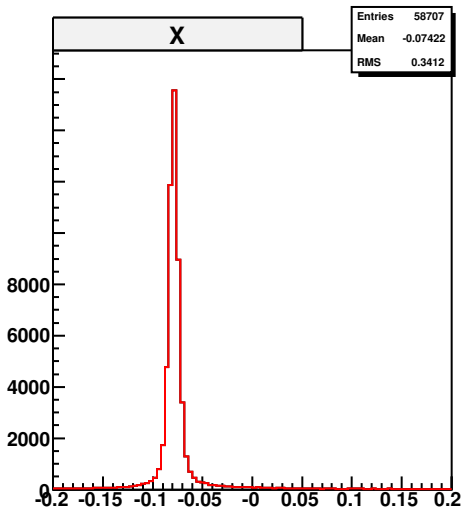


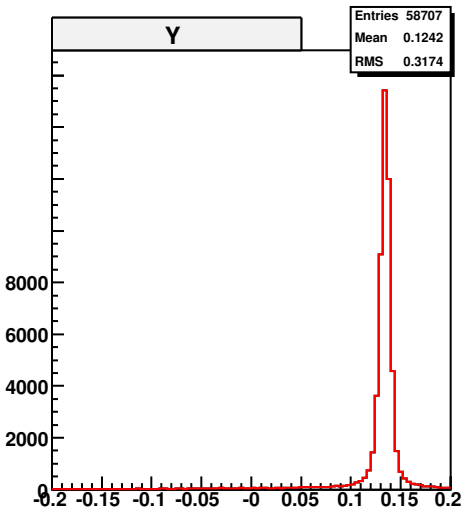
Tracking (Efficiency-InJets)

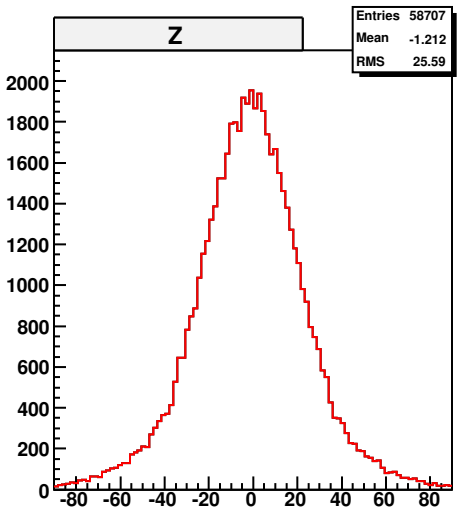




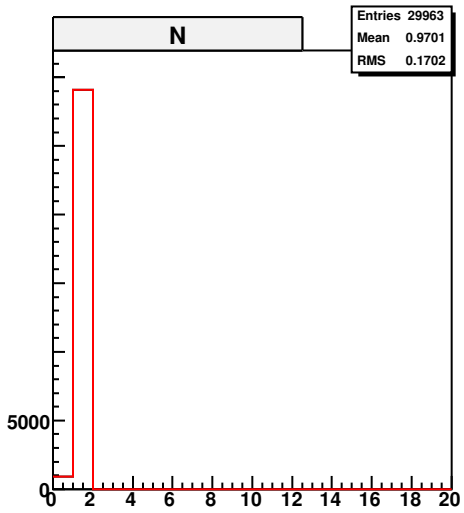


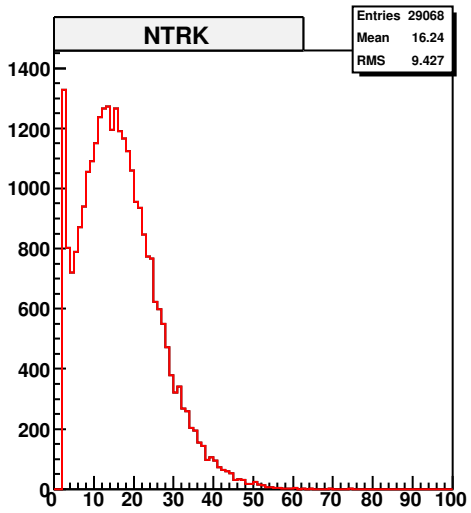


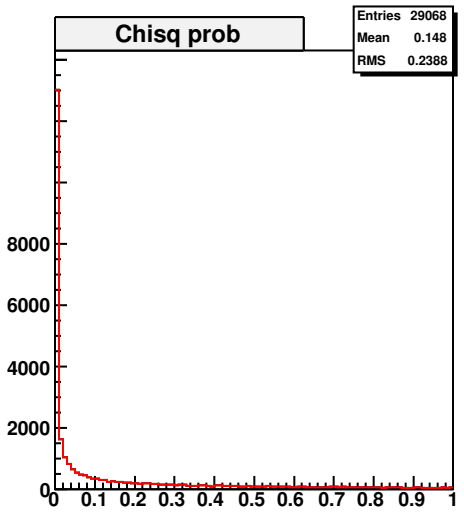


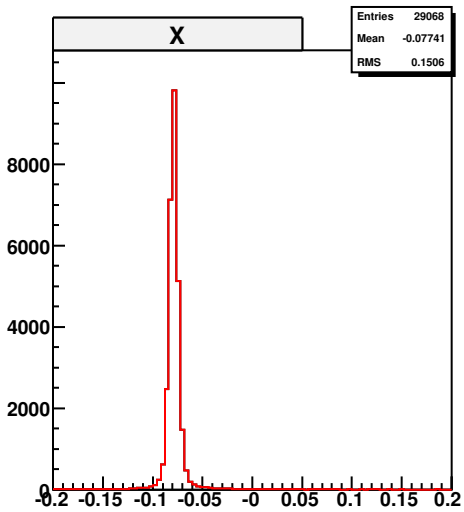


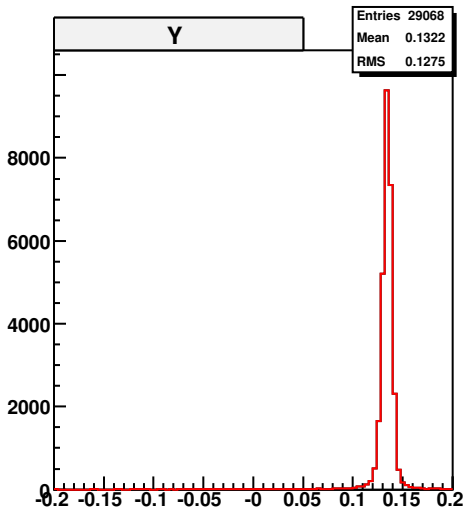
Vertices (Primary - all candidates)

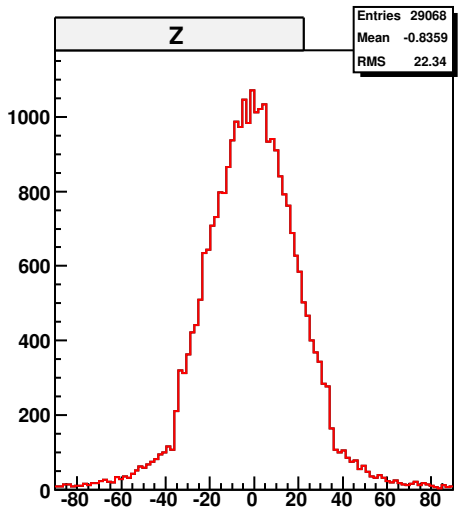




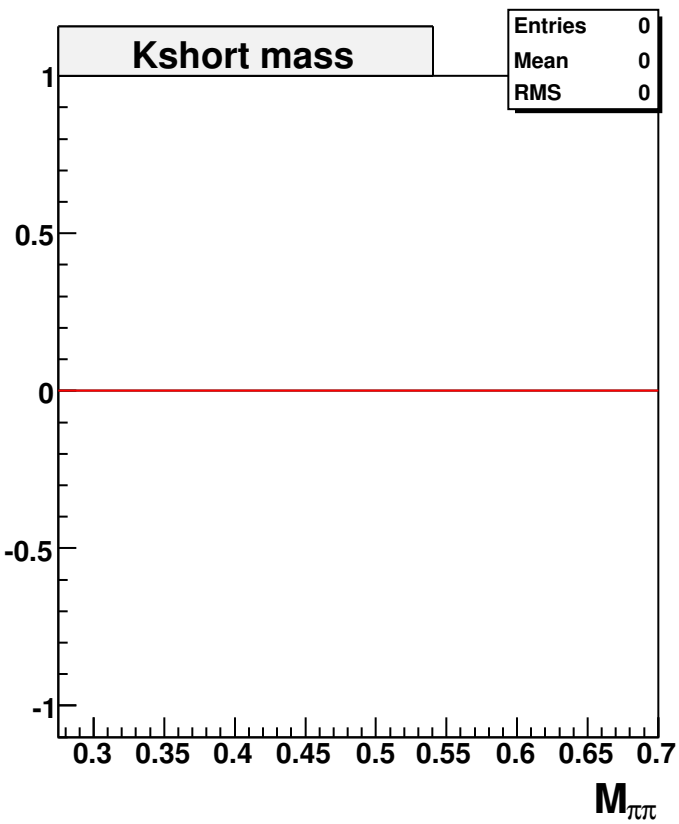


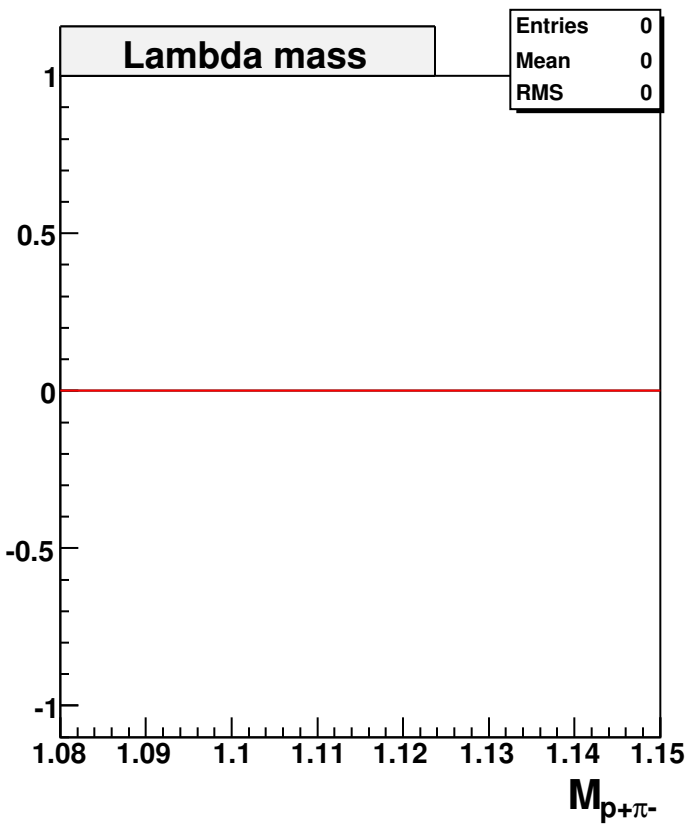


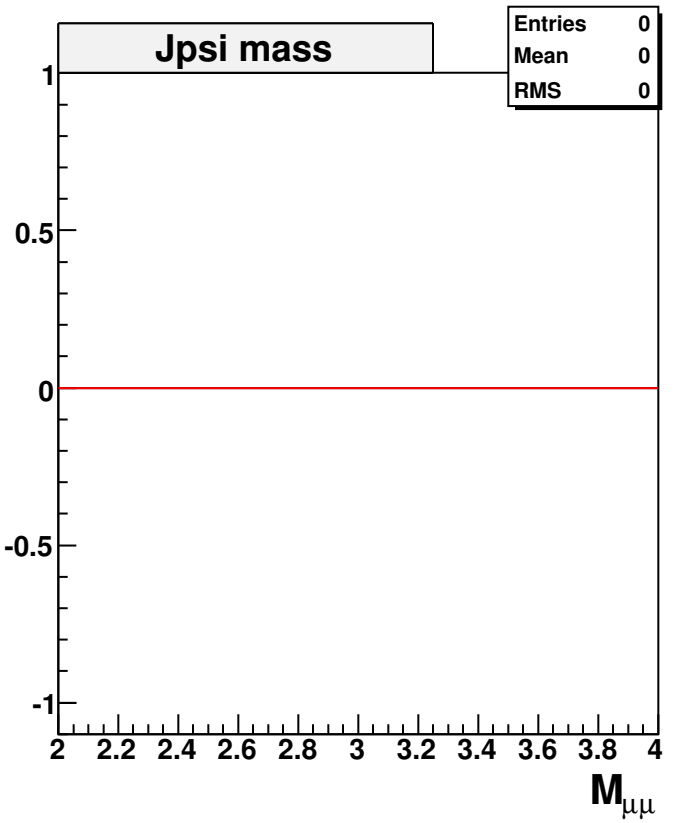


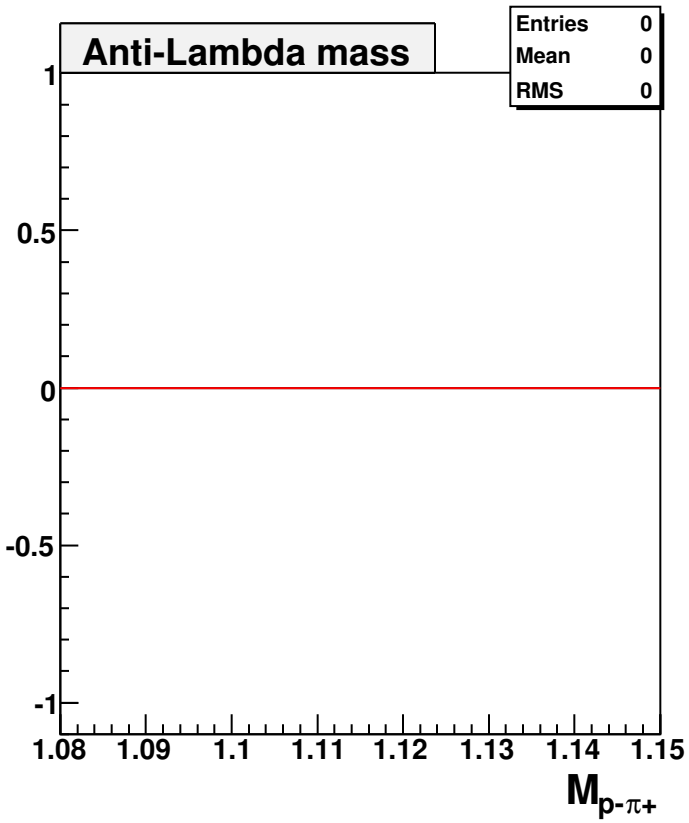


Vertices (Primary - best)

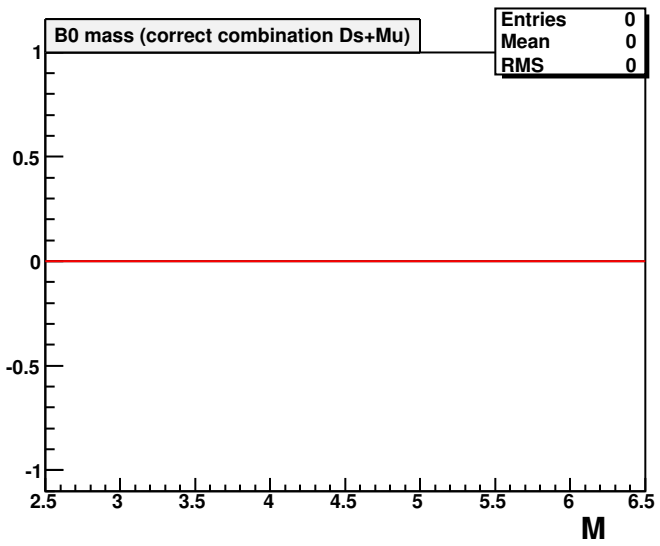

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

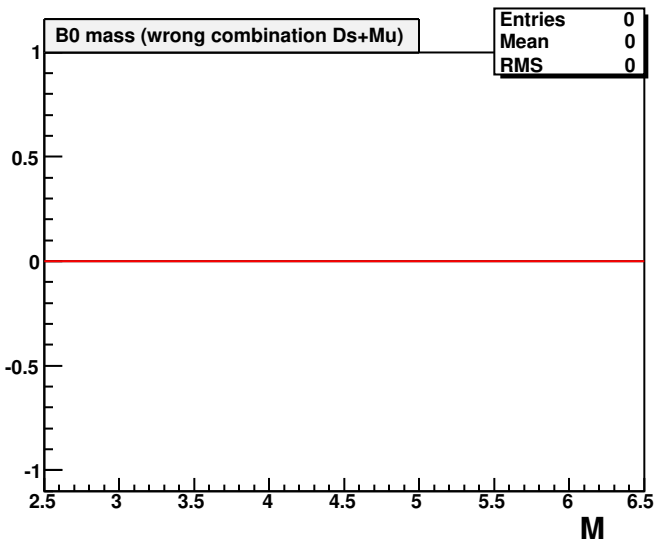

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

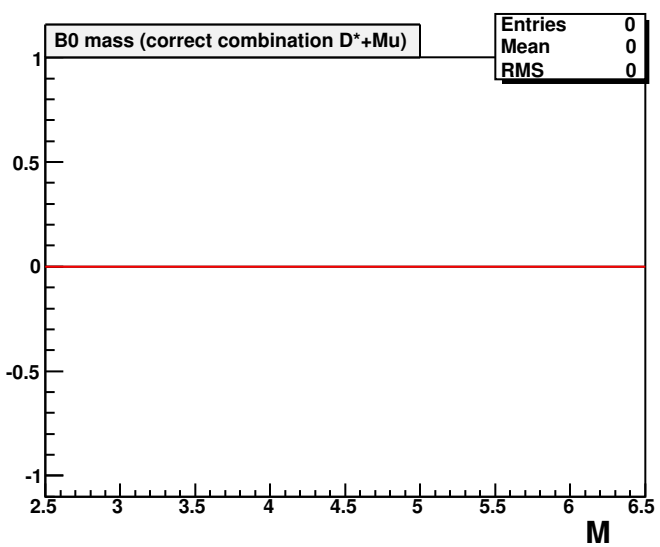

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

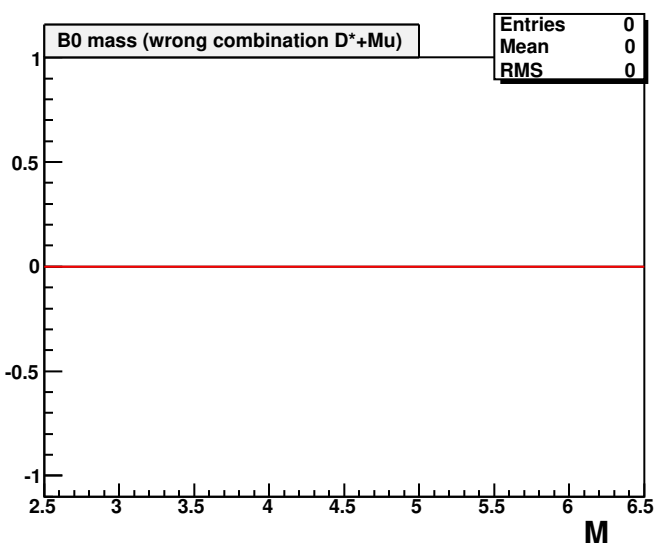

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

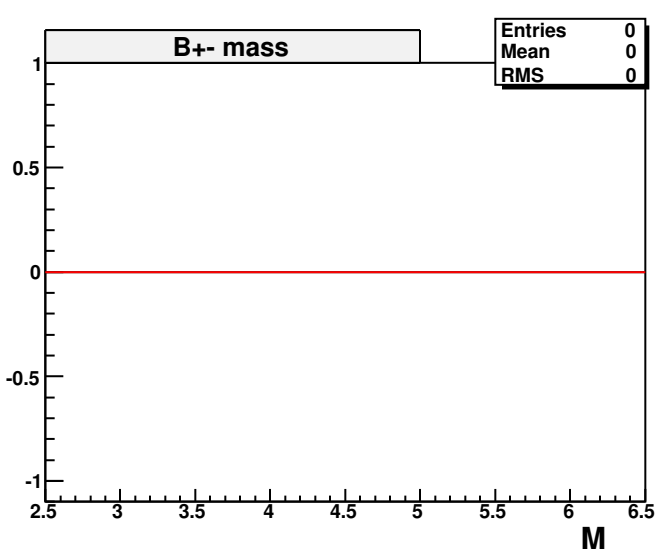
V0 (All)



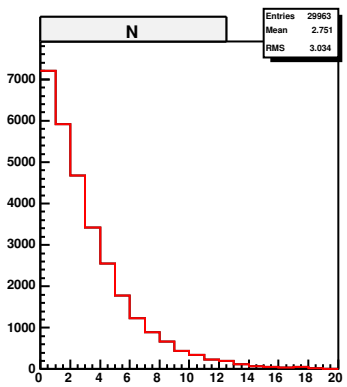


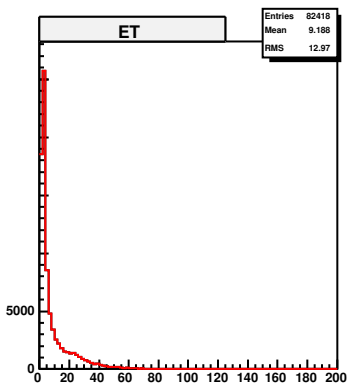


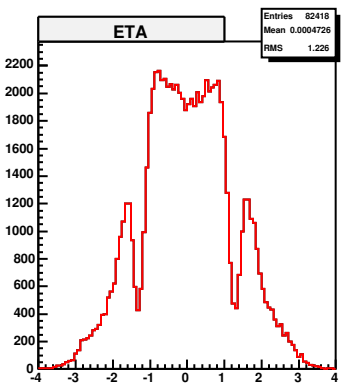


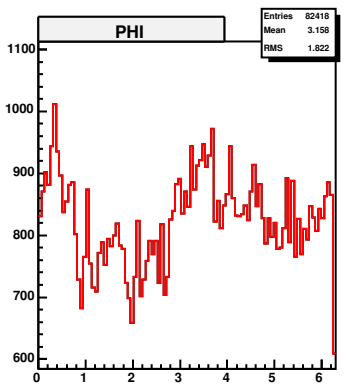


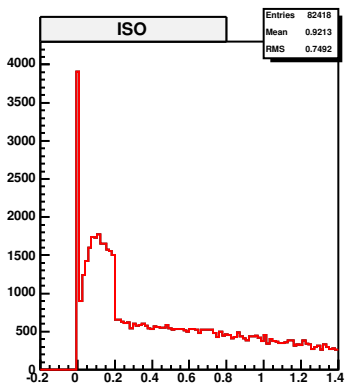
V0(B mesons) (All)

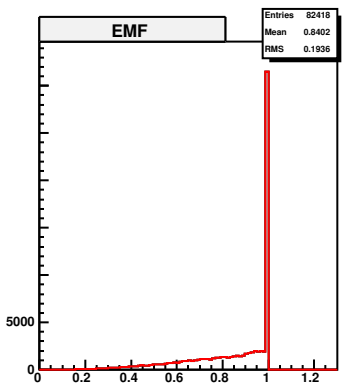


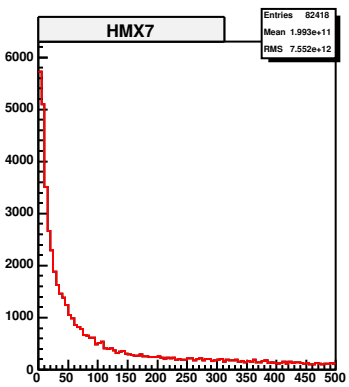


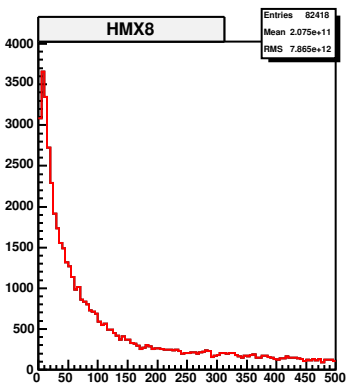


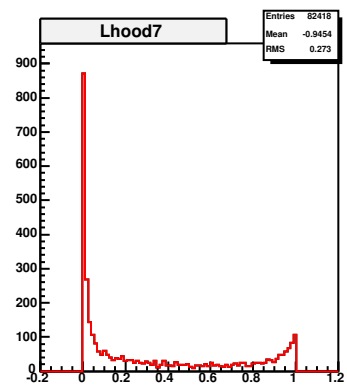


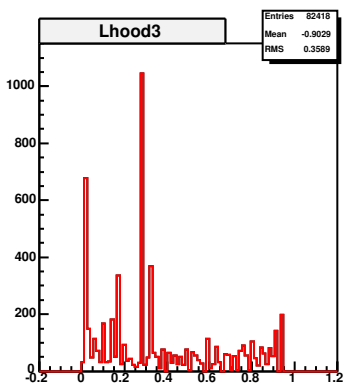


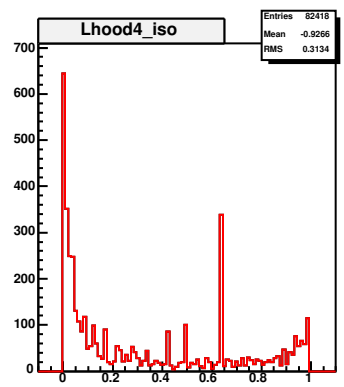


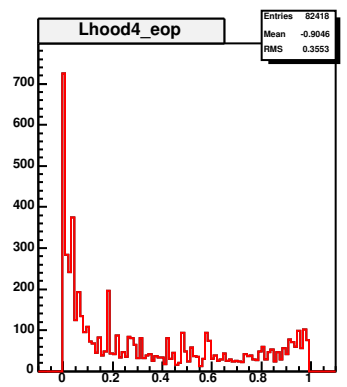


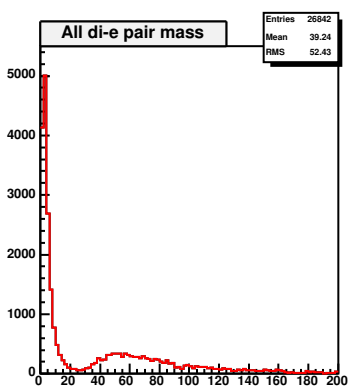


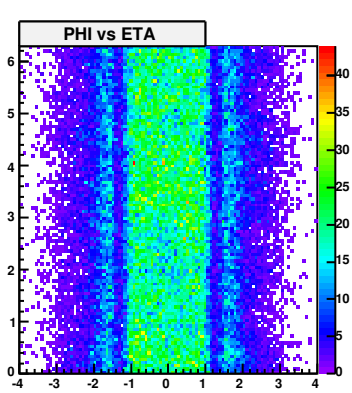


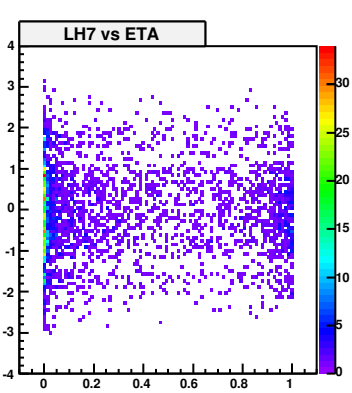


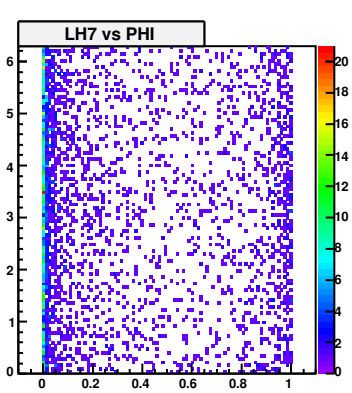




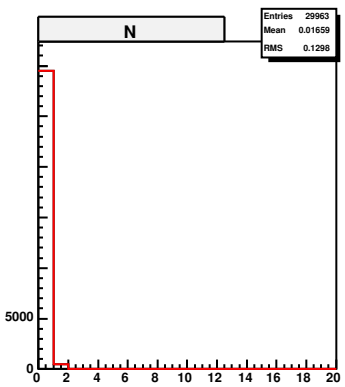


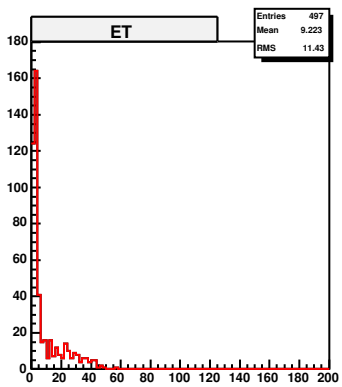


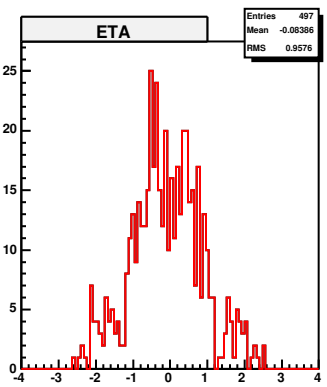


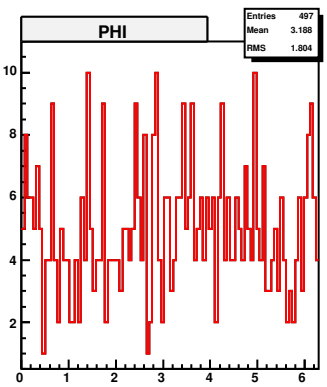


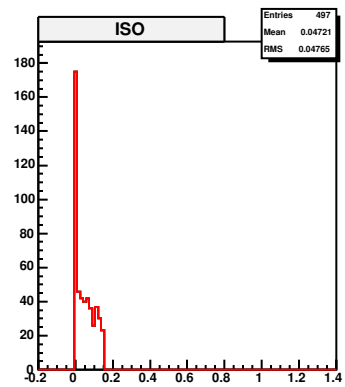
Electrons (SCONE All)

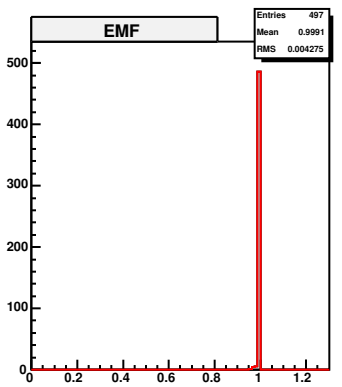


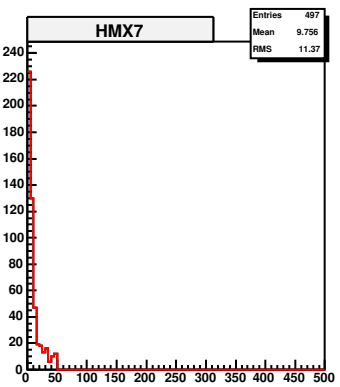


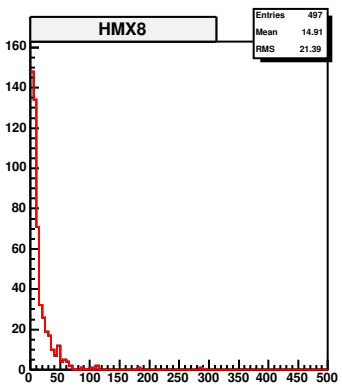


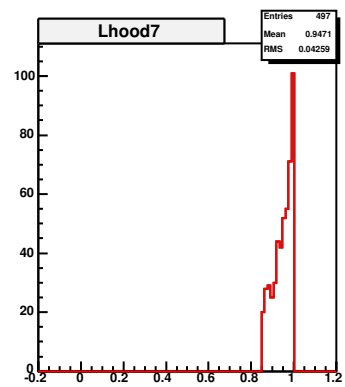


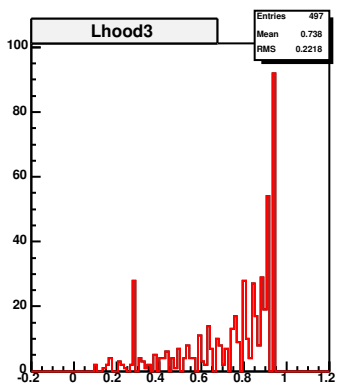


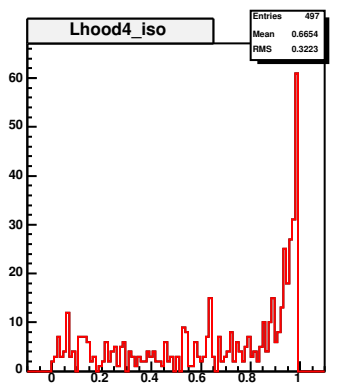


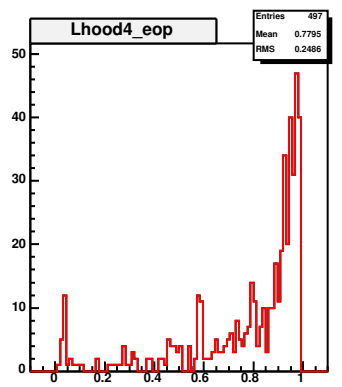


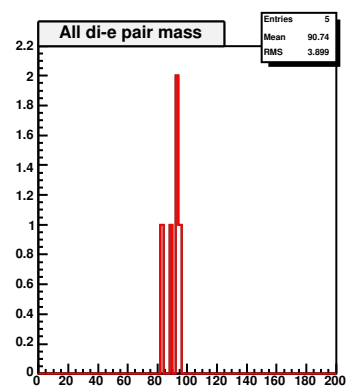


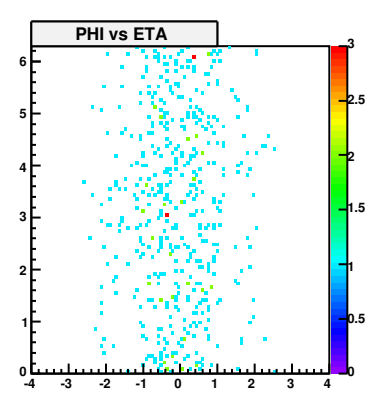


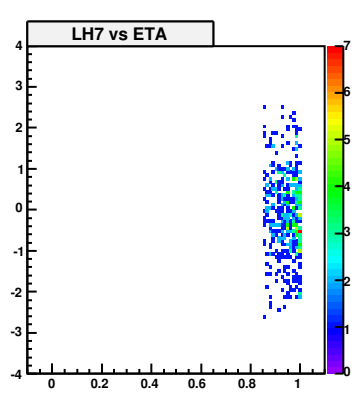


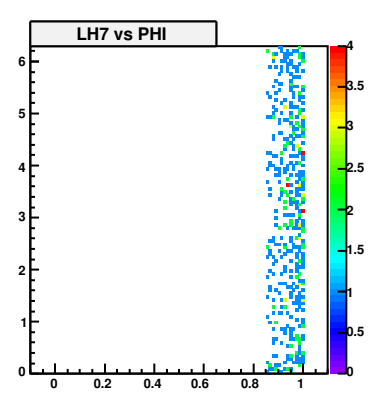




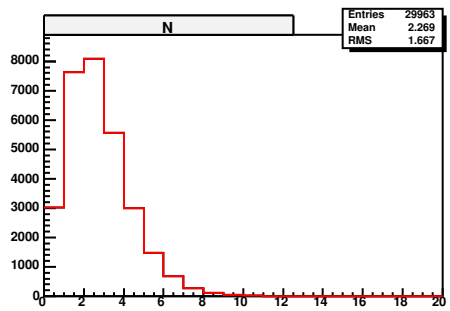


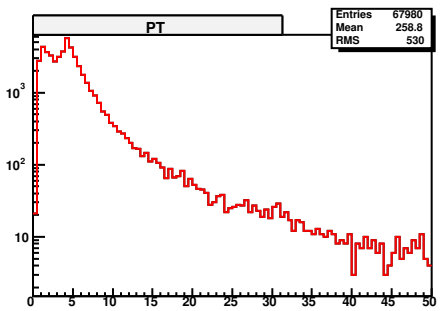


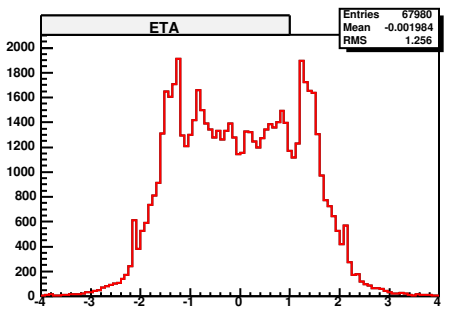


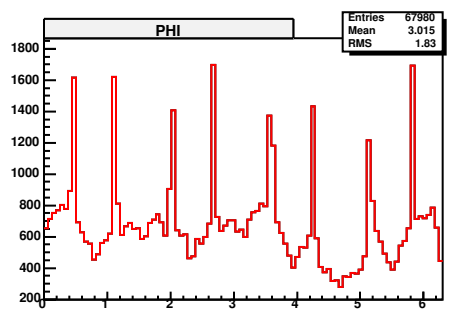


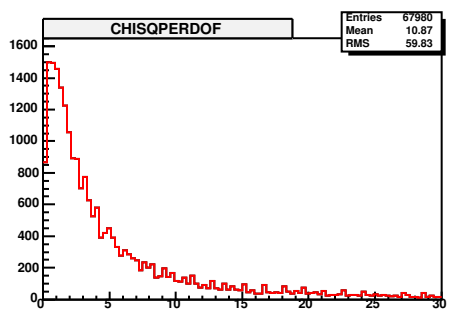
Electrons (SCONE Tight)

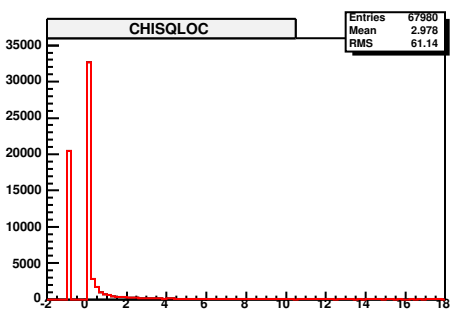

N
Entries 29963
Mean 2.269
RMS 1.667

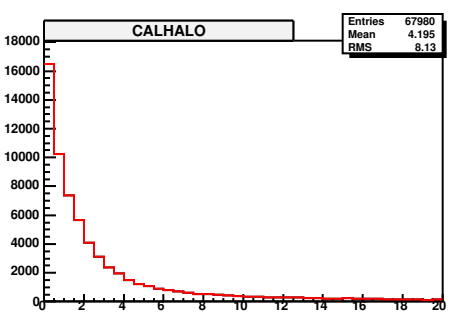

PT
Entries 67980
Mean 258.8
RMS 530

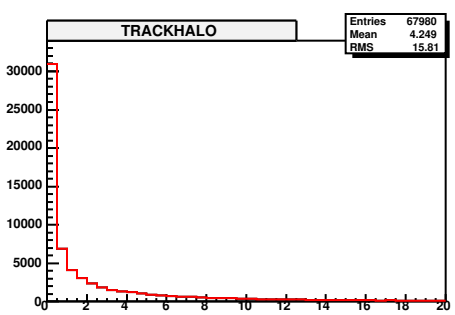

ETA
Entries 67980
Mean -0.001984
RMS 1.256

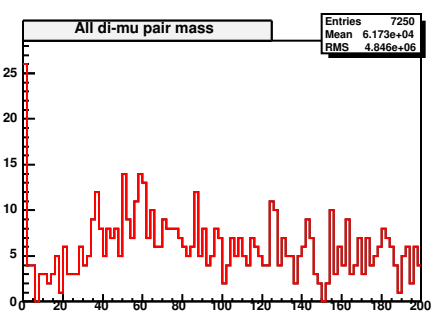

PHI
Entries 67980
Mean 3.015
RMS 1.83

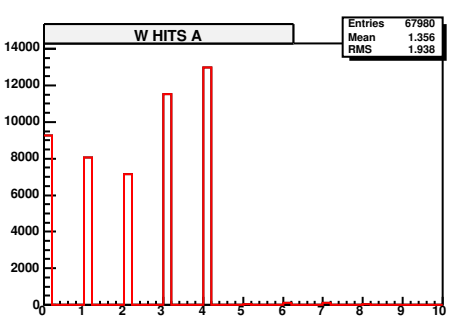

CHISQPERDOF
Entries 67980
Mean 10.87
RMS 59.83

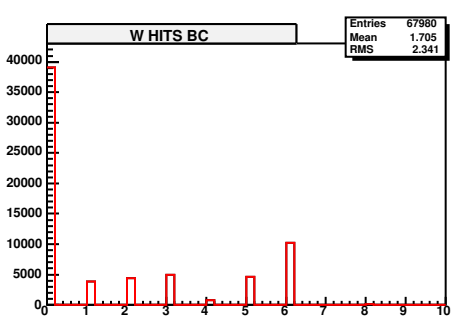

CHISQLOC
Entries 67980
Mean 2.978
RMS 61.14

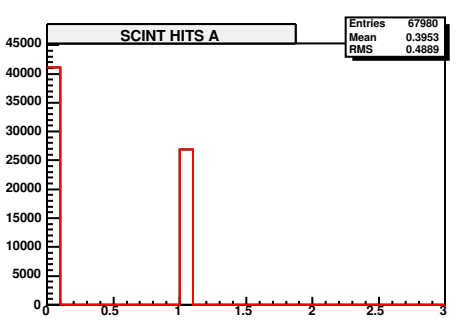

CALHALO
Entries 67980
Mean 4.195
RMS 8.13

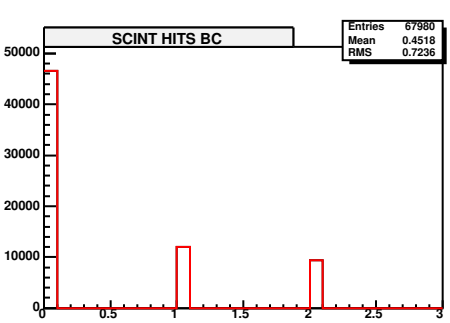

TRACKHALO
Entries 67980
Mean 4.249
RMS 15.81


All di-mu pair mass
Entries 7250
Mean 6.173e+04
RMS 4.846e+06

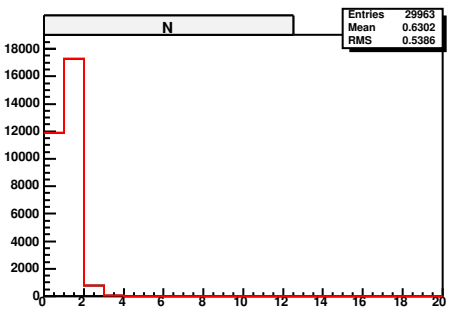

W HITS A
Entries 67980
Mean 1.356
RMS 1.938

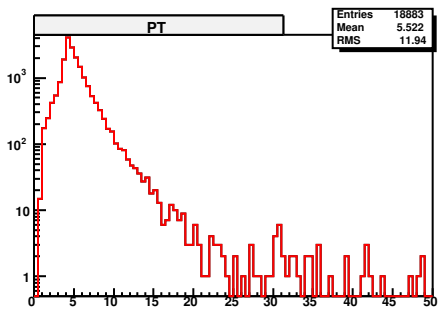

W HITS BC
Entries 67980
Mean 1.705
RMS 2.341

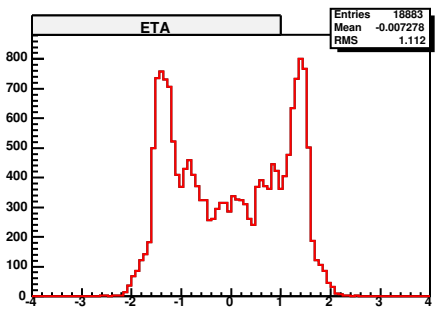

SCINT HITS A
Entries 67980
Mean 0.3953
RMS 0.4889

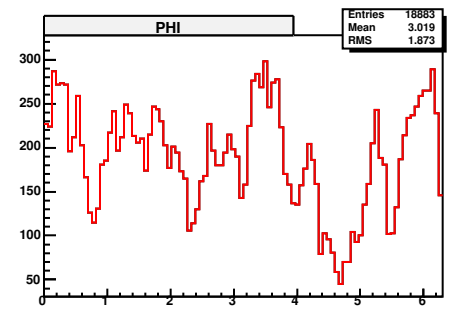

SCINT HITS BC
Entries 67980
Mean 0.4518
RMS 0.7236

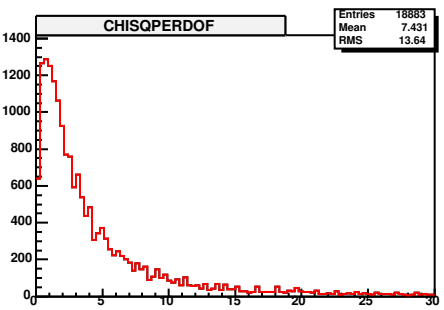
Muons (All)

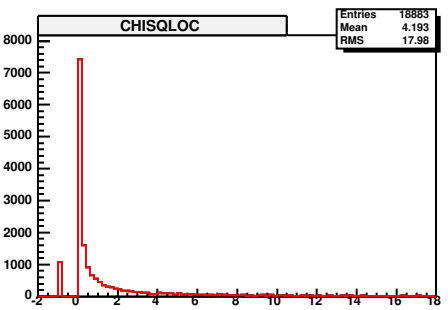


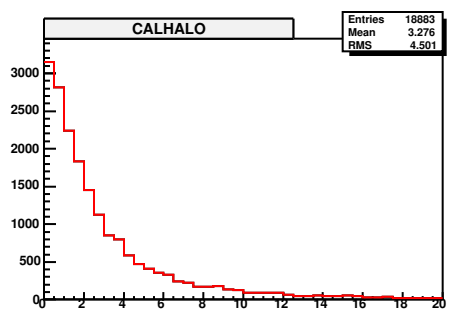


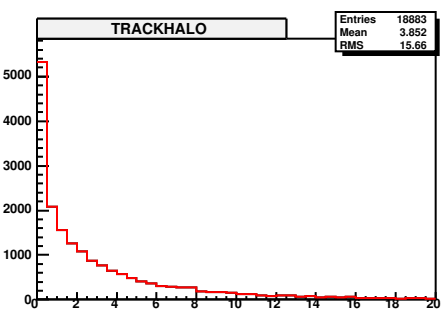


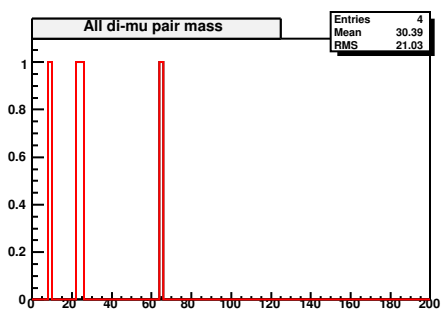


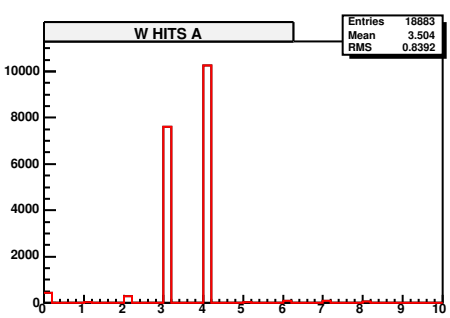


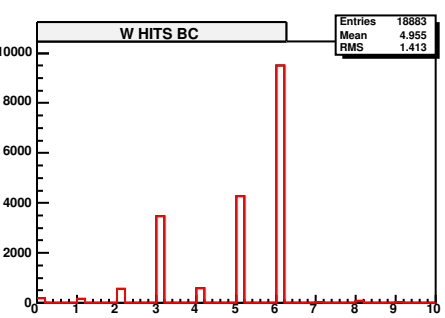


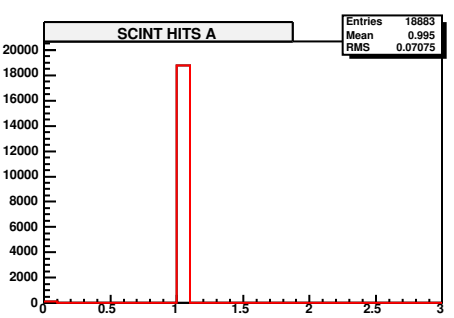


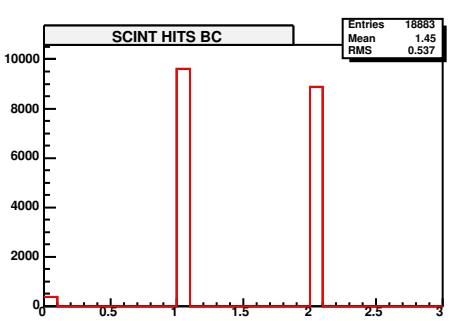




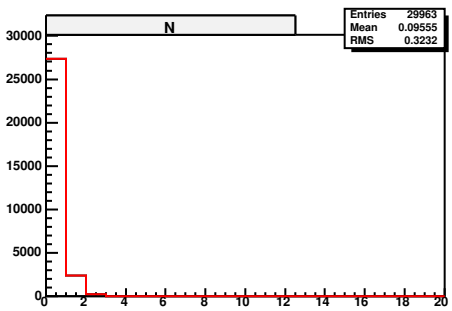


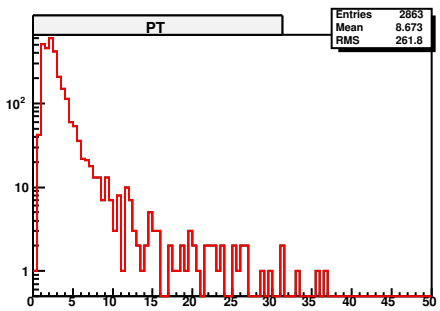


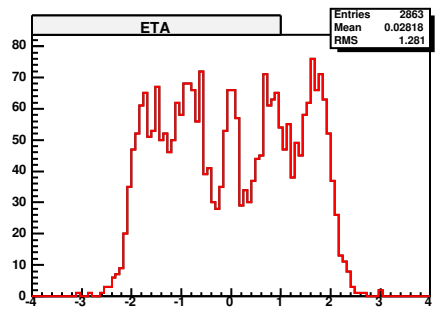


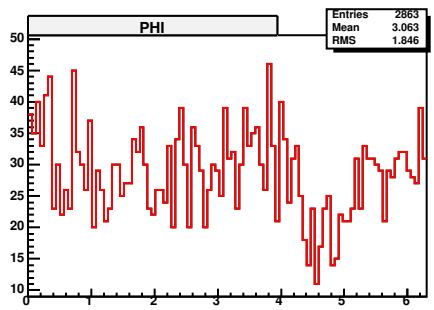


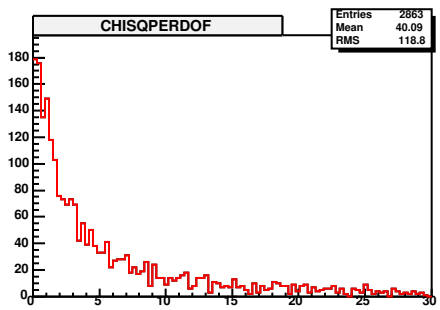
Muons (Matched)

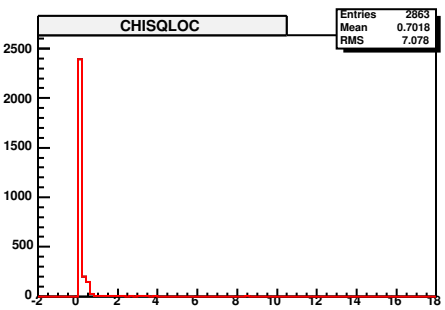

N
Entries 29963
Mean 0.09555
RMS 0.3232

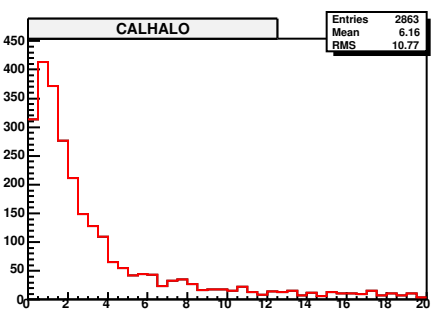

PT
Entries 2863
Mean 8.673
RMS 261.8

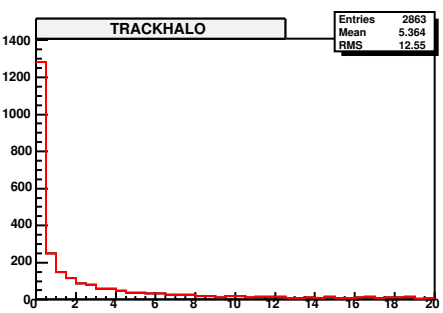

ETA
Entries 2863
Mean 0.02818
RMS 1.281

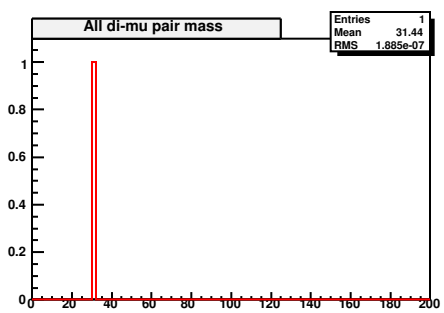

PHI
Entries 2863
Mean 3.063
RMS 1.846

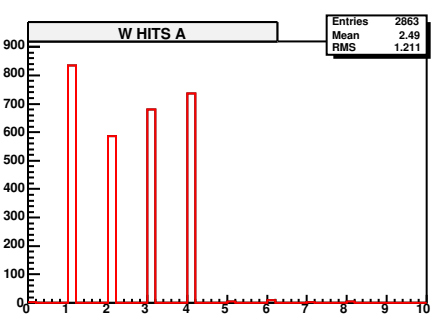

CHISQPERDOF
Entries 2863
Mean 40.09
RMS 118.8

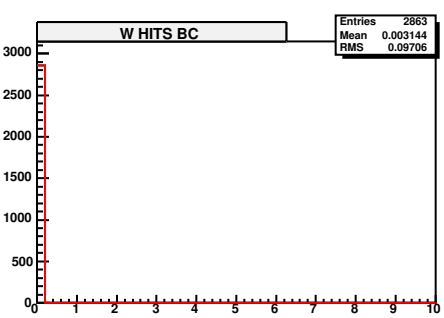

CHISQLOC
Entries 2863
Mean 0.7018
RMS 7.078

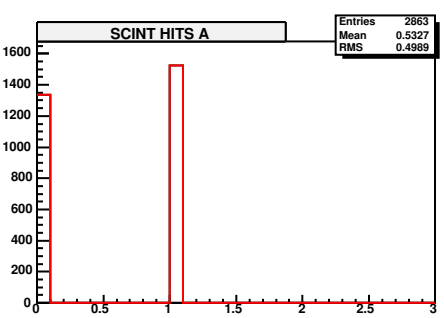

CALHALO
Entries 2863
Mean 6.16
RMS 10.77

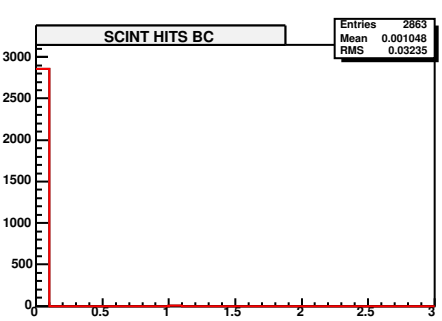

TRACKHALO
Entries 2863
Mean 5.364
RMS 12.55


All di-mu pair mass
Entries 1
Mean 31.44
RMS 1.885e-07

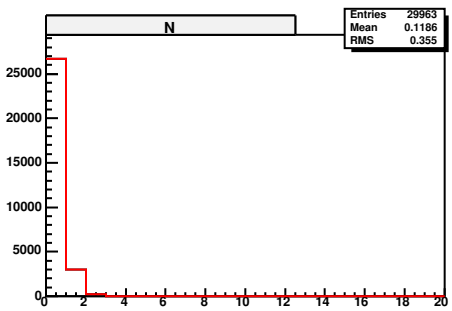

W HITS A
Entries 2863
Mean 2.49
RMS 1.211

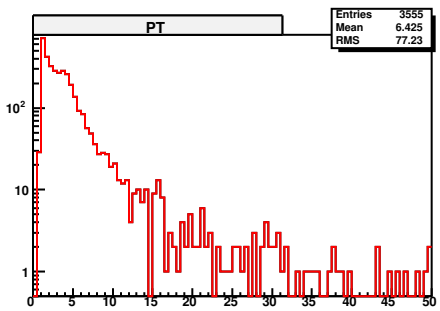

W HITS BC
Entries 2863
Mean 0.003144
RMS 0.09706

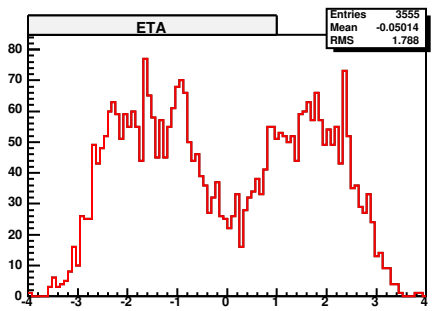

SCINT HITS A
Entries 2863
Mean 0.5327
RMS 0.4989

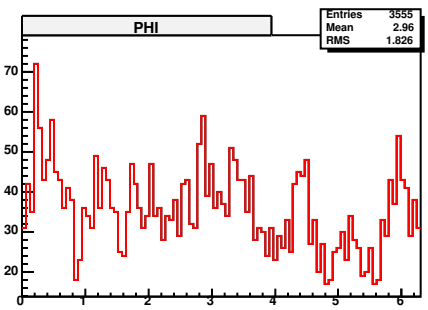

SCINT HITS BC
Entries 2863
Mean 0.001048
RMS 0.03235

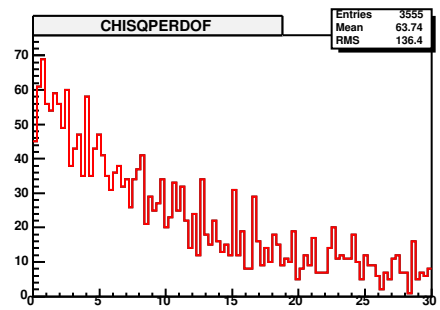
Muons (Astub)

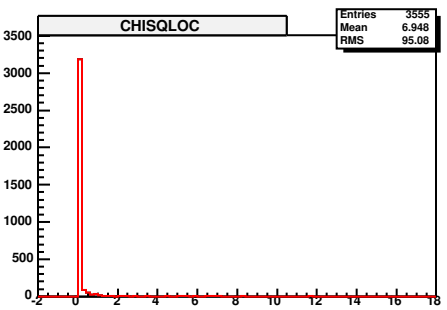


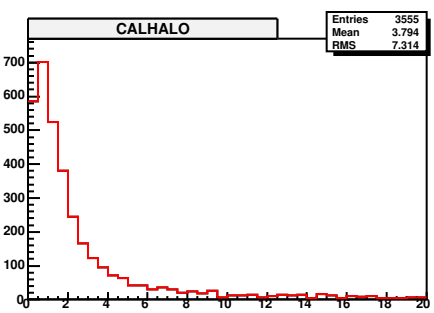


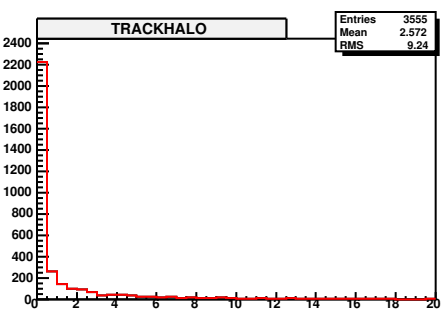


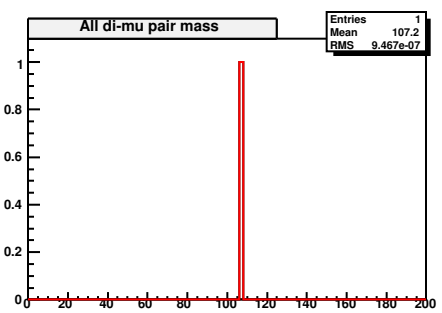


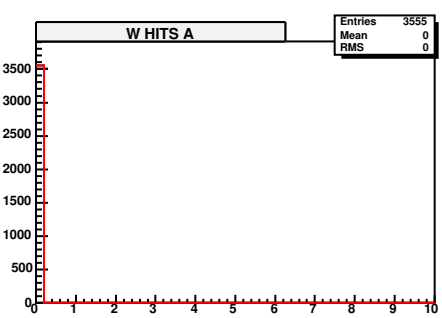


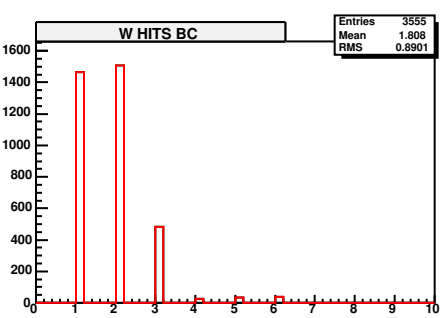


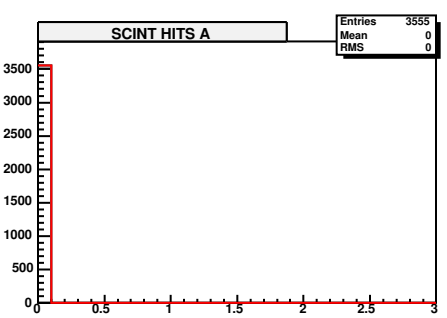


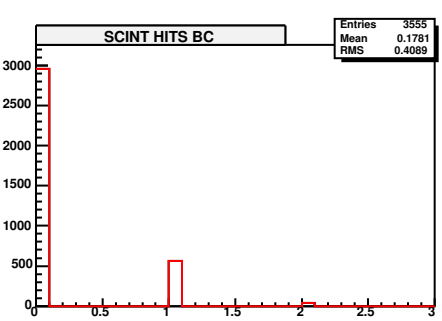




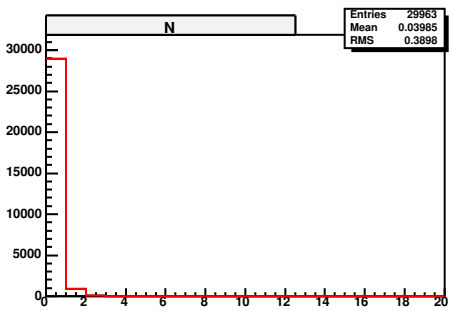


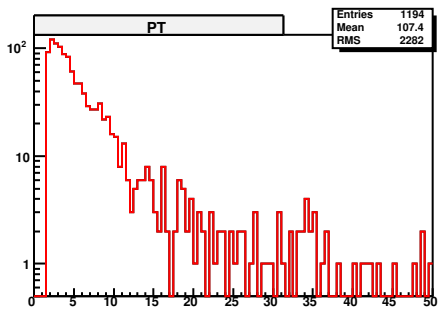


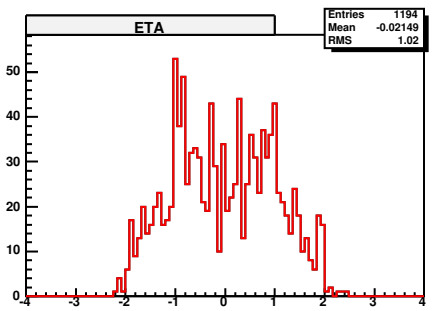


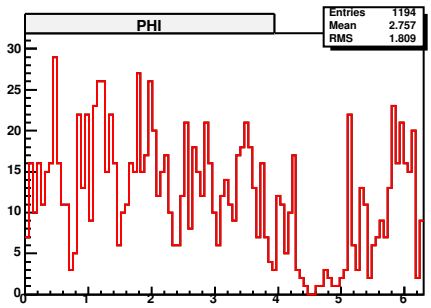


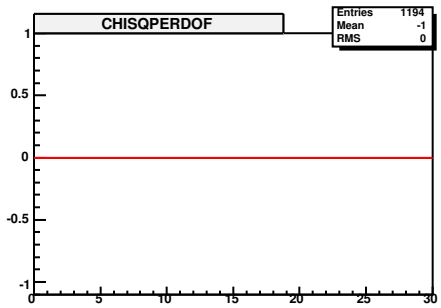
Muons (BCstub)

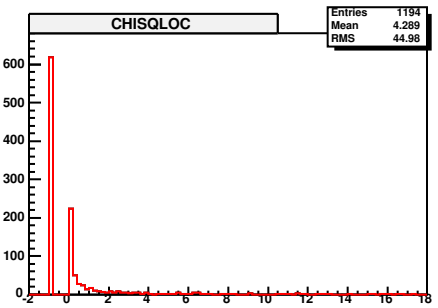


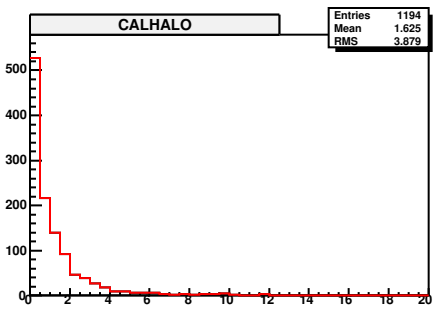


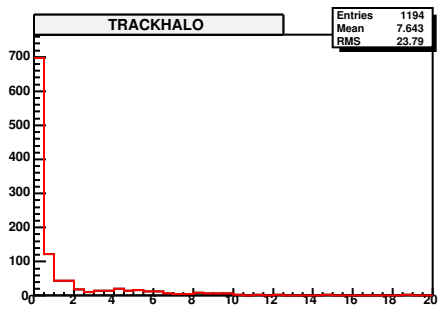


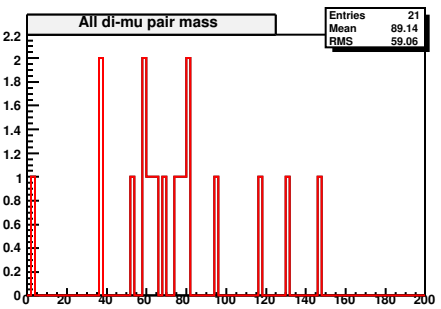


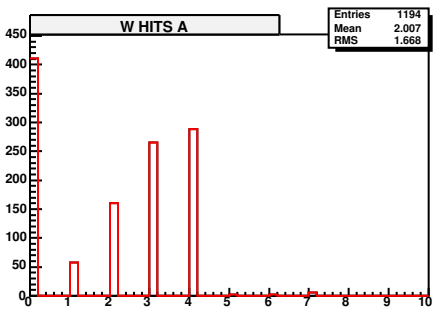


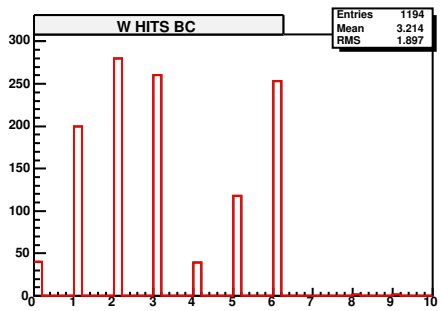


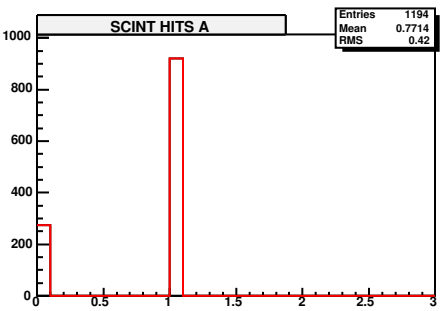


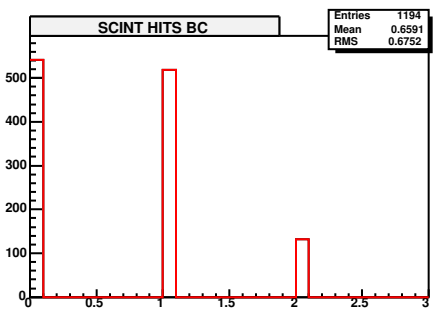




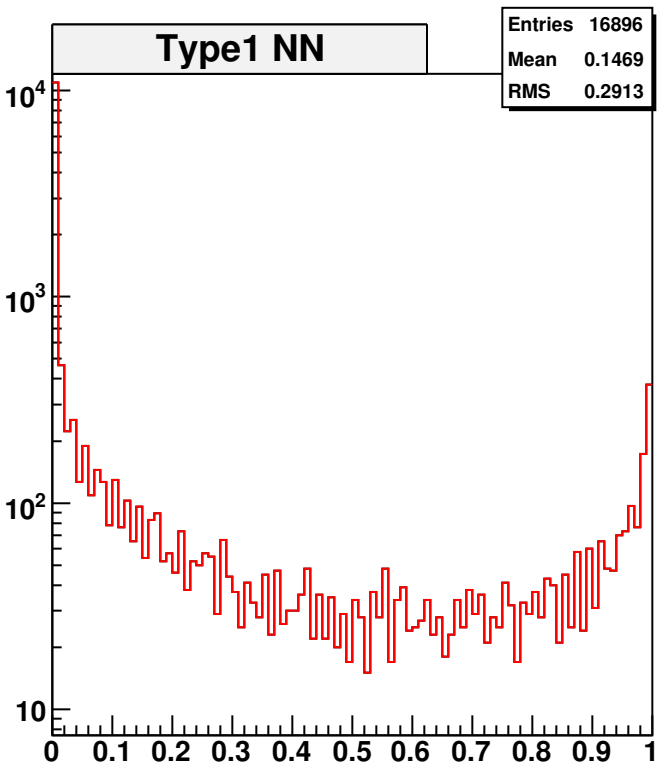


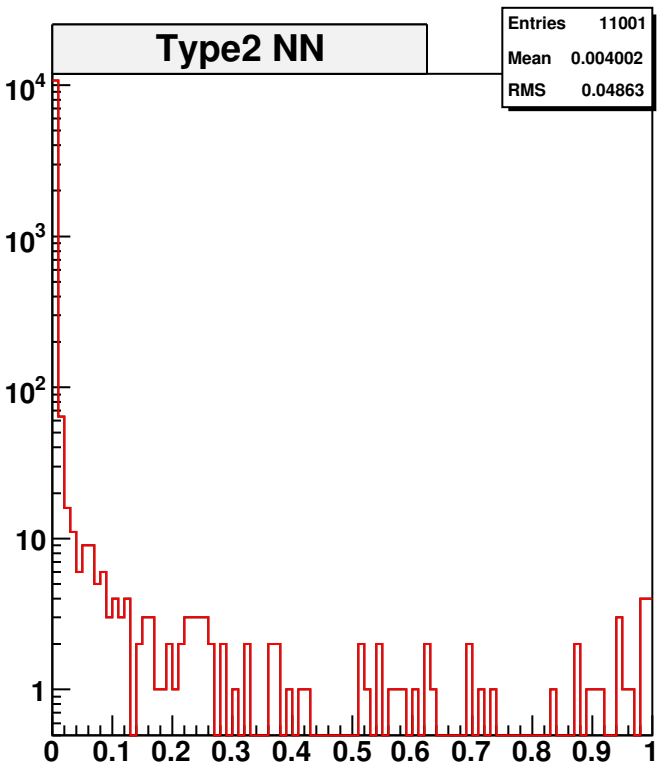


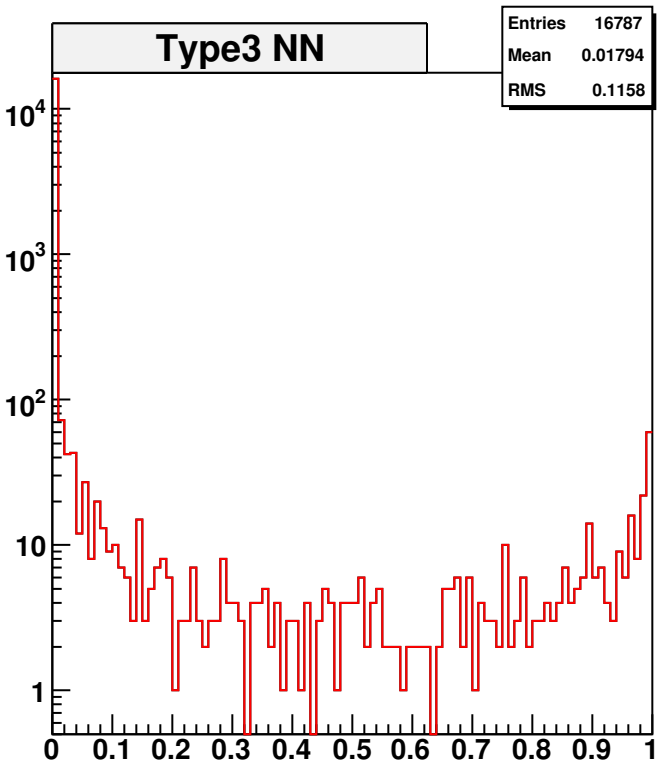


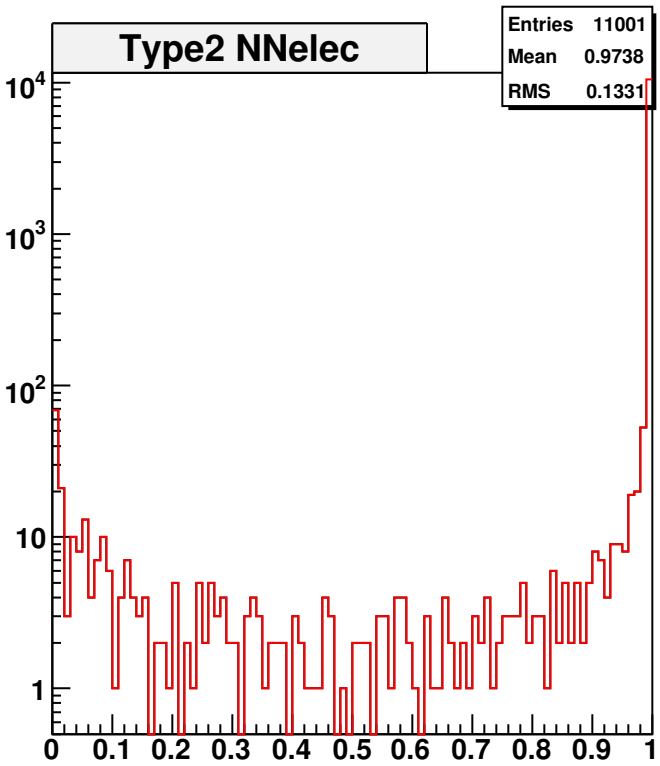


Muons (Unmatched)

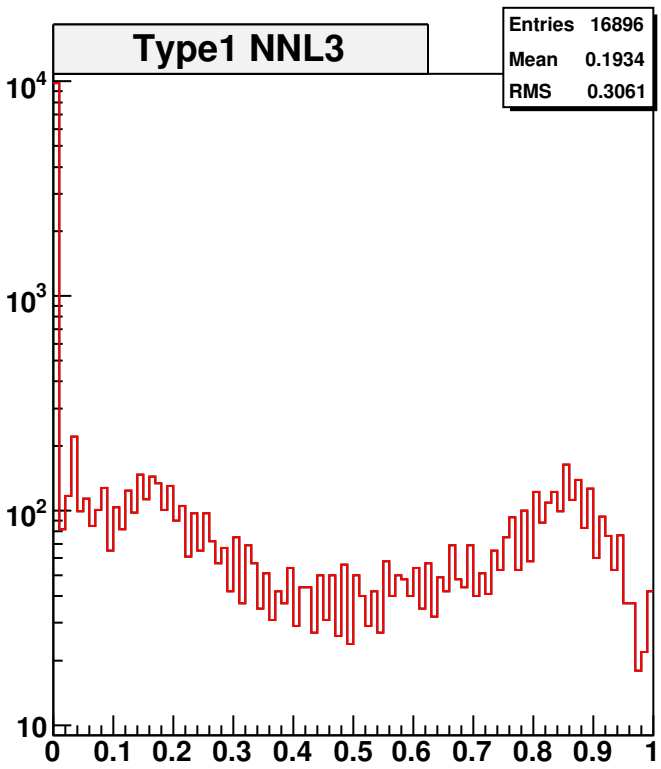


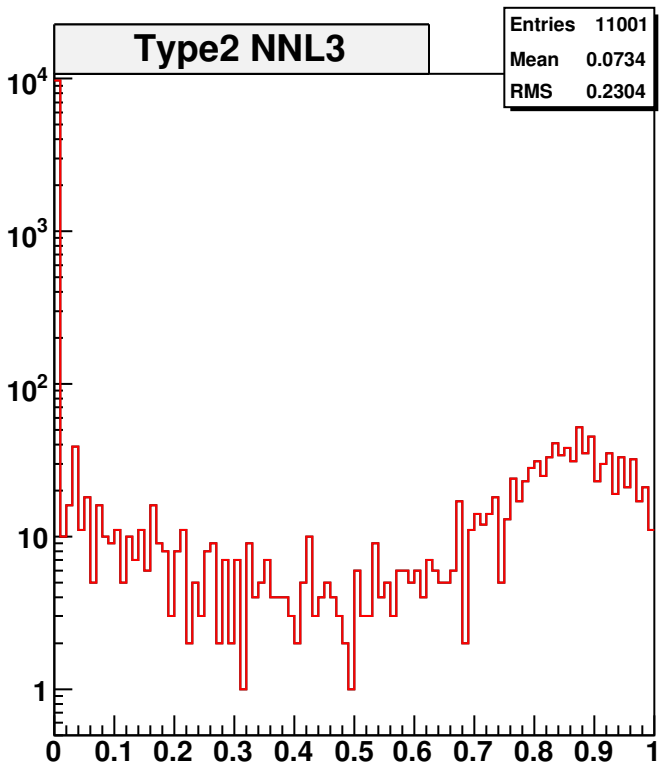


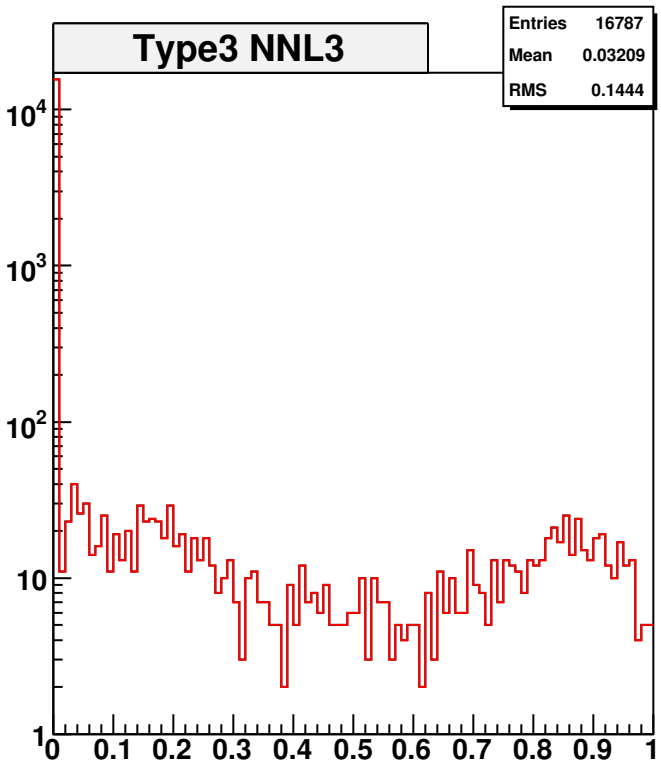


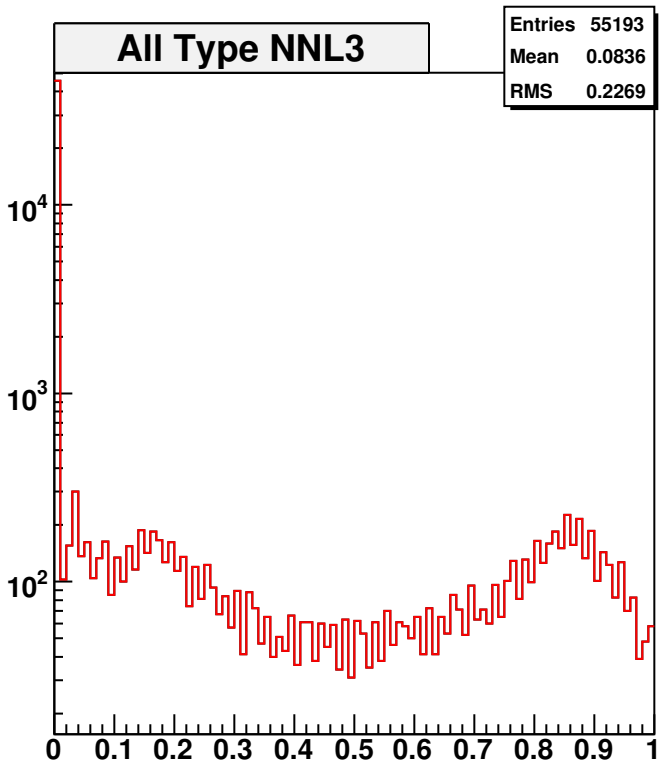


Taus NN (TAU All)

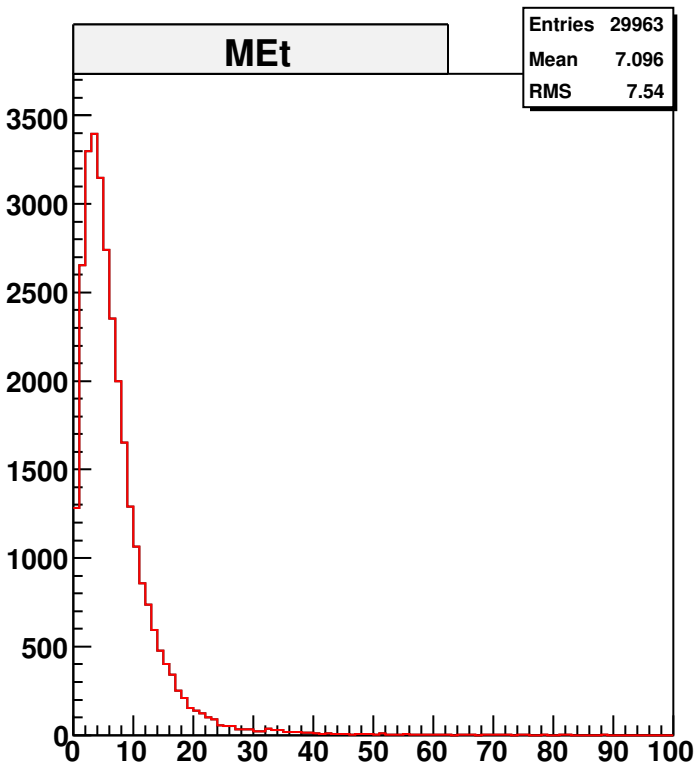


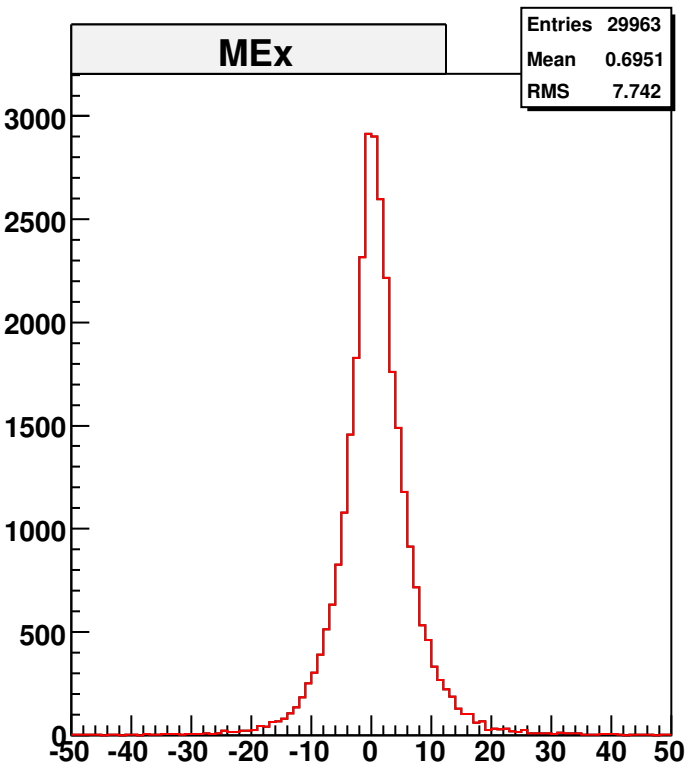






Taus NNL3 (TAU All)


MEt
Entries 29963
Mean 7.096
RMS 7.54
3500
3000
2500
2000
1500
1000
500
0
0 10 20 30 40 50 60 70 80 90 100


MEx
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RMS 7.742
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2500
2000
1500
1000
500
0
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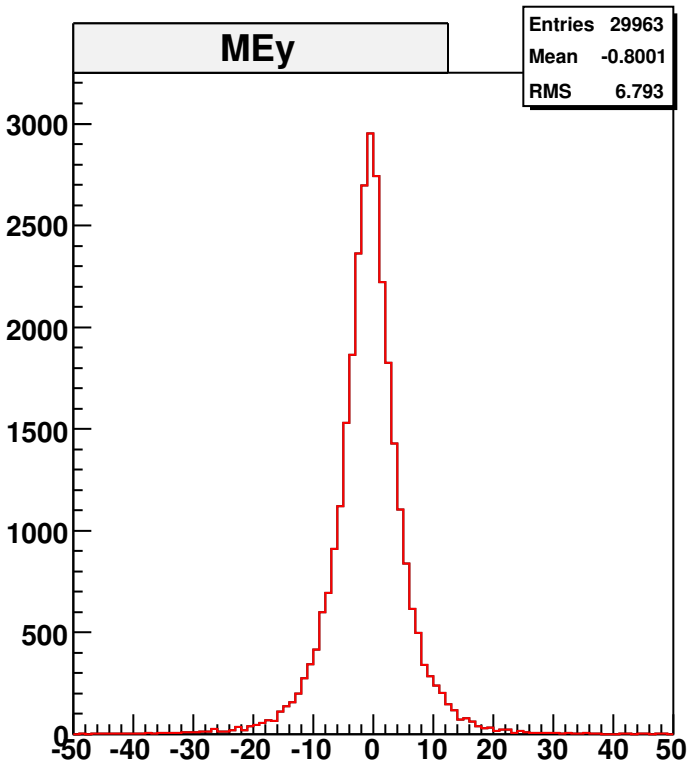
MEy
Entries 29963
Mean -0.8001
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1000
500
0
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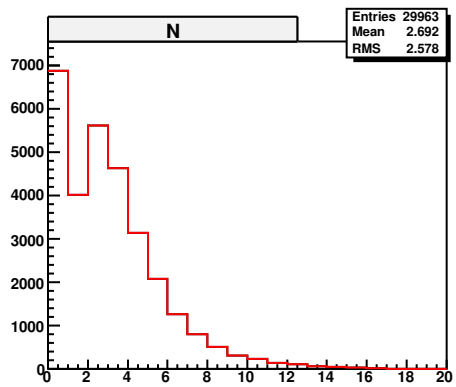
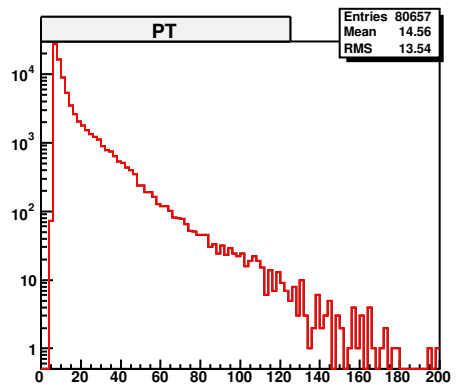
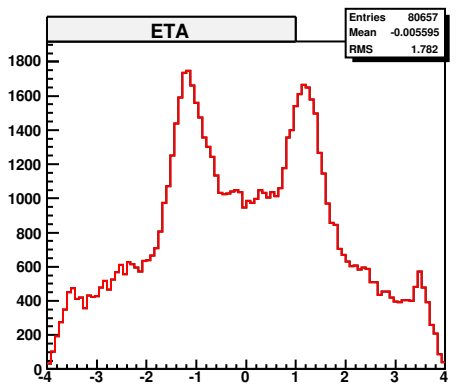
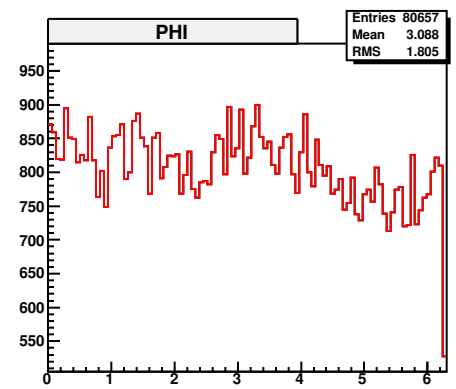
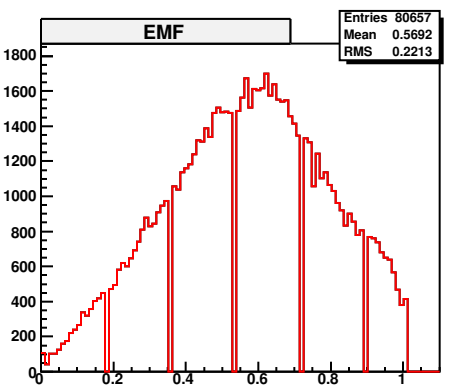
Met (No cuts)

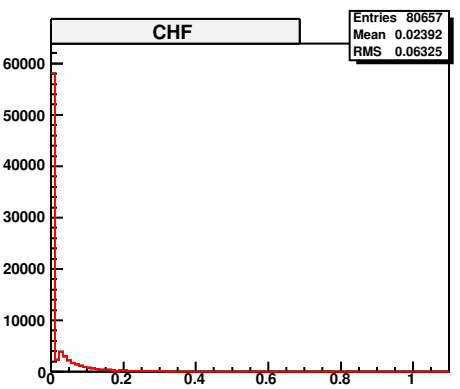


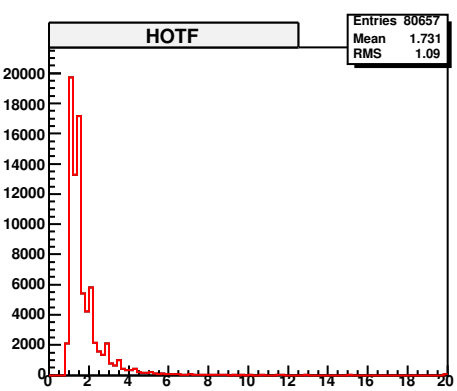


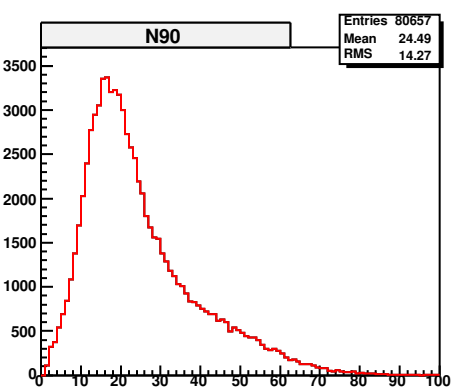


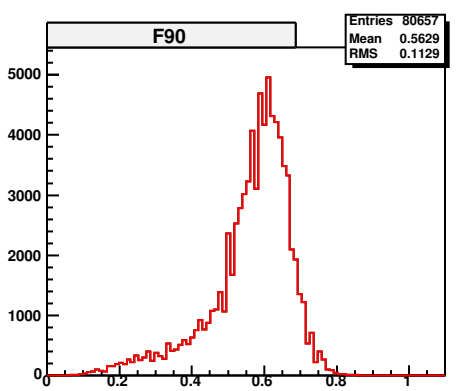


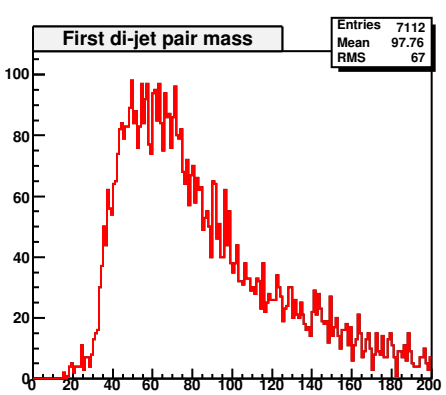


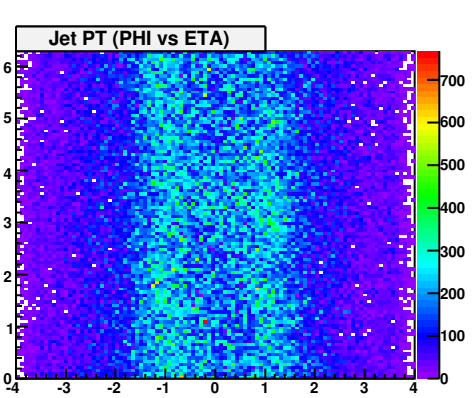




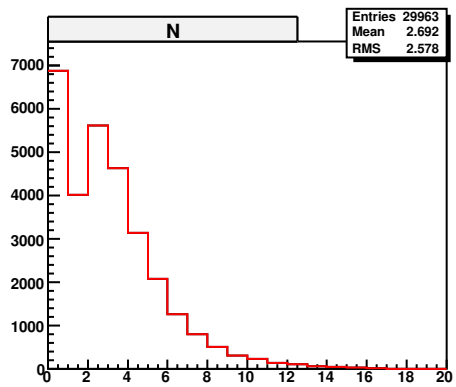


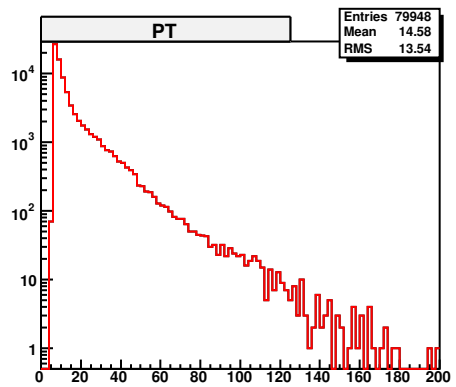


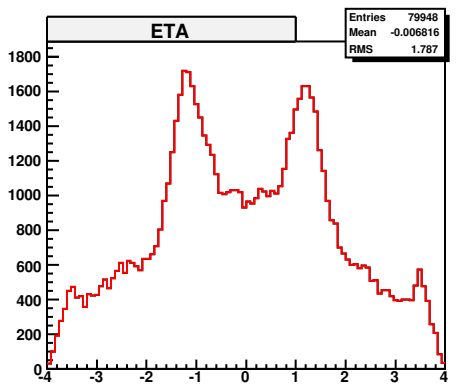


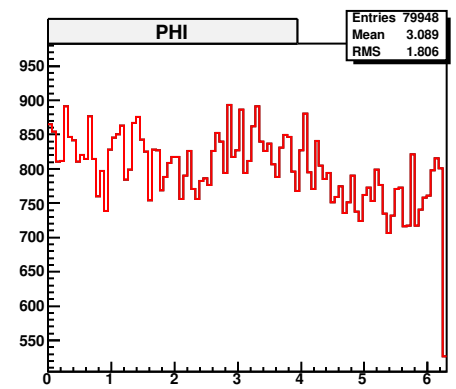


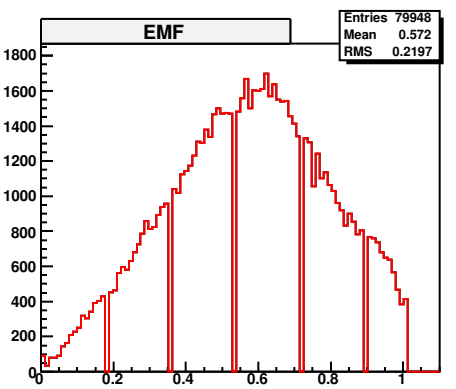
Jets (Cone R 0.7 (no cuts))

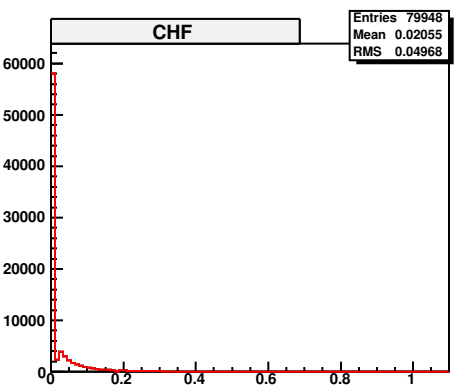


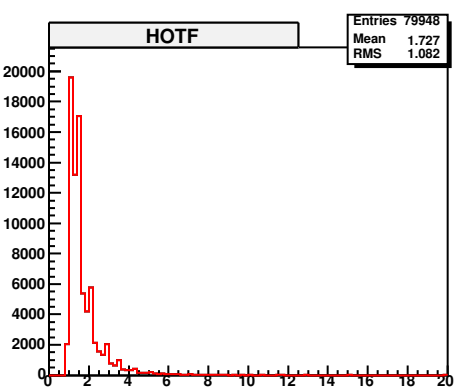


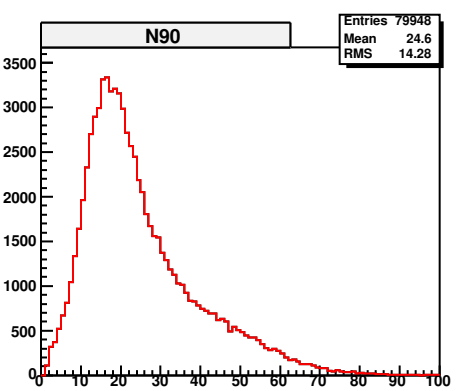


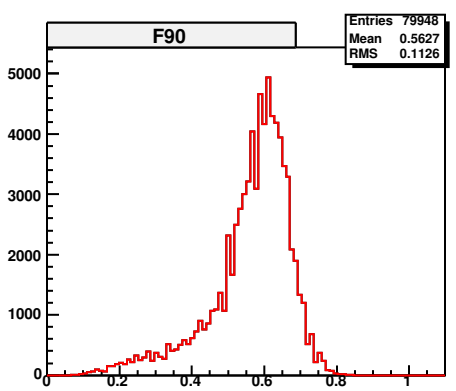


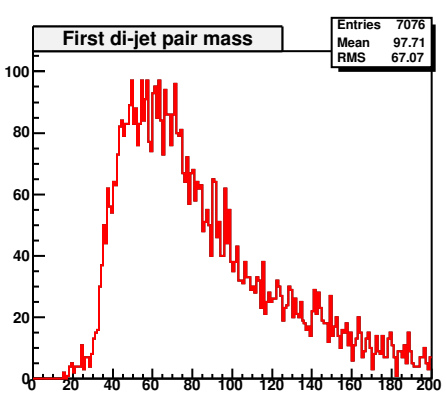


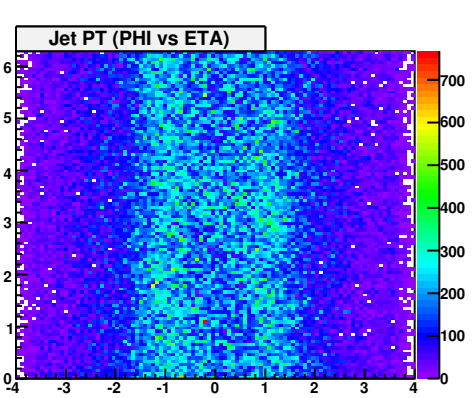




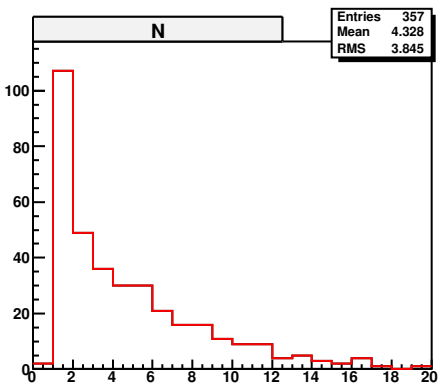


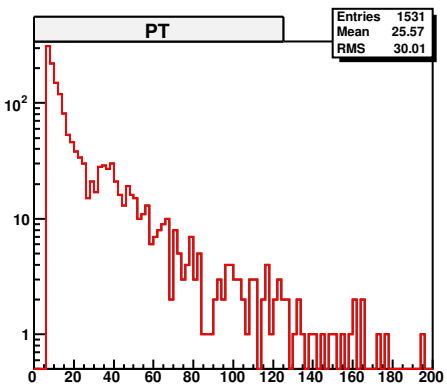


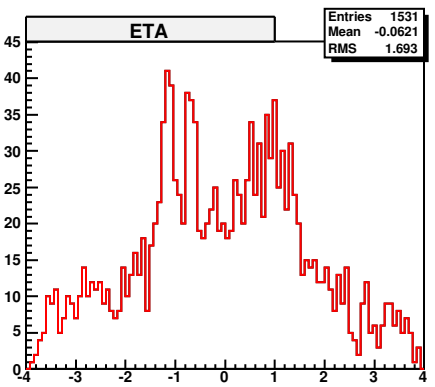


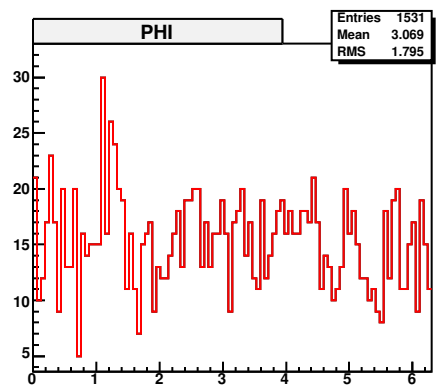


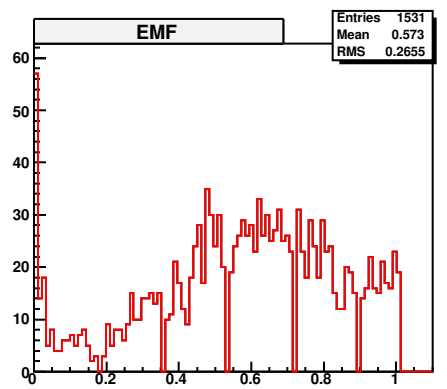
Jets (Cone R 0.7 (standard cuts))

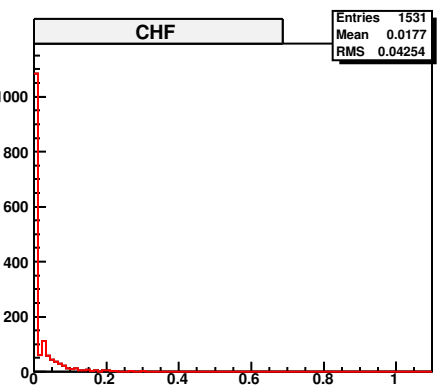


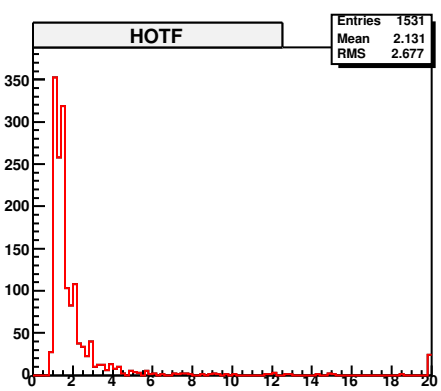


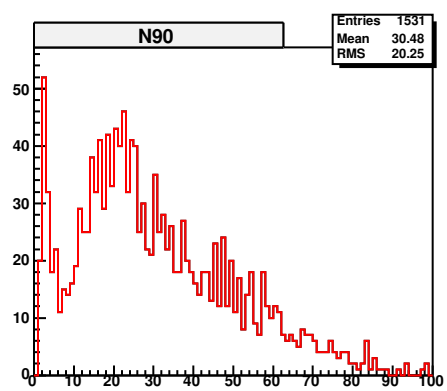


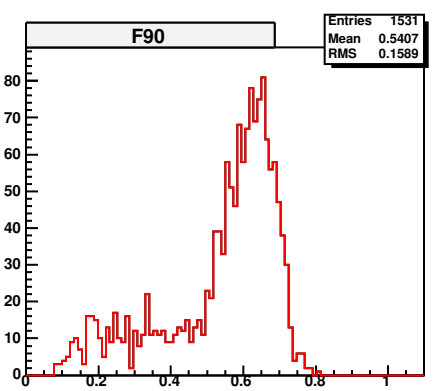


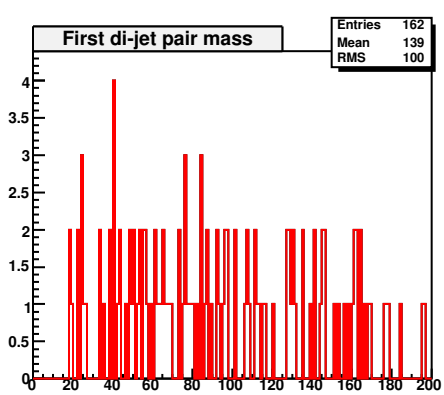


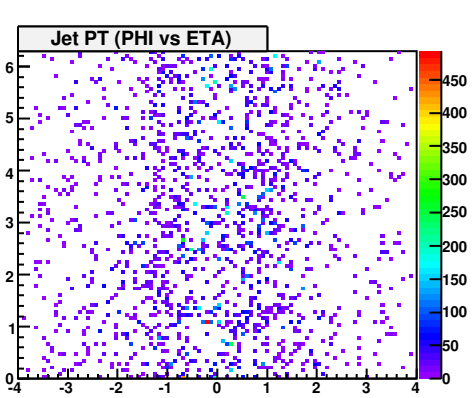




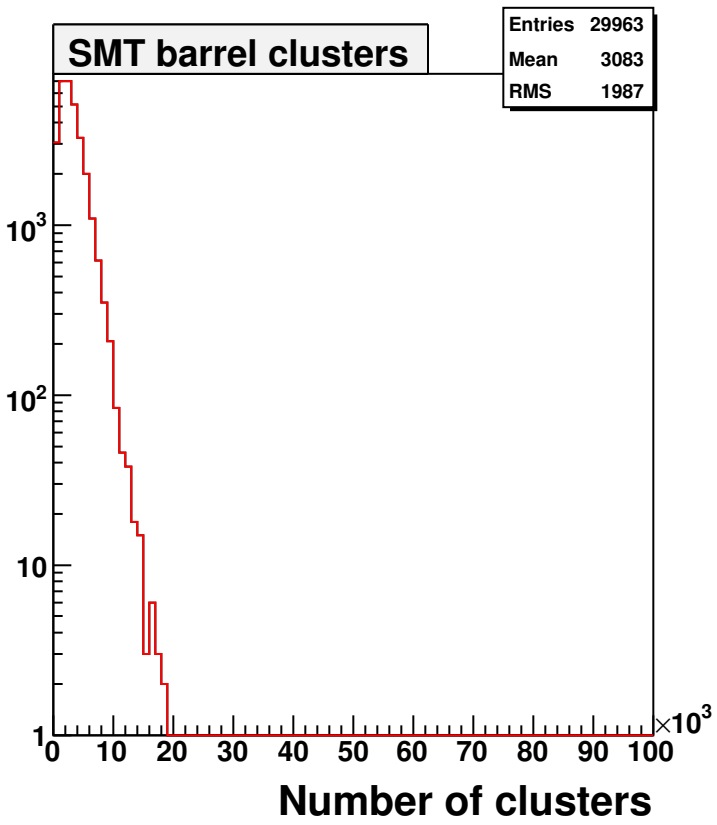


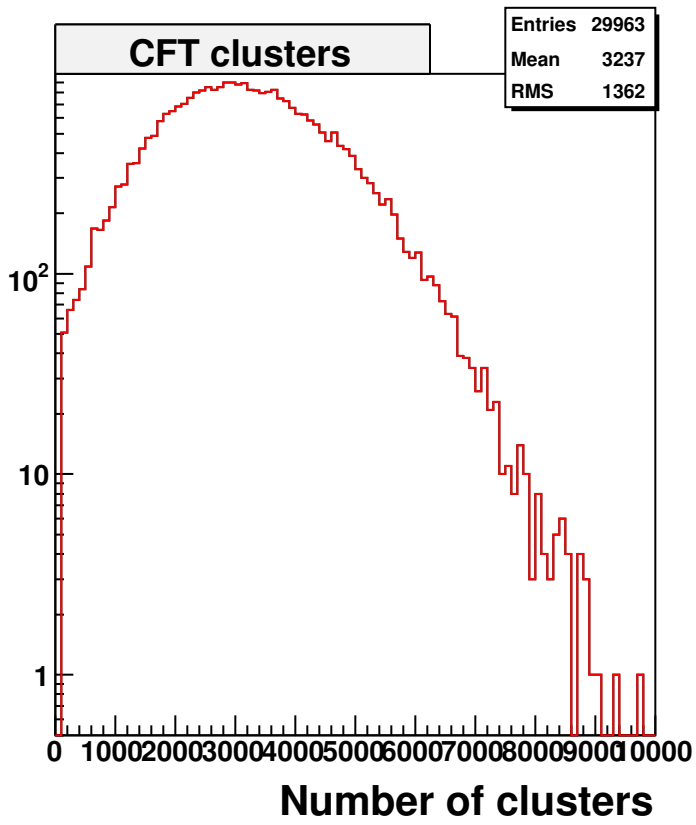


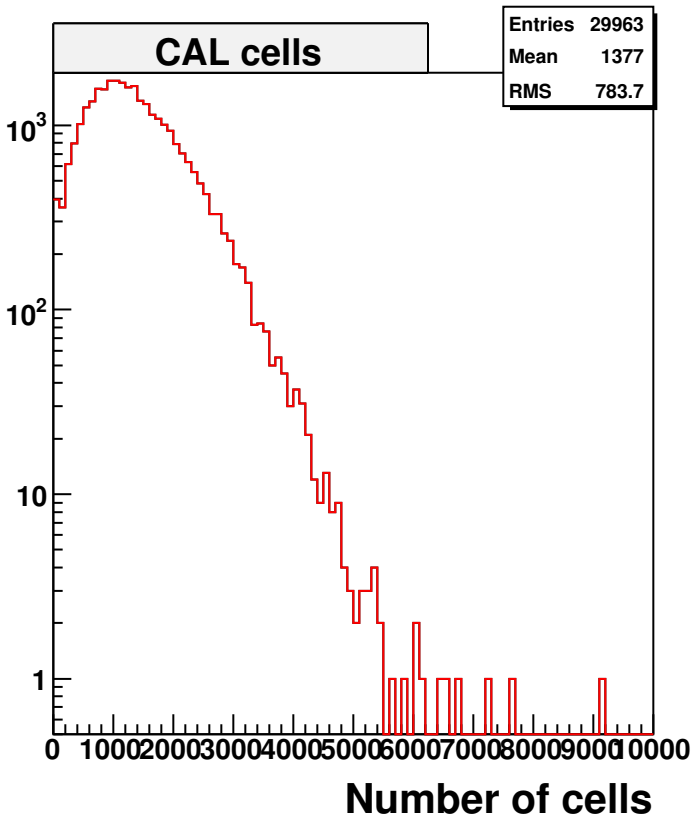


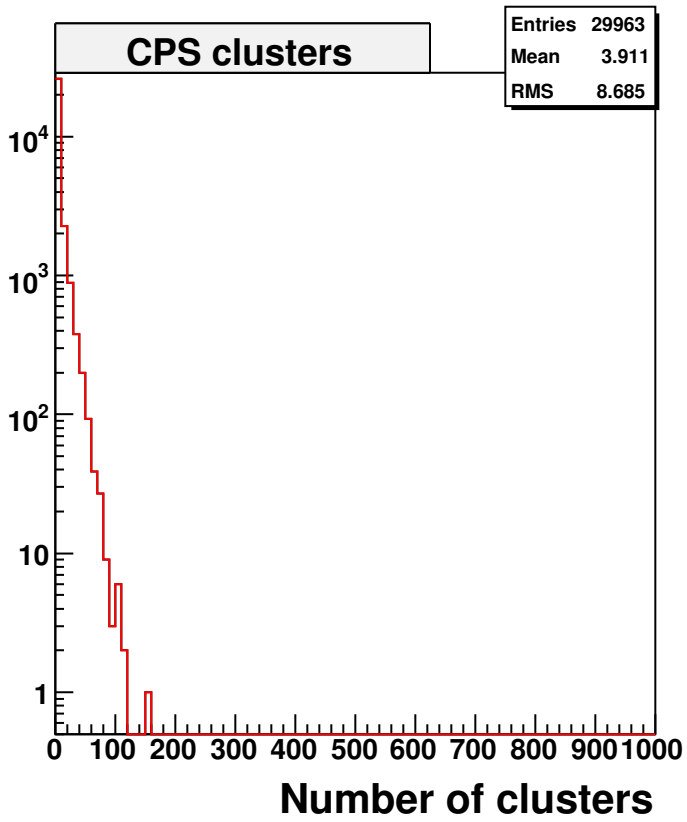


Jets (Cone R 0.7 (standard cuts, MET>30))

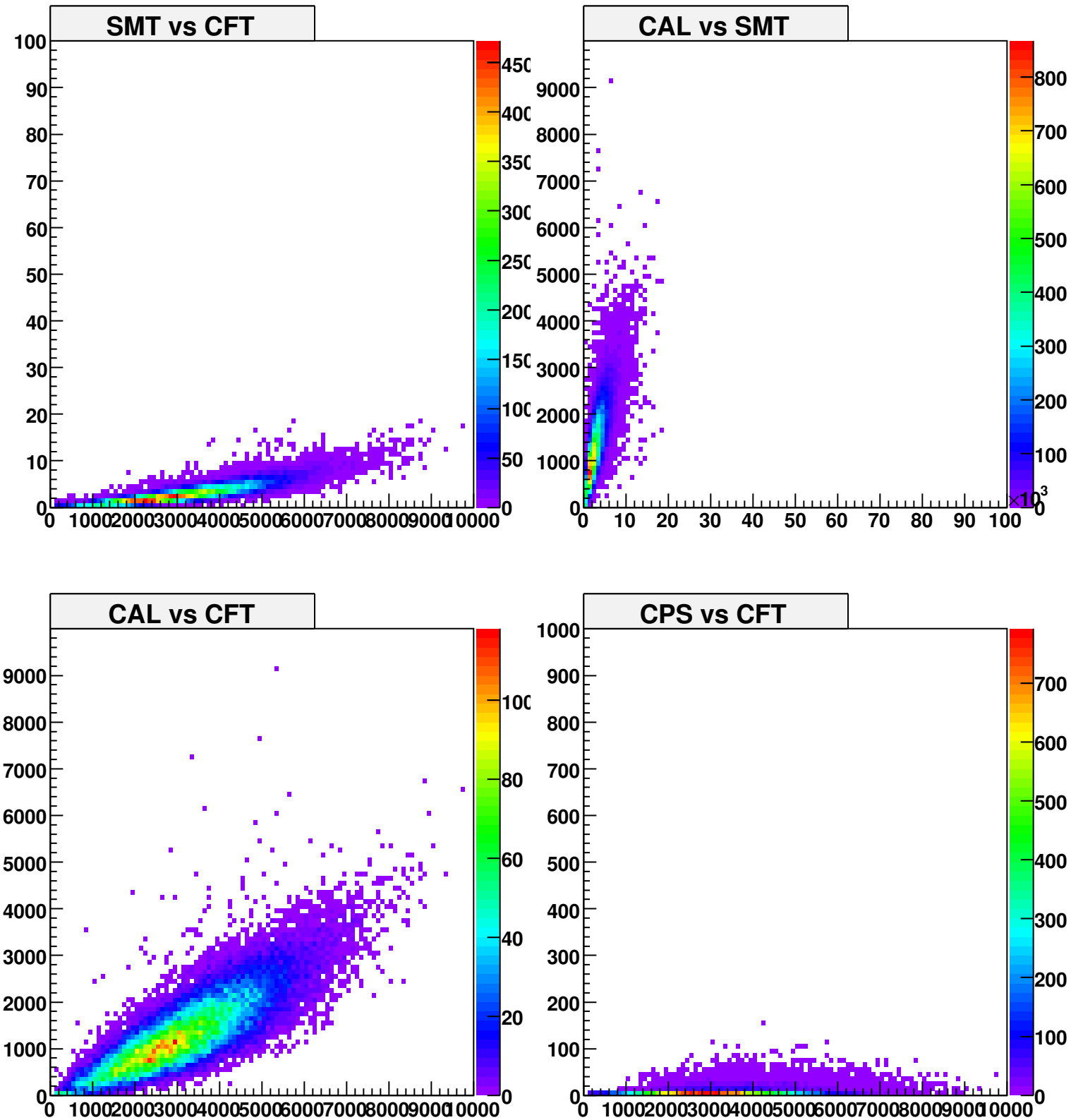


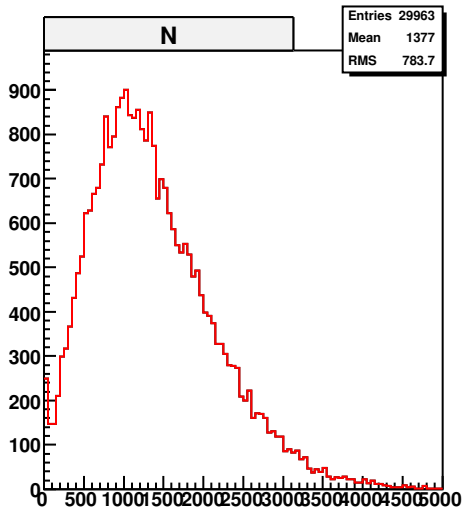


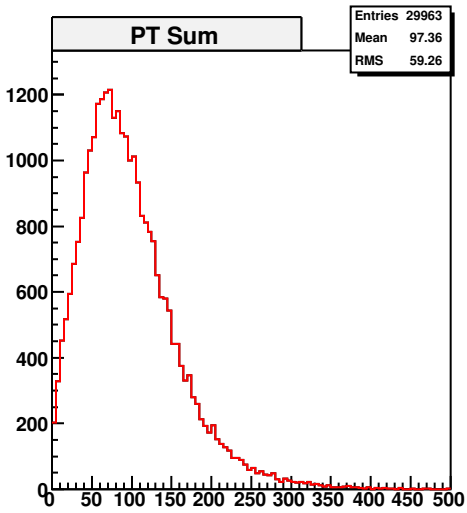


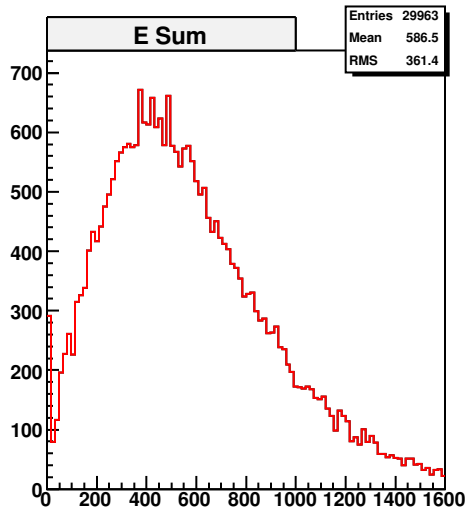


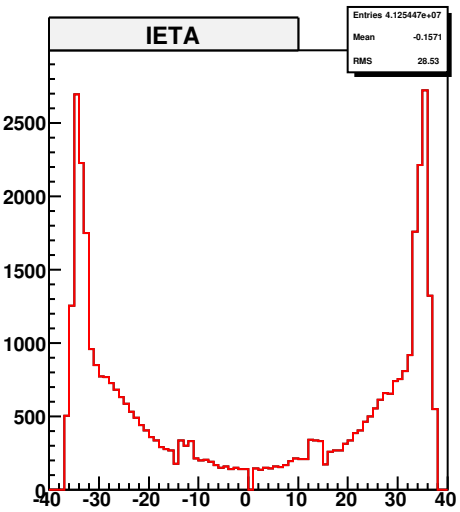
Detector Occupancy (Detector)

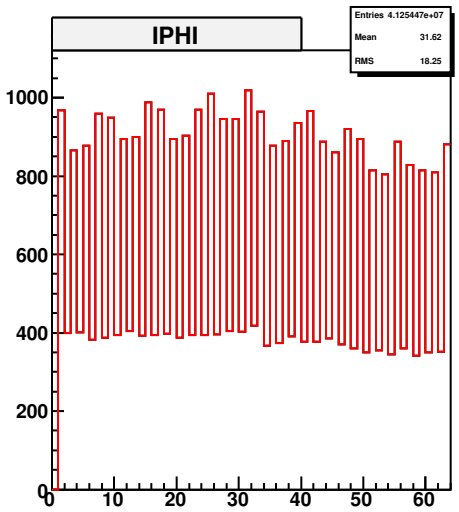

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

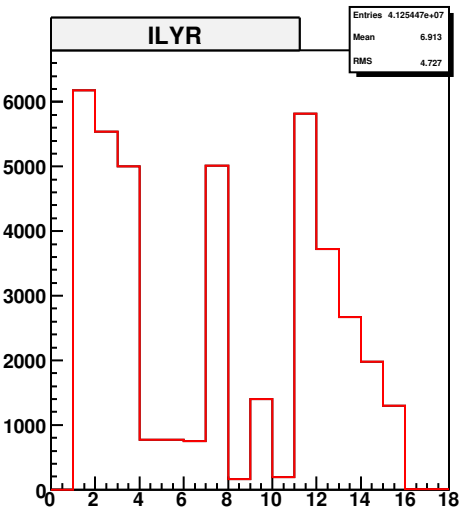


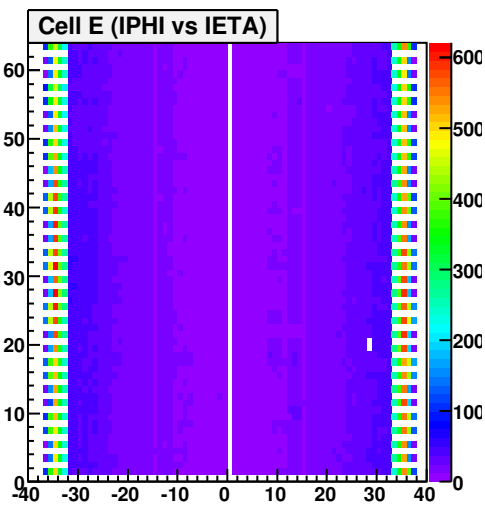


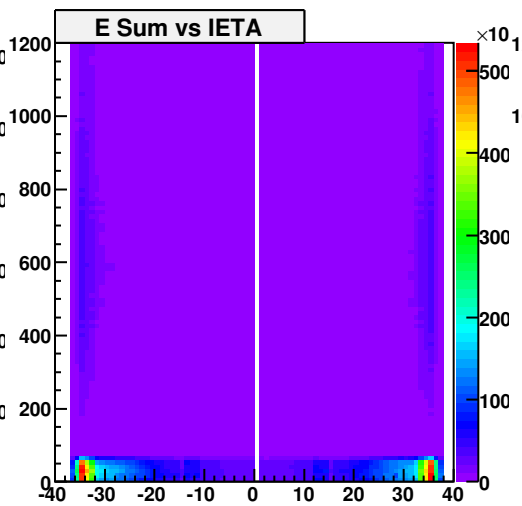


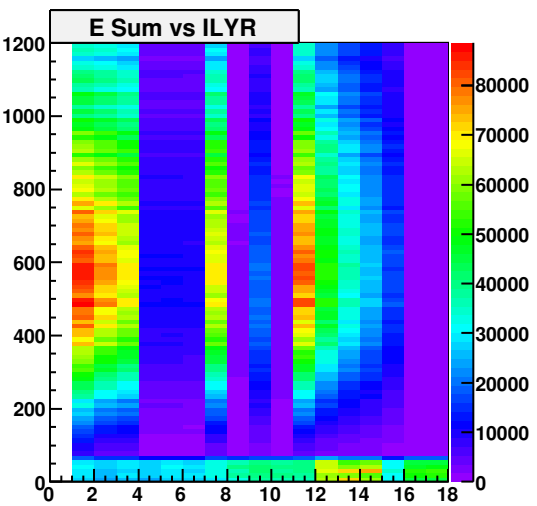




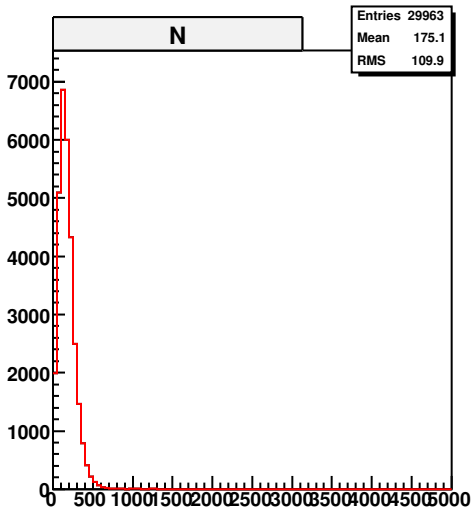


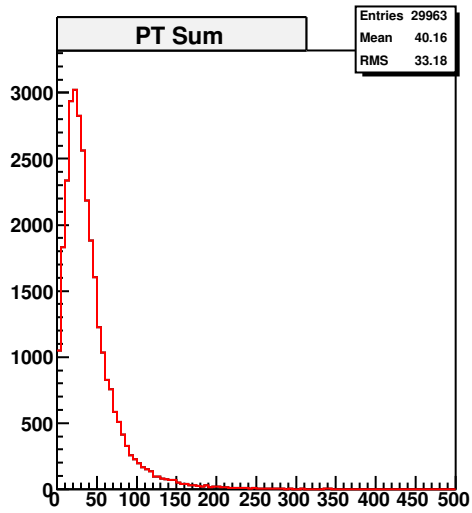


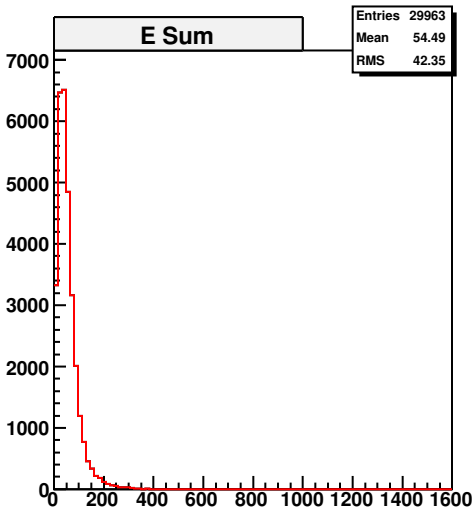


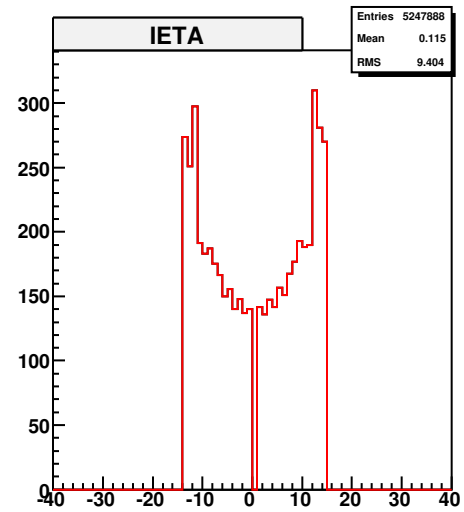


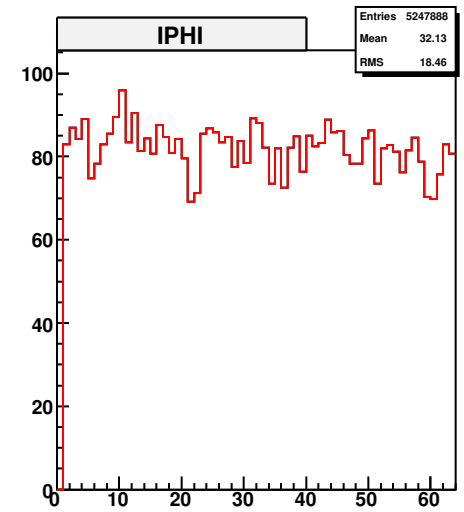
Calorimeter (All cells)

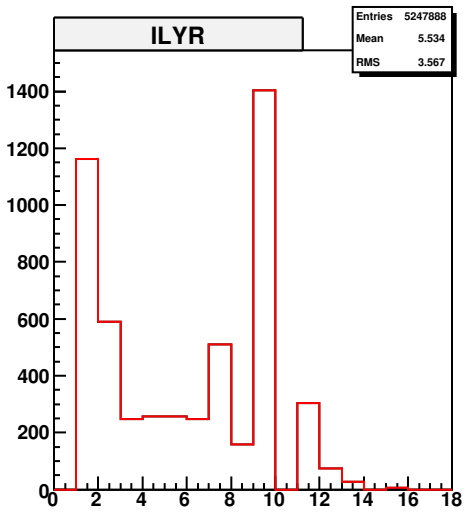


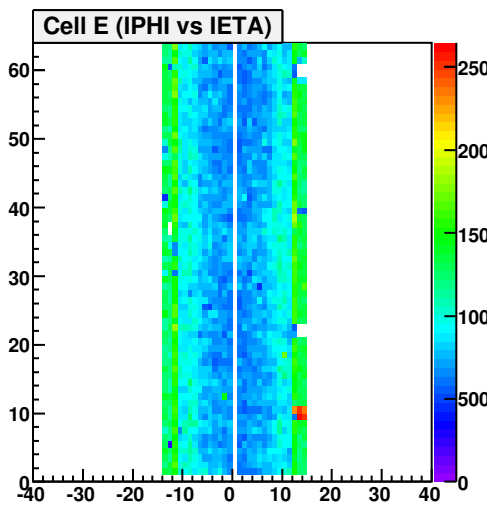


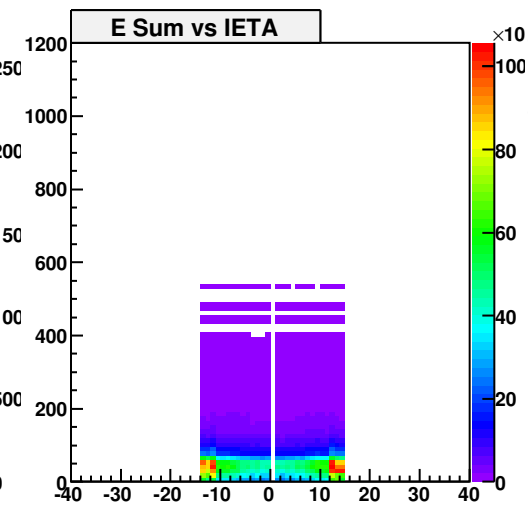


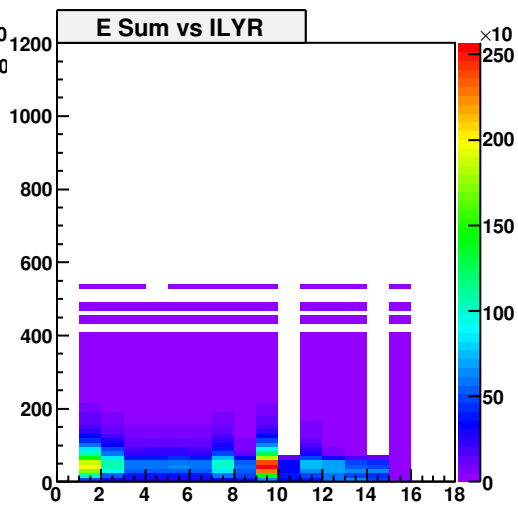




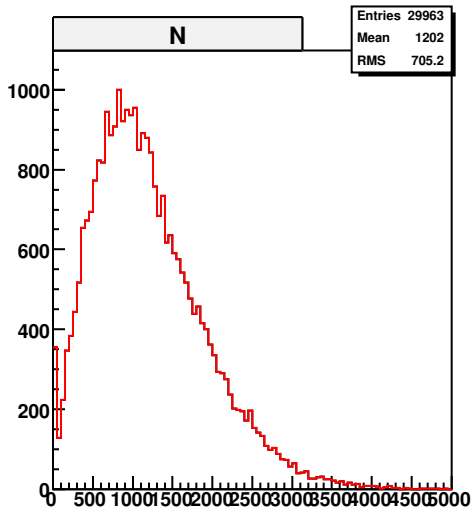


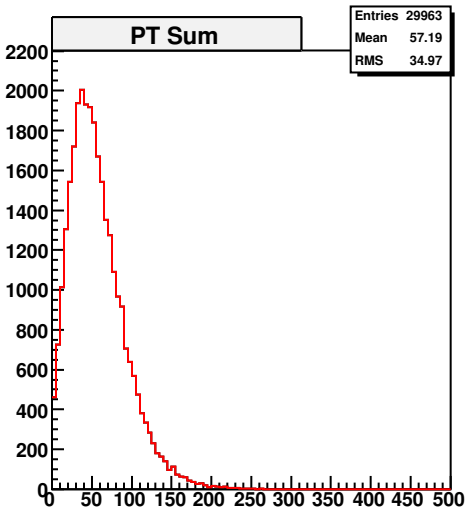


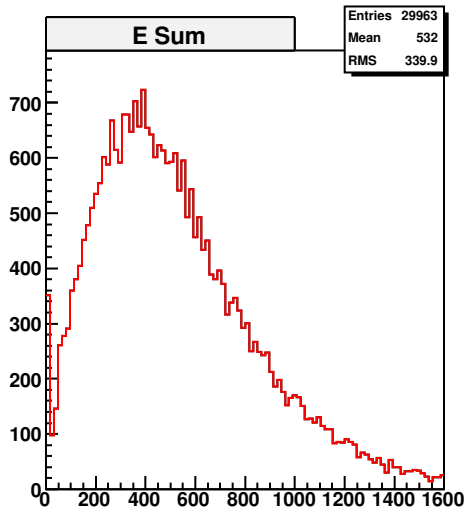


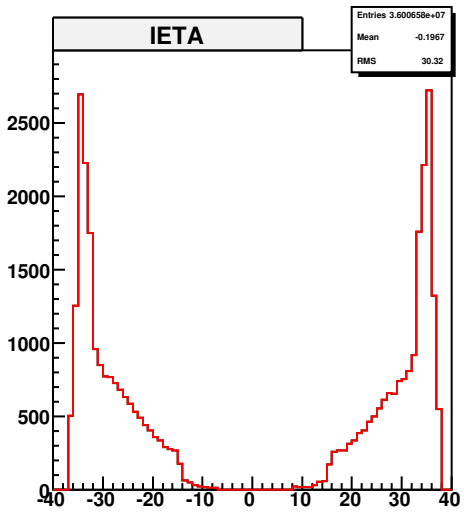


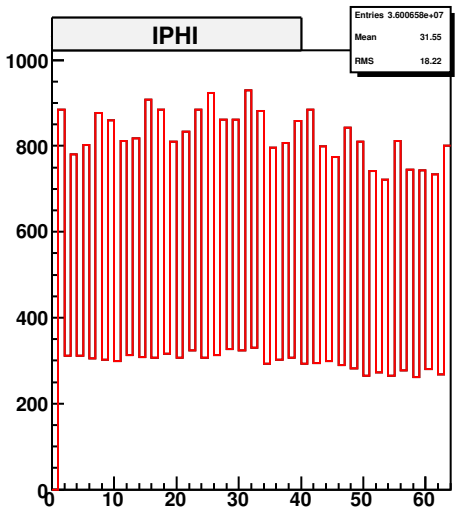
Calorimeter (All CC cells)

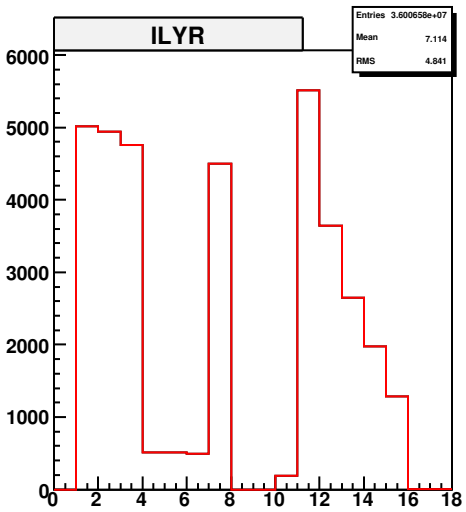


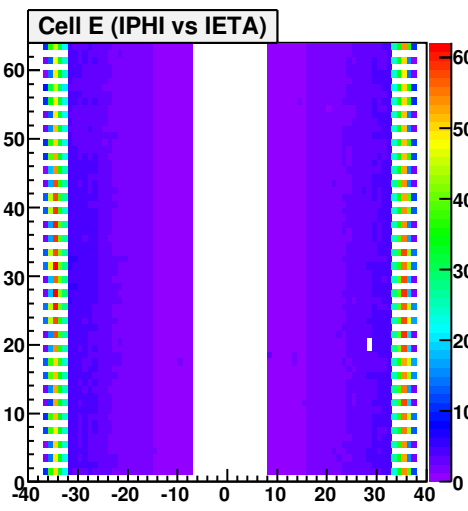


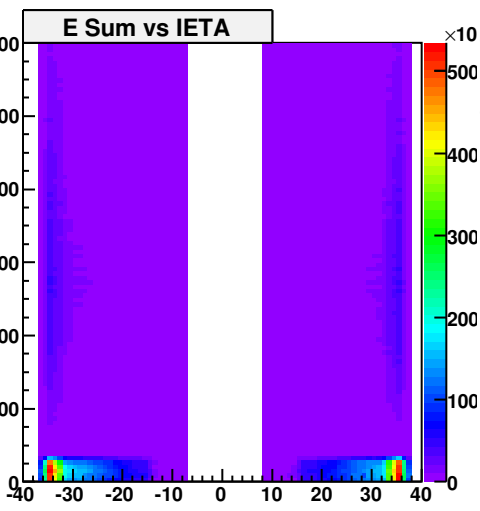


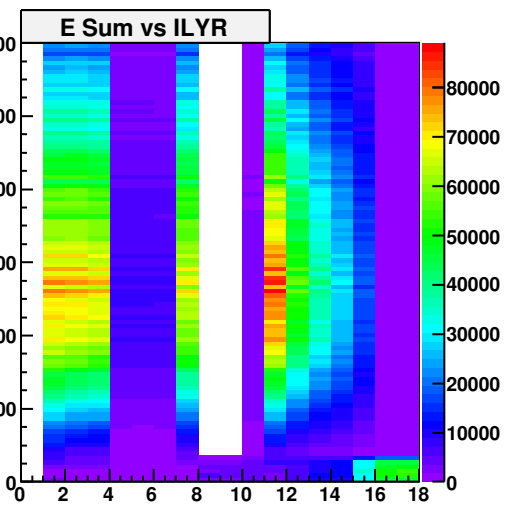




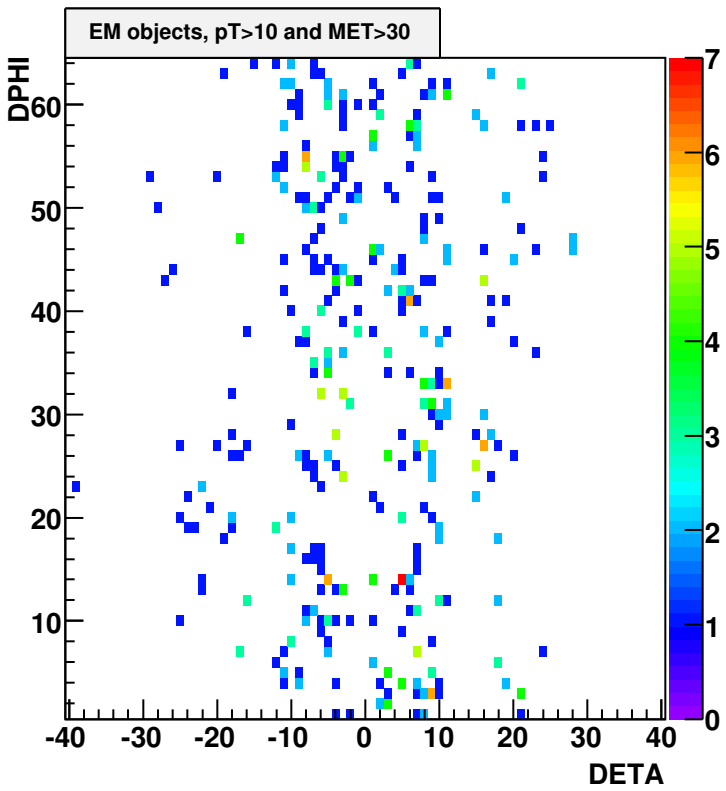


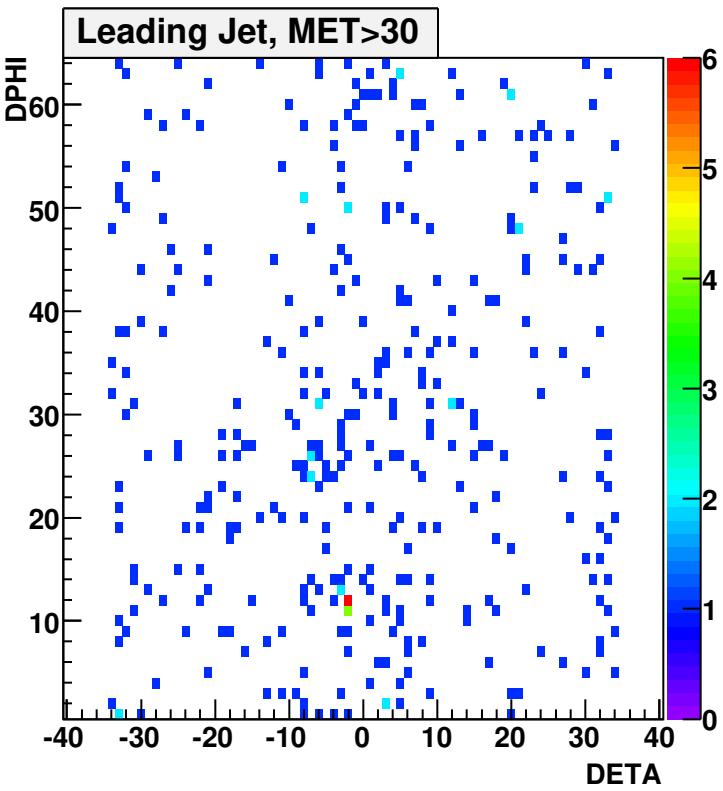


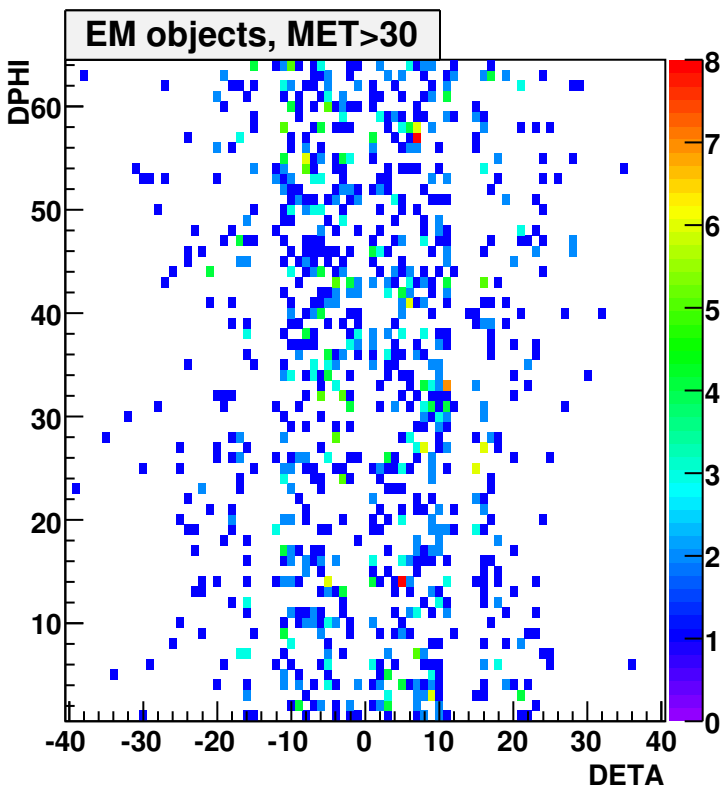


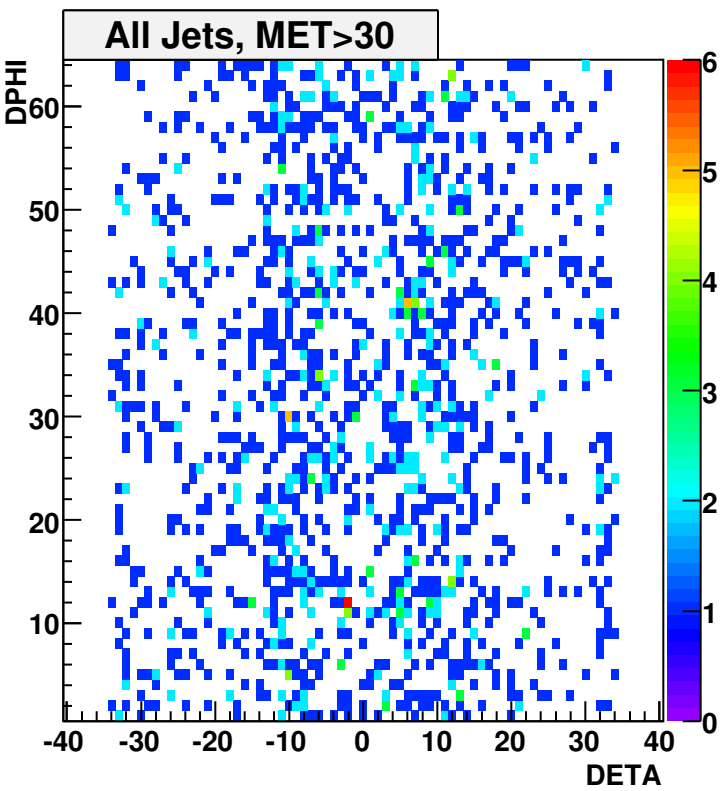


Calorimeter (All EC cells)

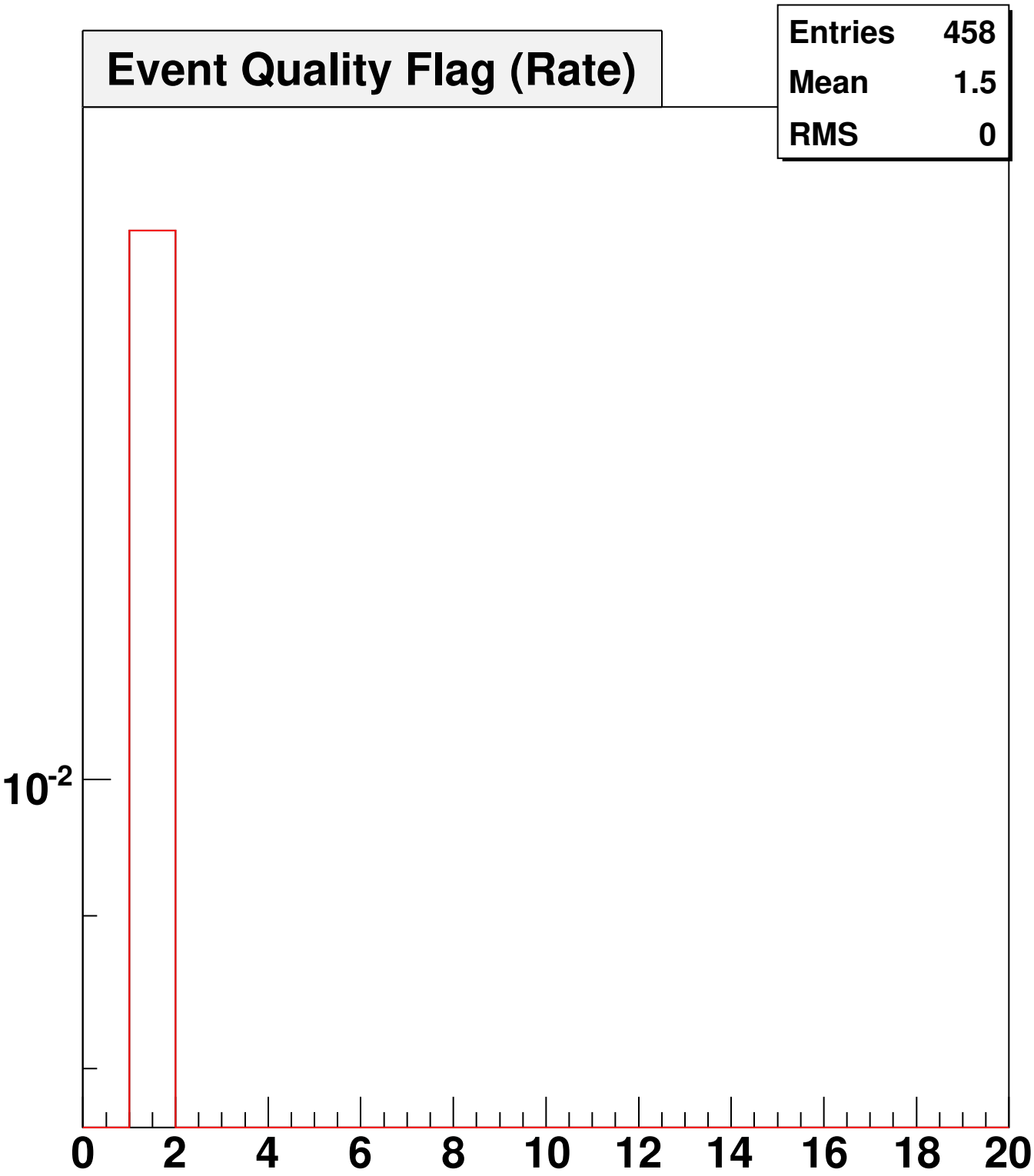


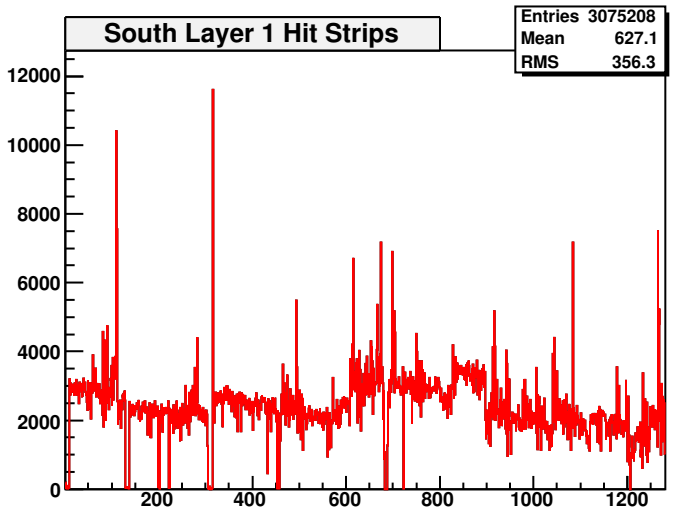


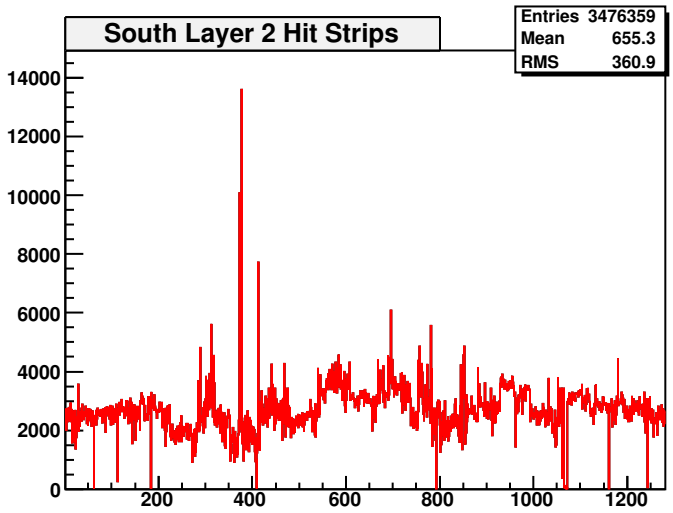


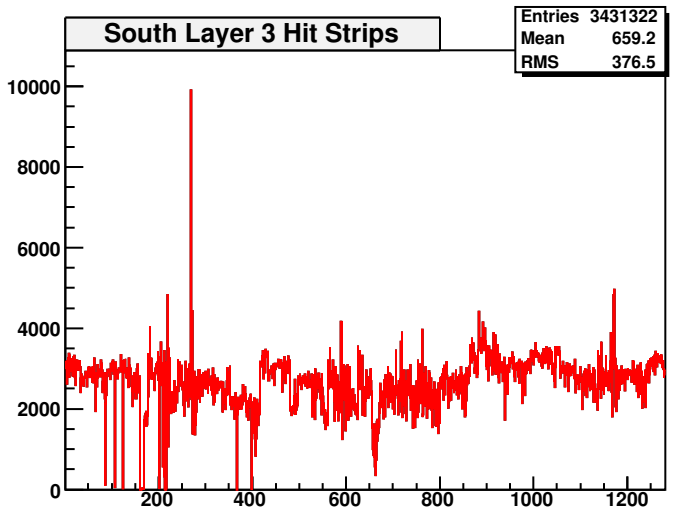


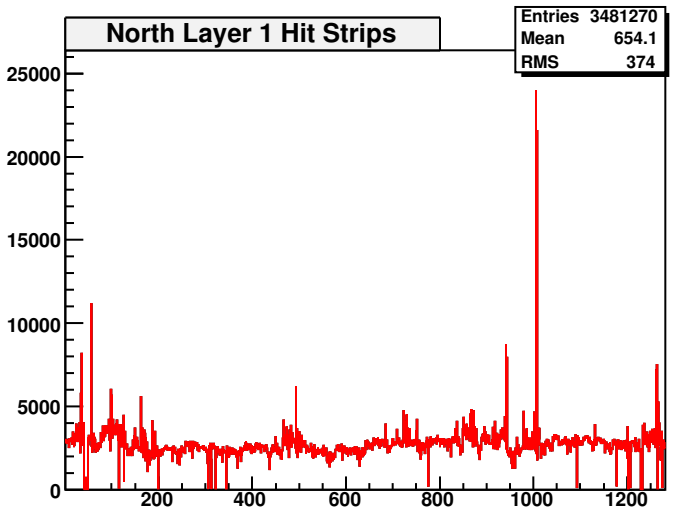
Cal Objects with MET>30 (All cells)

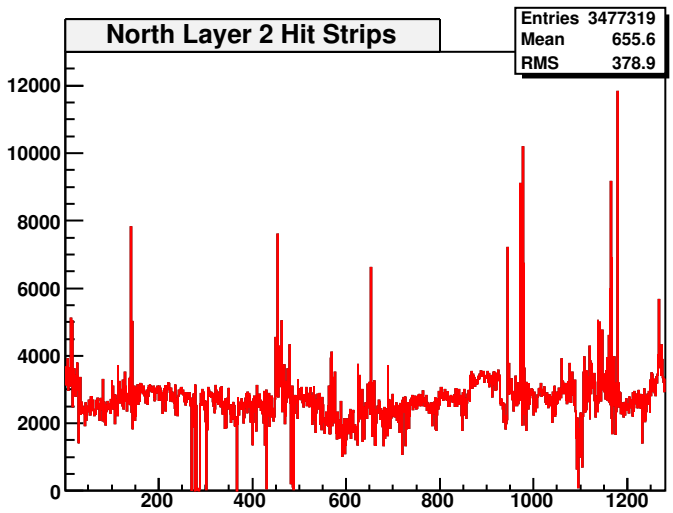

Event Quality Flag (Rate)
Entries 458
Mean 1.5
RMS 0
10^-2
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

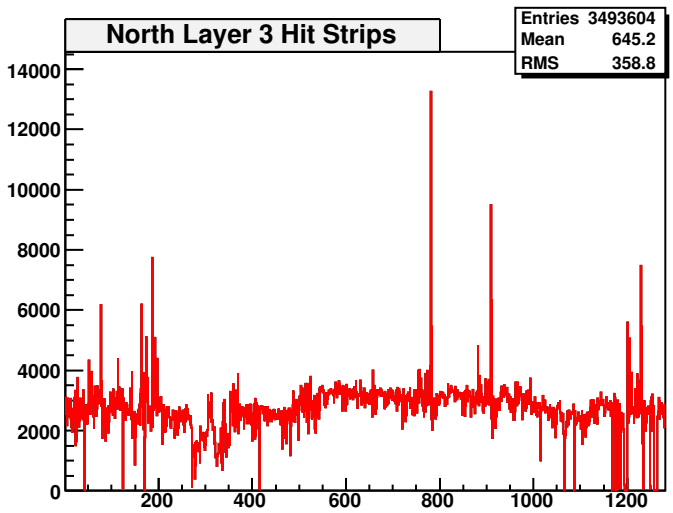




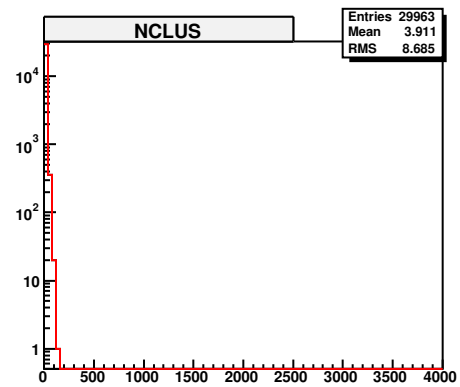


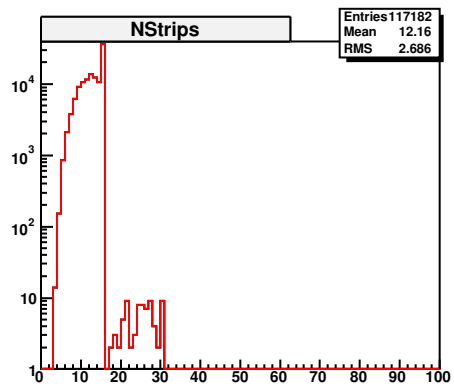


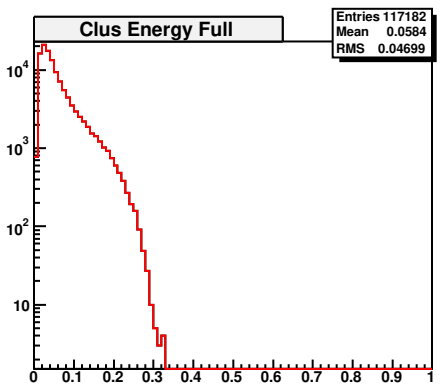


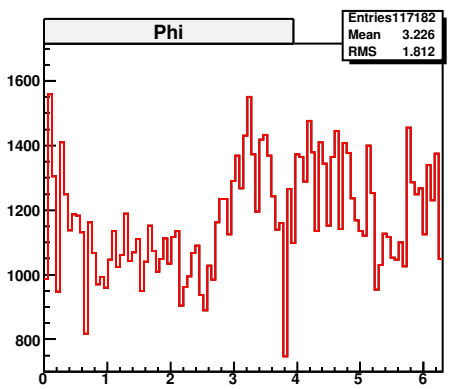


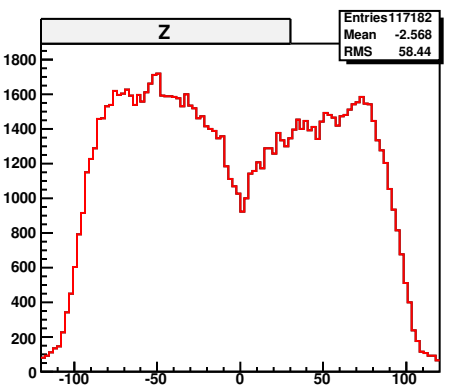
CPS Hit Strips (All Clusters)

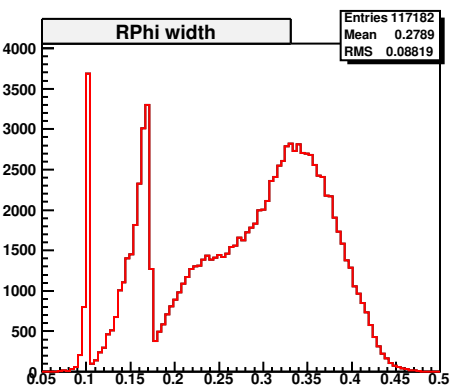


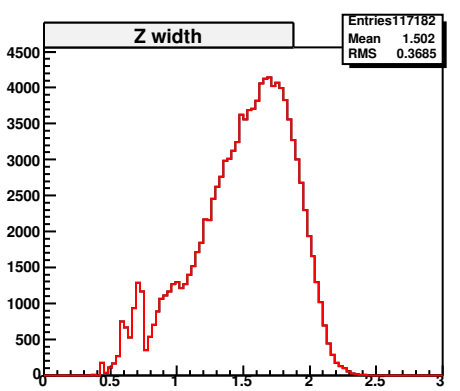


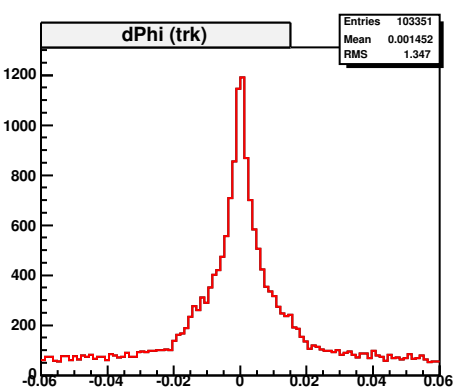


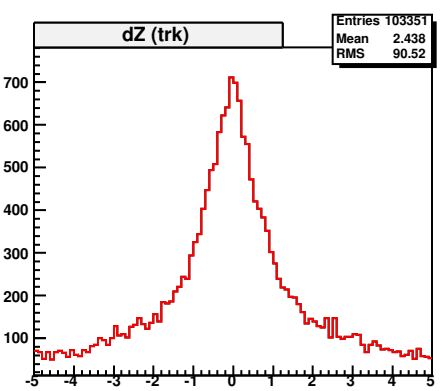


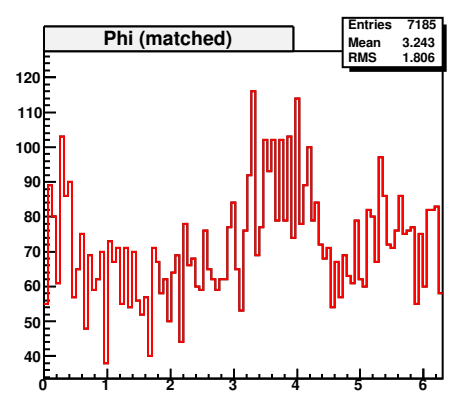


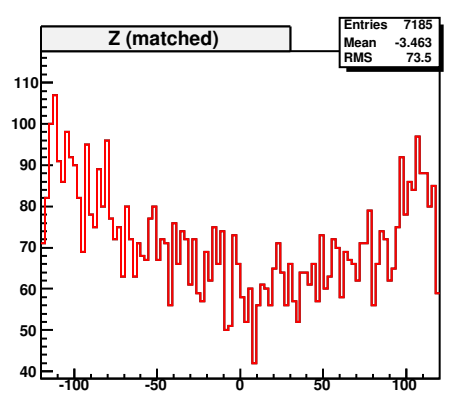




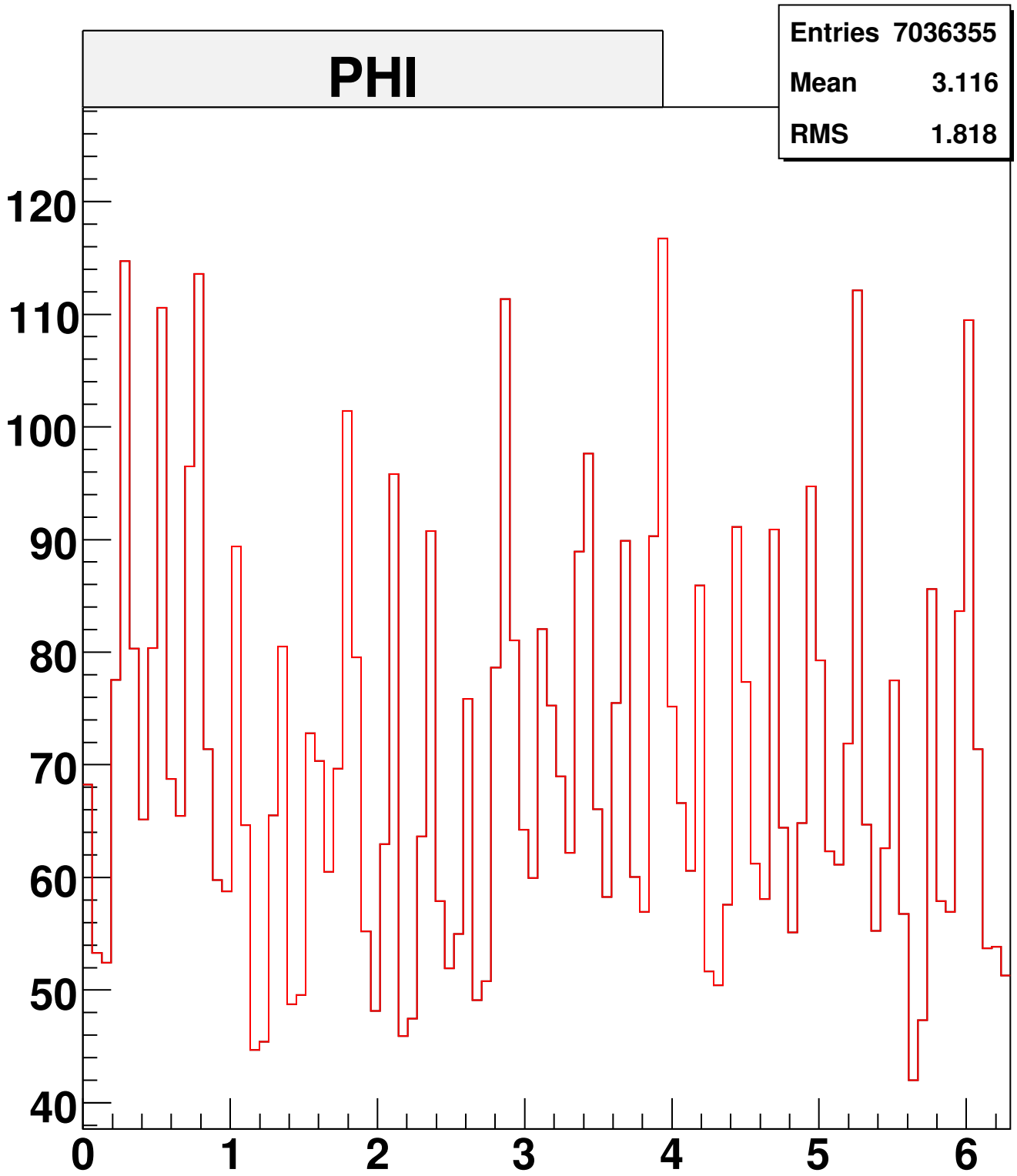


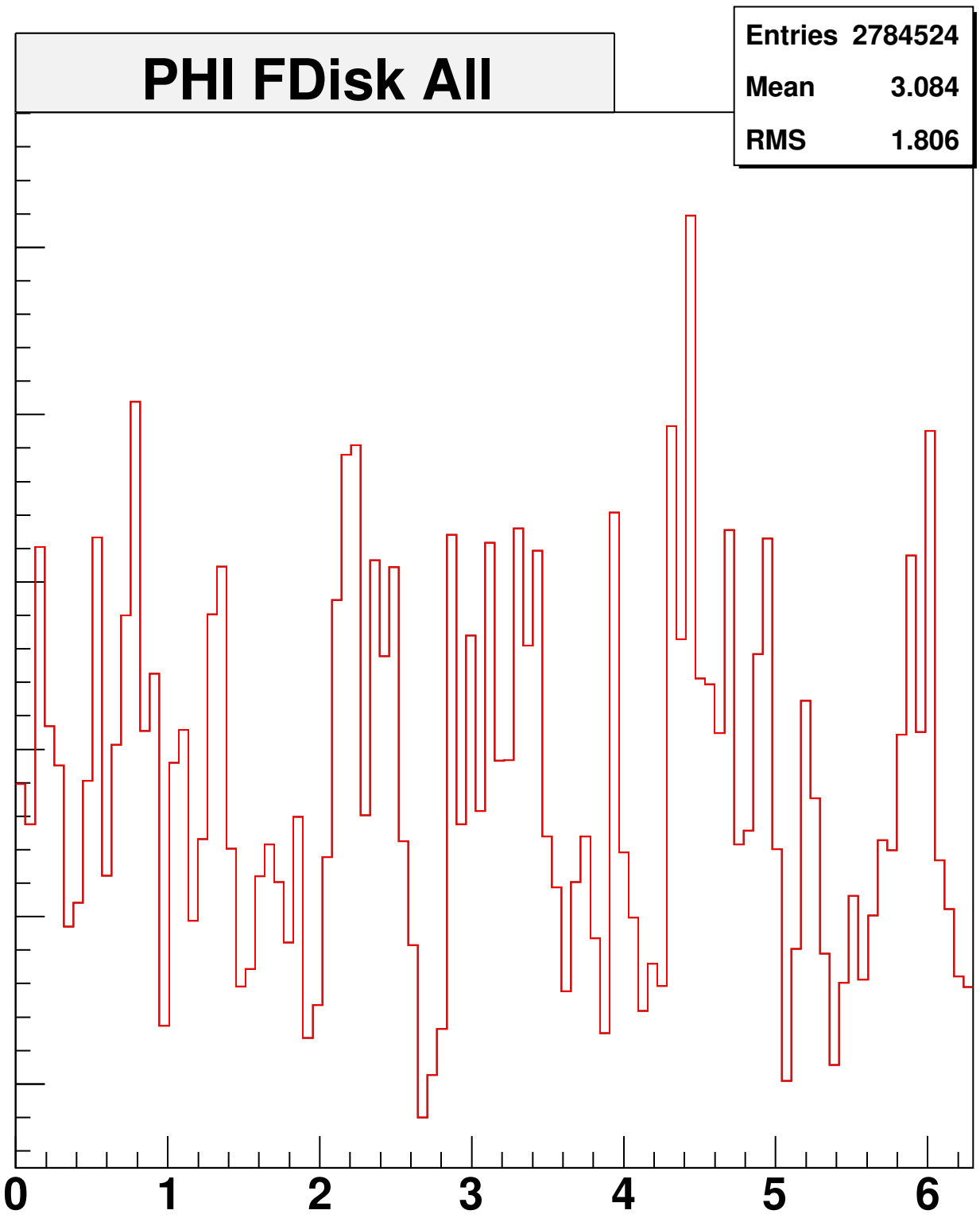


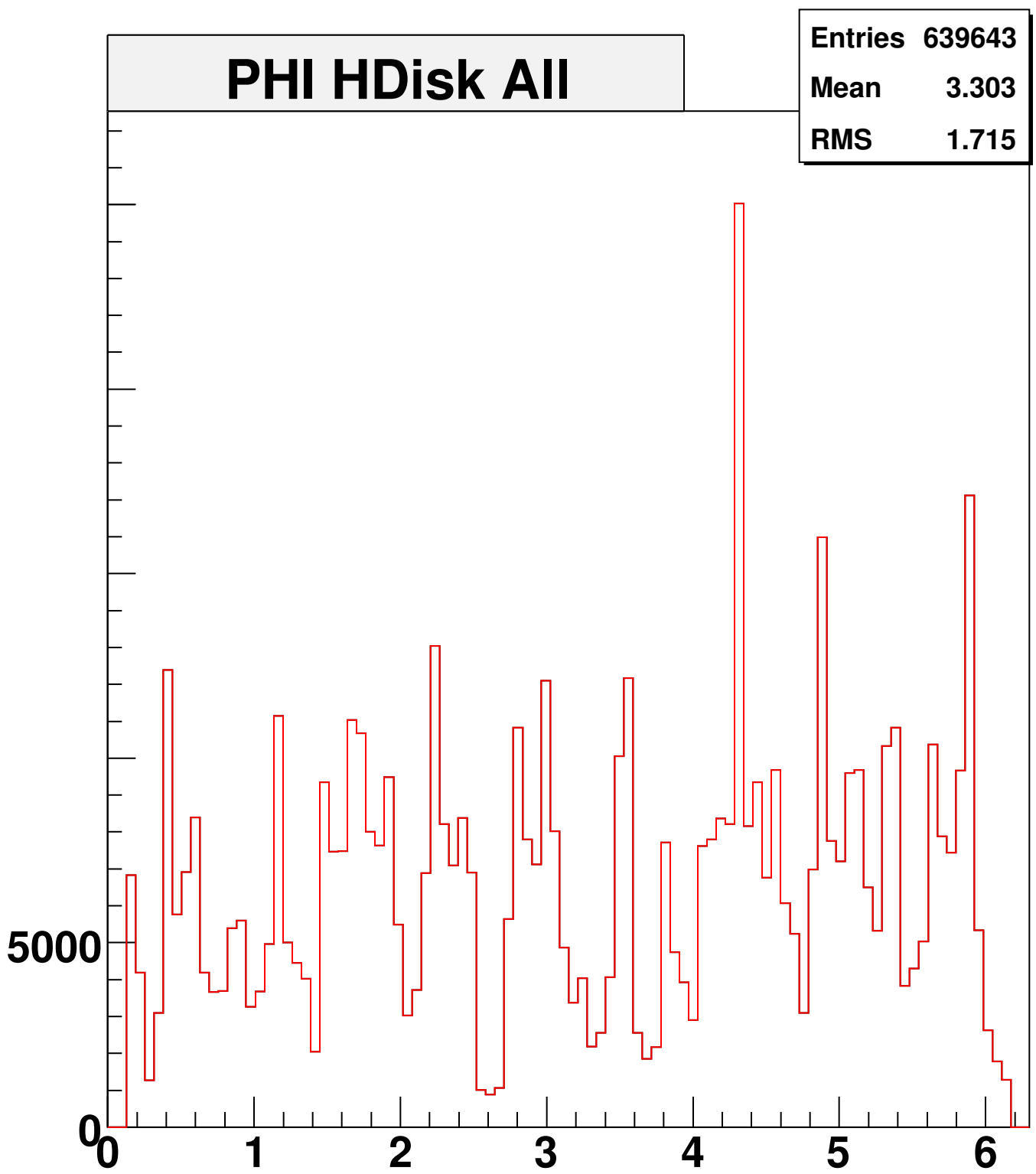


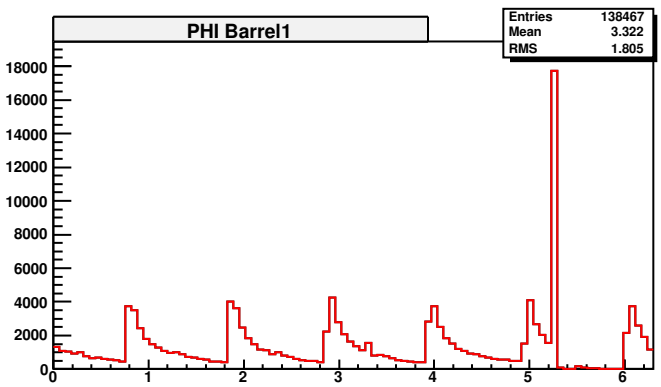


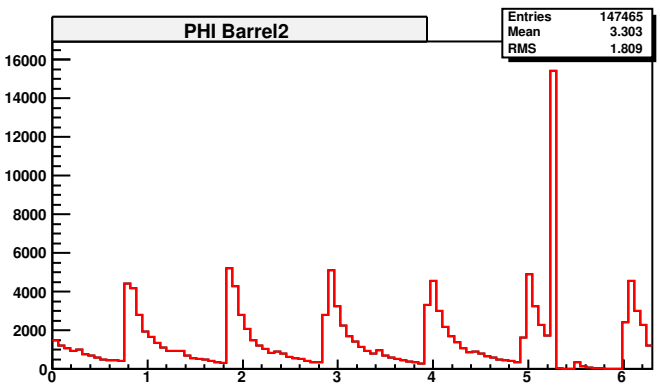
CPS Clusters (All Clusters)

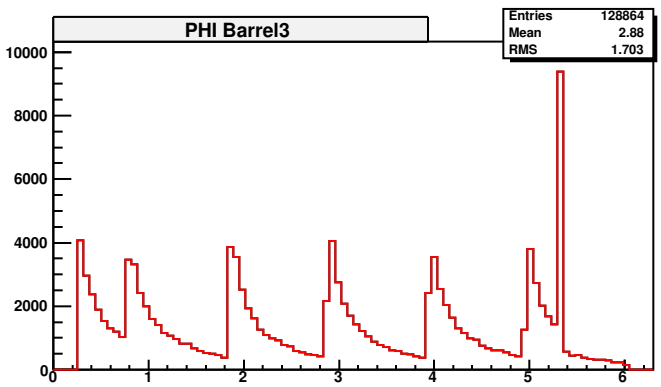

PHI
Entries 7036355
Mean 3.116
RMS 1.818
120
110
100
90
80
70
60
50
40
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

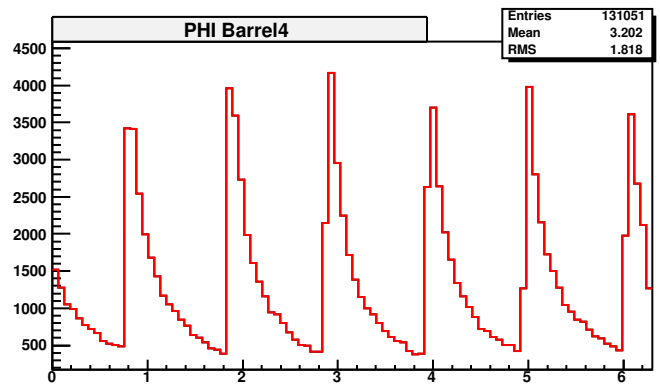

PHI FDisk All
Entries 2784524
Mean 3.084
RMS 1.806
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

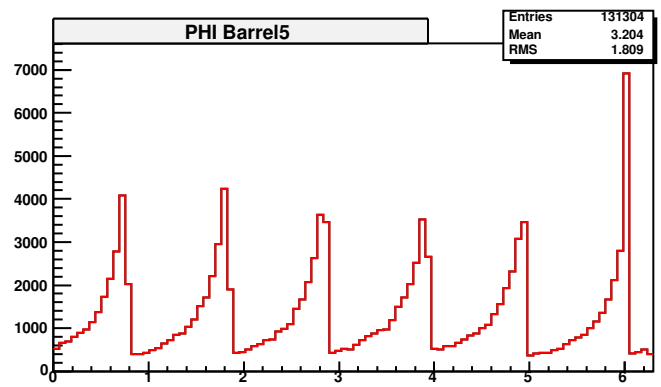

PHI HDisk All
Entries 639643
Mean 3.303
RMS 1.715
5000
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

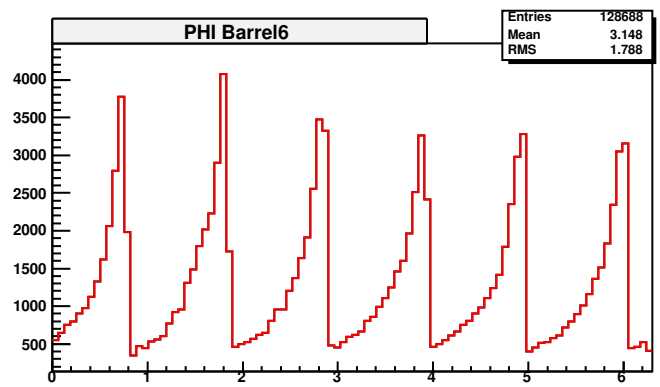


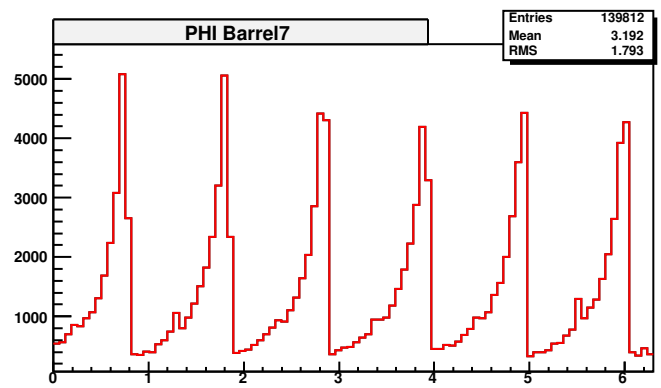


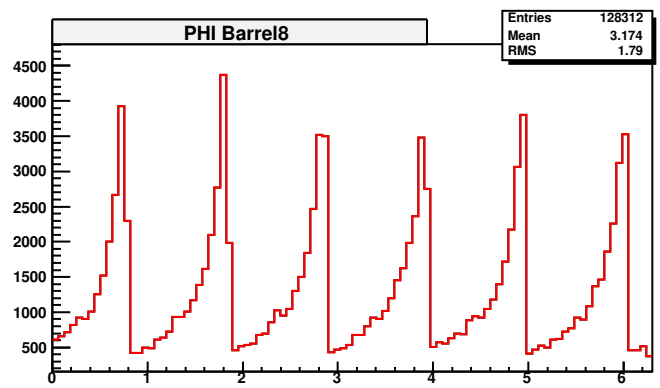




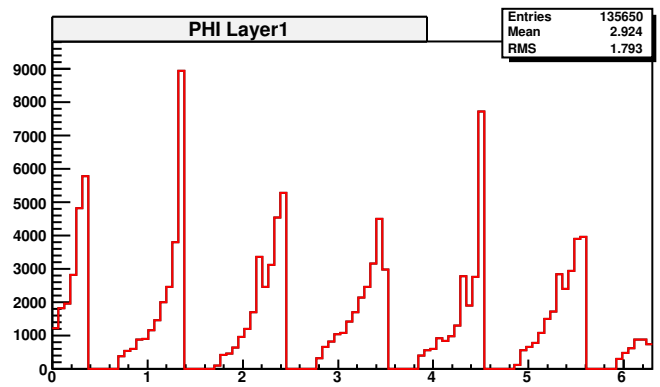


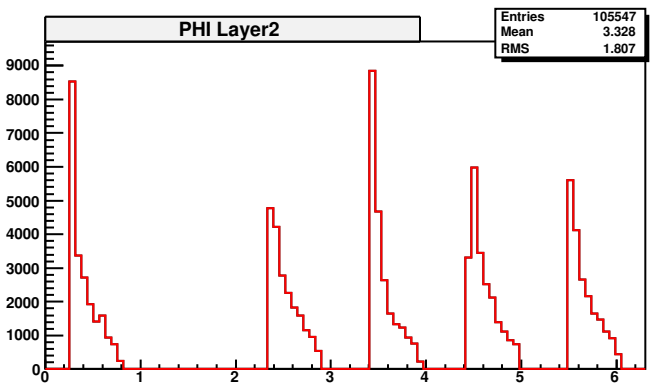


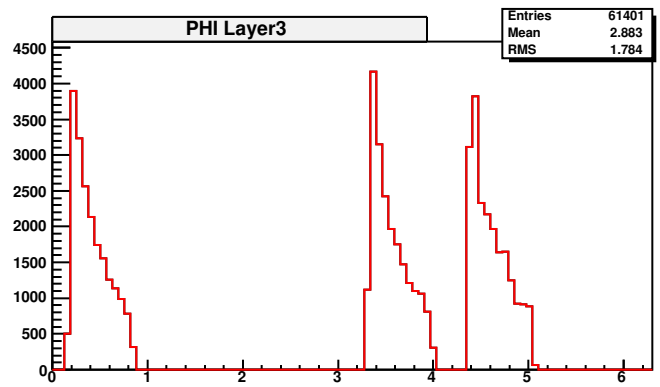


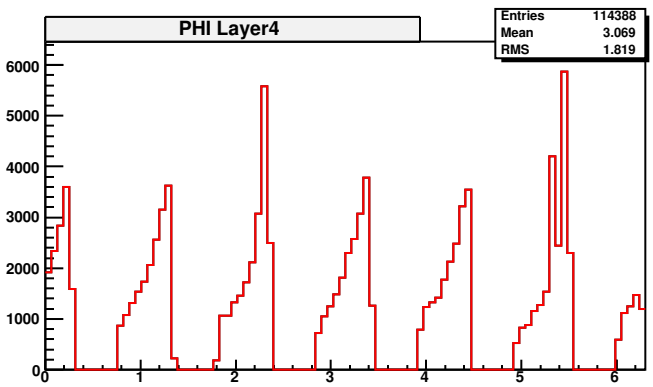


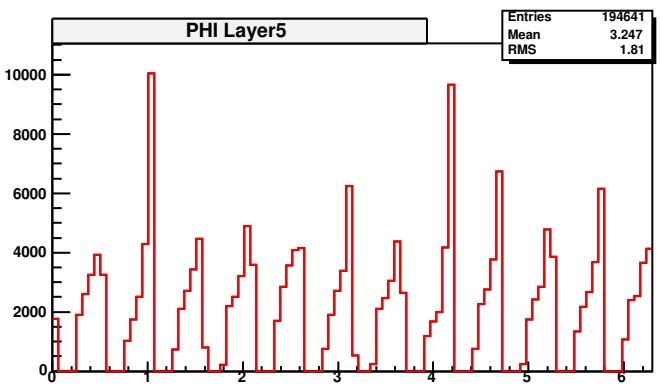
SmtClusters (ClustrLayer0)

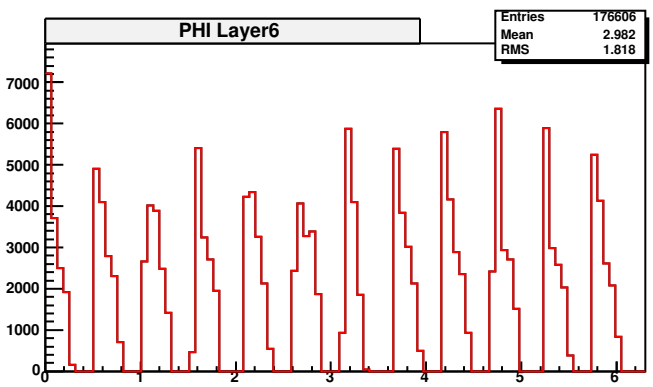


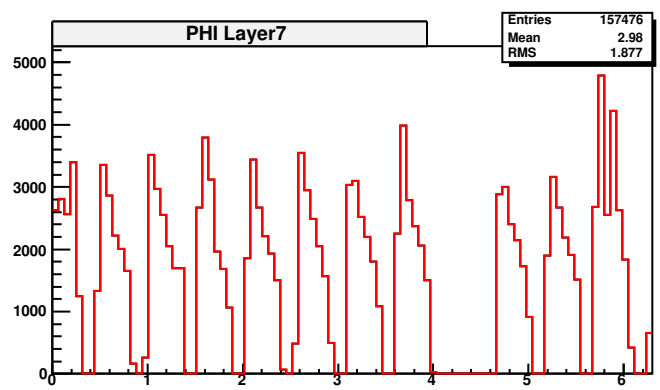


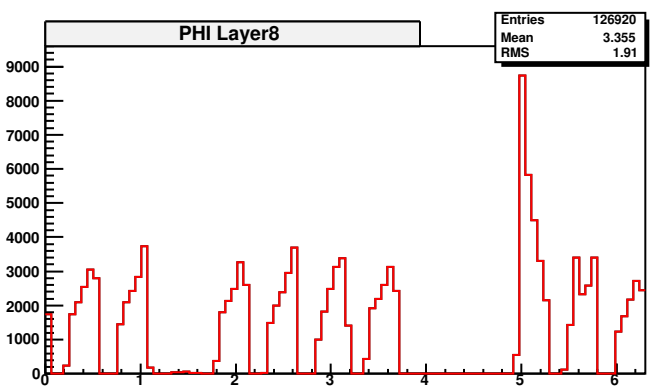




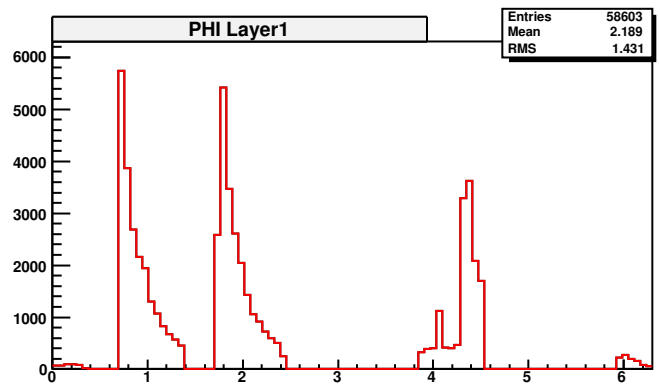


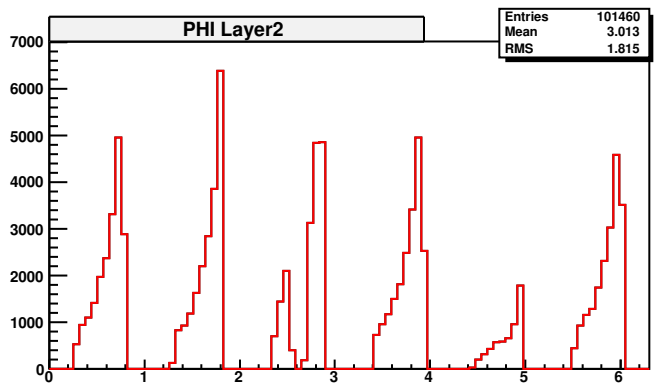


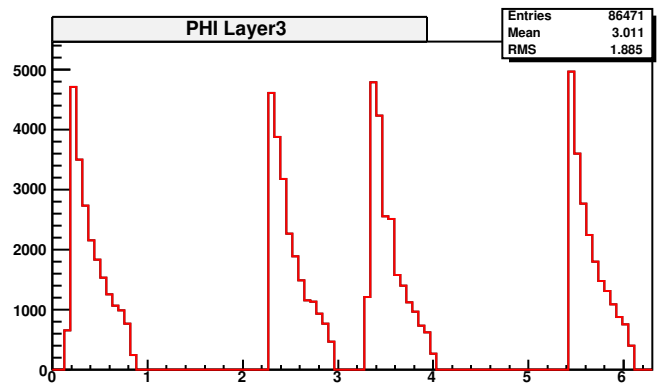


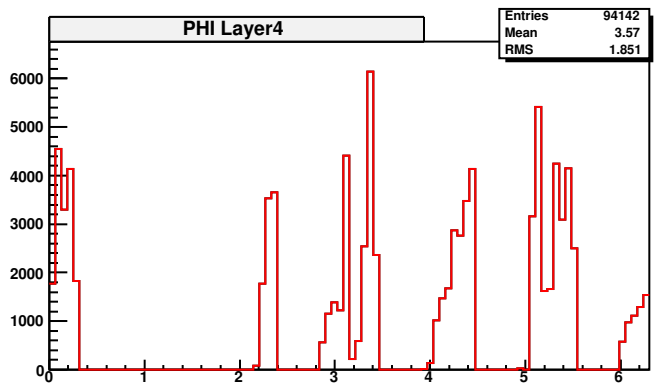


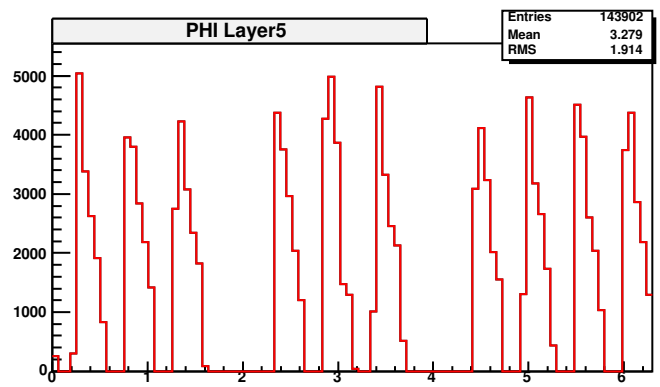
SmtClusters (ClustrBar1)

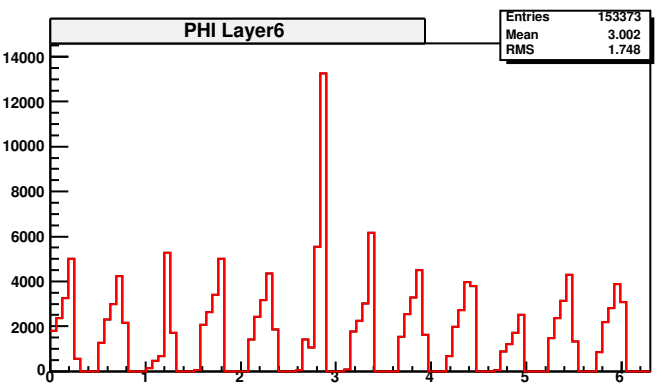


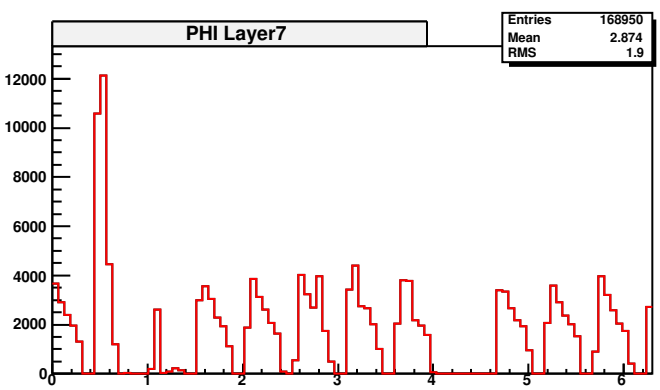


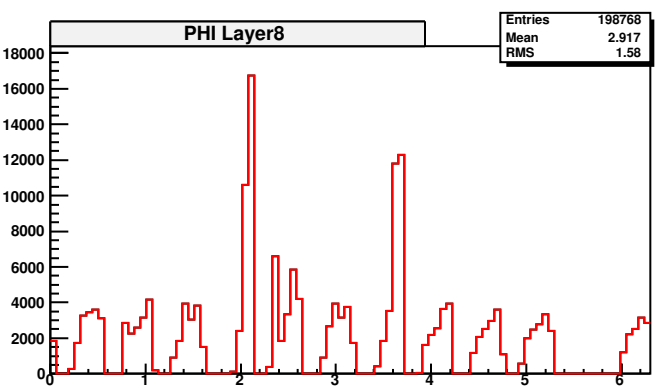




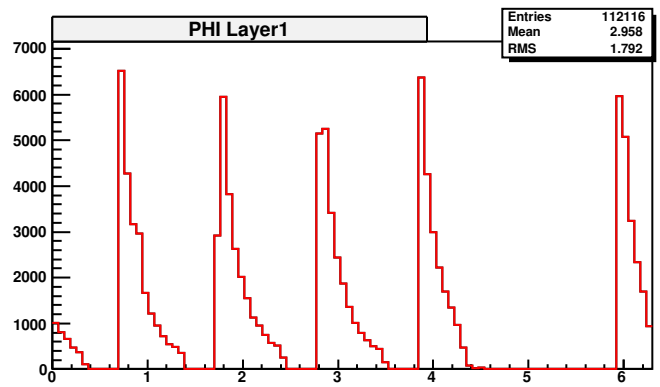


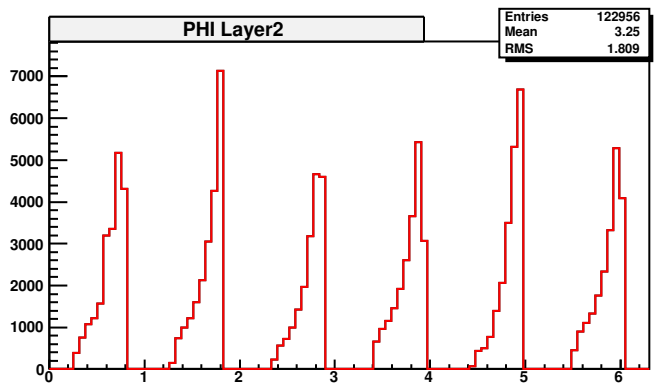


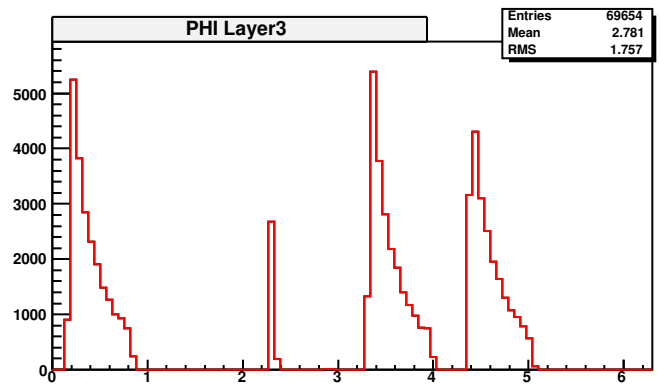


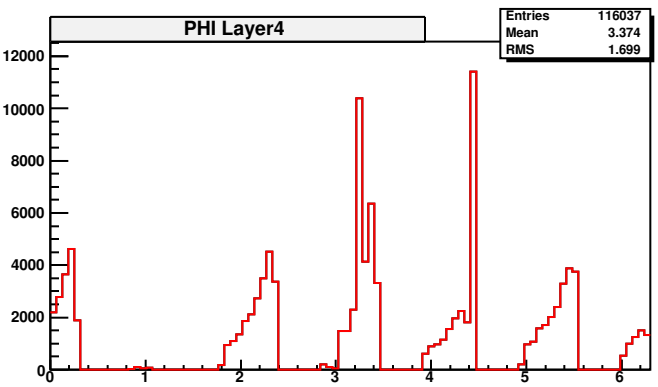


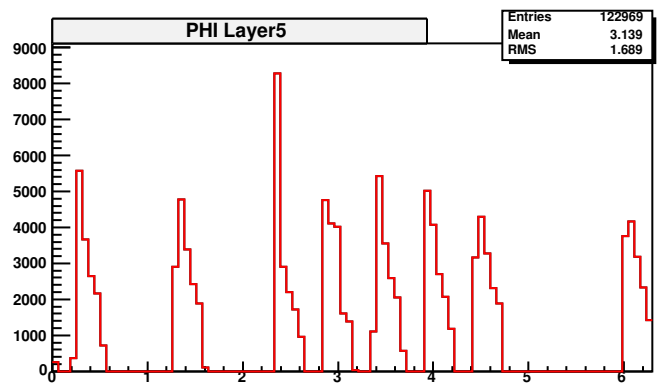
SmtClusters (ClustrBar2)

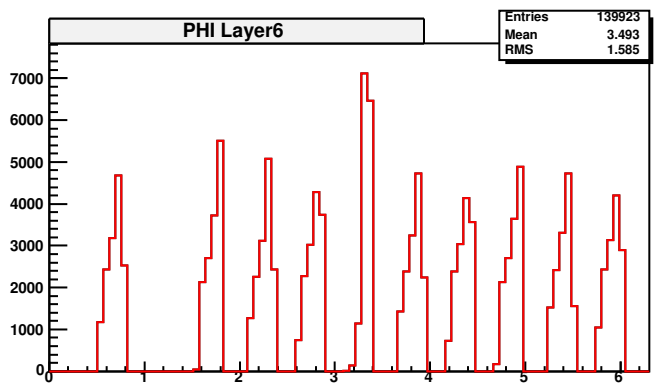


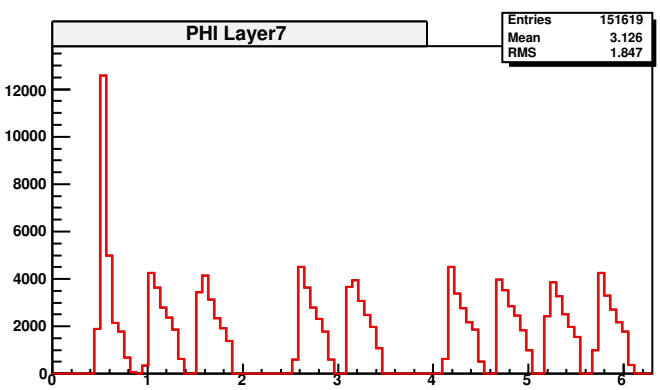


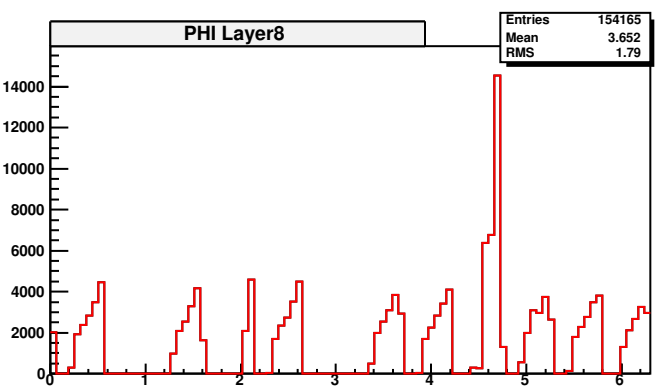




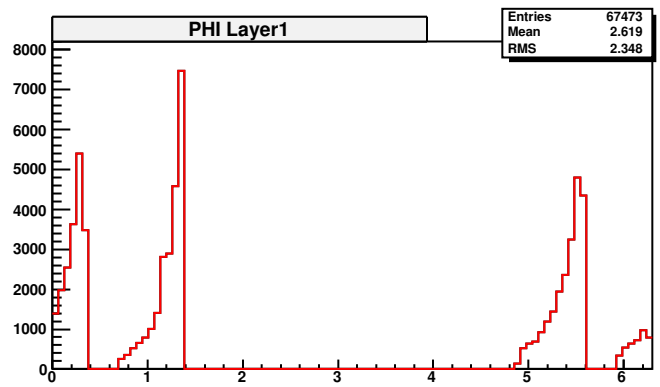


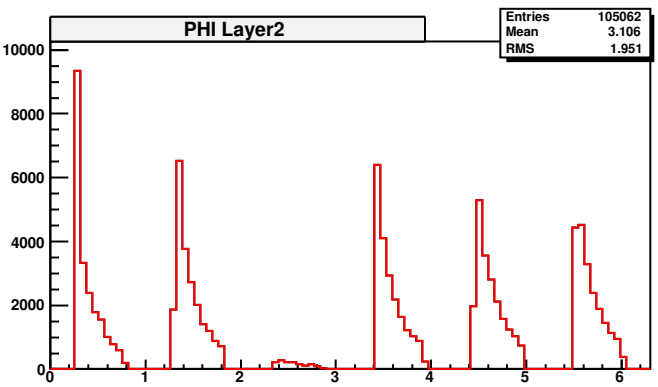


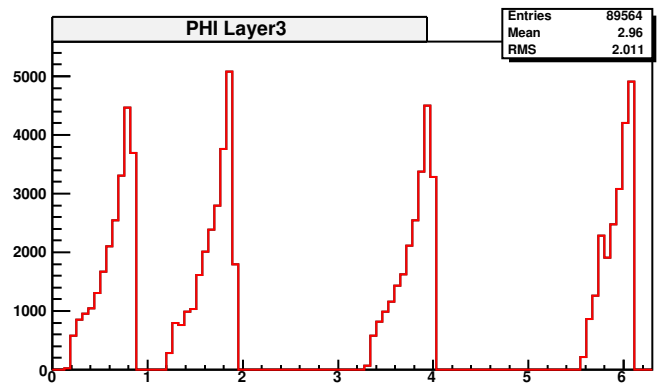


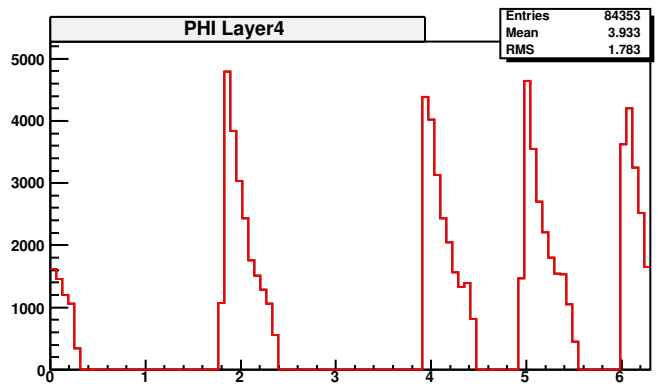


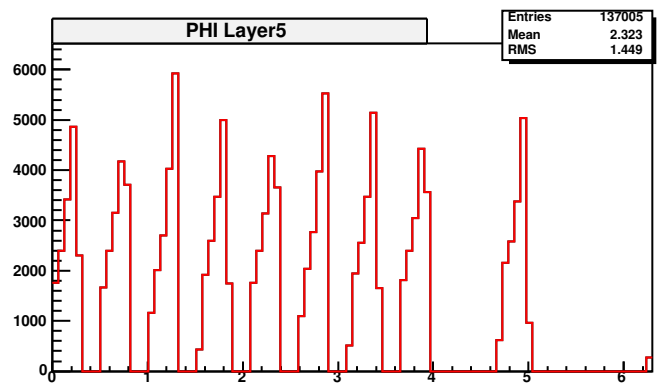
SmtClusters (ClustrBar3)

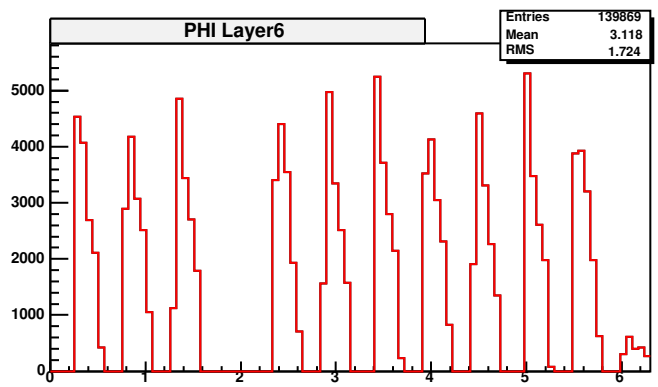


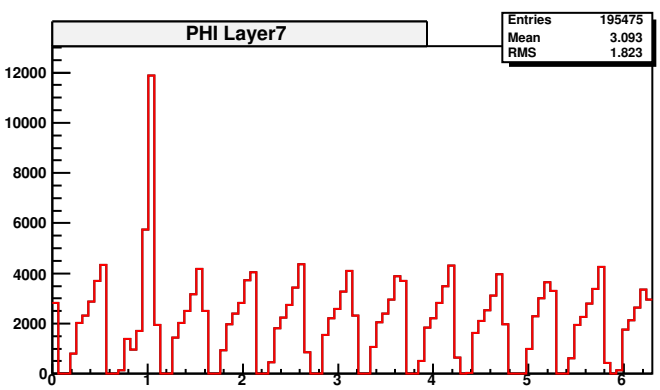


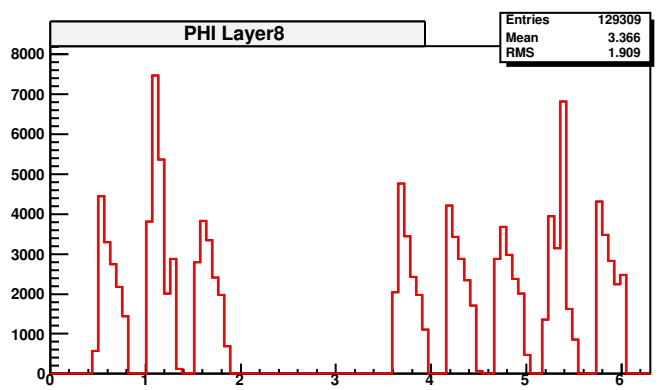




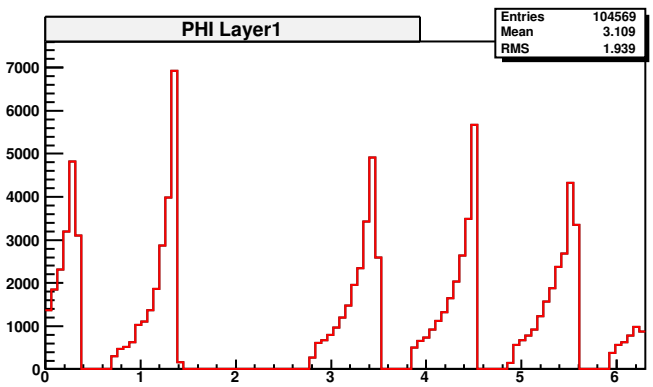


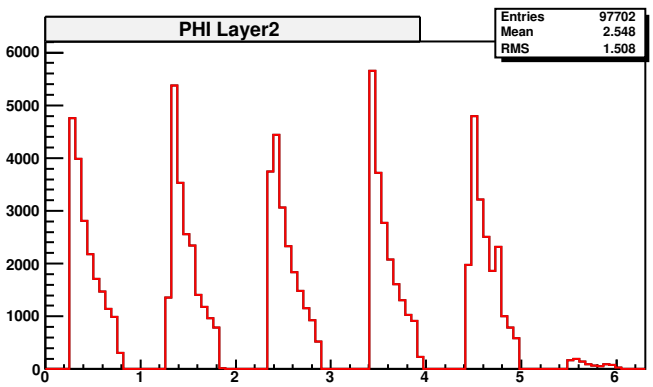


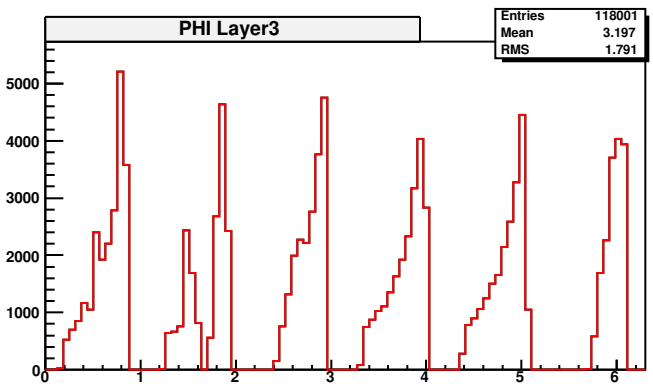


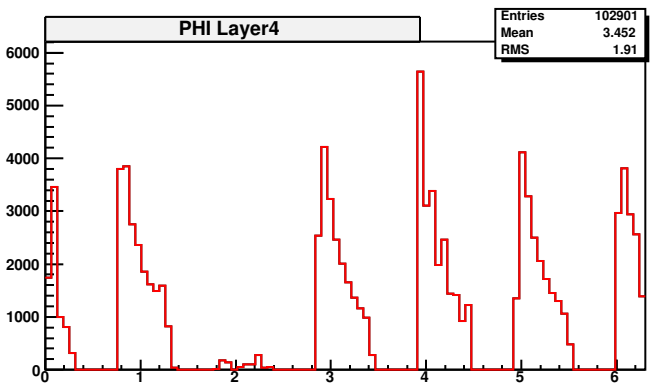


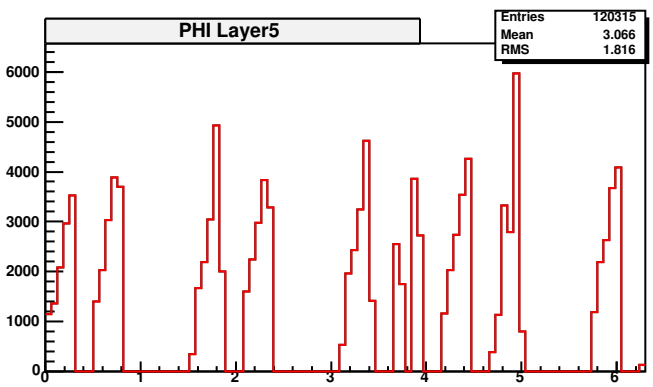
SmtClusters (ClustrBar4)

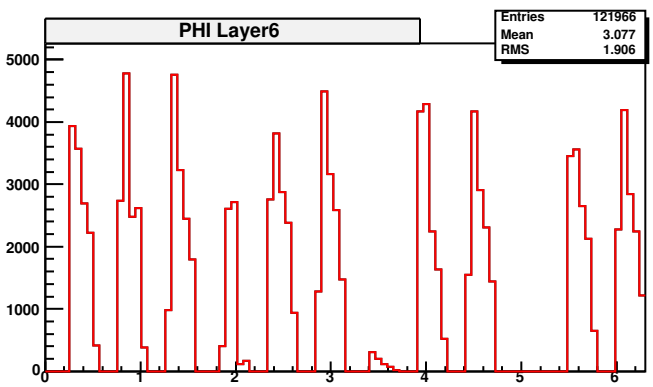


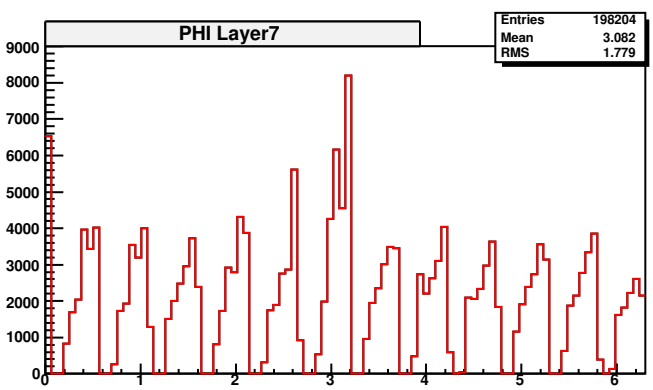


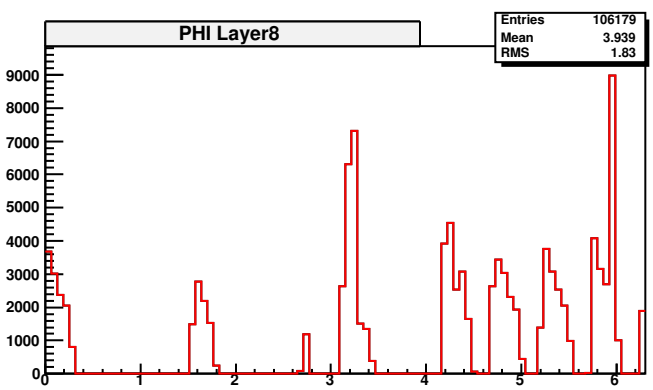




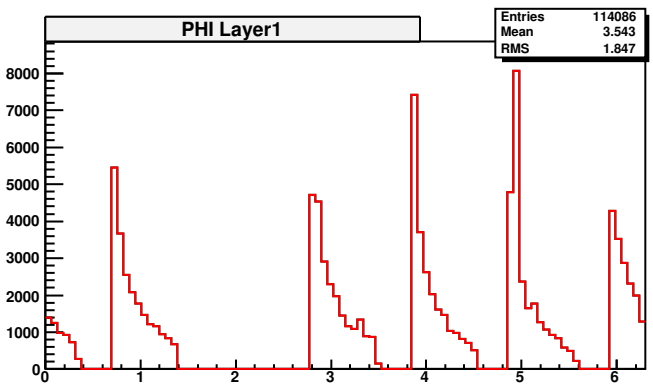


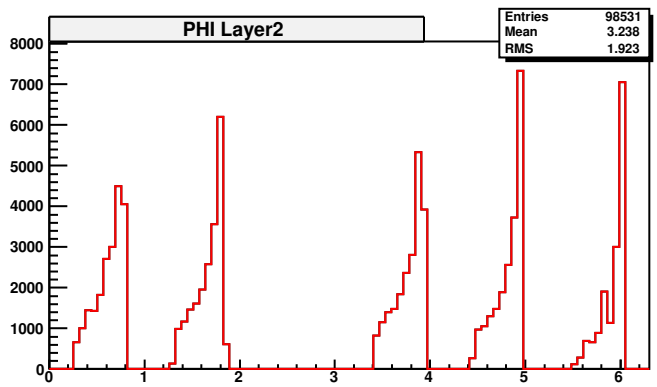


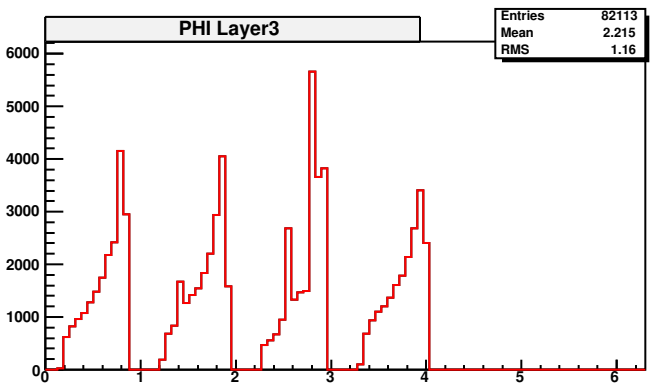


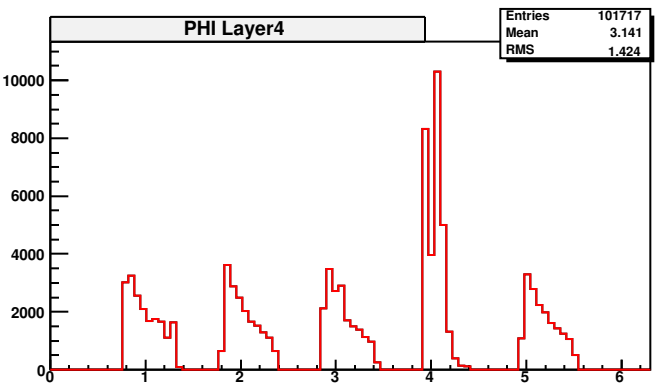


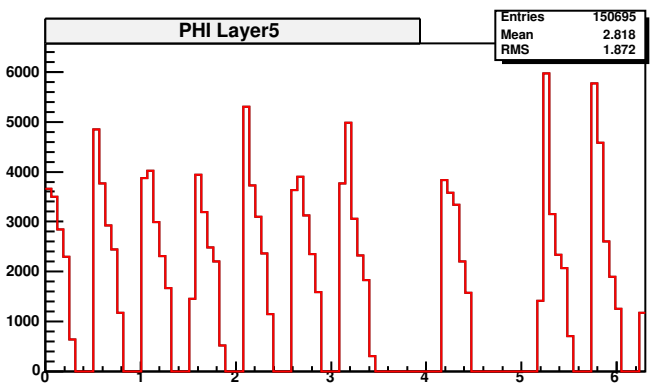
SmtClusters (ClustrBar5)

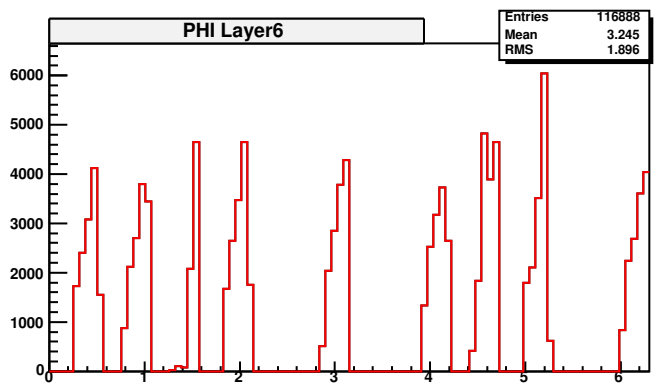


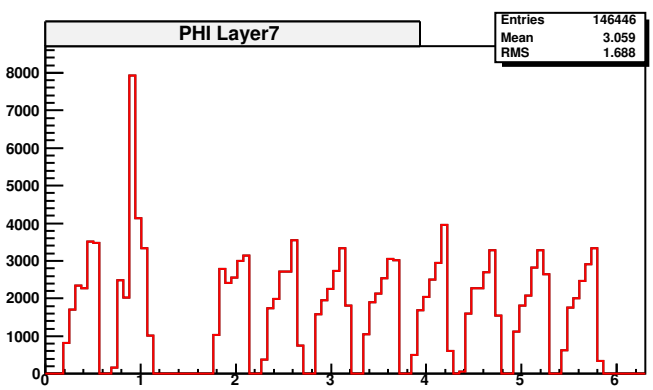


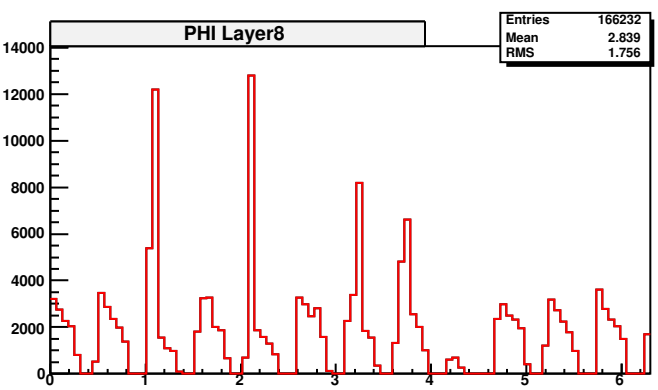




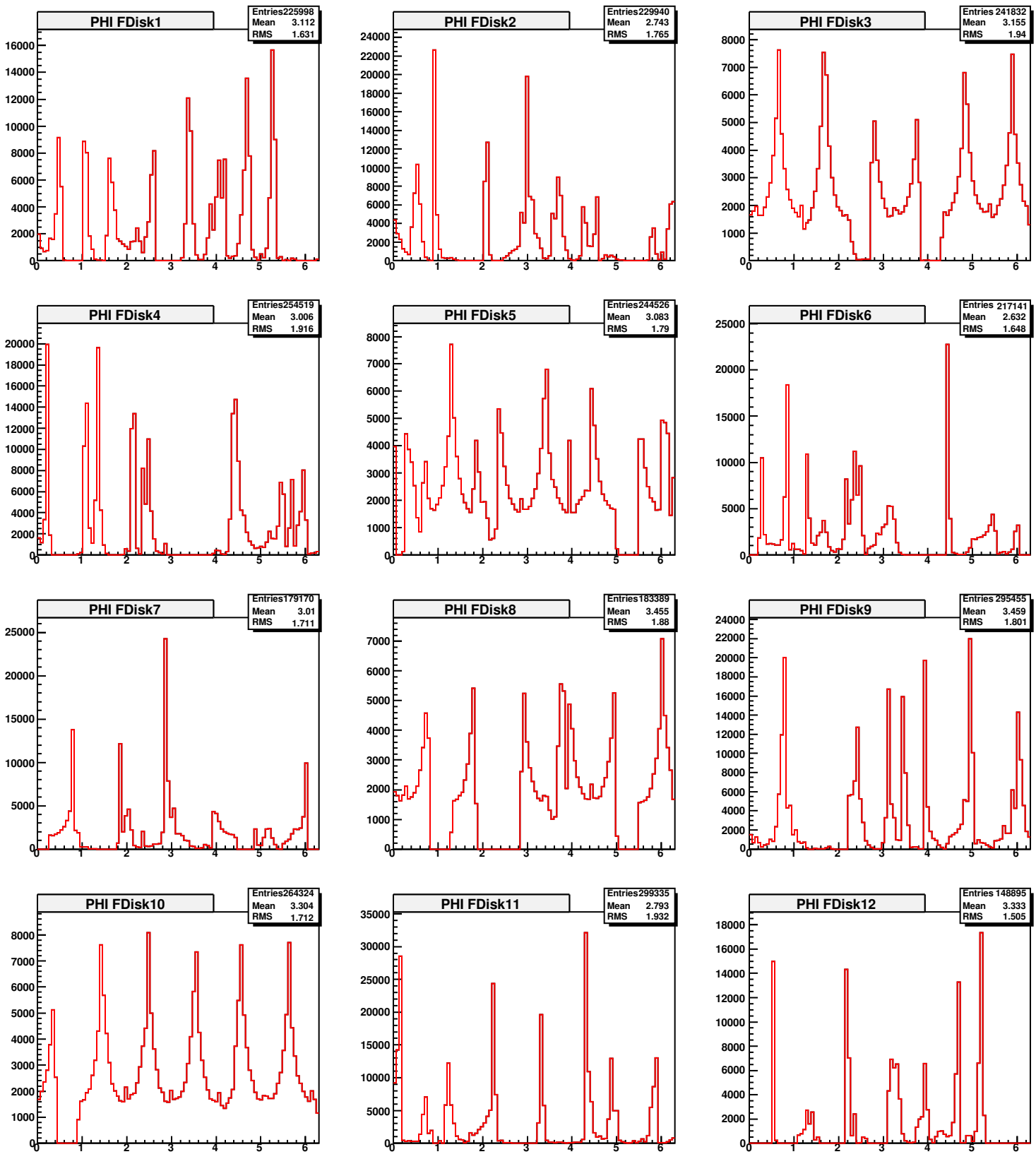




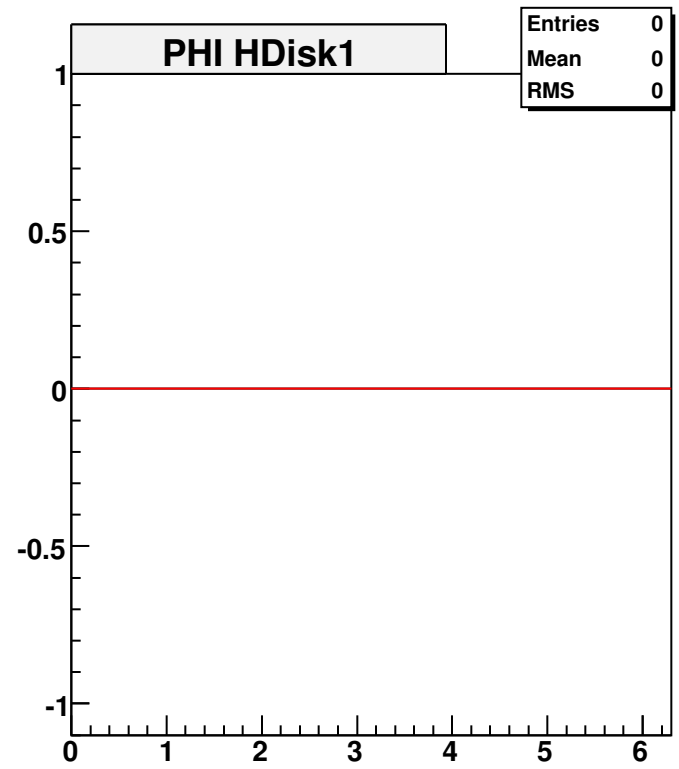


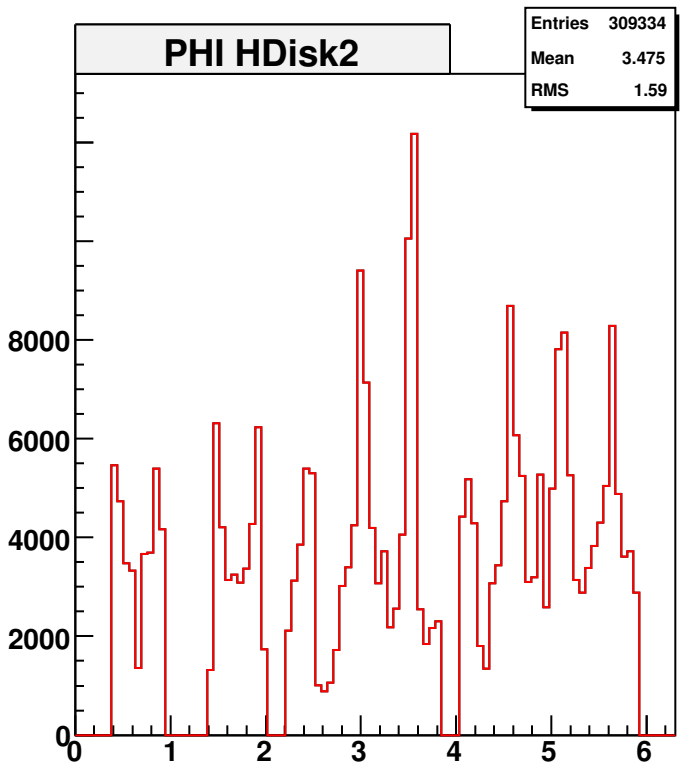


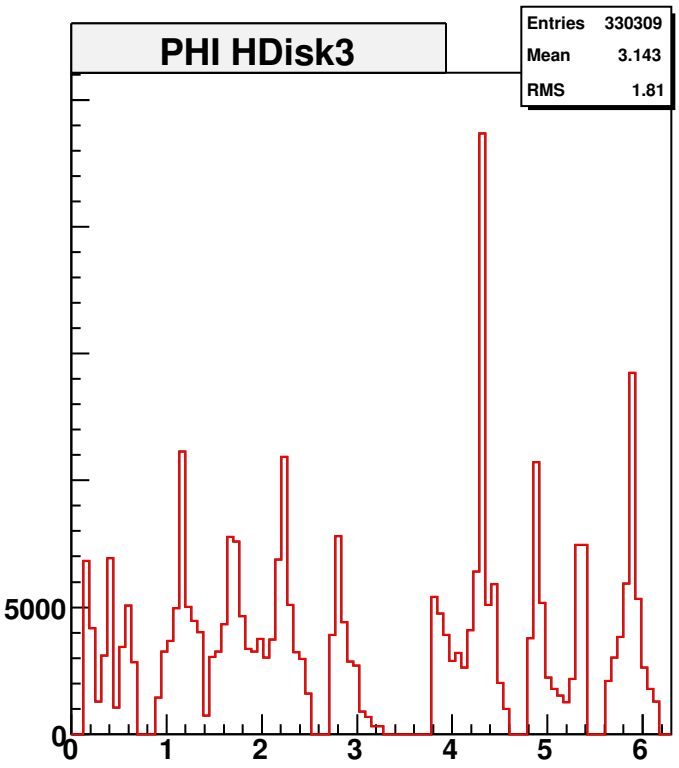
SmtClusters (ClustrBar6)

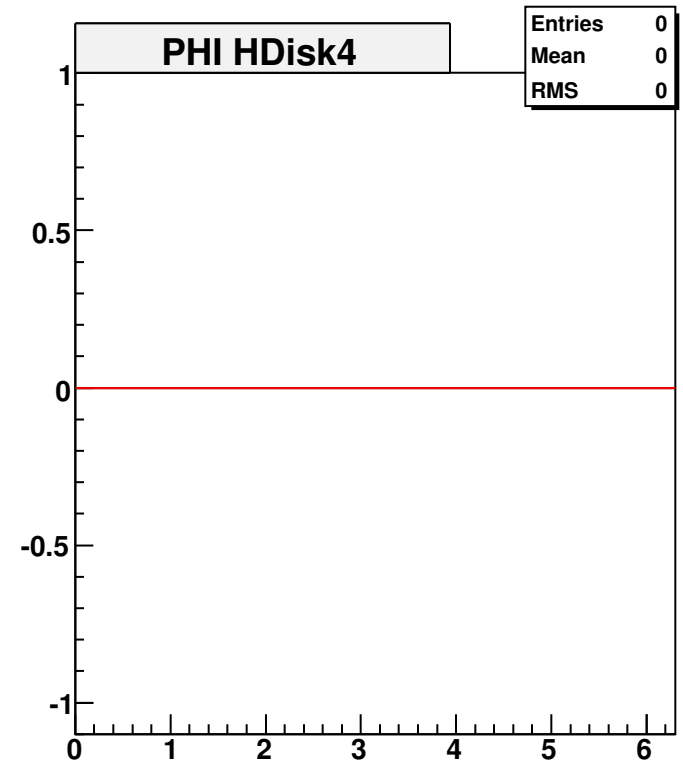


SmtClusters (FDiskClusters)

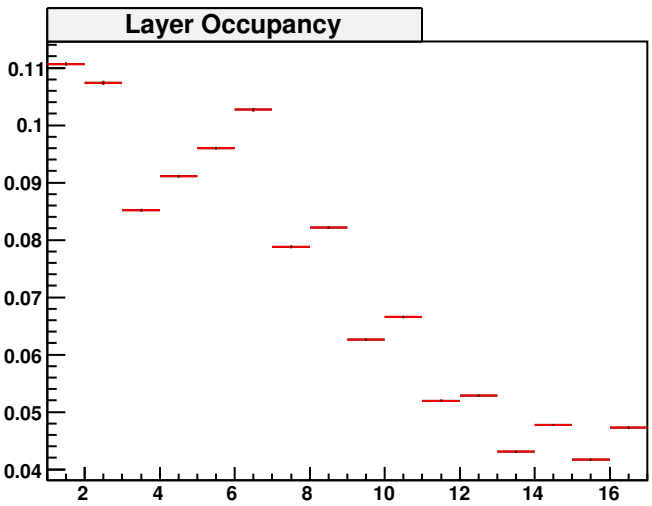


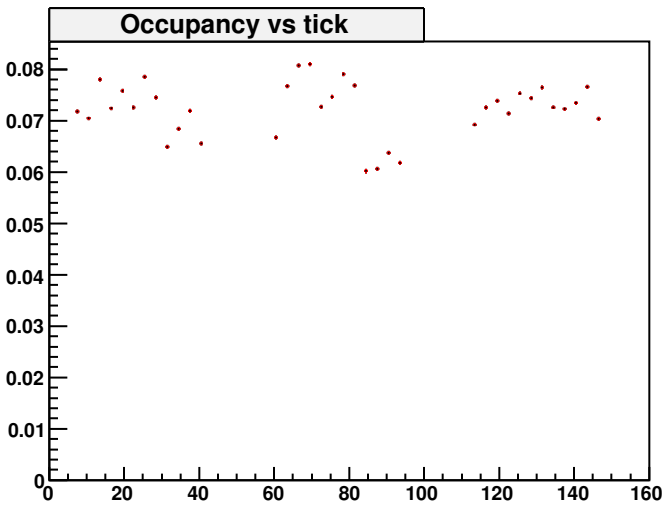


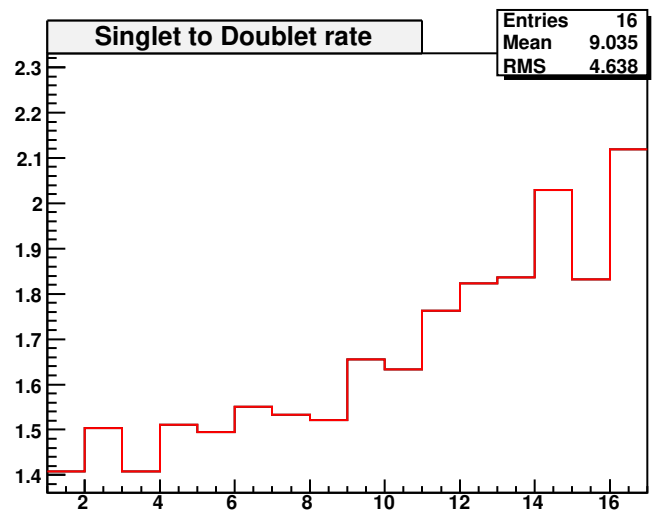


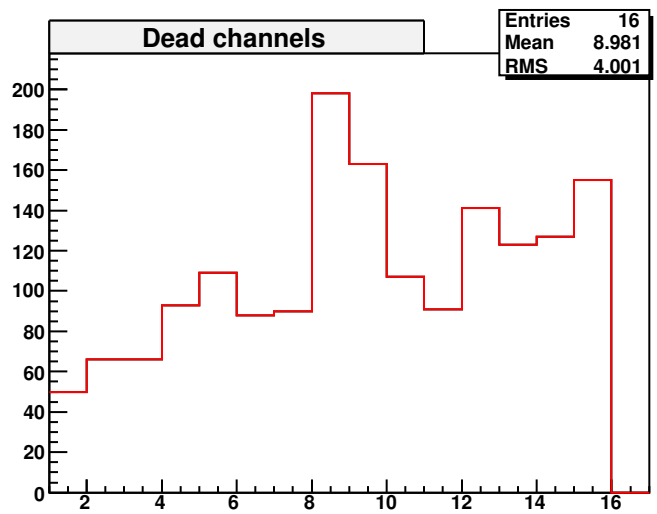


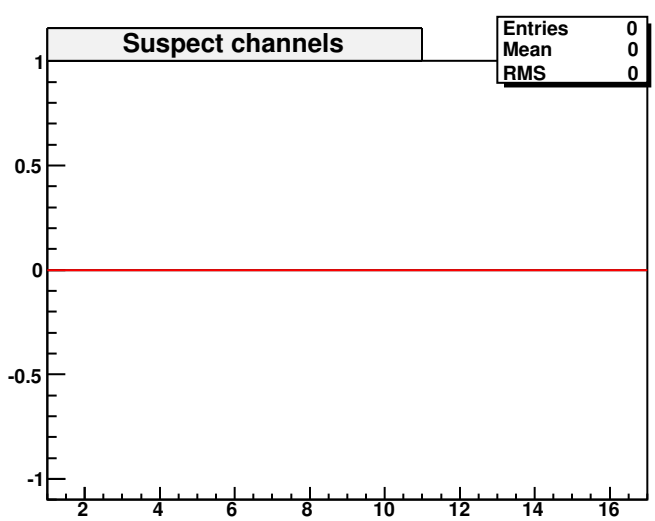
SmtClusters (HDiskClusters)

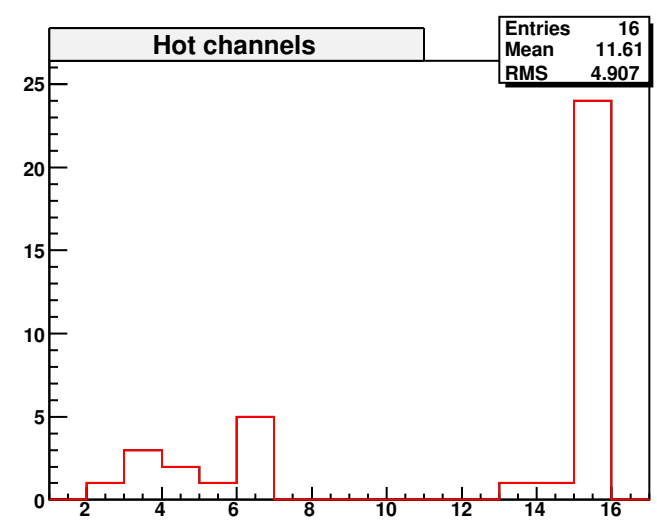




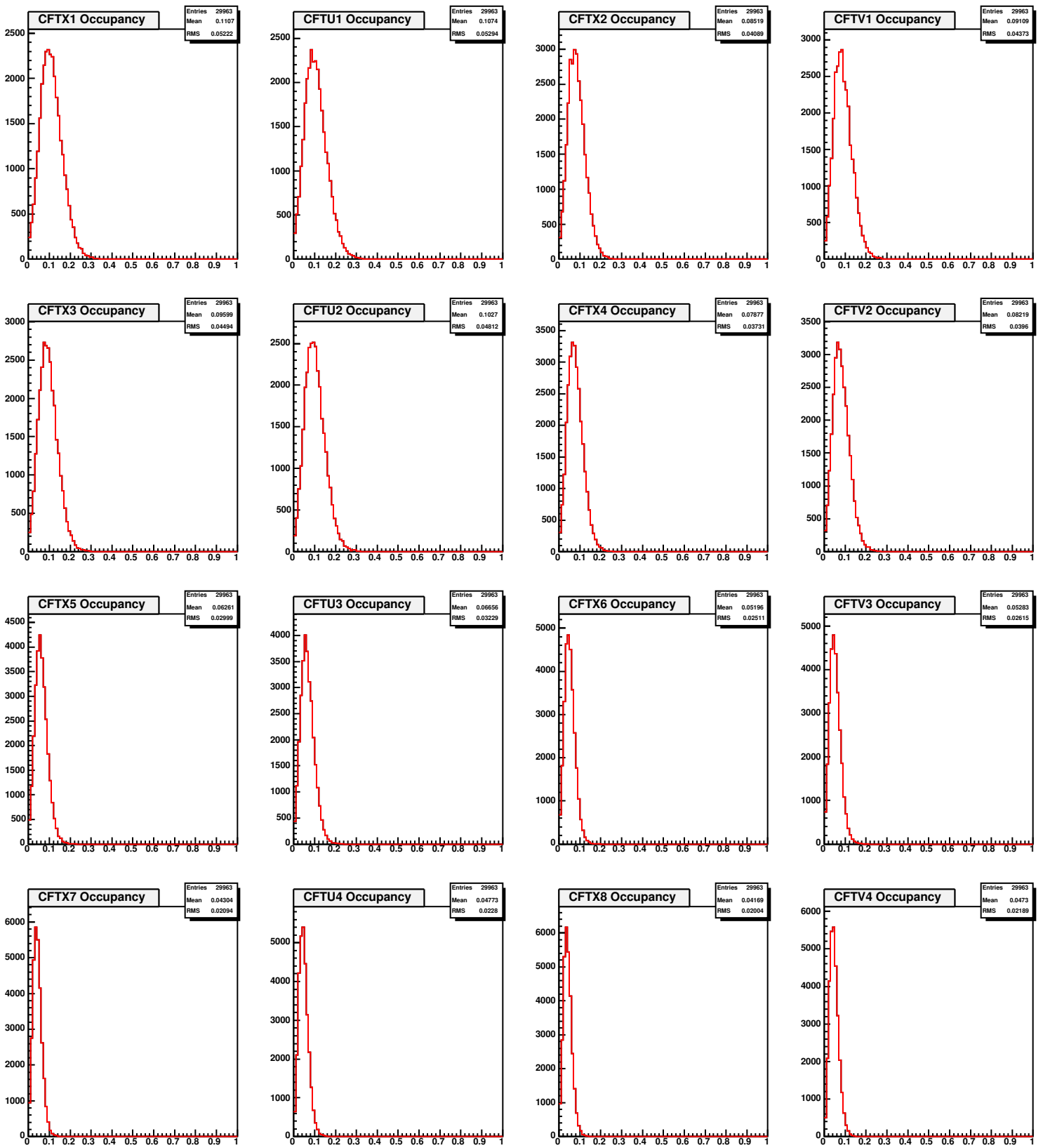




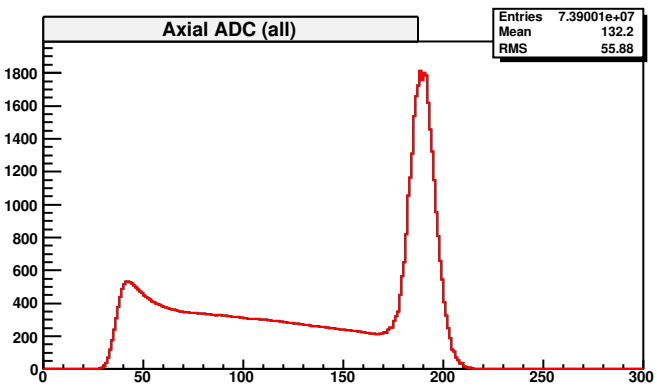


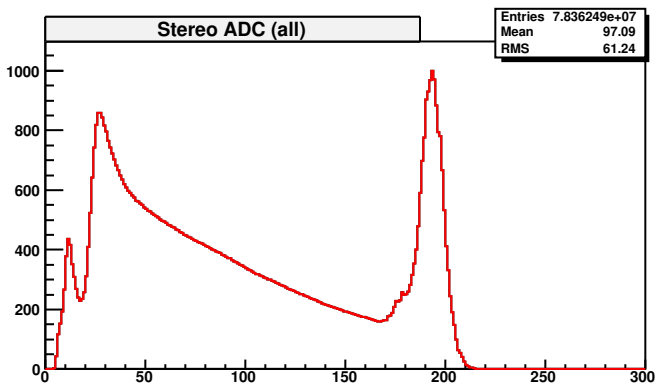


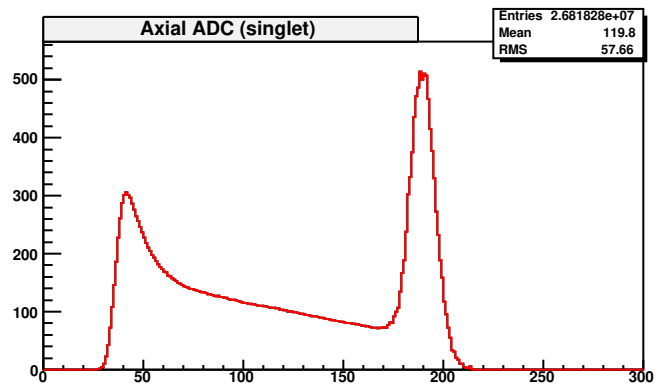
CFT Summary (All Clusters)

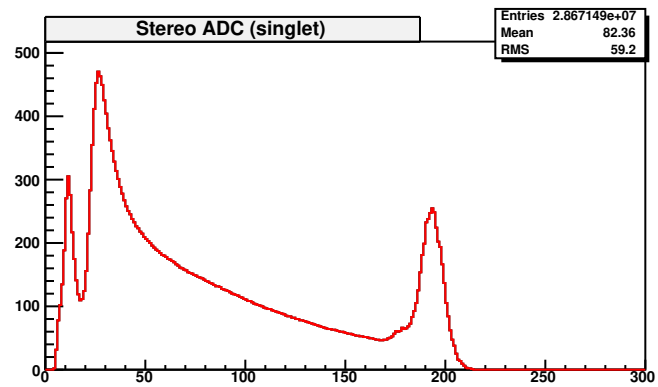


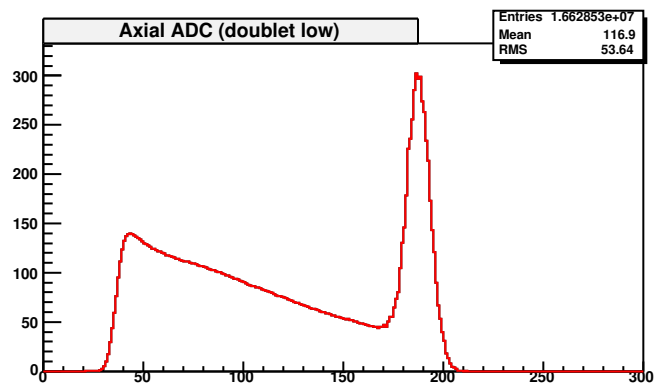
CFT Occupancy (All Clusters)

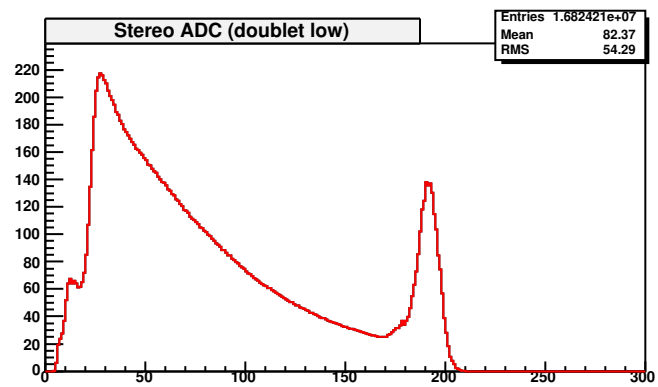


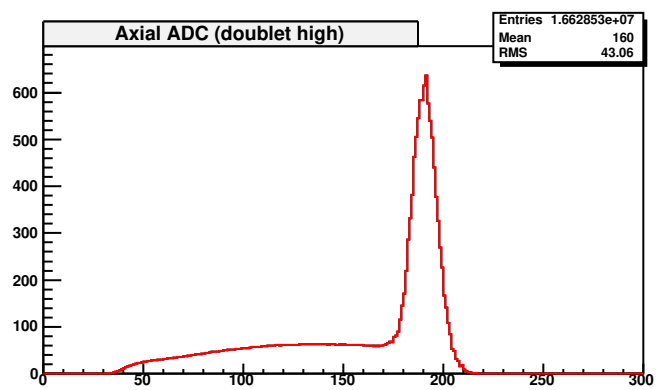


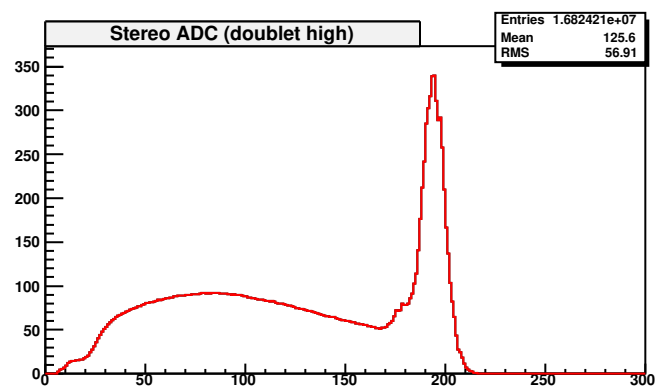




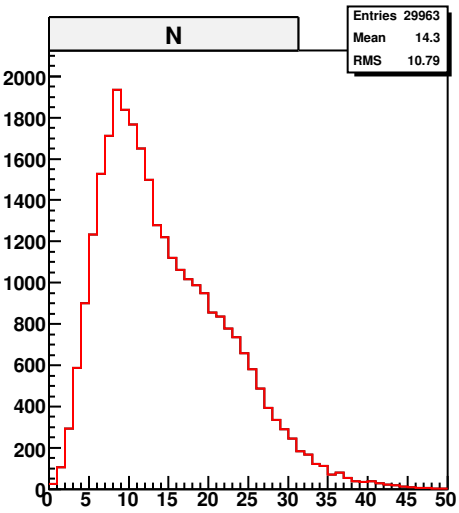


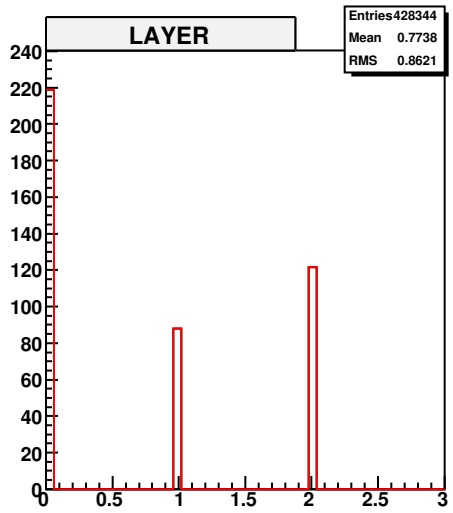


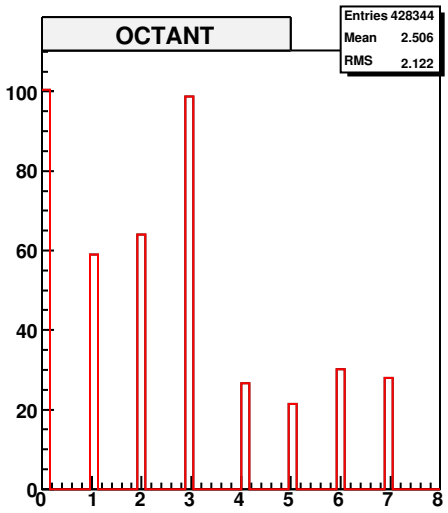


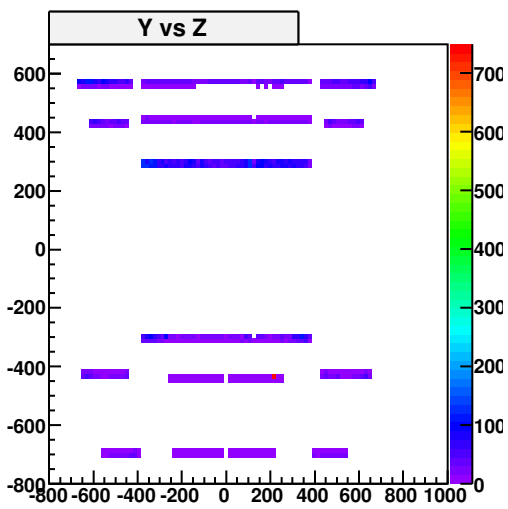


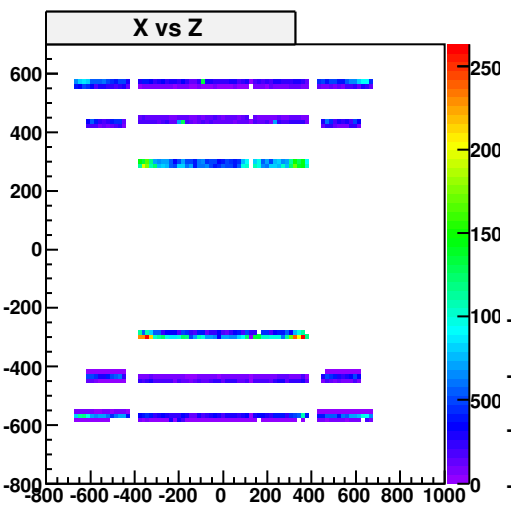
CFT ADC Summary (All Clusters)

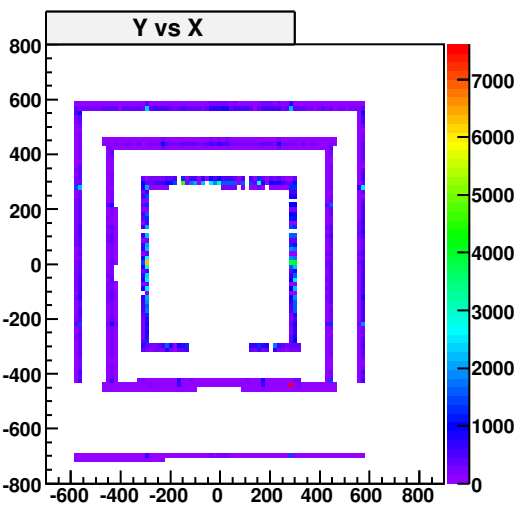

N
Entries 29963
Mean 14.3
RMS 10.79

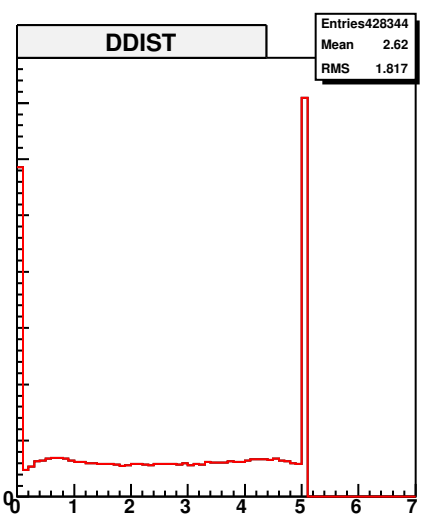

LAYER
Entries 428344
Mean 0.7738
RMS 0.8621

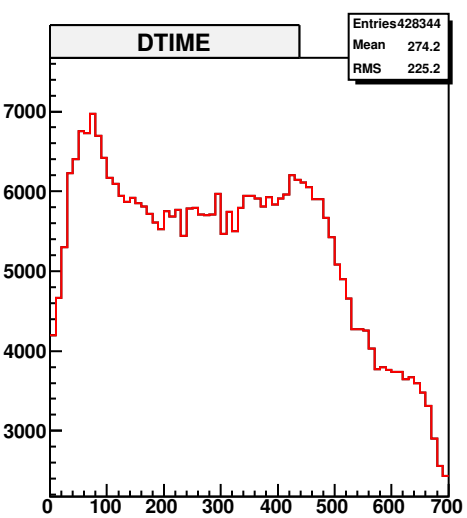

OCTANT
Entries 428344
Mean 2.506
RMS 2.122


Y vs Z

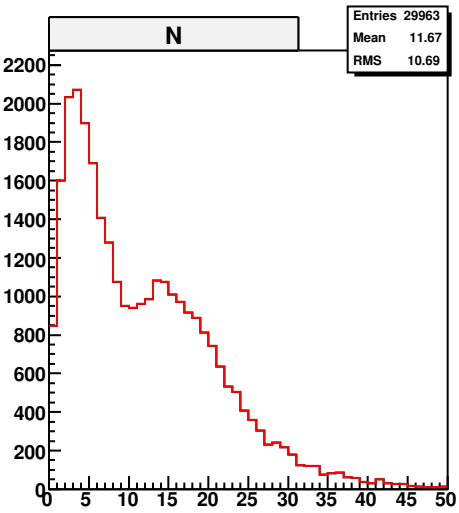

X vs Z

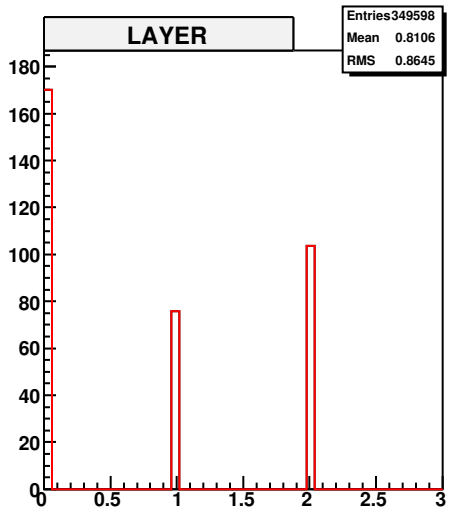

Y vs X

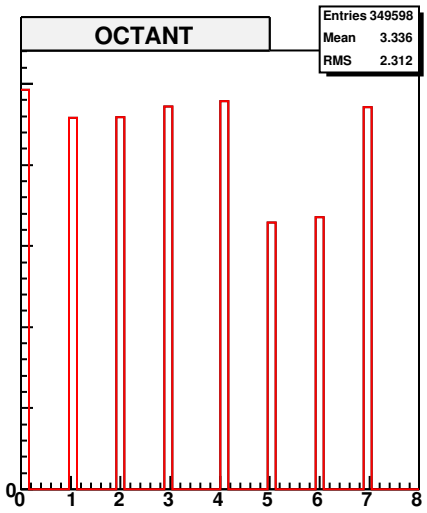

DDIST
Entries 428344
Mean 2.62
RMS 1.817

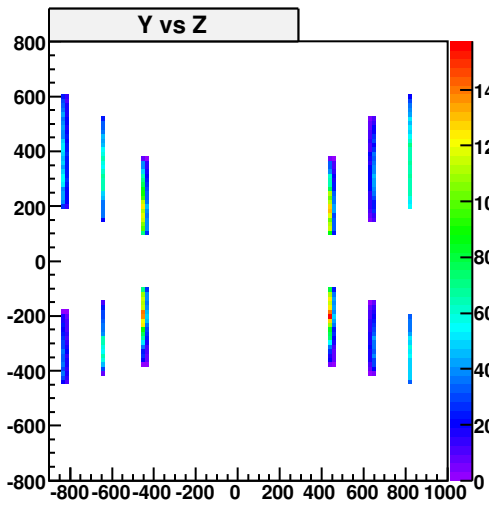

DTIME
Entries 428344
Mean 274.2
RMS 225.2

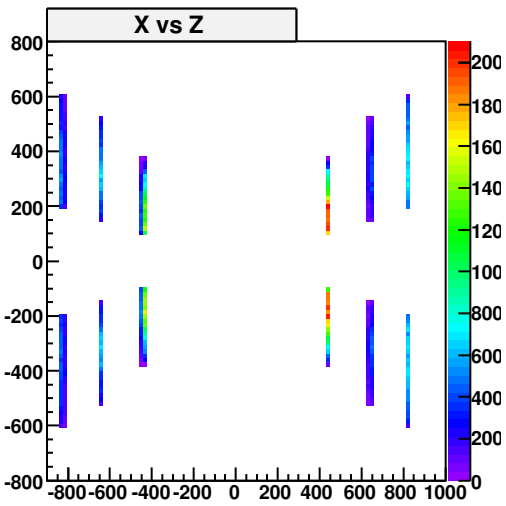
MuonPDT (All)

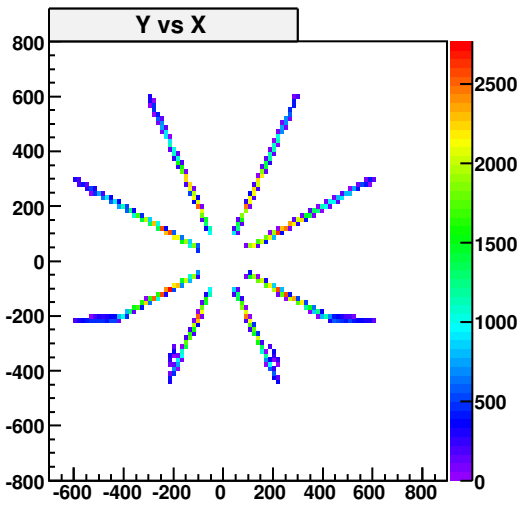

N
Entries 29963
Mean 11.67
RMS 10.69

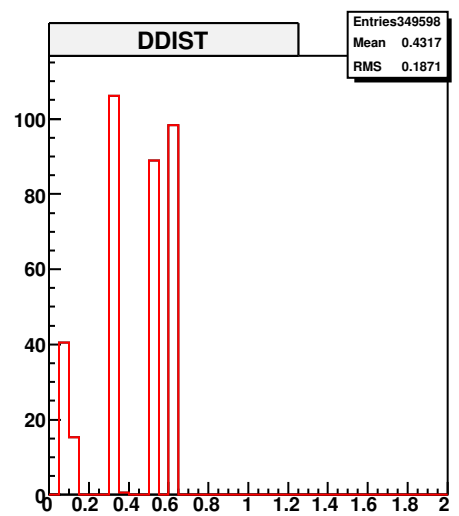

LAYER
Entries 349598
Mean 0.8106
RMS 0.8645


OCTANT
Entries 349598
Mean 3.336
RMS 2.312


Y vs Z


X vs Z


Y vs X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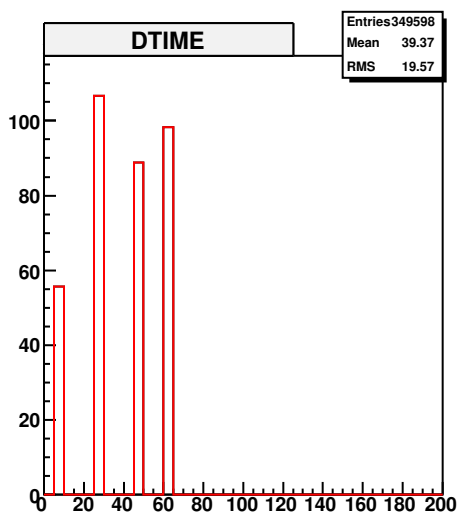
Mean 0.4317
RMS 0.1871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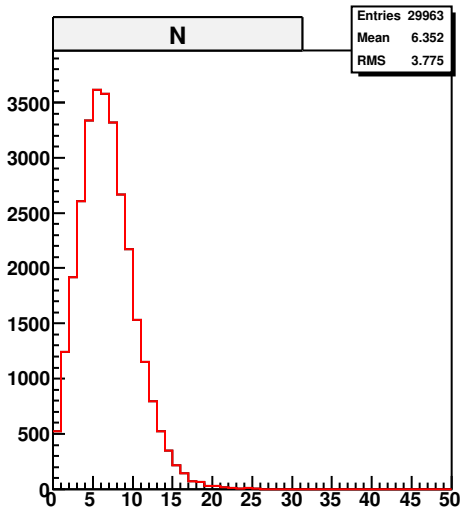
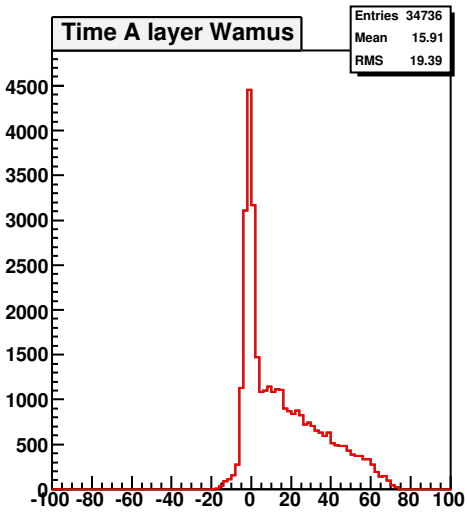
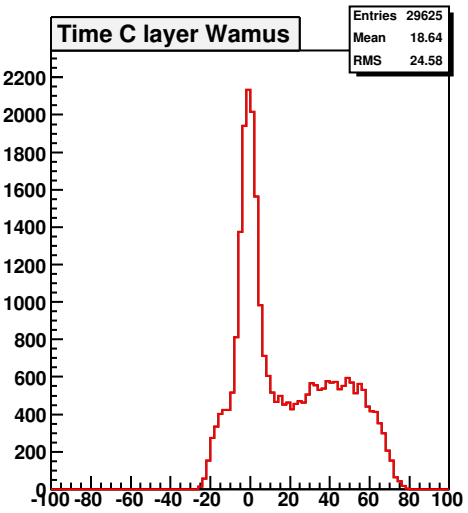
Entries 349598
Mean 39.37
RMS 19.57

MuonMDT (All)


N
Entries 29963
Mean 6.352
RMS 3.775


Time A layer Wamus
Entries 34736
Mean 15.91
RMS 19.39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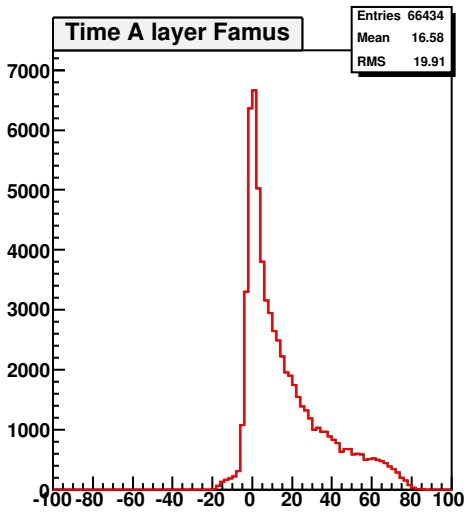
Mean 18.64
RMS 24.58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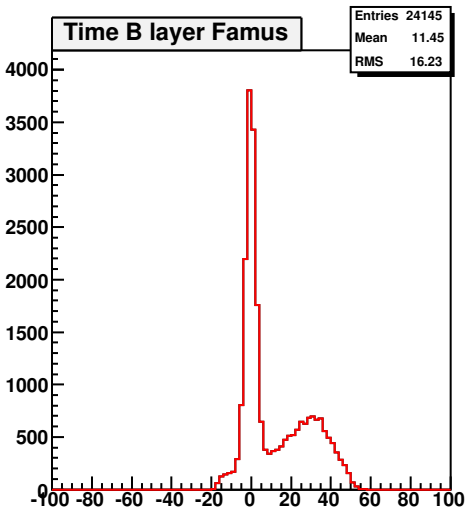
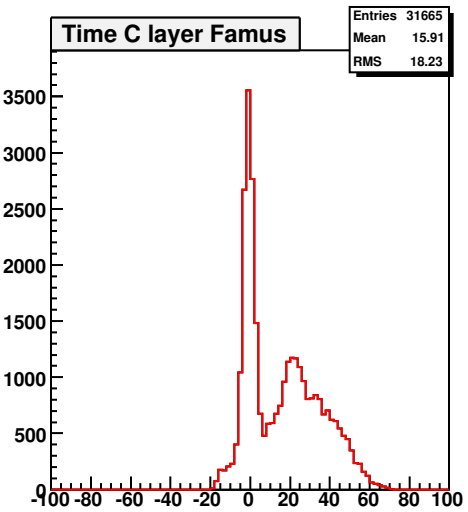
Mean 16.58
RMS 19.91


Time B layer Famus
Entries 24145
Mean 11.45
RMS 16.23


Time C layer Famus
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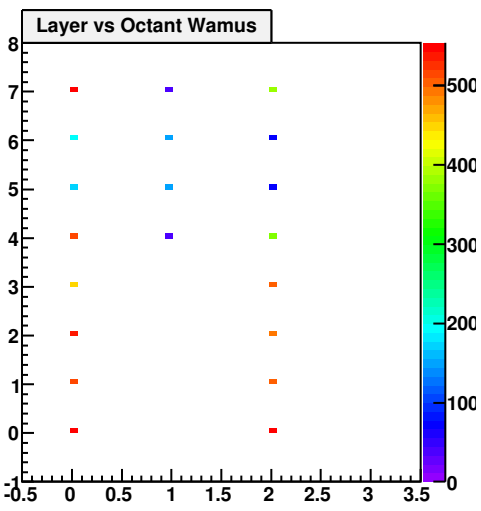
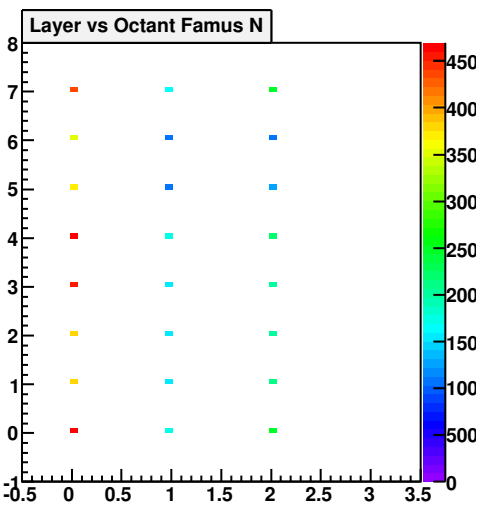
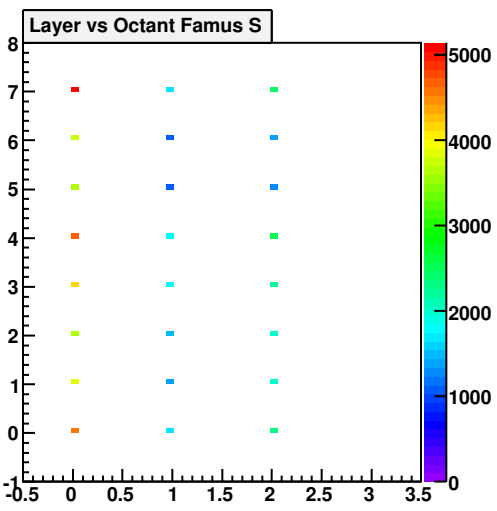
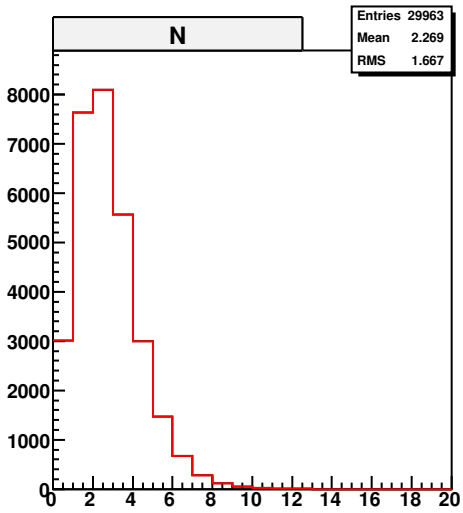
RMS 18.23

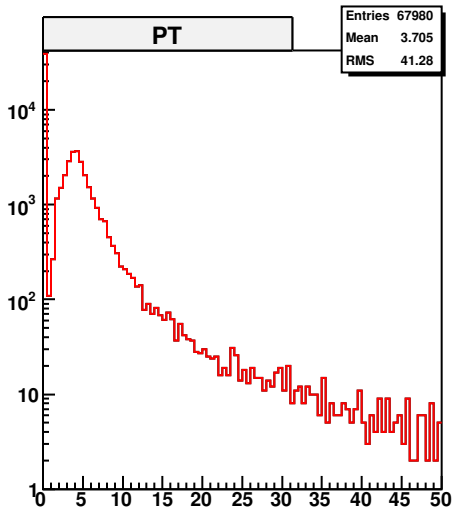

Layer vs Octant Wamus

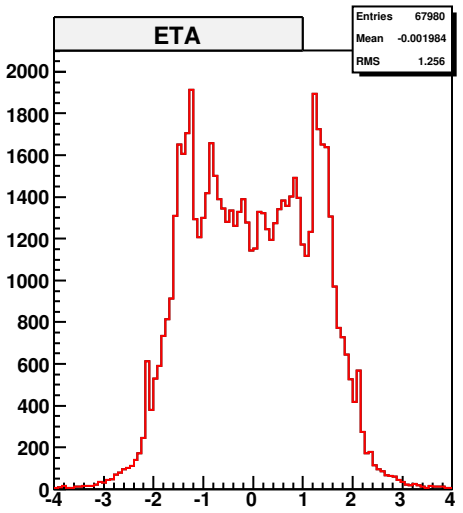

Layer vs Octant Famus N

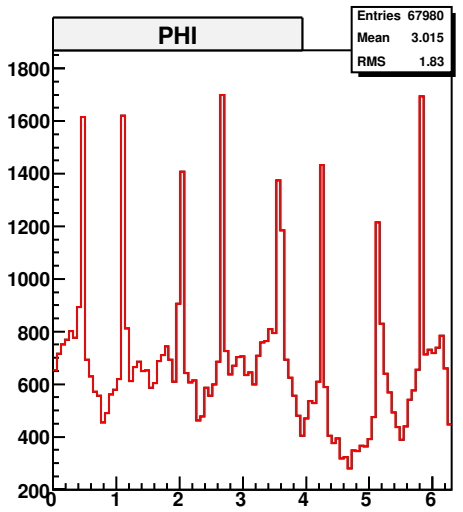

Layer vs Octant Famus S

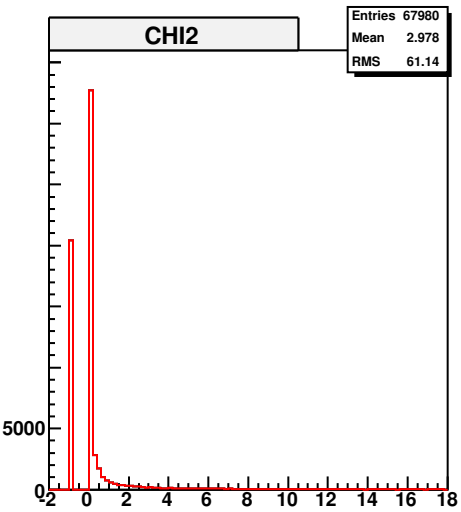
MuonMSC (All)

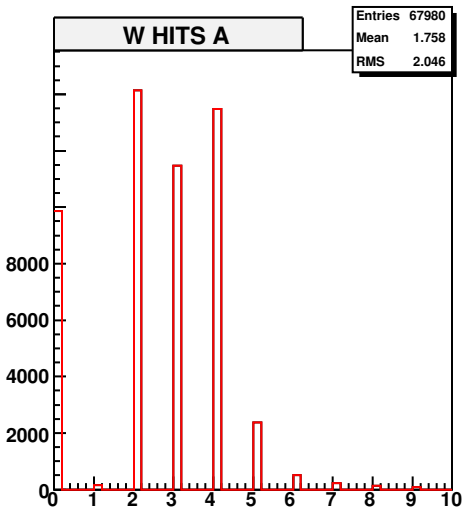


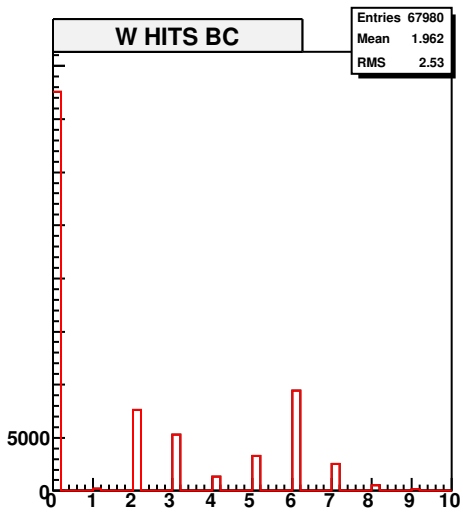


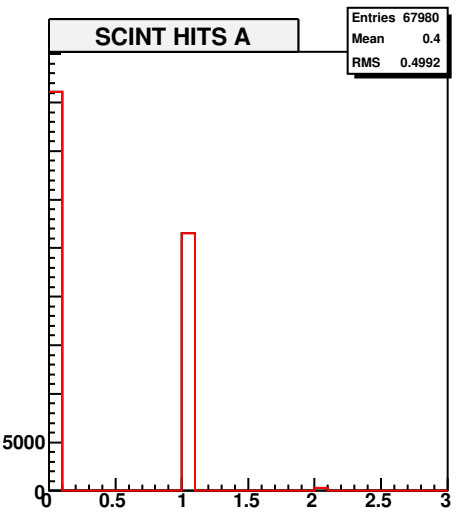


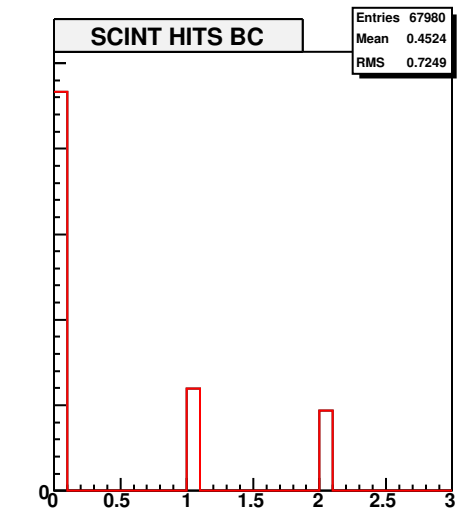




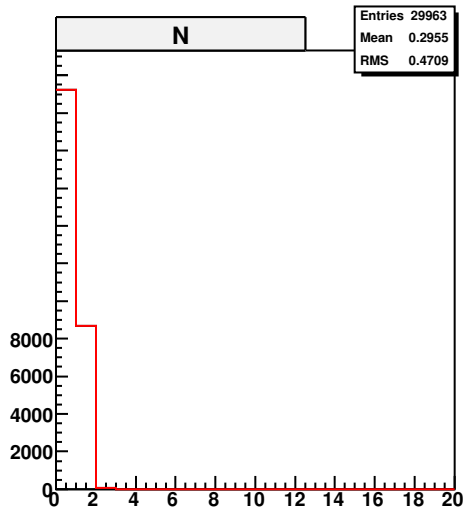


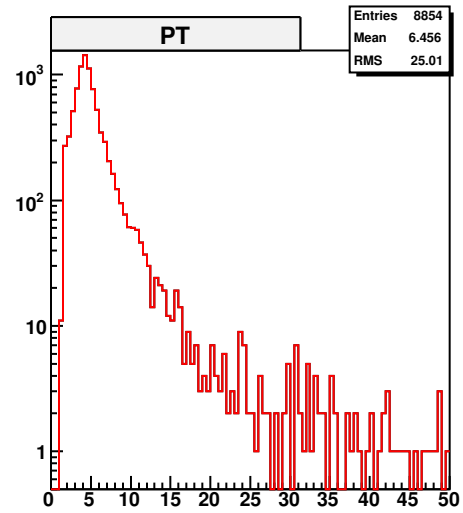


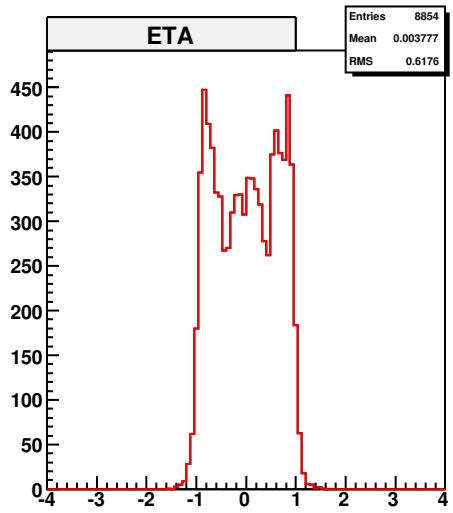


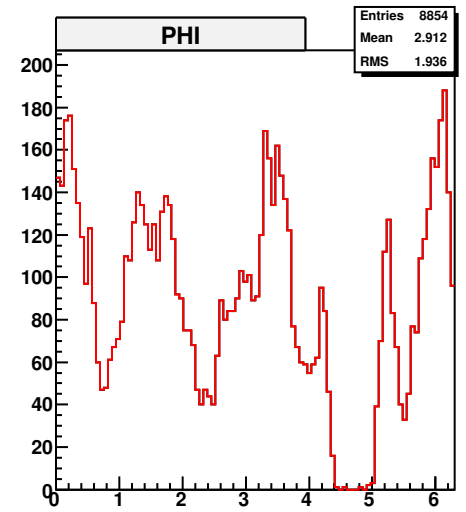


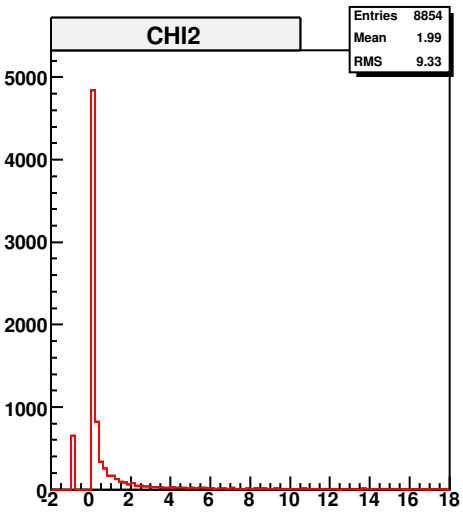
Muon Local Tracks (All)

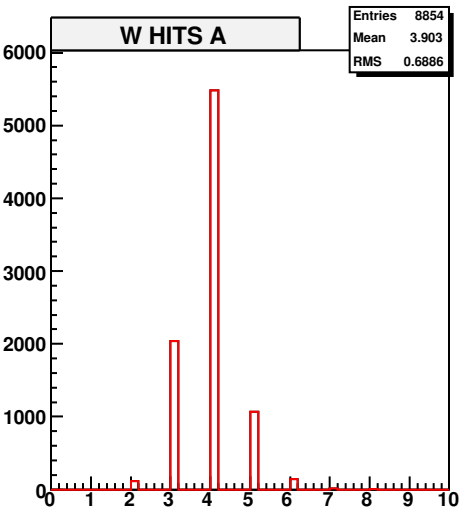


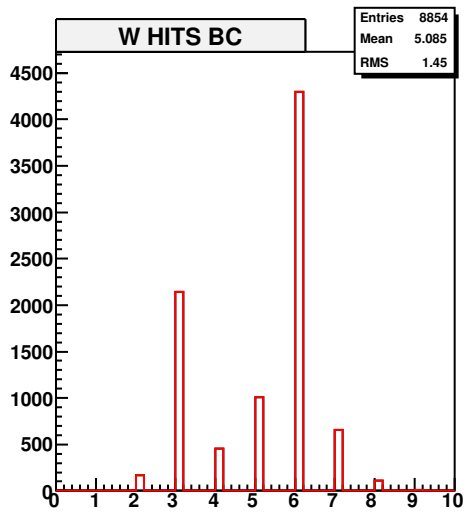


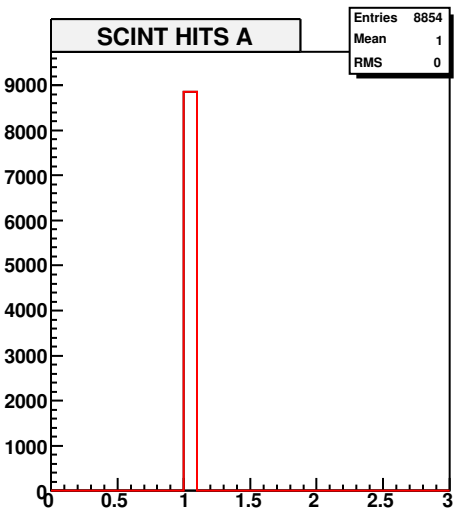


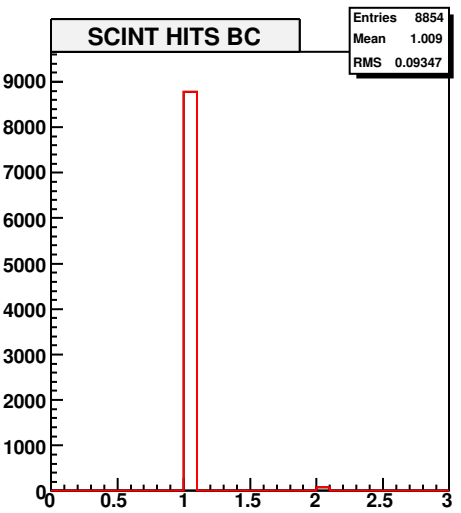




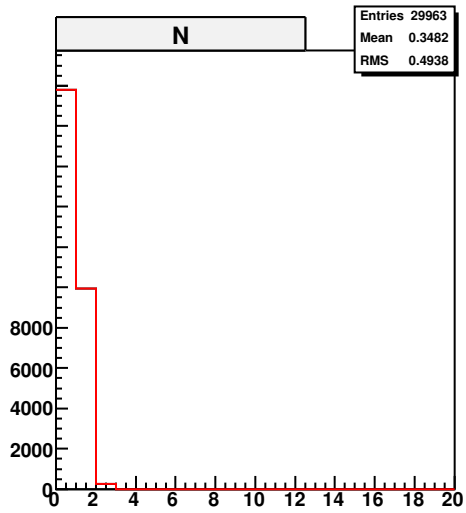


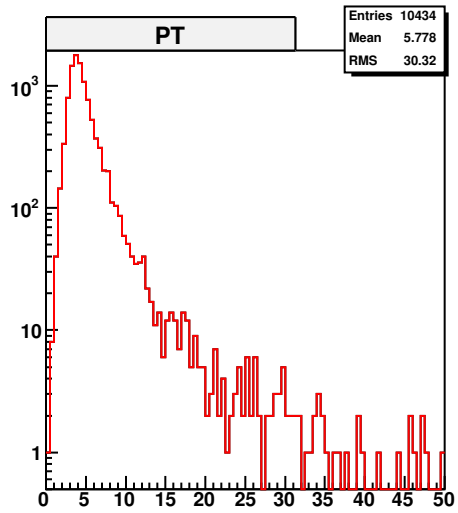


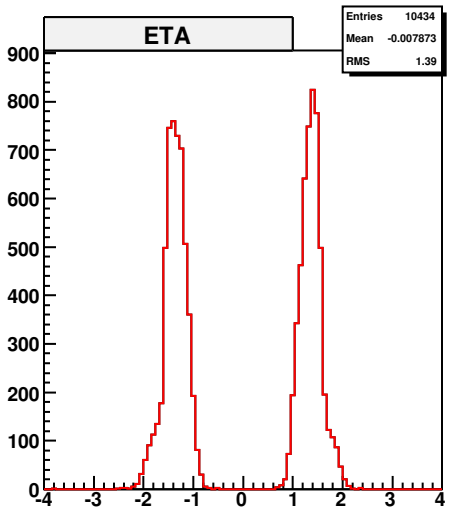


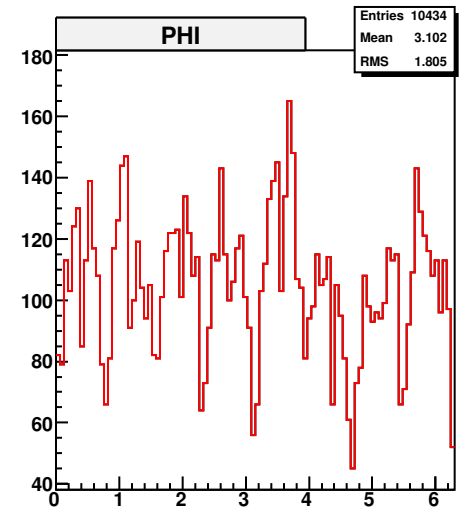


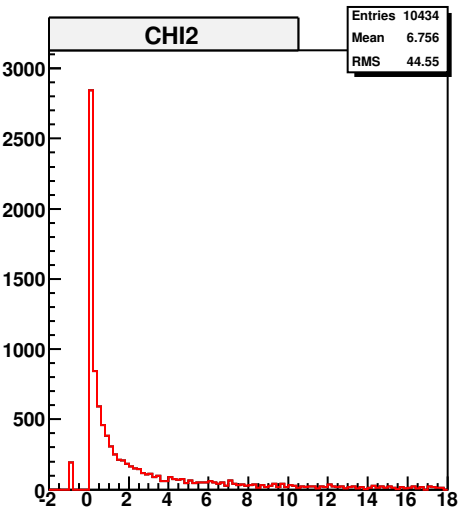
Muon Local Tracks (MediumWamus)

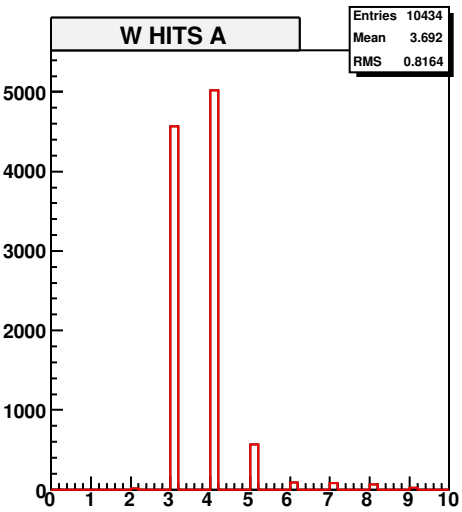


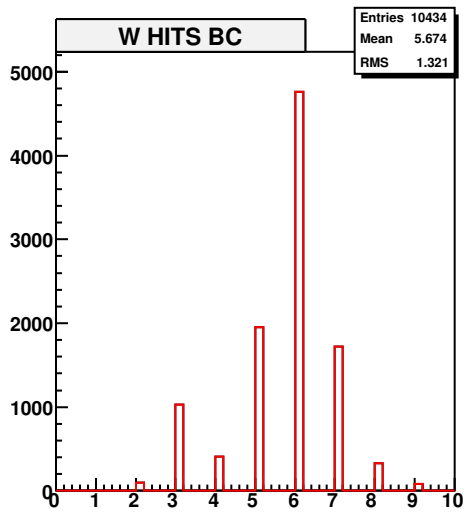


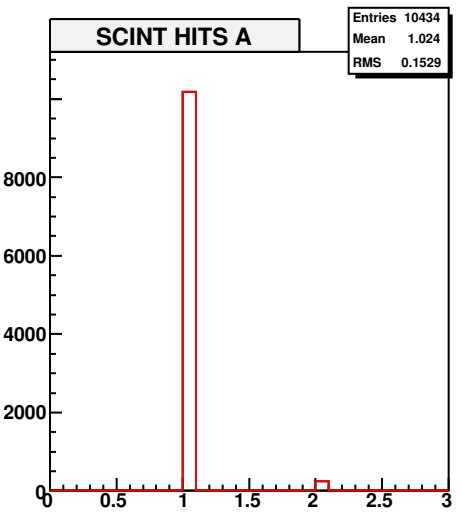


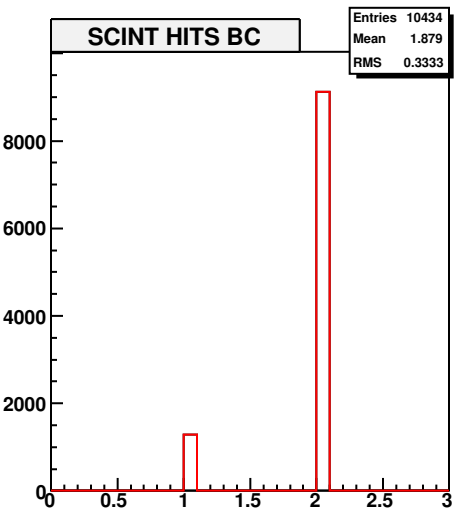




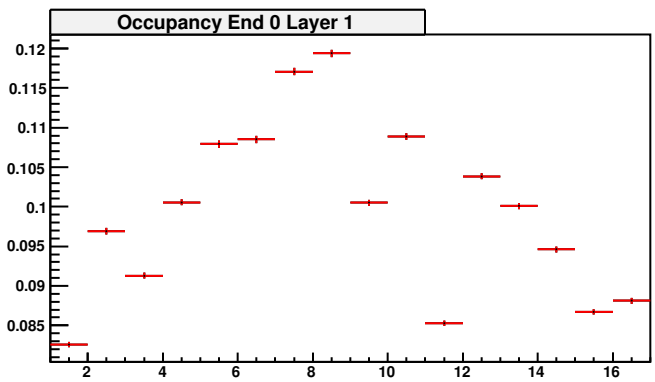


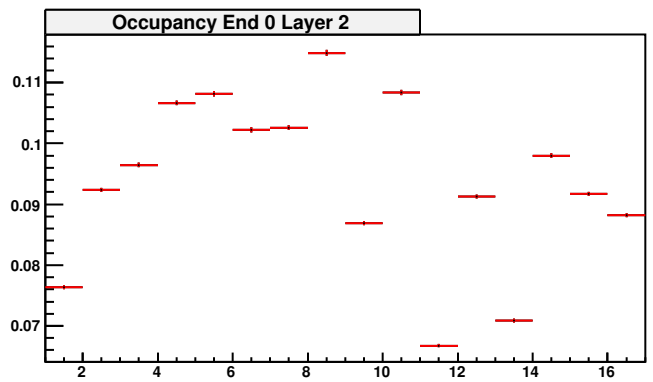


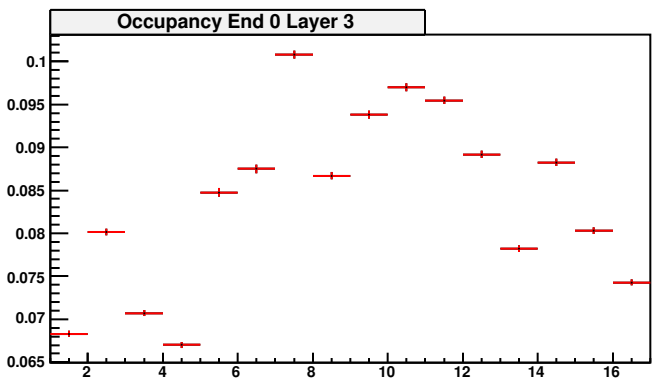


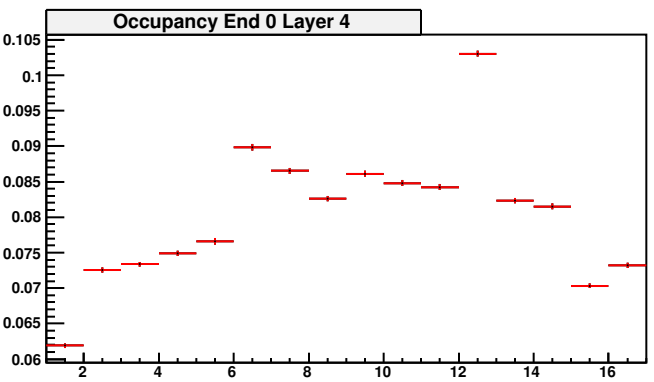


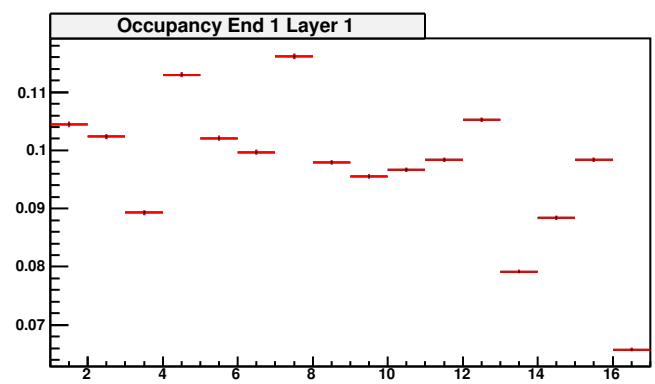
Muon Local Tracks (MediumFamus)

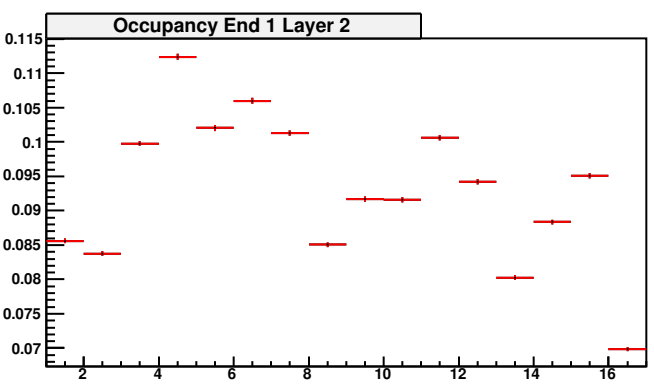


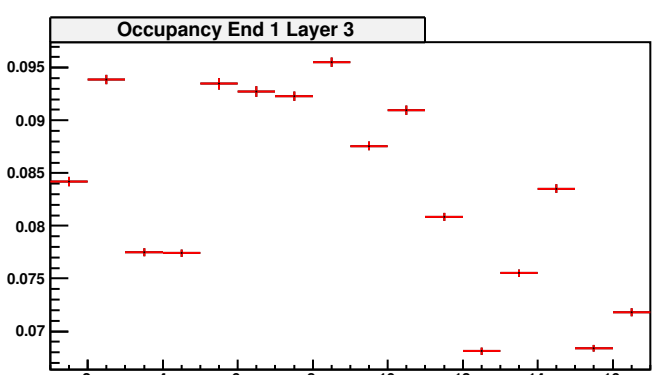


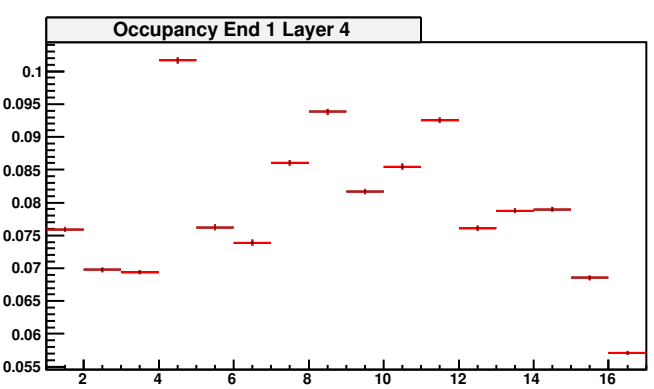




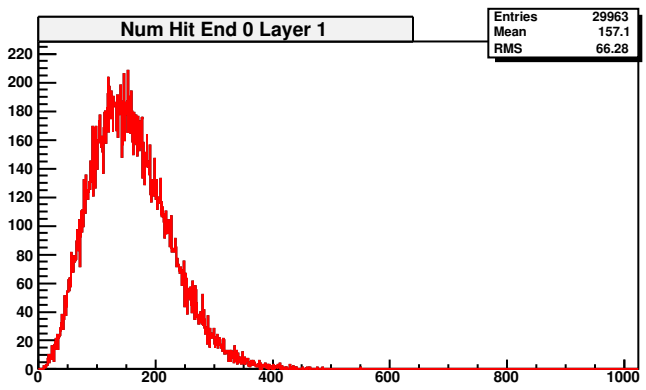


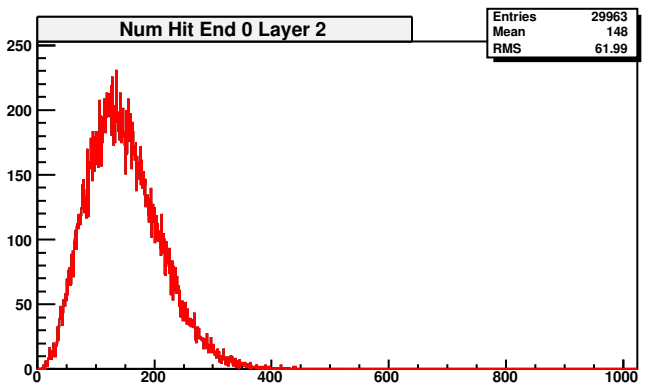


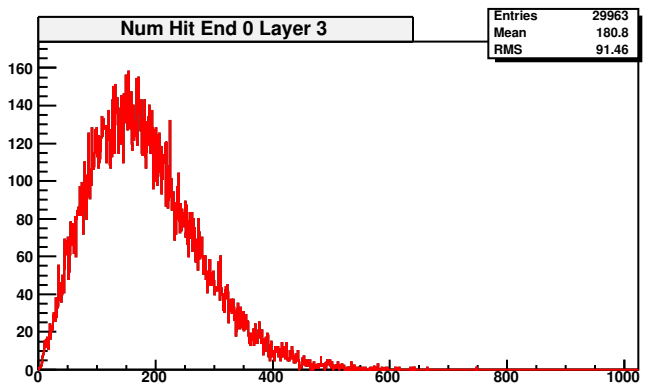


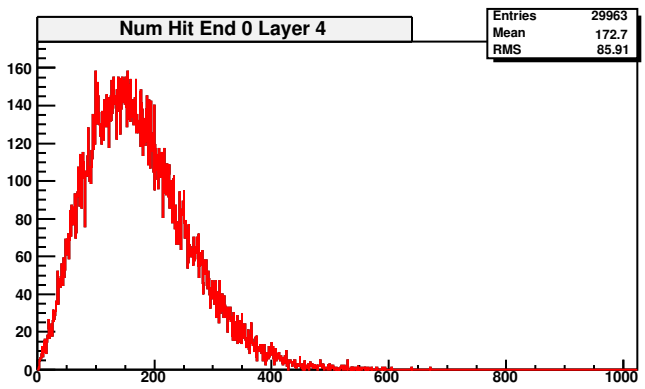


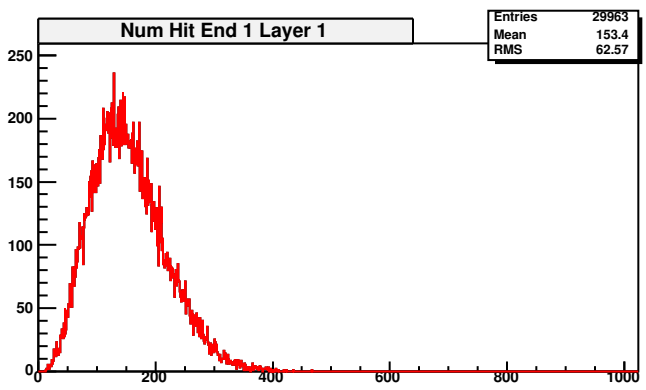
FPS Hit Occupancy (All)

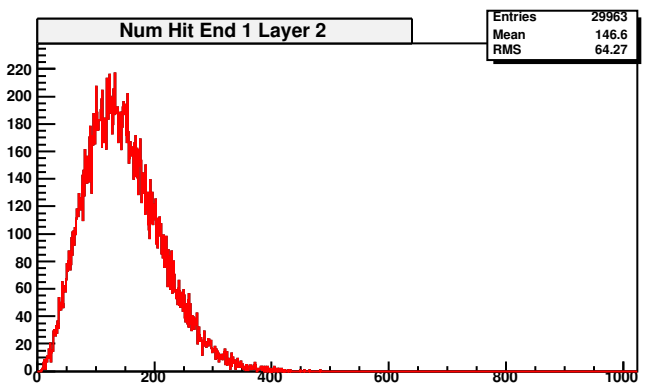


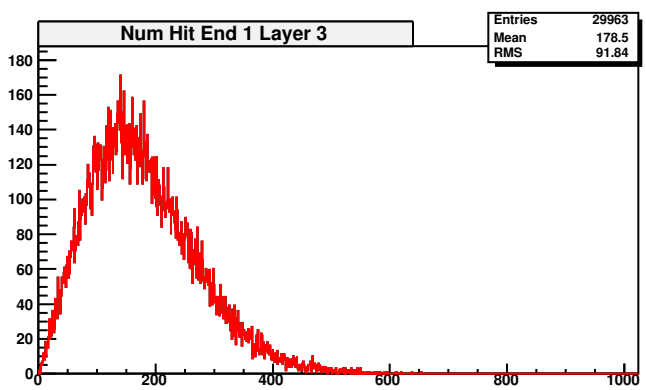


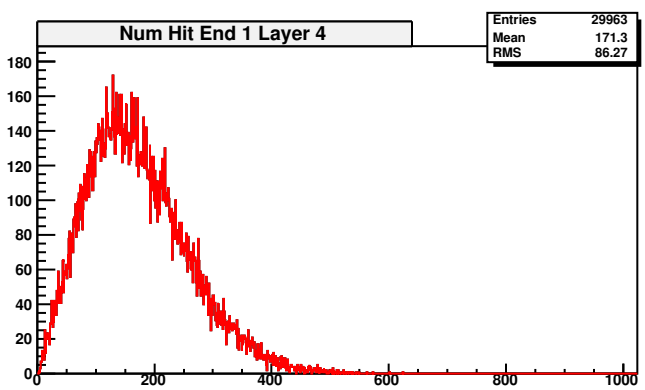




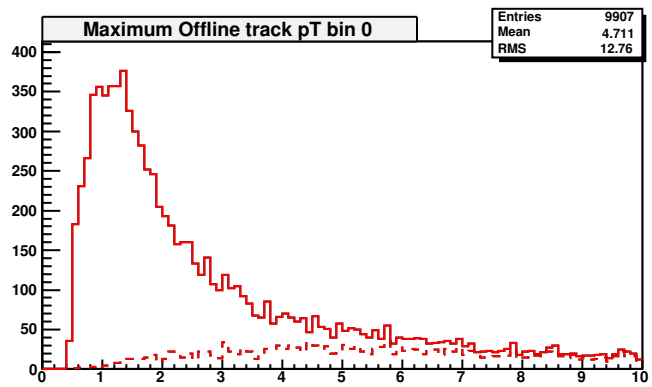


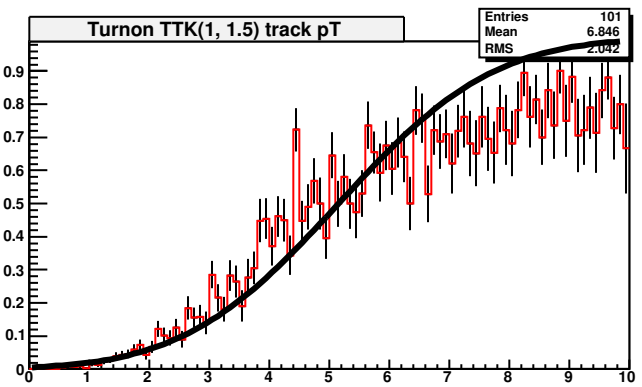


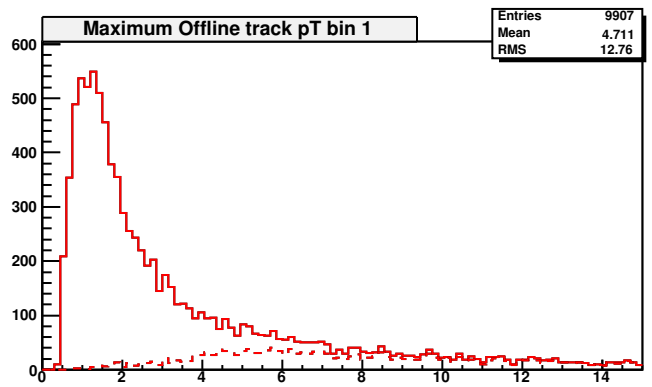


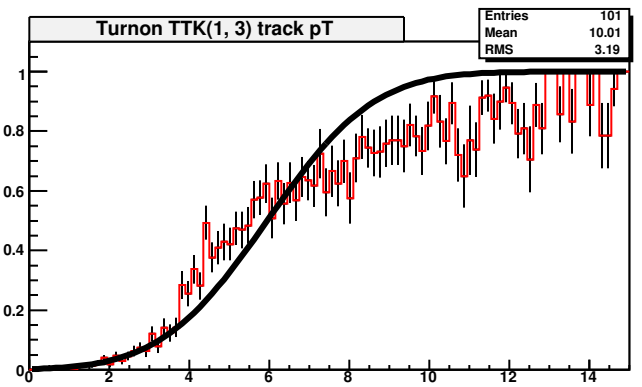


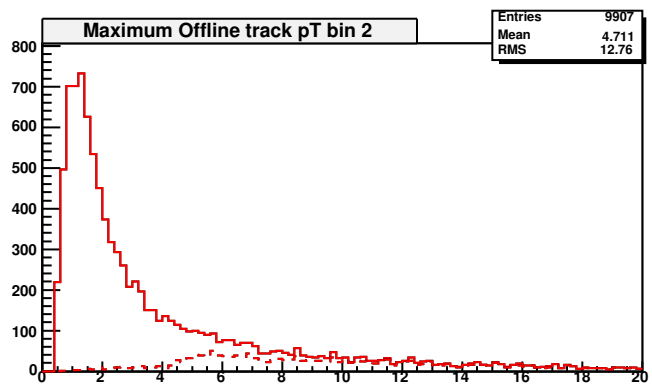
FPS Number of Hits (All)

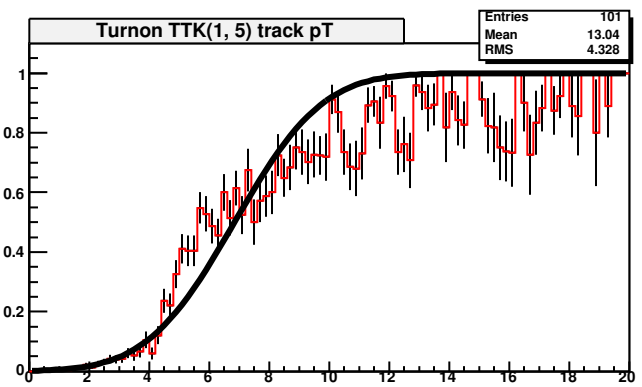


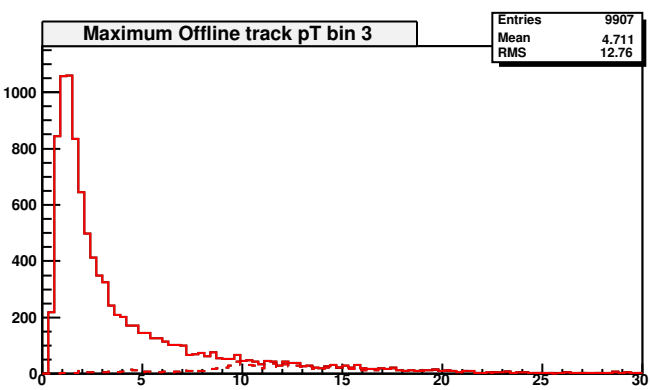


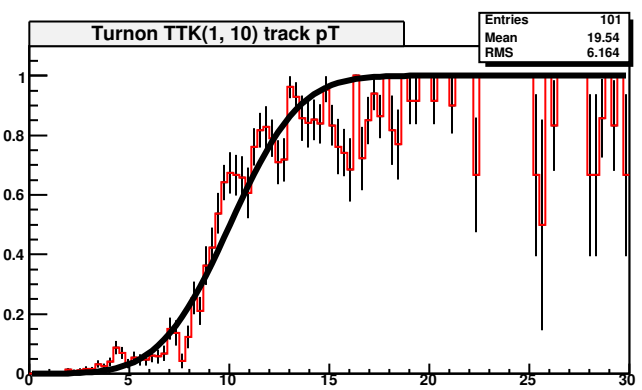




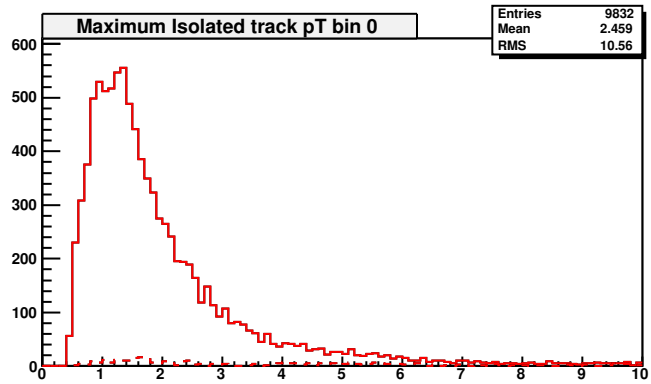


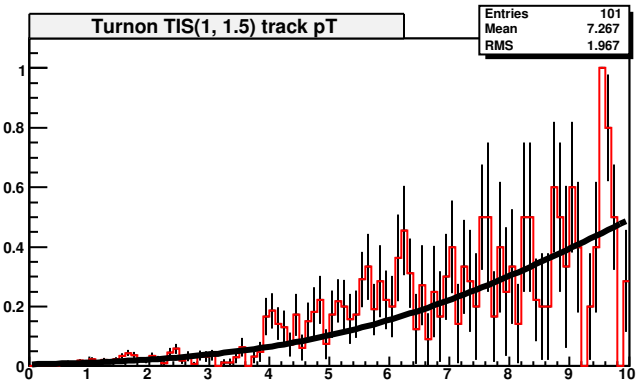


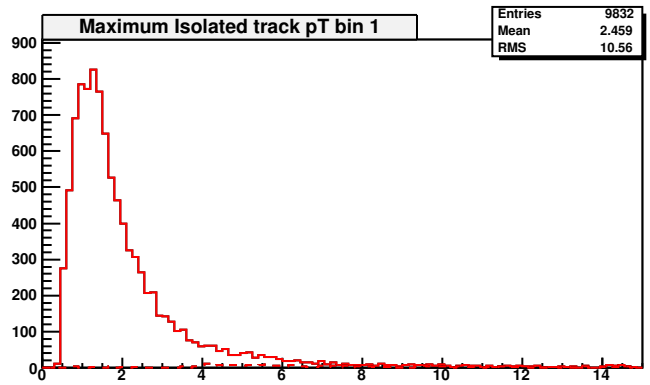


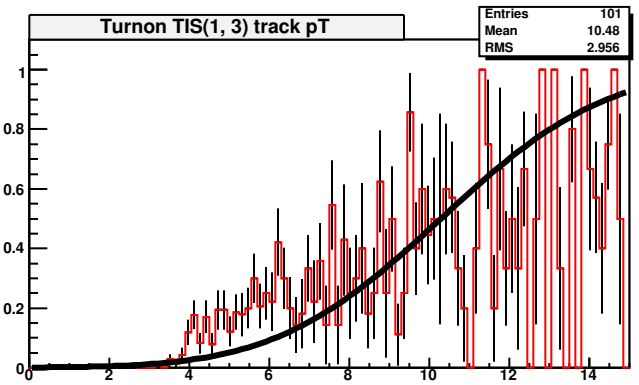


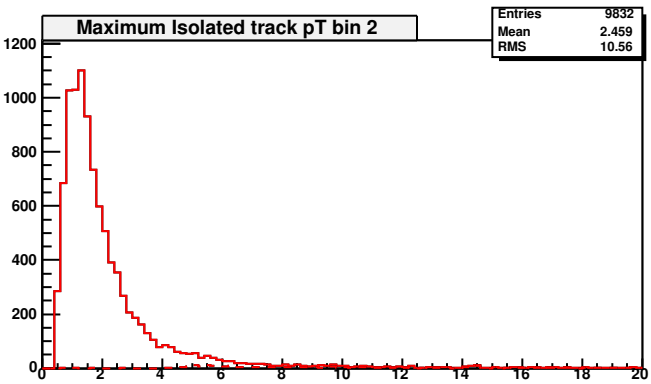
TTK Turnon curves (L1CTT All)

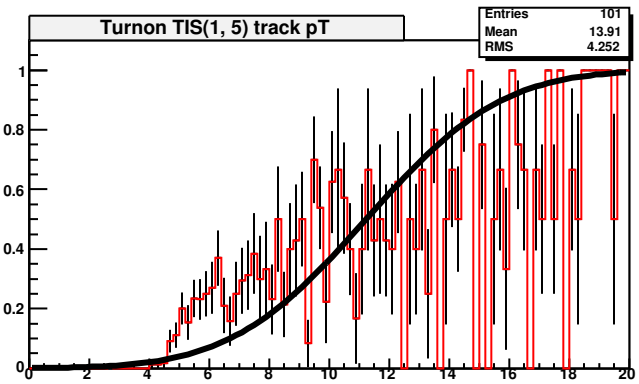


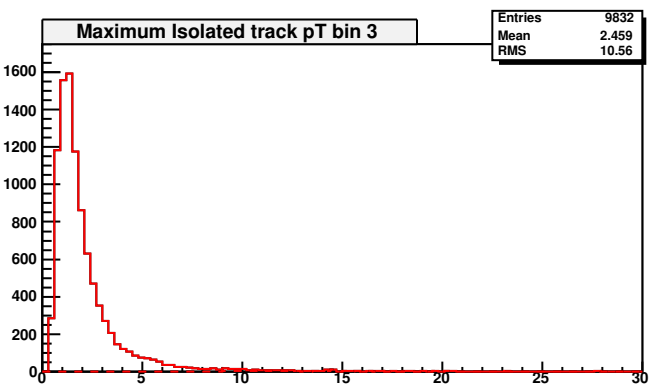


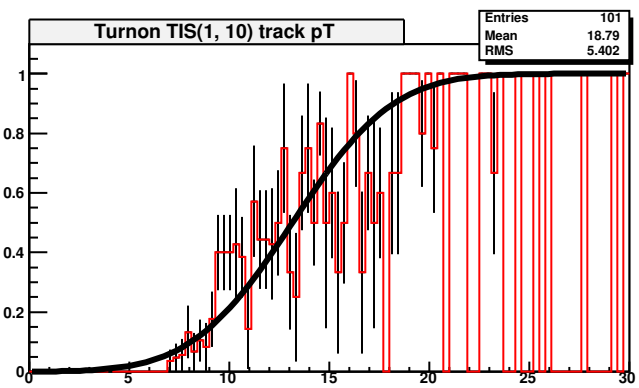




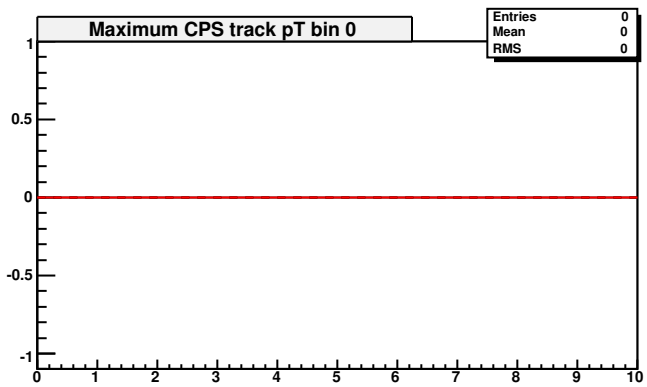


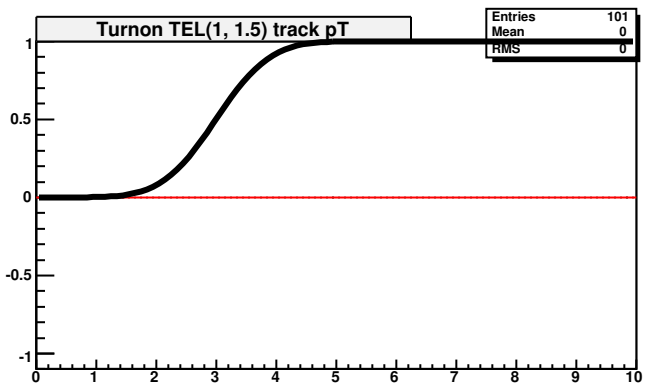


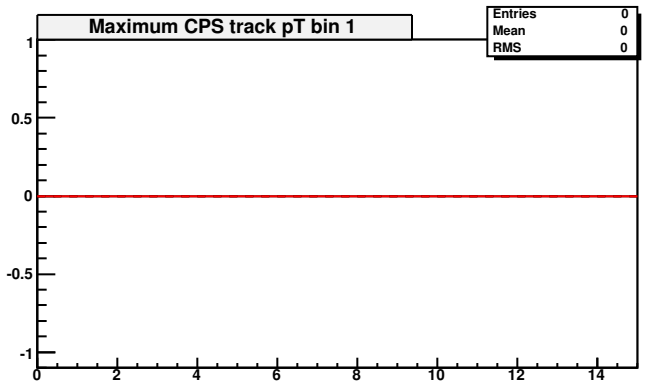


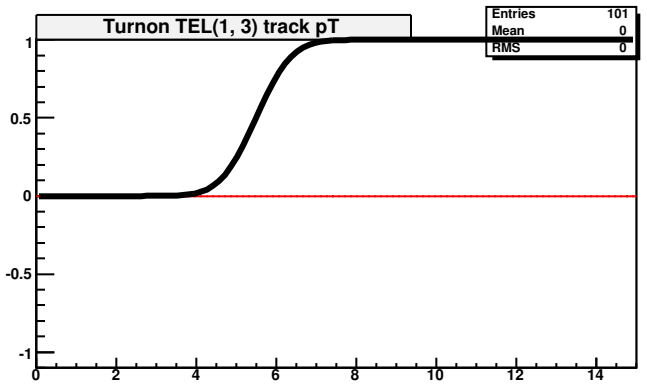


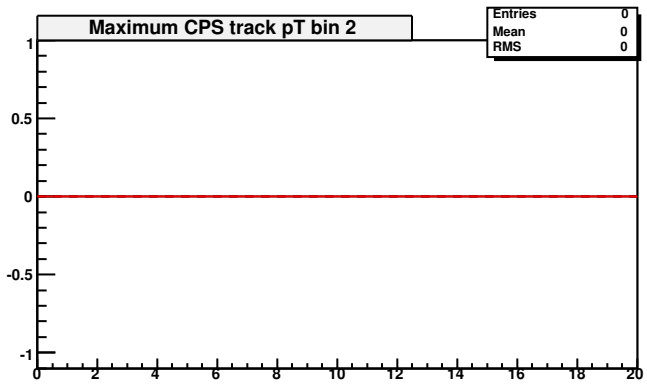
TIS Turnon curves (L1CTT All)

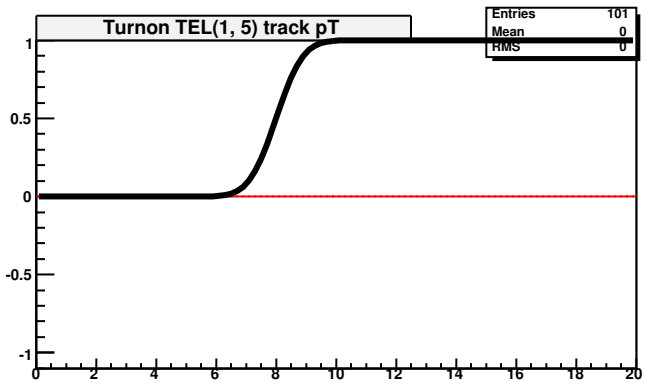


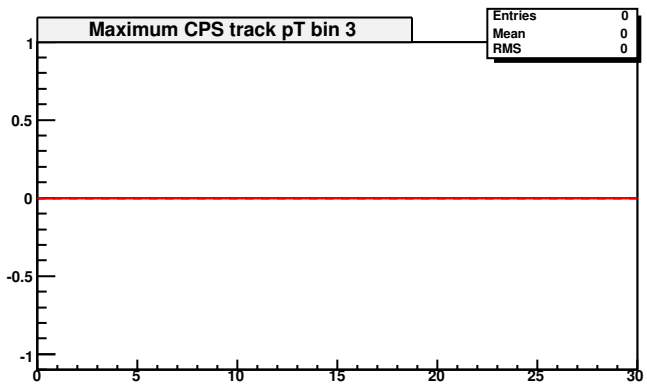


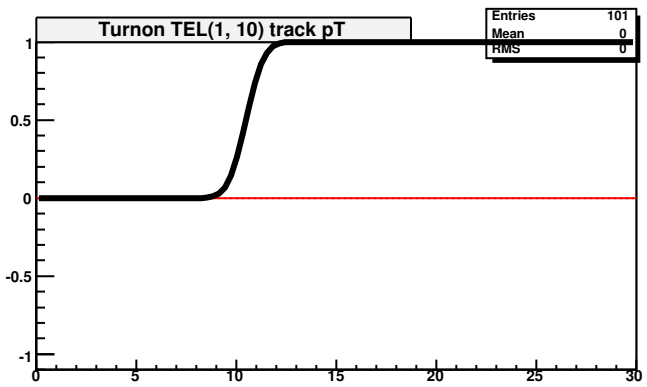




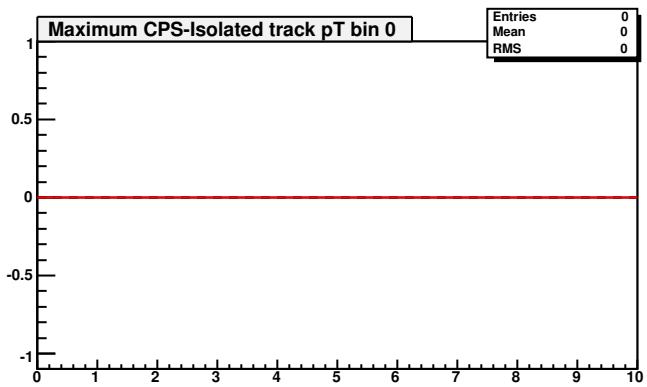


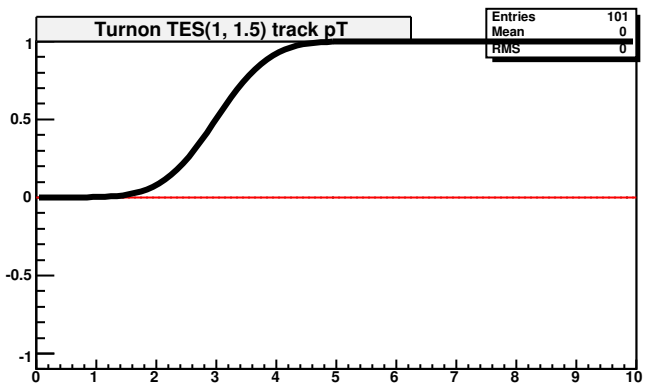


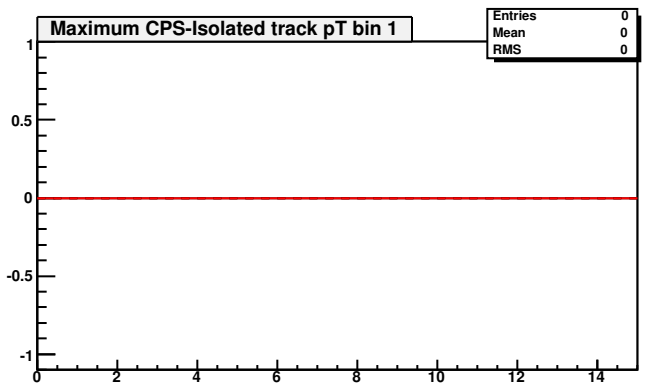


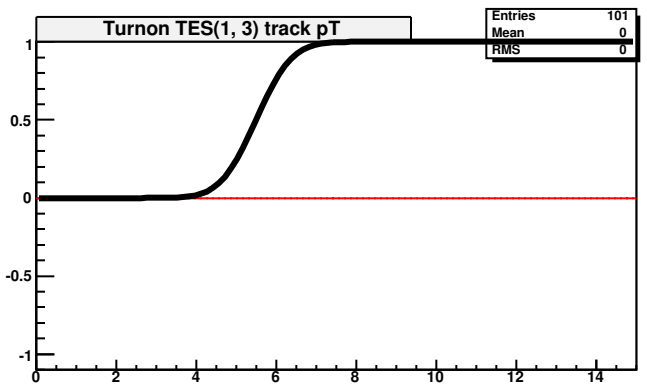


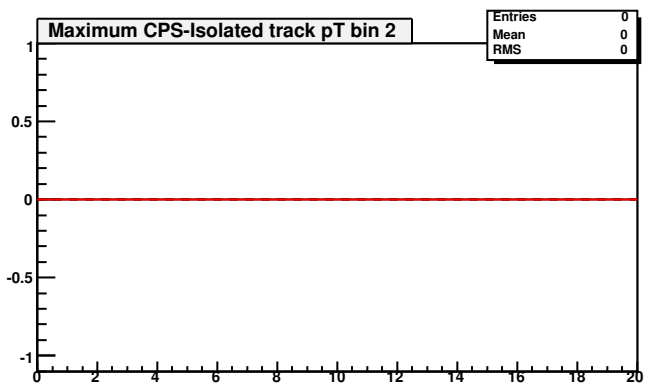
TEL Turnon curves (L1CTT All)

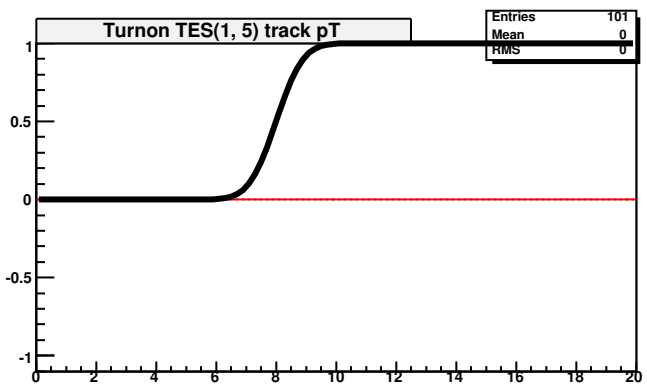


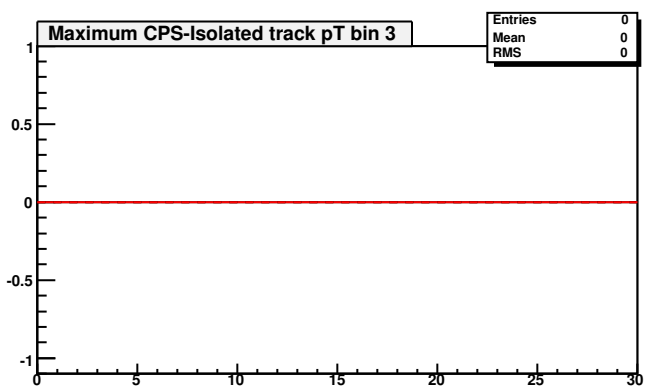


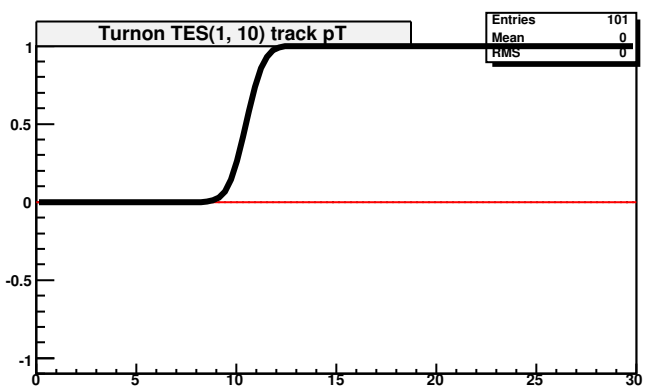




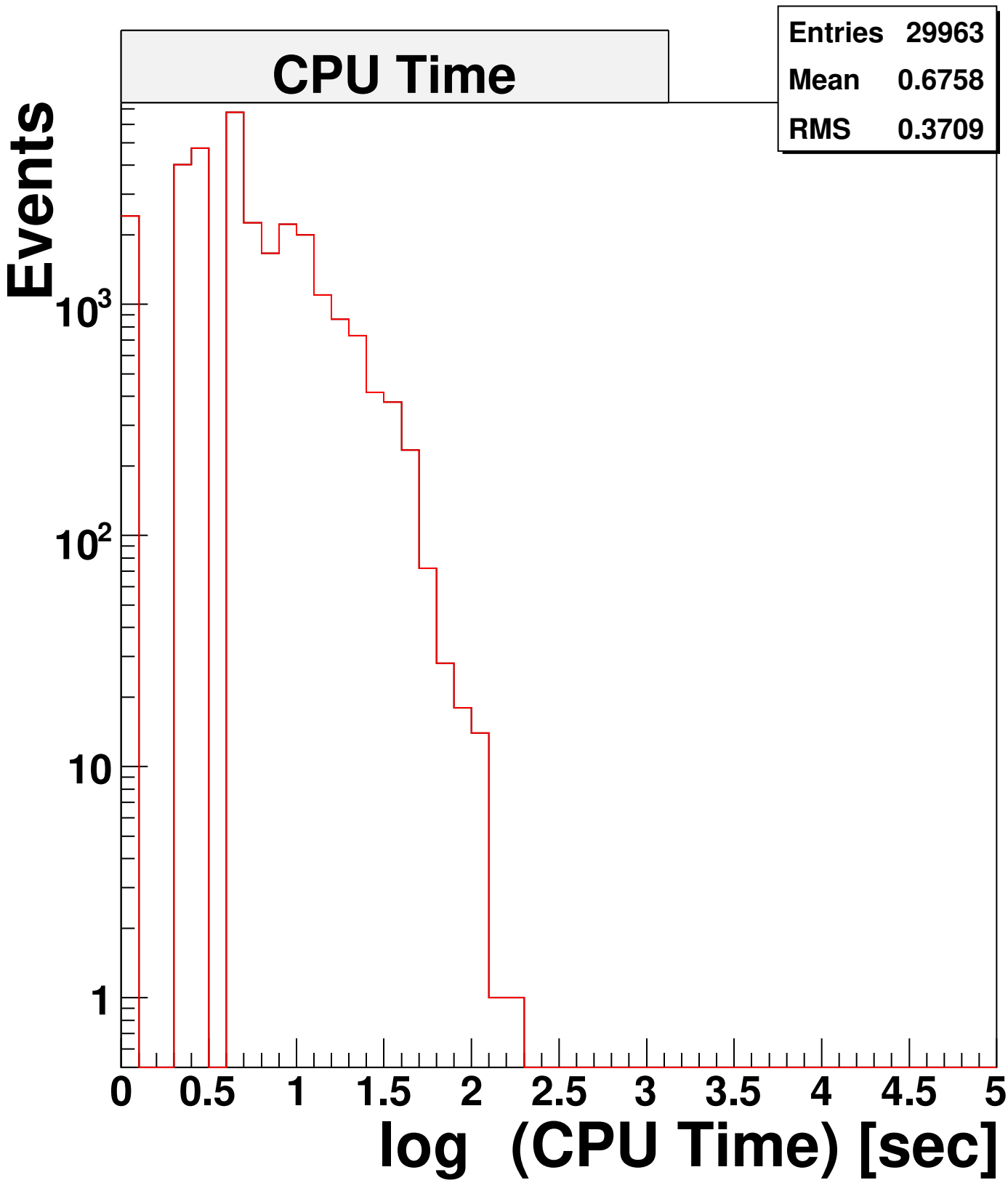








TES Turnon curves (L1CTT All)



RECO Performance (Timing)