work/merged.root
std/merged.root

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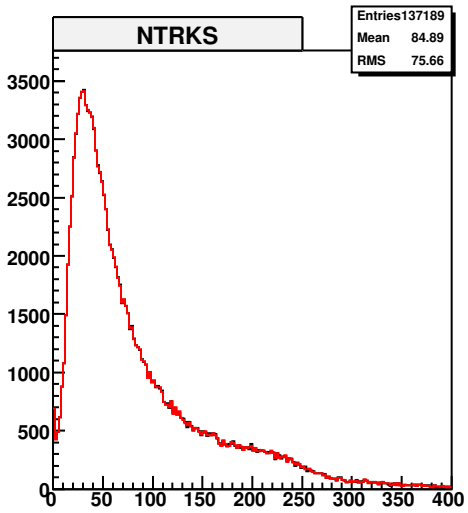
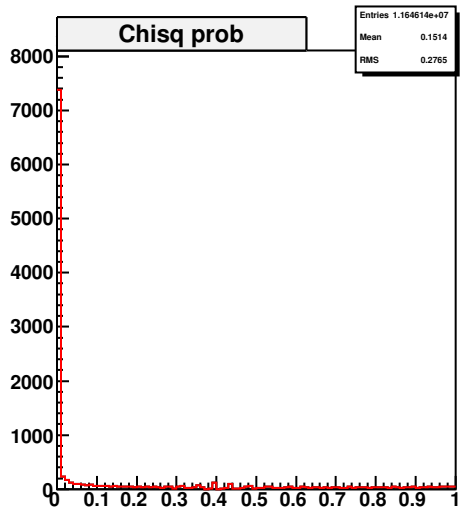
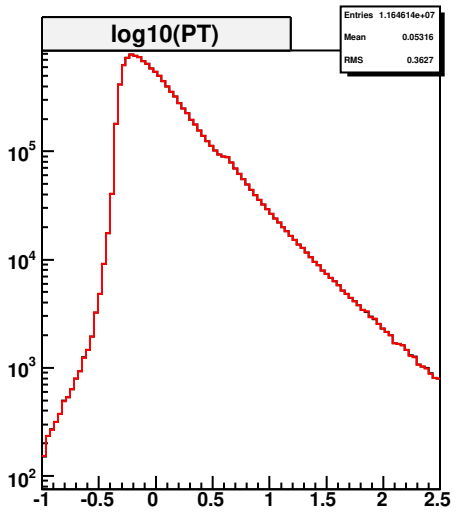
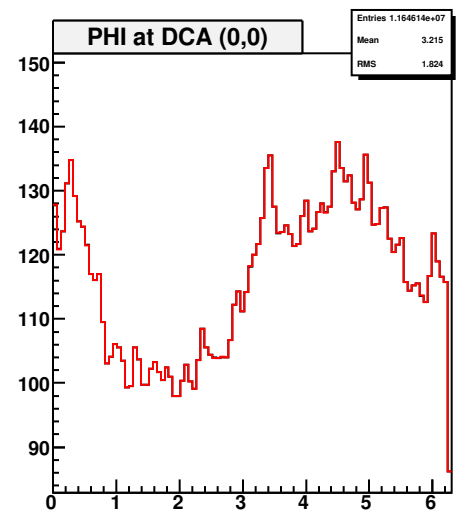
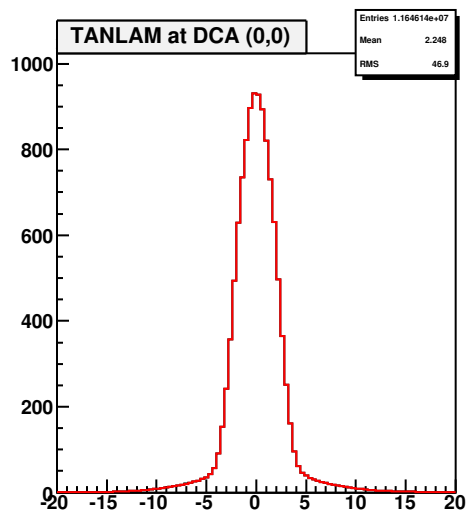
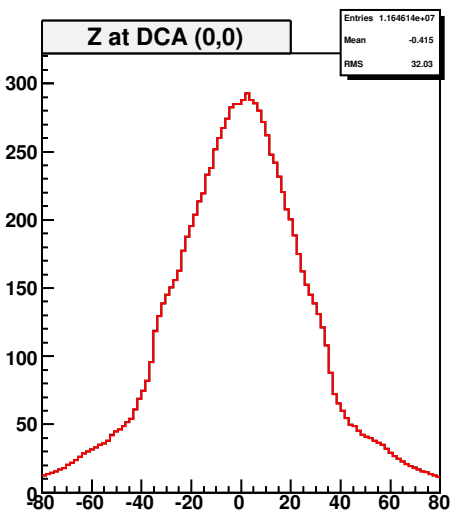

NTRKS
Entries137189
Mean 84.89
RMS 75.66

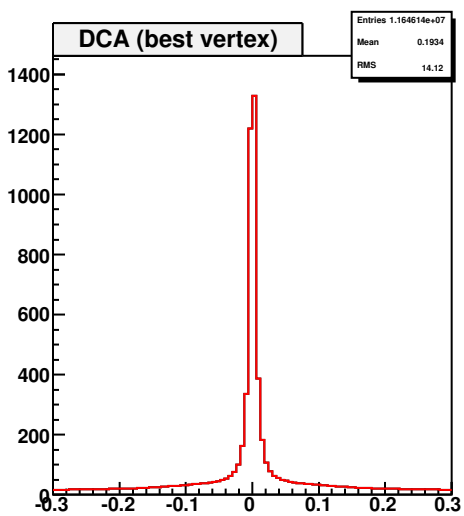

Chisq prob
Entries 1.164614e+07
Mean 0.1514
RMS 0.2765

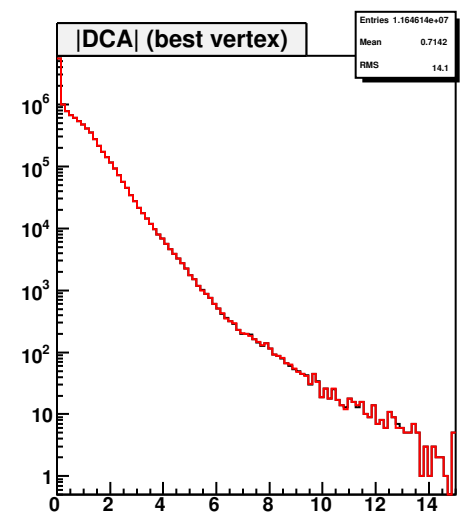

log10(PT)
Entries 1.164614e+07
Mean 0.05316
RMS 0.3627

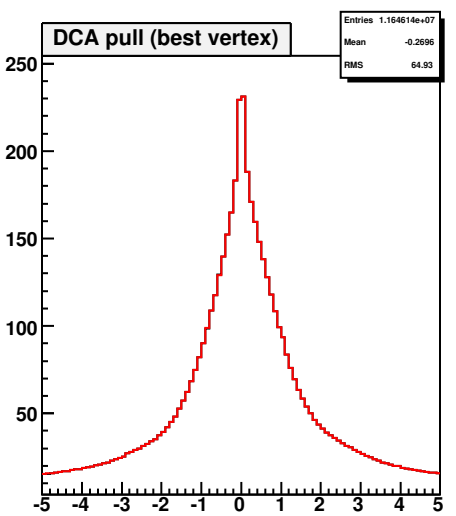

PHI at DCA (0,0)
Entries 1.164614e+07
Mean 3.215
RMS 1.824


TANLAM at DCA (0,0)
Entries 1.164614e+07
Mean 2.248
RMS 46.9

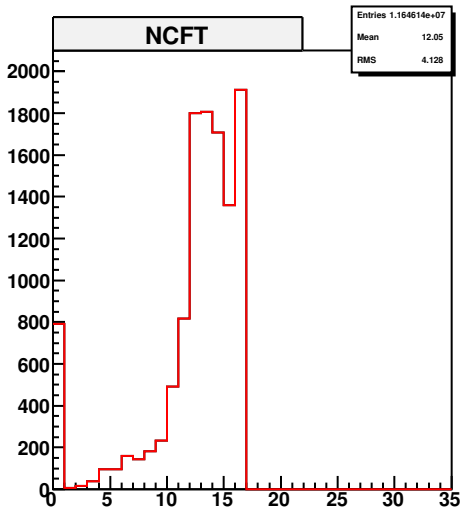

Z at DCA (0,0)
Entries 1.164614e+07
Mean -0.415
RMS 32.03

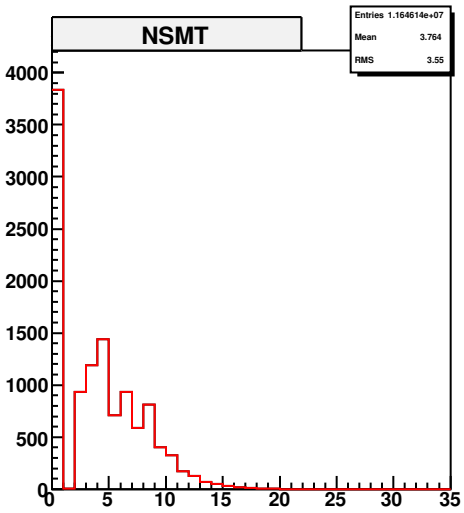

DCA (best vertex)
Entries 1.164614e+07
Mean 0.1934
RMS 14.12

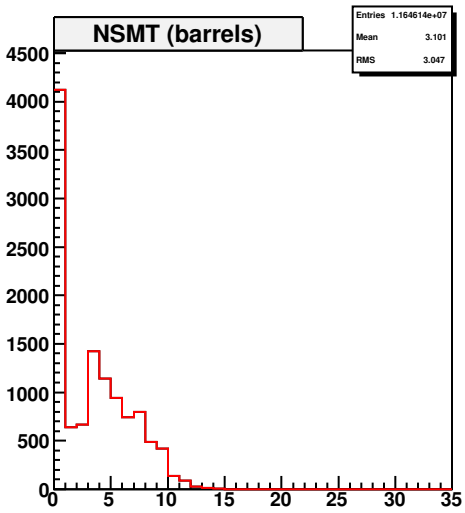

|DCA| (best vertex)
Entries 1.164614e+07
Mean 0.7142
RMS 14.1

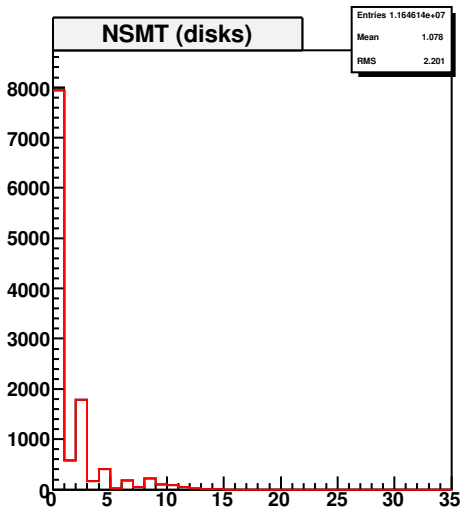

DCA pull (best vertex)
Entries 1.164614e+07
Mean -0.2696
RMS 64.93

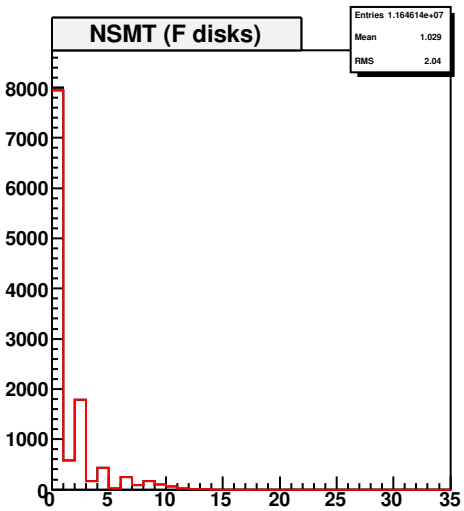
Tracks (All)

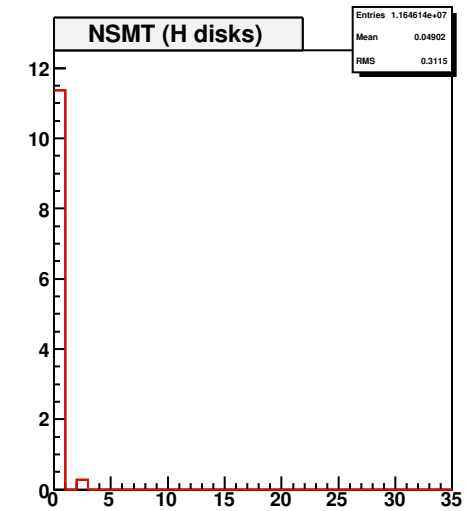


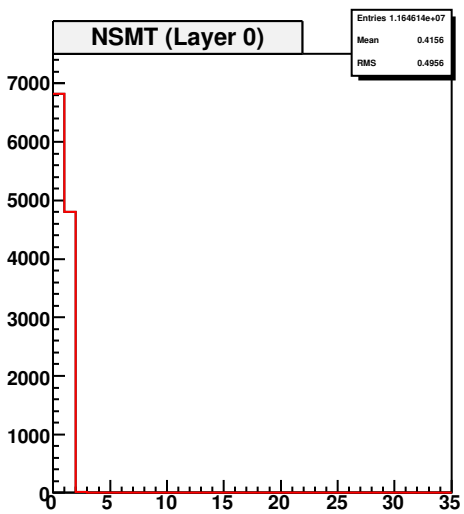




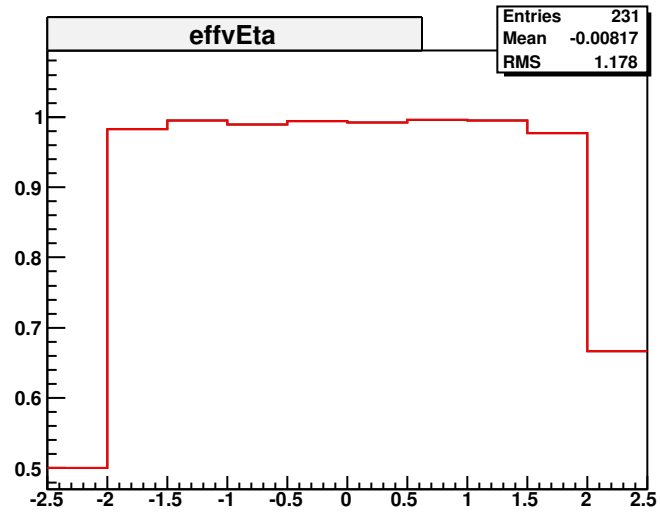


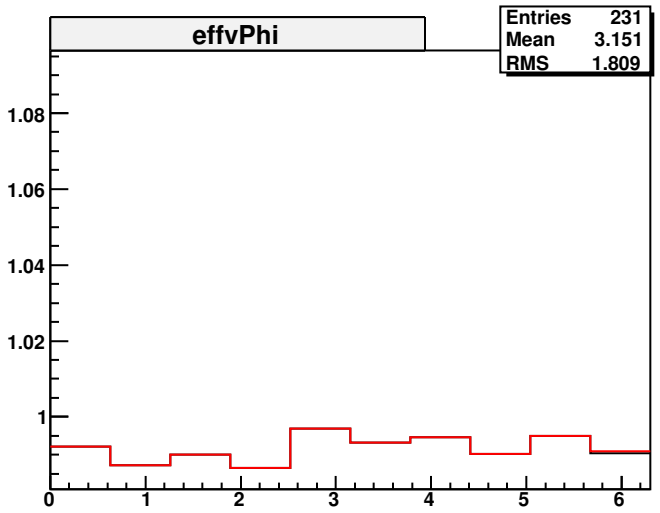


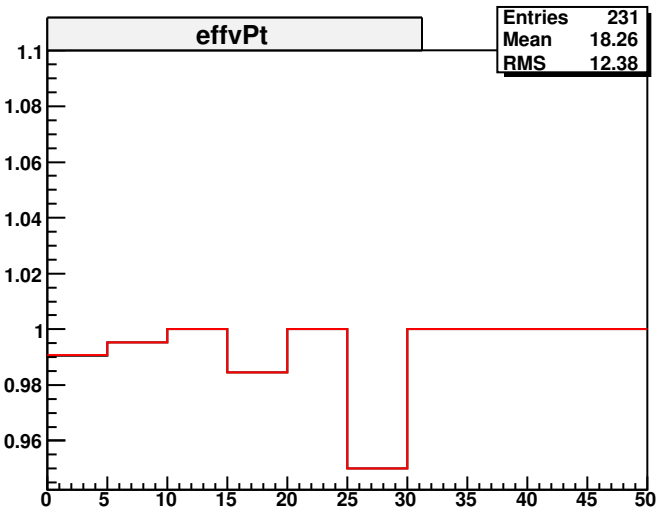


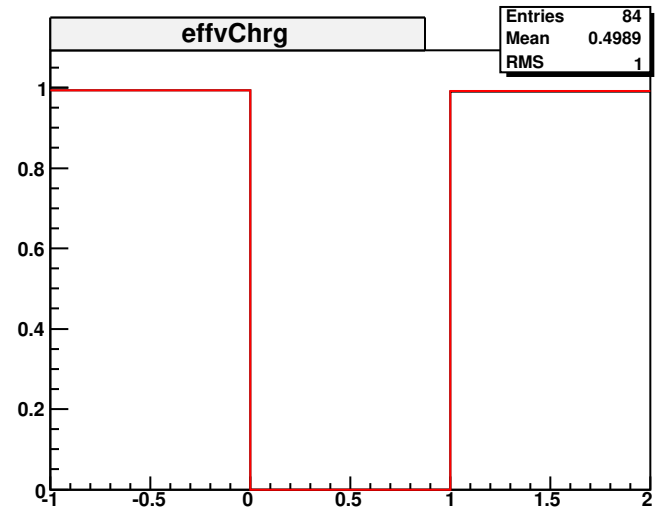


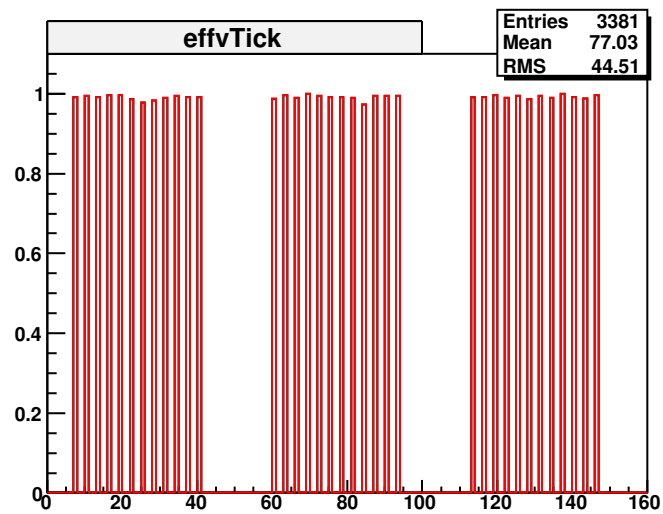
Track Hits (All)

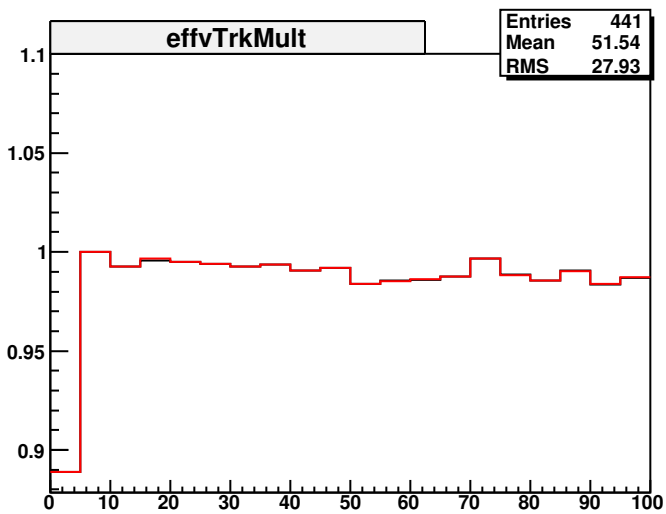




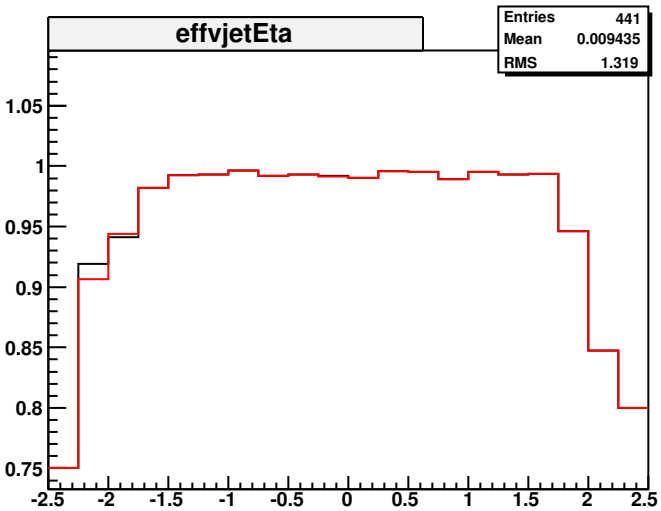


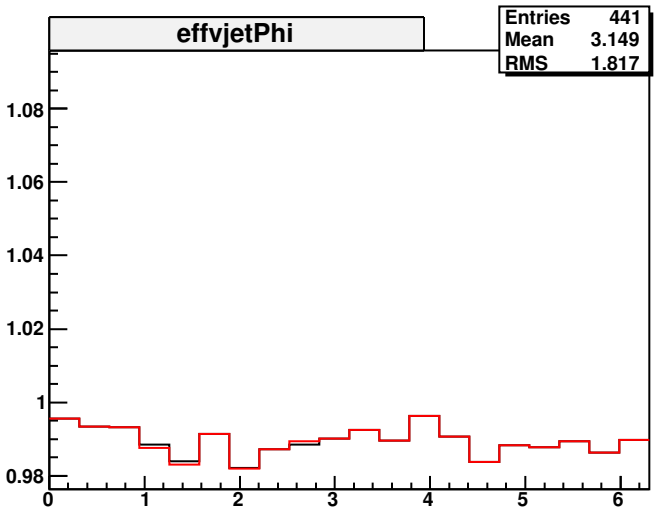


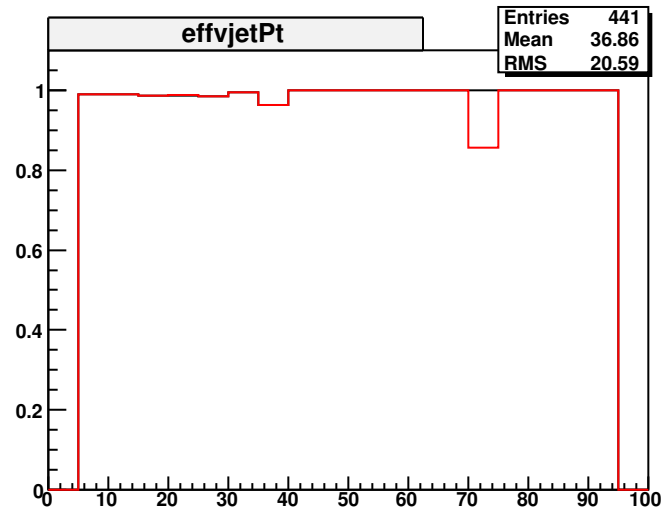




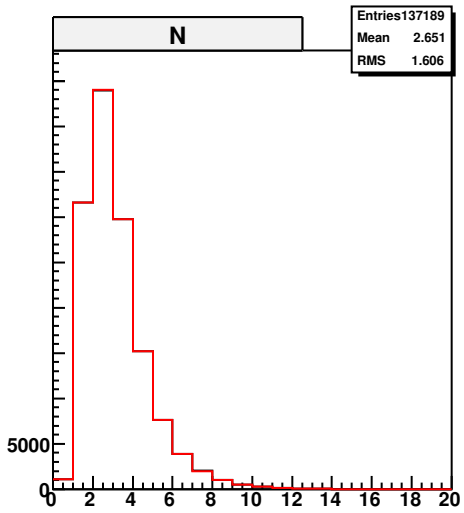
Tracking (Efficiency-Isolated)

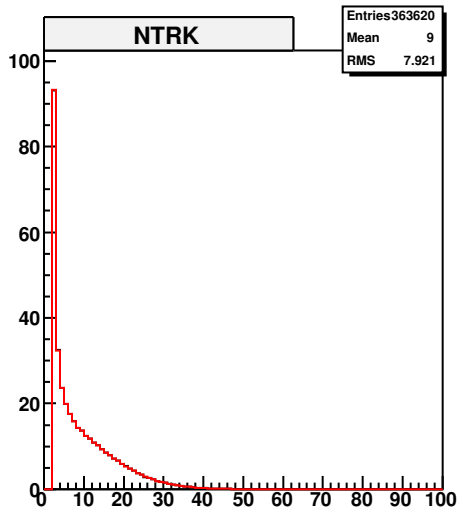


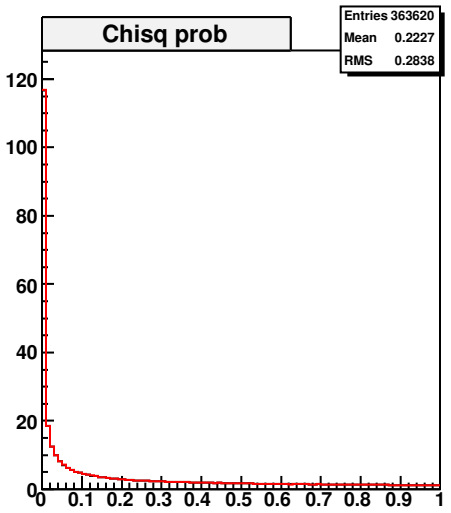


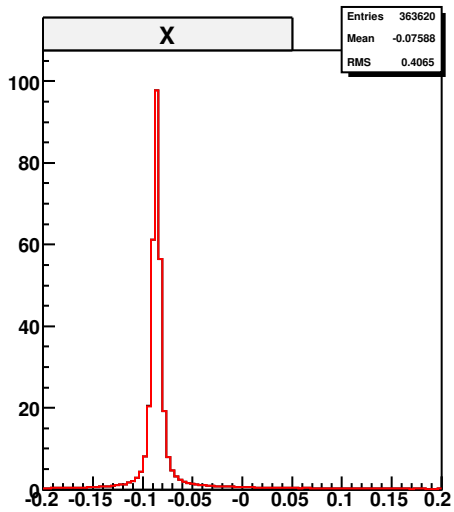


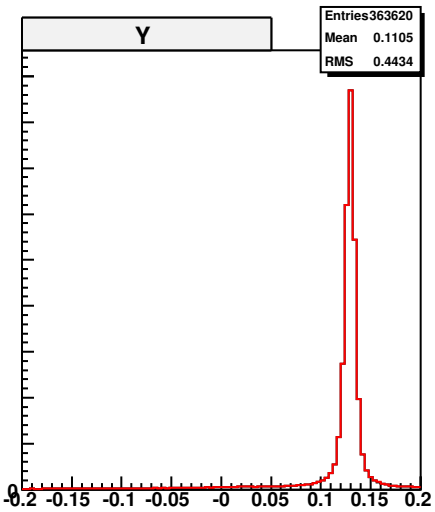
Tracking (Efficiency-InJets)

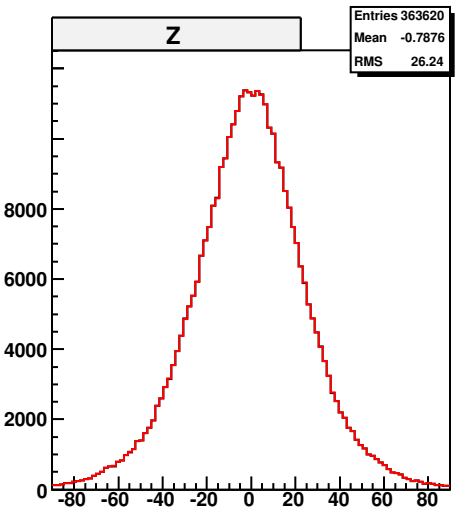




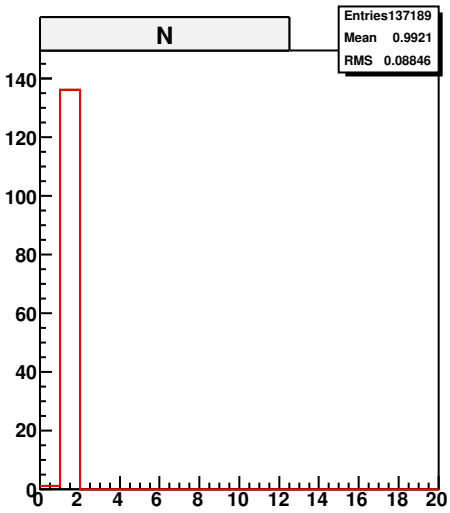


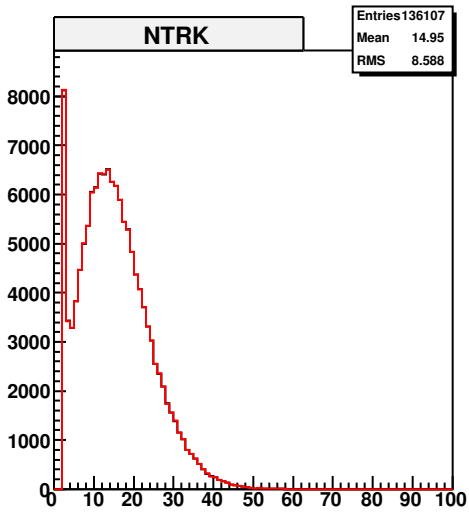


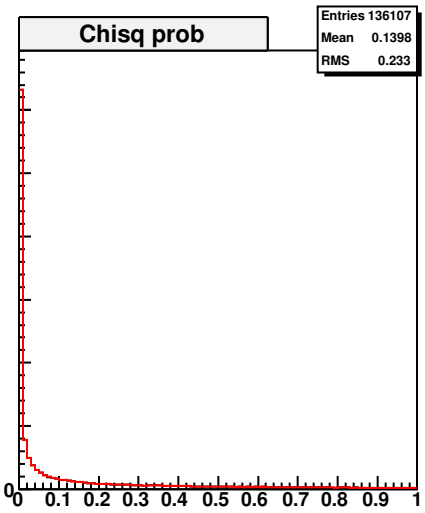


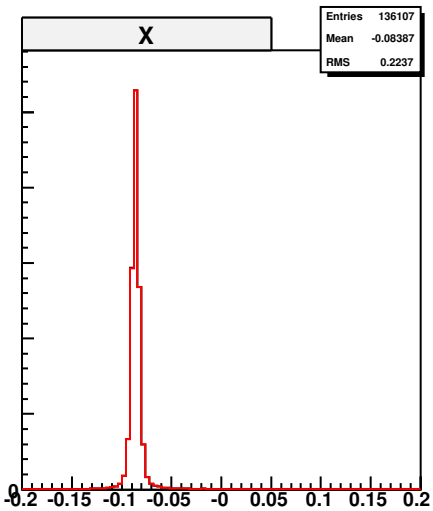


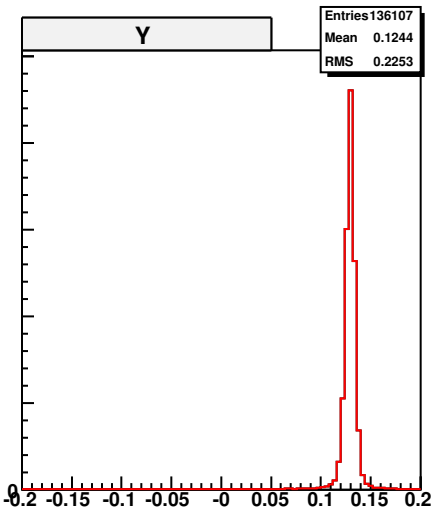
Vertices (Primary - all candidates)

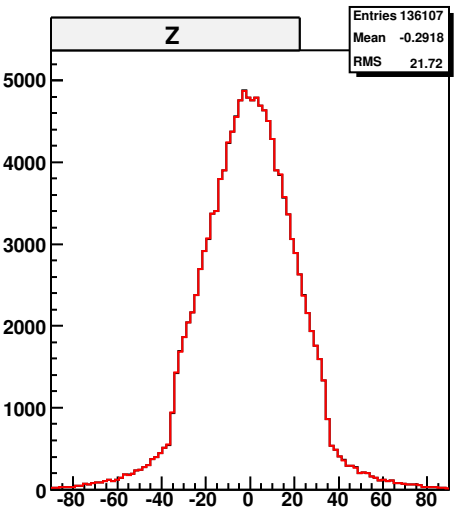




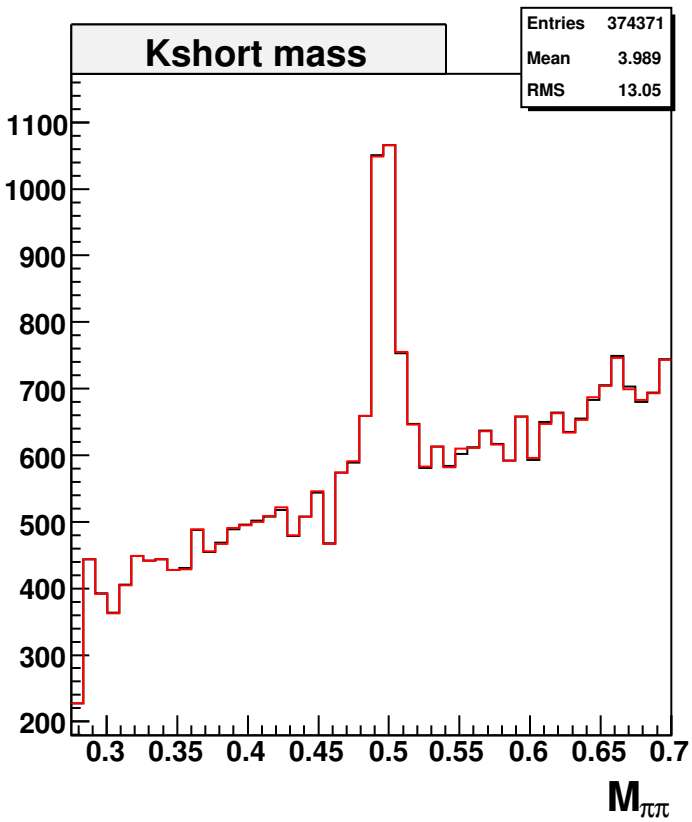


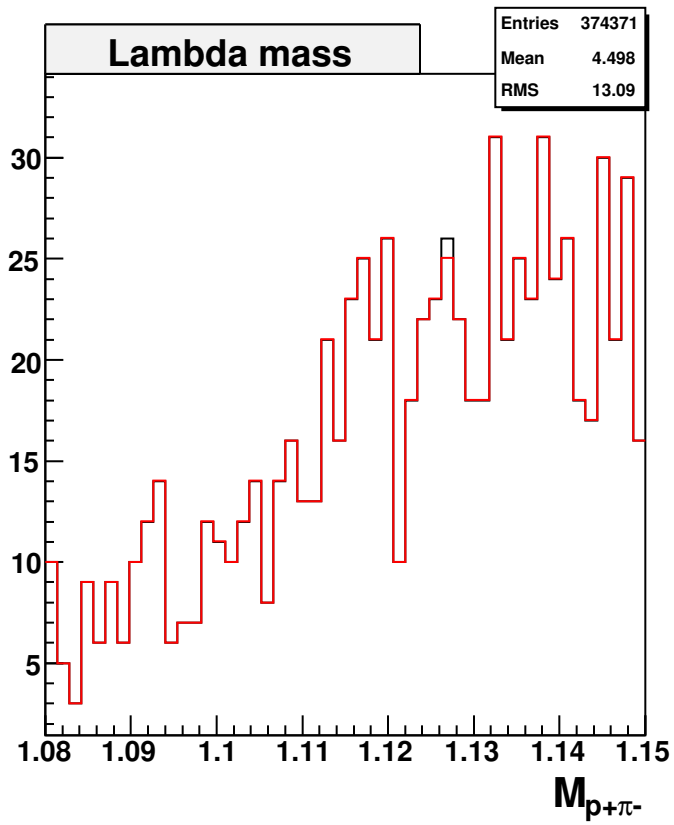


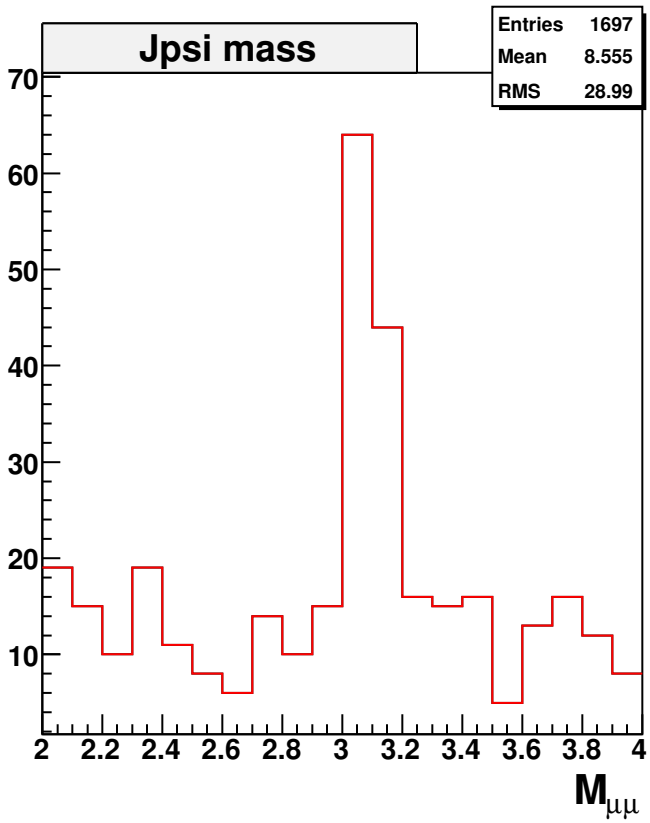


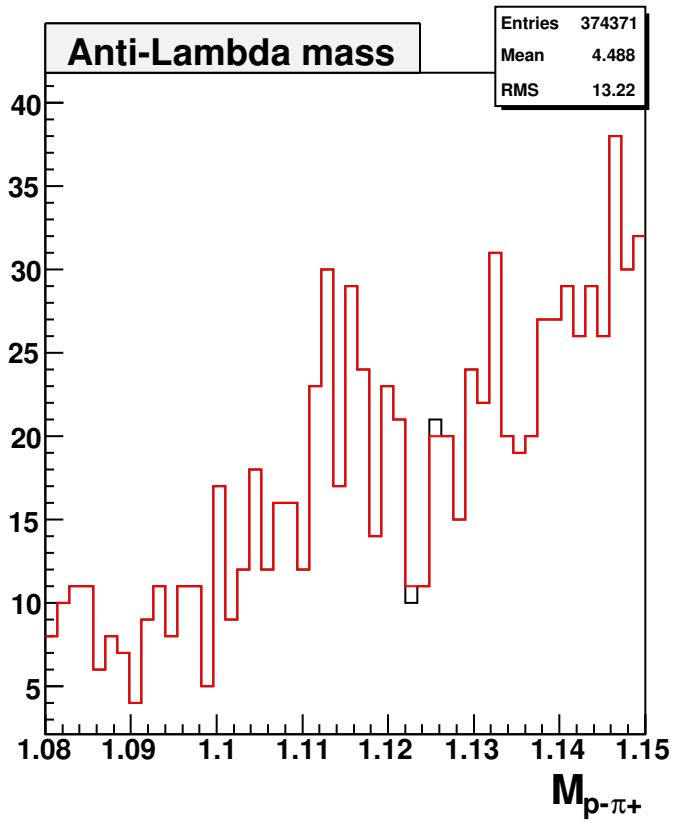


Vertices (Primary - best)

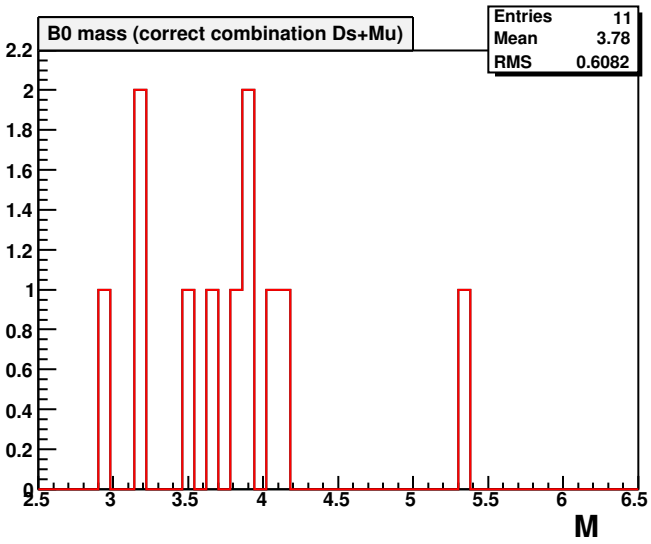

Kshort mass
Entries 374371
Mean 3.989
RMS 13.05
1100
1000
900
800
700
600
500
400
300
200
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

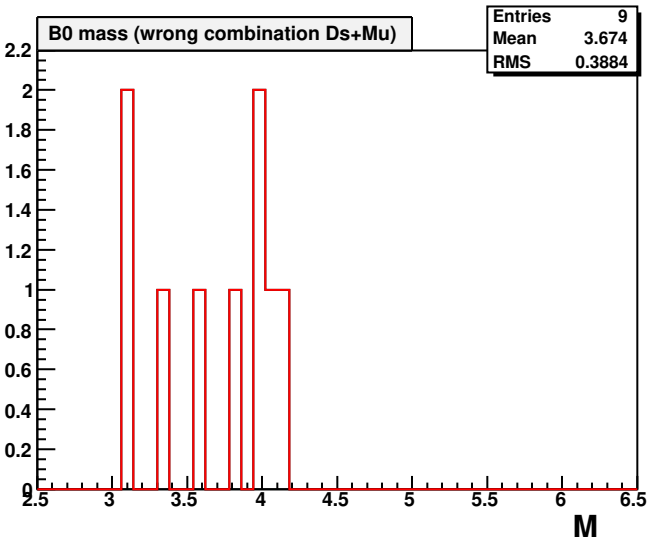

Lambda mass
Entries 374371
Mean 4.498
RMS 13.09
30
25
20
15
10
5
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

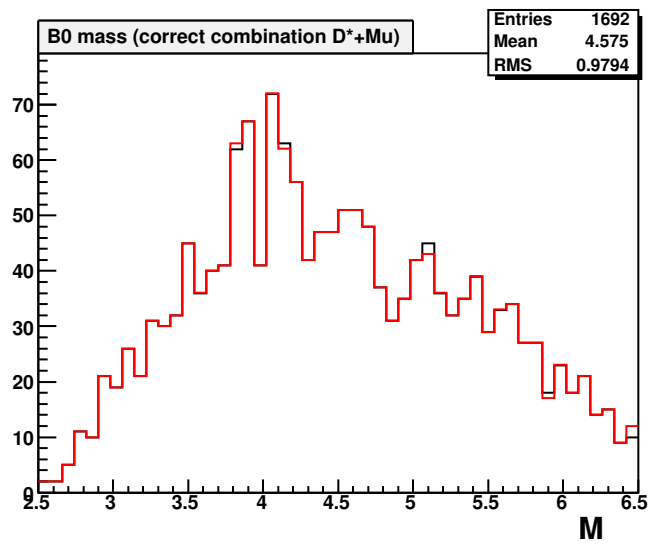

Jpsi mass
Entries 1697
Mean 8.555
RMS 28.99
70
60
50
40
30
20
10
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

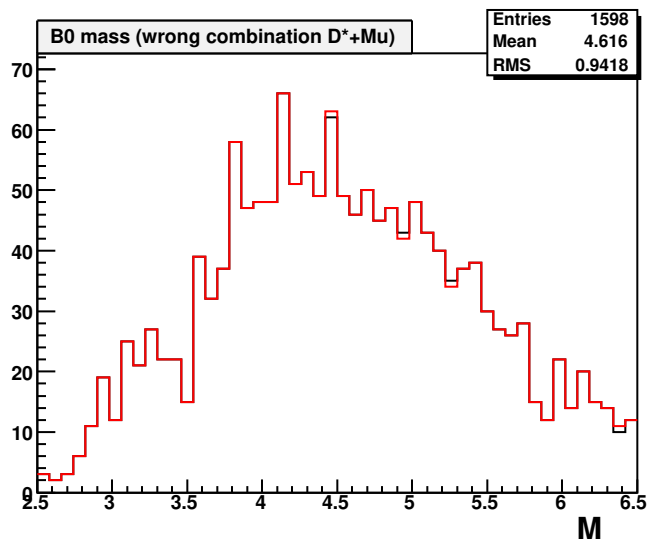

Anti-Lambda mass
Entries 374371
Mean 4.488
RMS 13.22
40
35
30
25
20
15
10
5
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

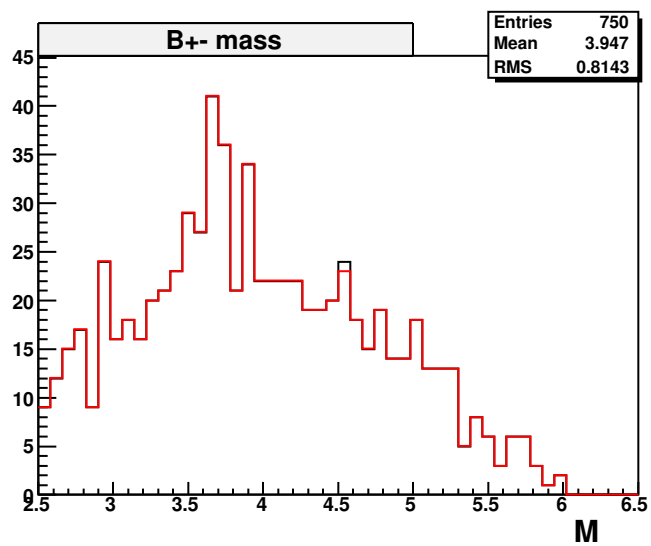
V0 (All)



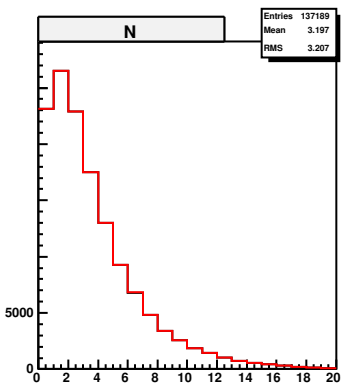


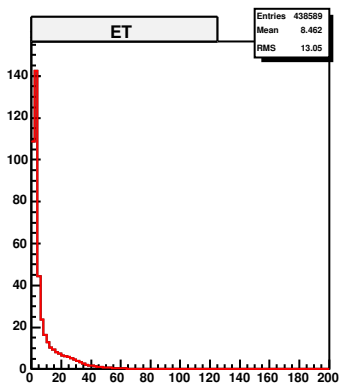


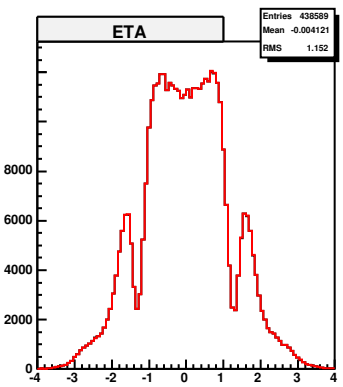


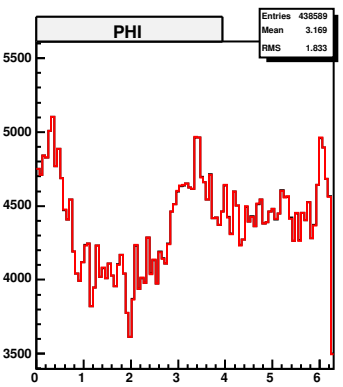


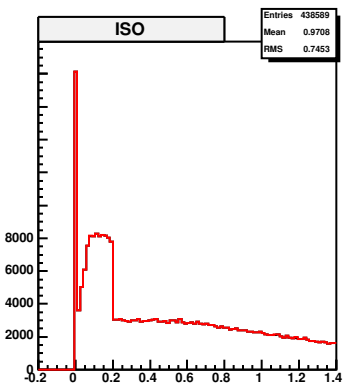
V0(B mesons) (All)

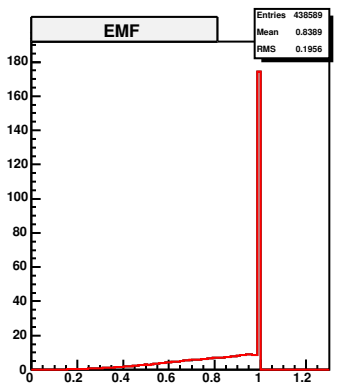


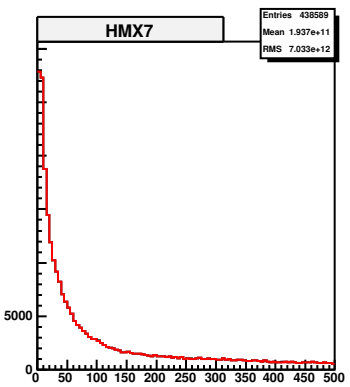


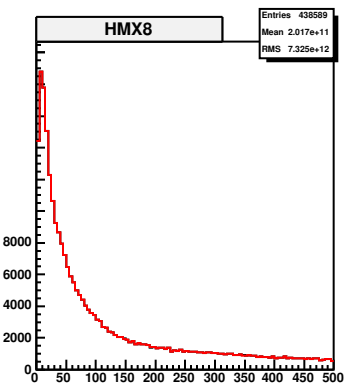


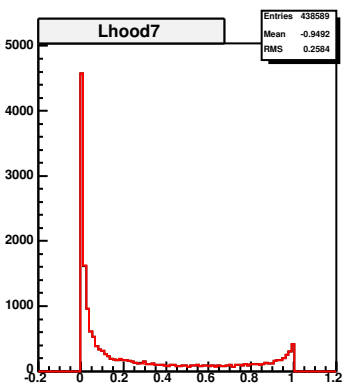


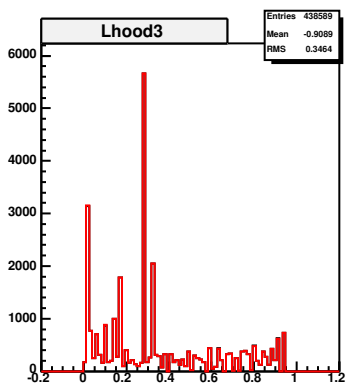


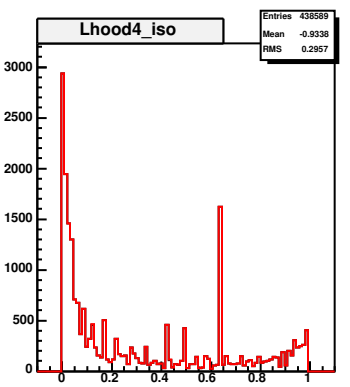


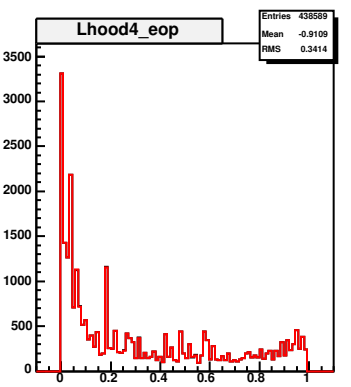


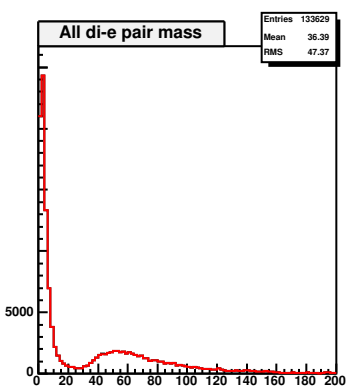


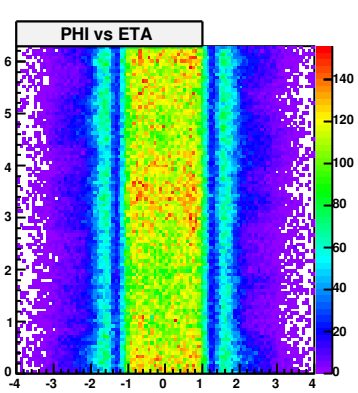


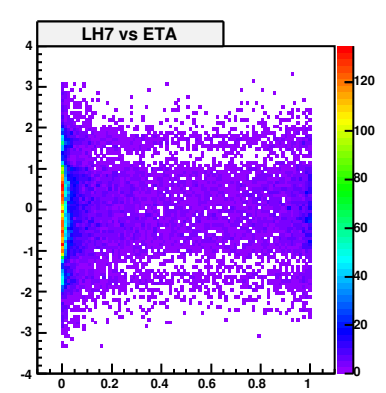


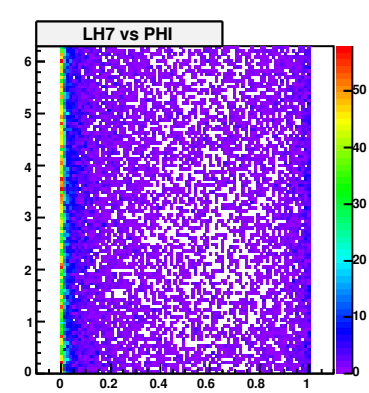




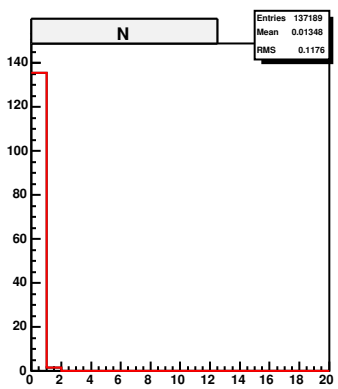


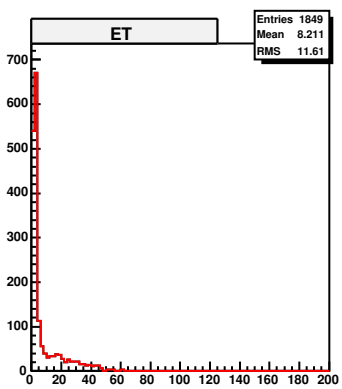


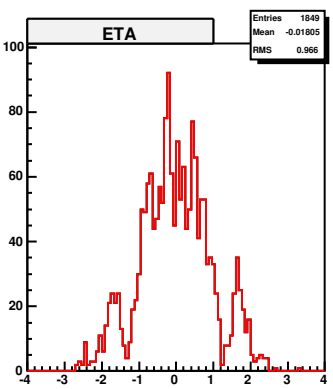


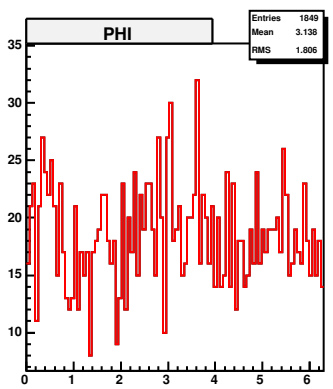


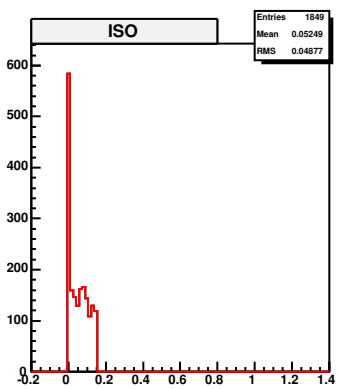
Electrons (SCONE All)

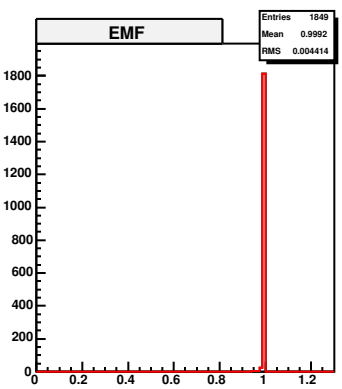


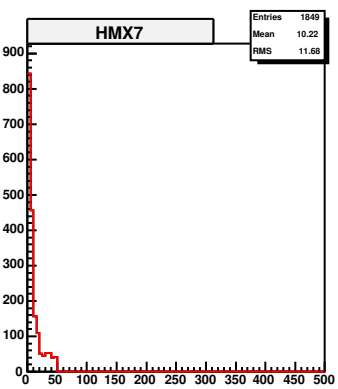


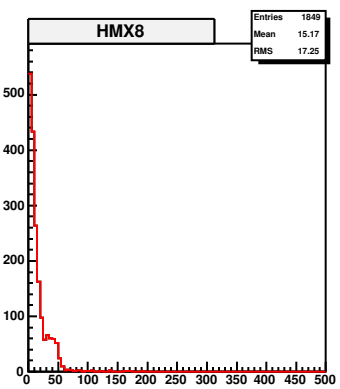


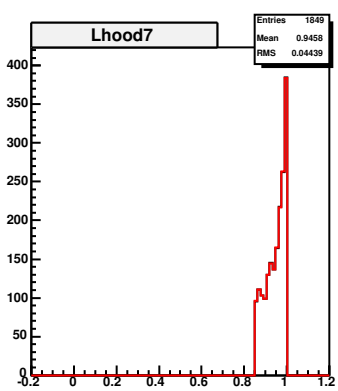


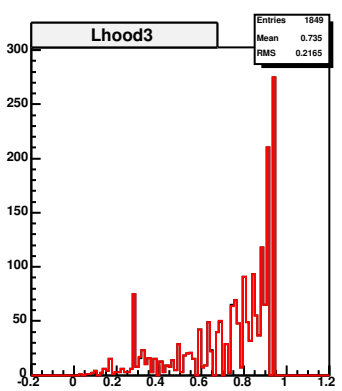


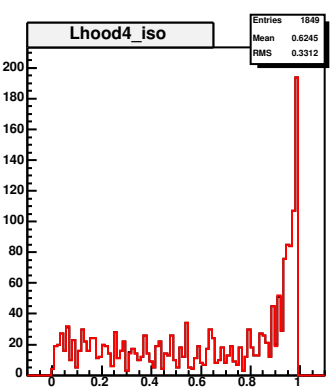


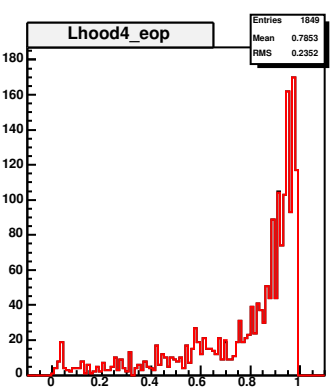


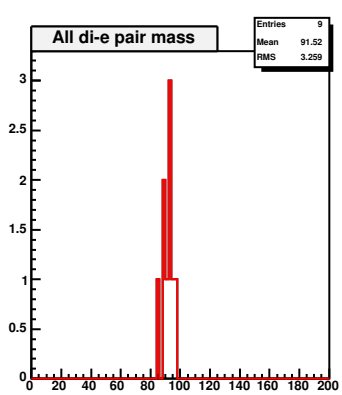


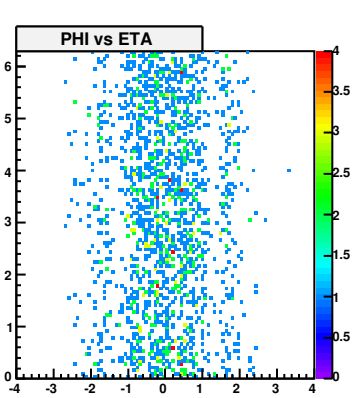


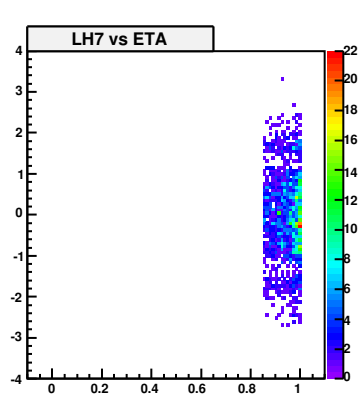


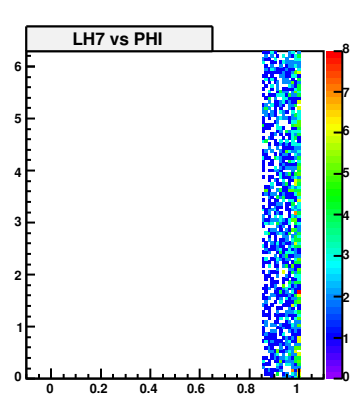




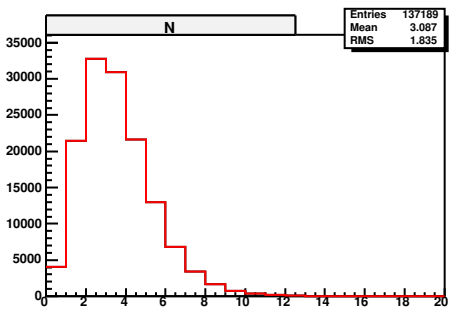


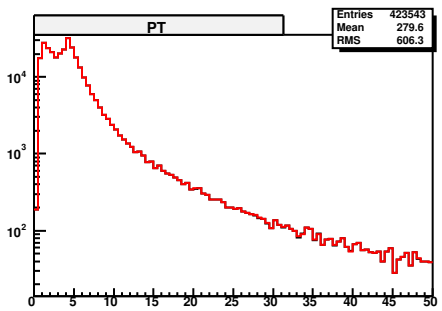


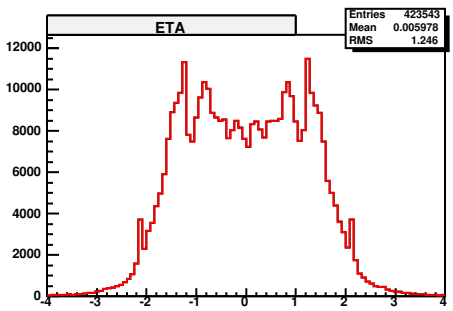


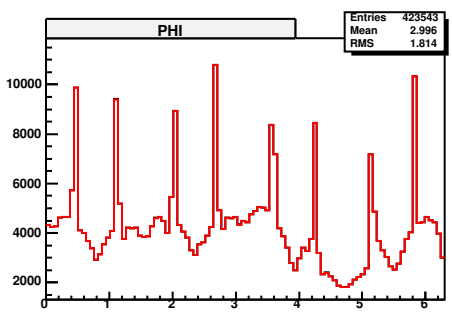


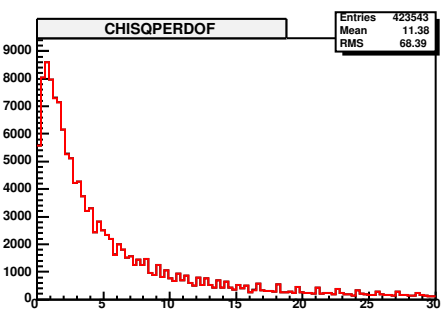
Electrons (SCONE Tight)

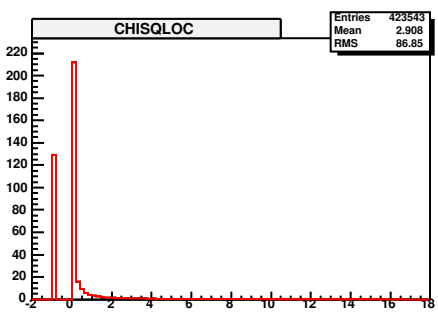

N
Entries 137189
Mean 3.087
RMS 1.835

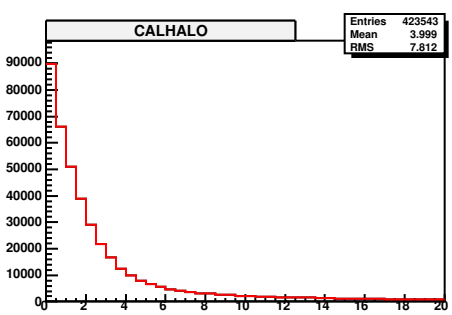

PT
Entries 423543
Mean 279.6
RMS 606.3

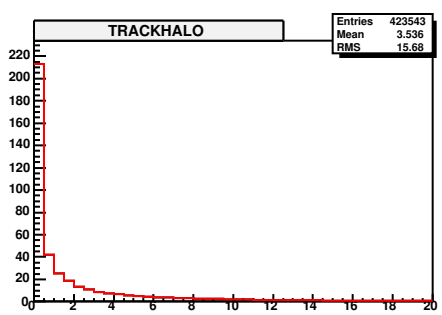

ETA
Entries 423543
Mean 0.005978
RMS 1.246

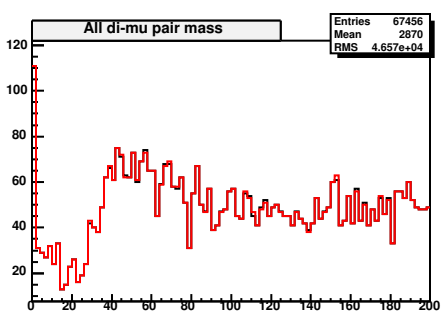

PHI
Entries 423543
Mean 2.996
RMS 1.814

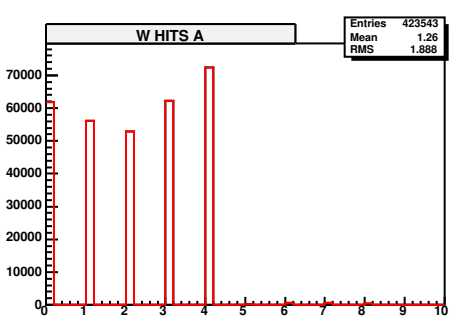

CHISQPERDOF
Entries 423543
Mean 11.38
RMS 68.39

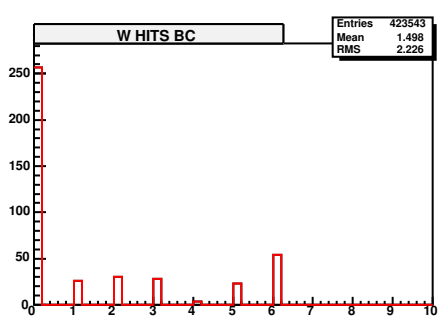

CHISQLOC
Entries 423543
Mean 2.908
RMS 86.85

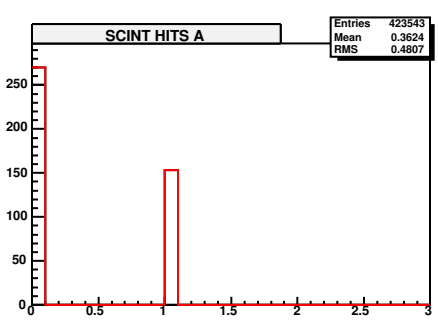

CALHALO
Entries 423543
Mean 3.999
RMS 7.812

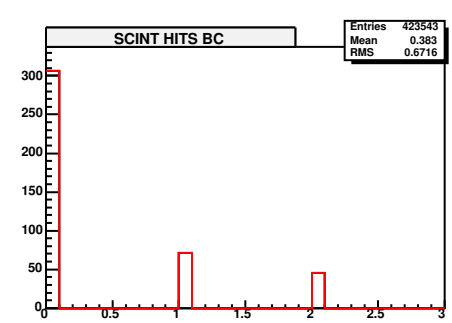

TRACKHALO
Entries 423543
Mean 3.536
RMS 15.68


All di-mu pair mass
Entries 67456
Mean 2870
RMS 4.657e+04

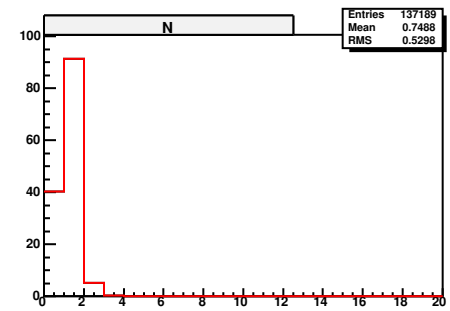

W HITS A
Entries 423543
Mean 1.26
RMS 1.888

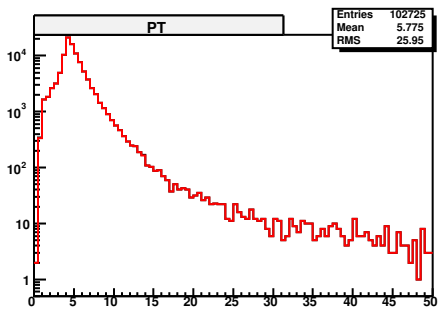

W HITS BC
Entries 423543
Mean 1.498
RMS 2.226

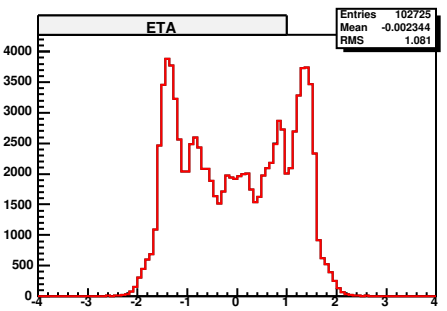

SCINT HITS A
Entries 423543
Mean 0.3624
RMS 0.4807

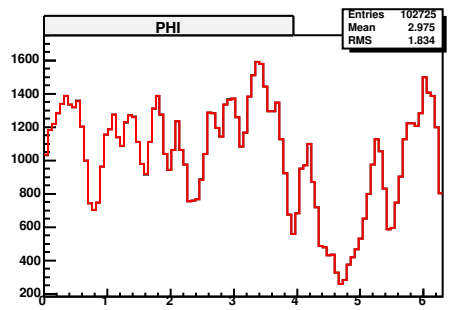

SCINT HITS BC
Entries 423543
Mean 0.383
RMS 0.6716

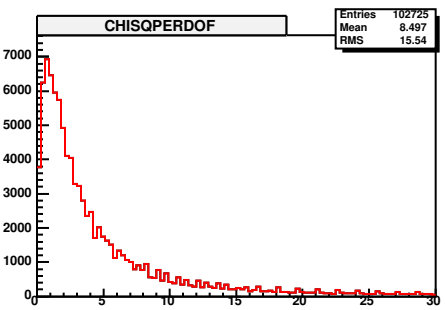
Muons (All)

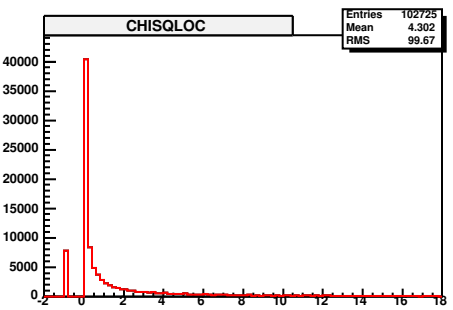


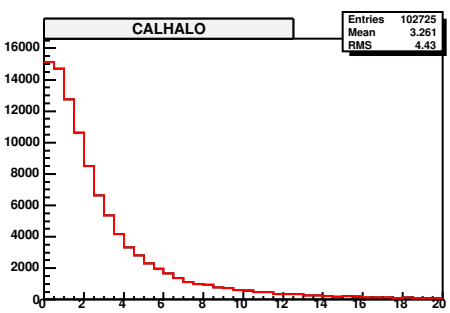


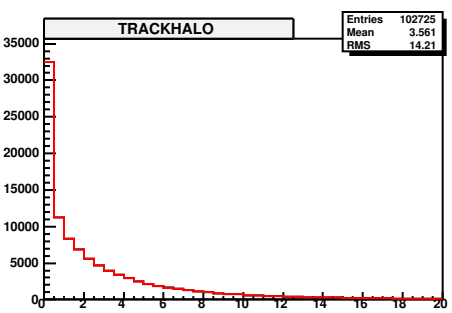


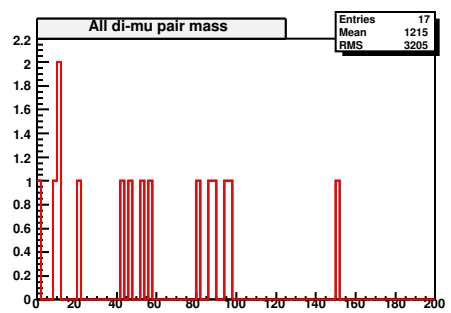


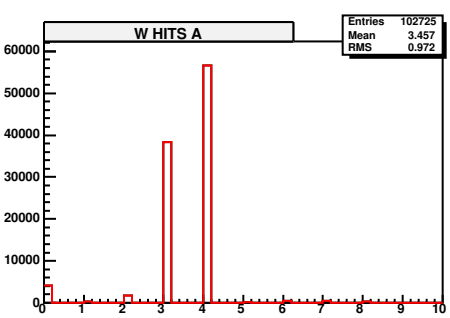


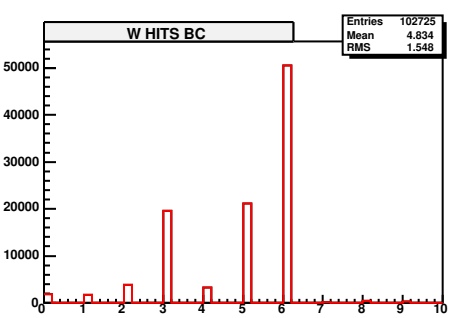


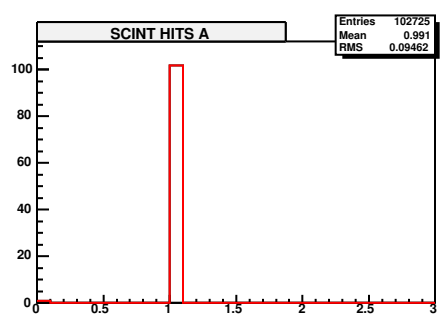


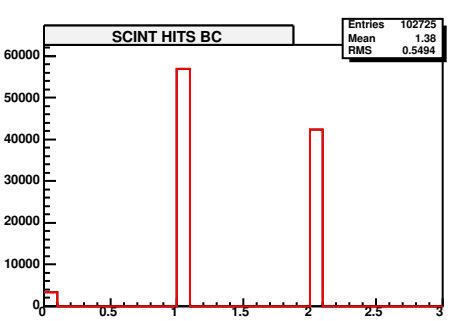




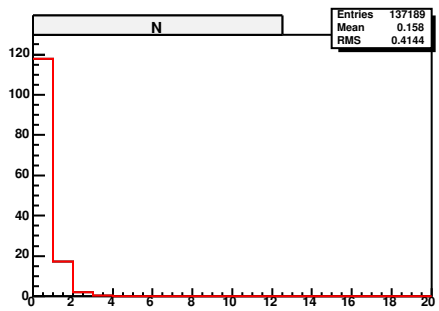


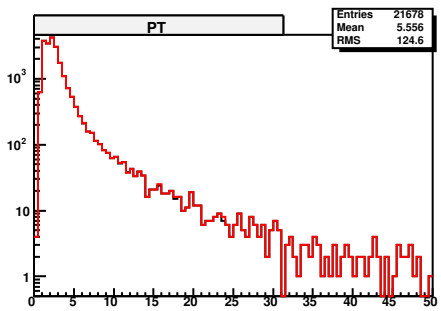


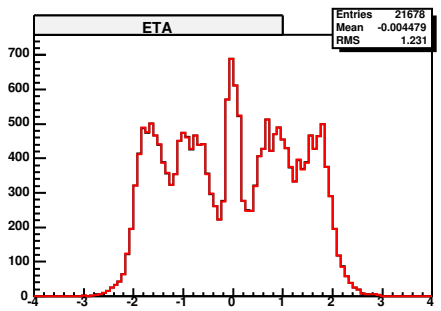


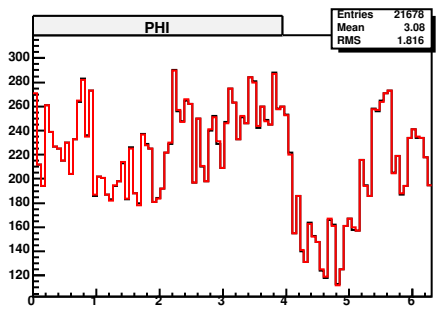


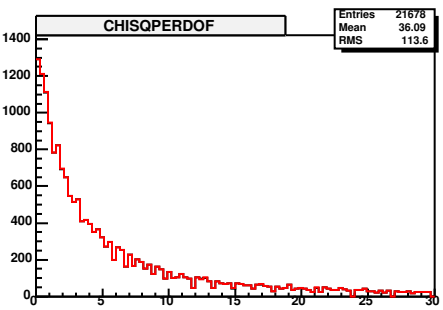
Muons (Matched)

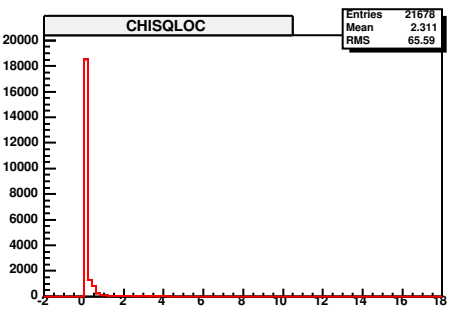

N
Entries 137189
Mean 0.158
RMS 0.4144

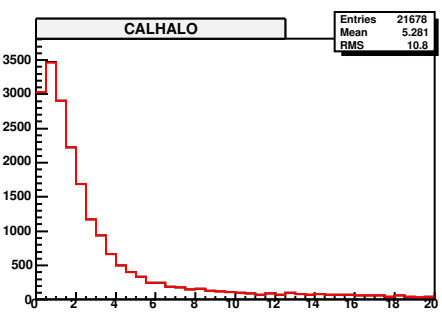

PT
Entries 21678
Mean 5.556
RMS 124.6

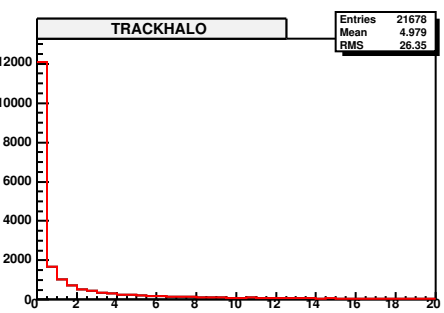

ETA
Entries 21678
Mean -0.004479
RMS 1.231

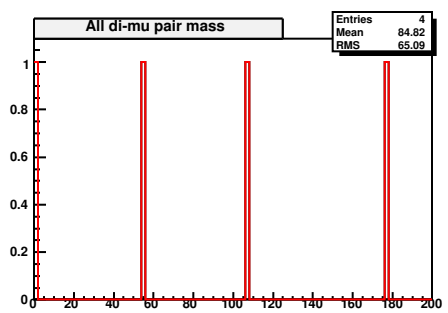

PHI
Entries 21678
Mean 3.08
RMS 1.816

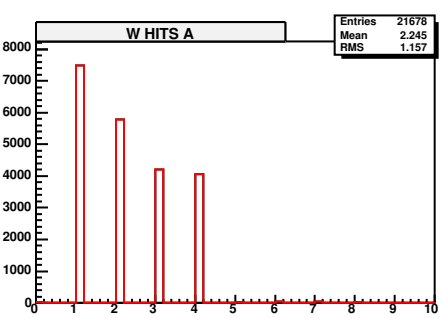

CHISQPERDOF
Entries 21678
Mean 36.09
RMS 113.6

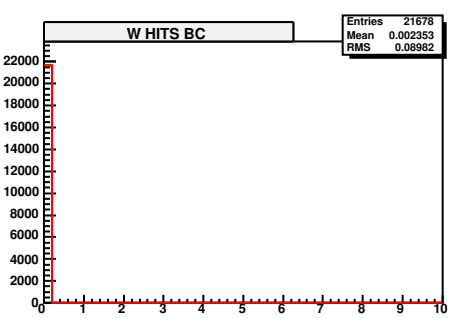

CHISQLOC
Entries 21678
Mean 2.311
RMS 65.59

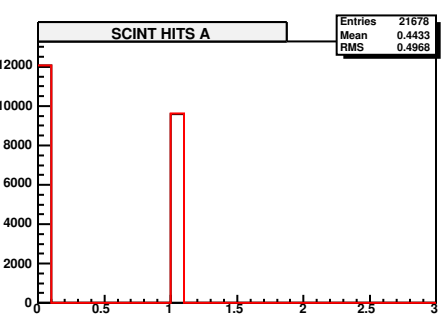

CALHALO
Entries 21678
Mean 5.281
RMS 10.8

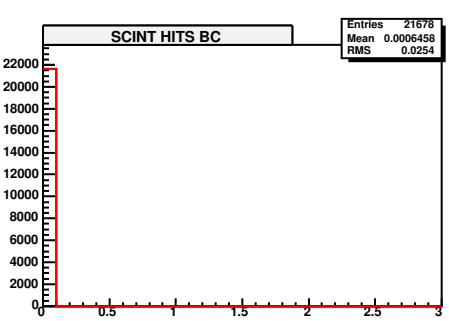

TRACKHALO
Entries 21678
Mean 4.979
RMS 26.35


All di-mu pair mass
Entries 4
Mean 84.82
RMS 65.09

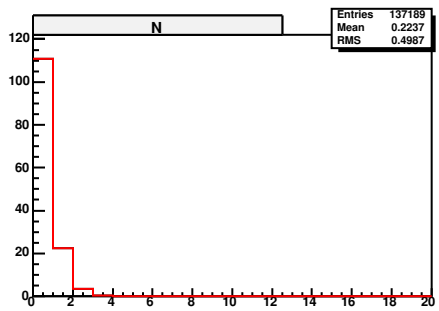

W HITS A
Entries 21678
Mean 2.245
RMS 1.157

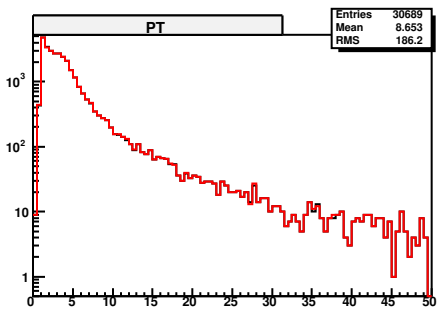

W HITS BC
Entries 21678
Mean 0.002353
RMS 0.08982

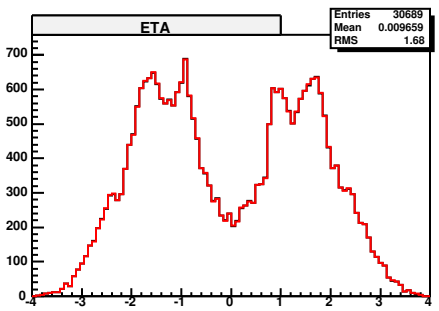

SCINT HITS A
Entries 21678
Mean 0.4433
RMS 0.4968

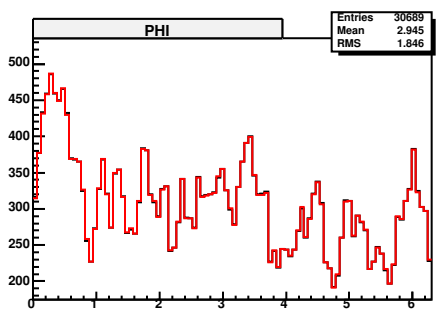

SCINT HITS BC
Entries 21678
Mean 0.0006458
RMS 0.0254

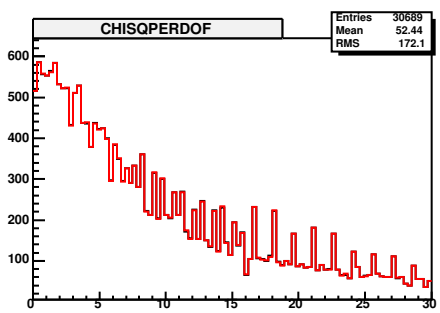
Muons (Astub)

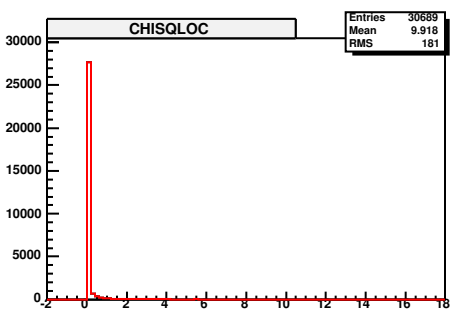


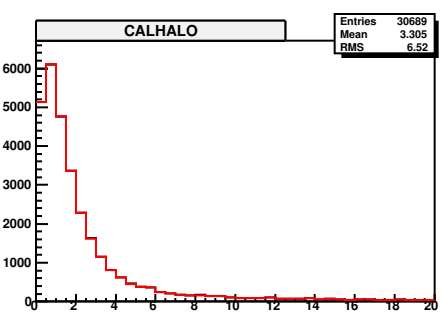


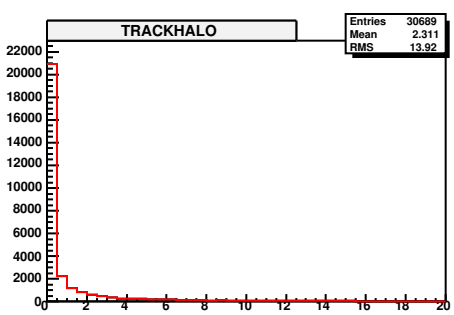


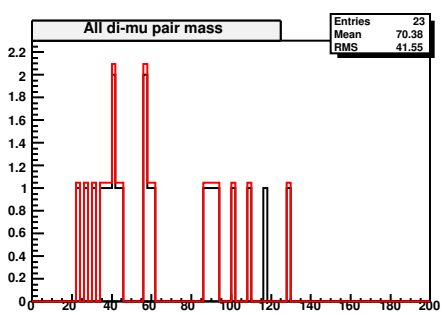


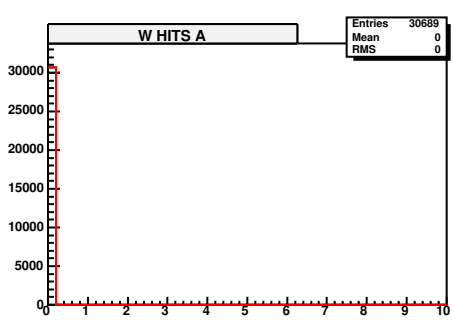


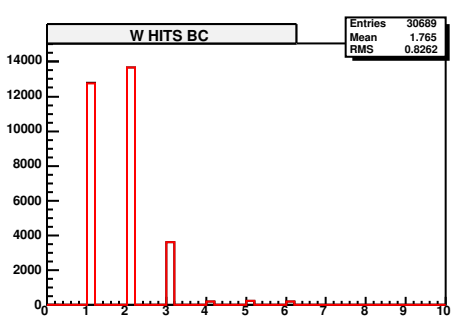


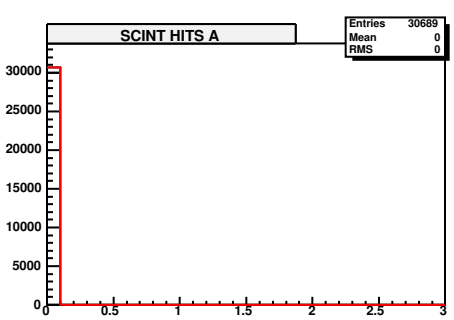


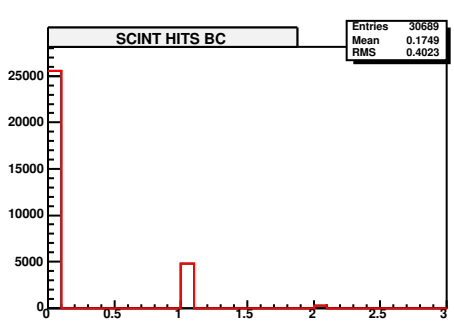




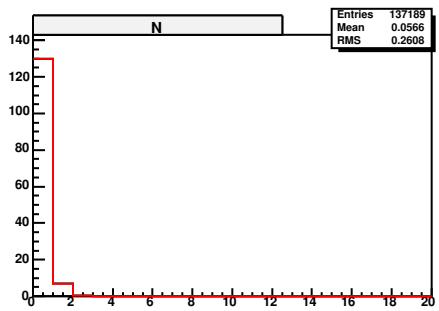


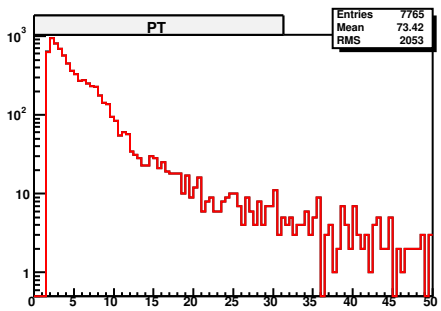


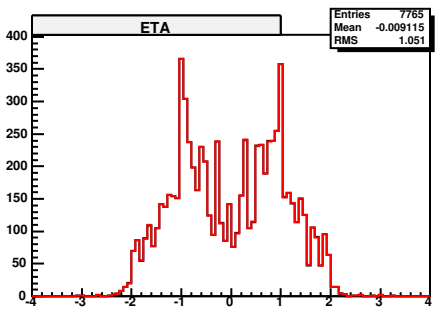


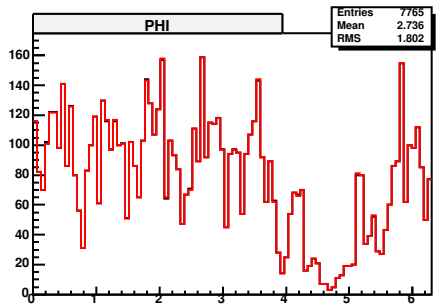


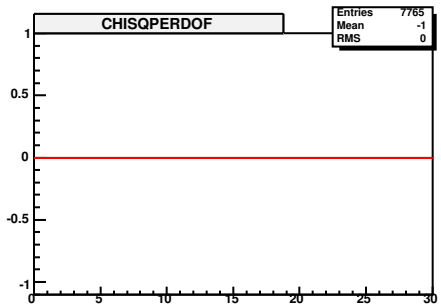
Muons (BCstub)

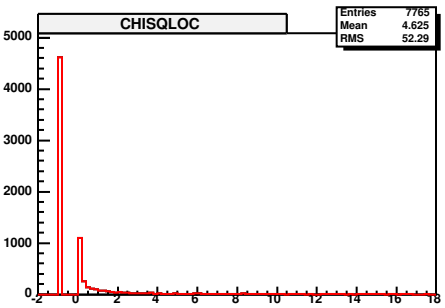


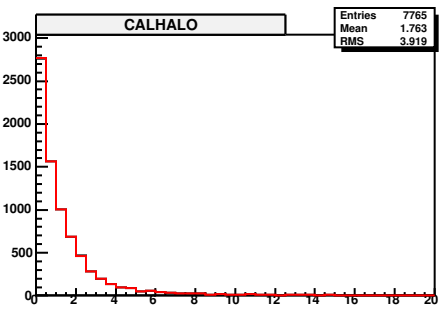


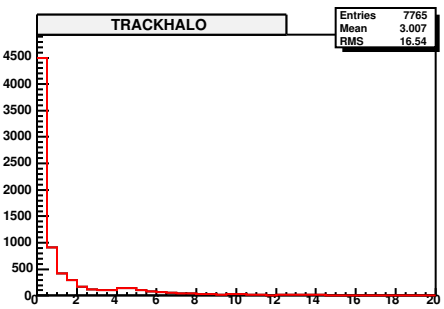


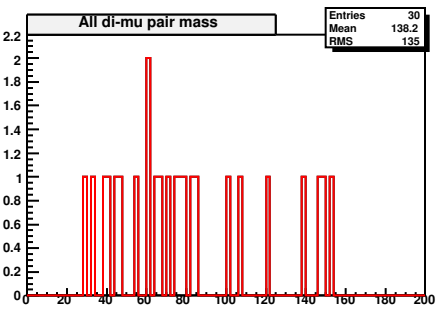


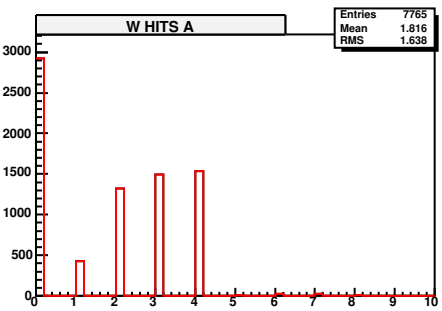


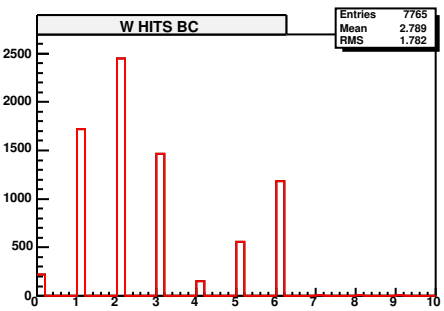


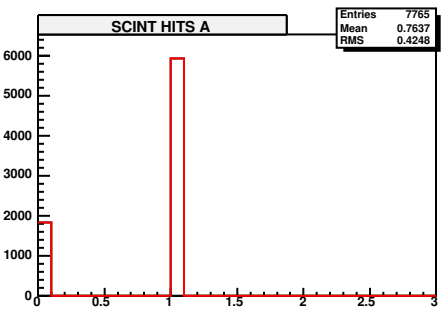


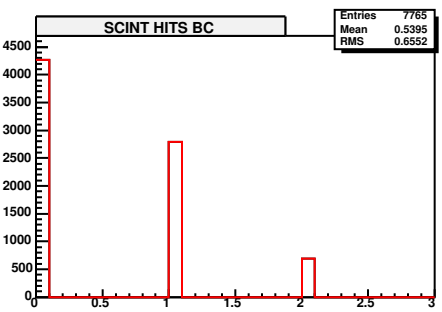




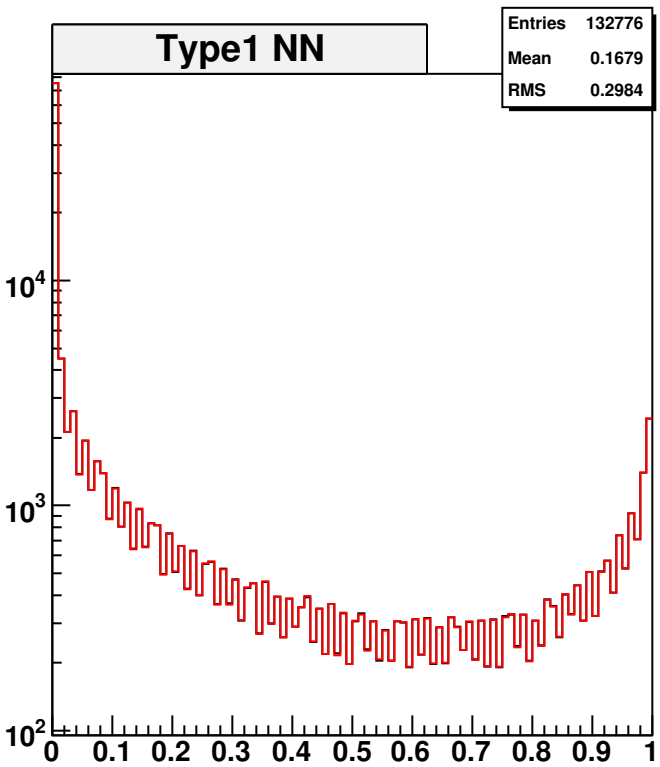


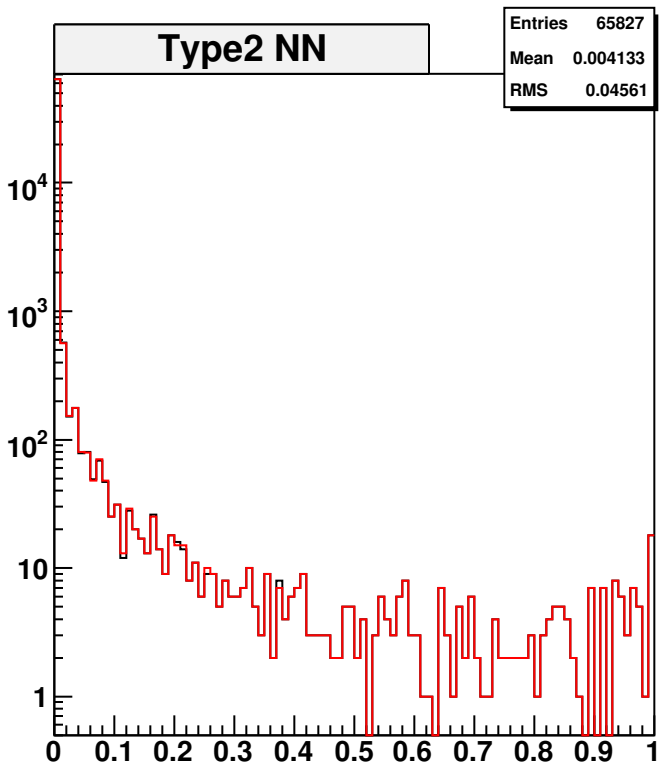


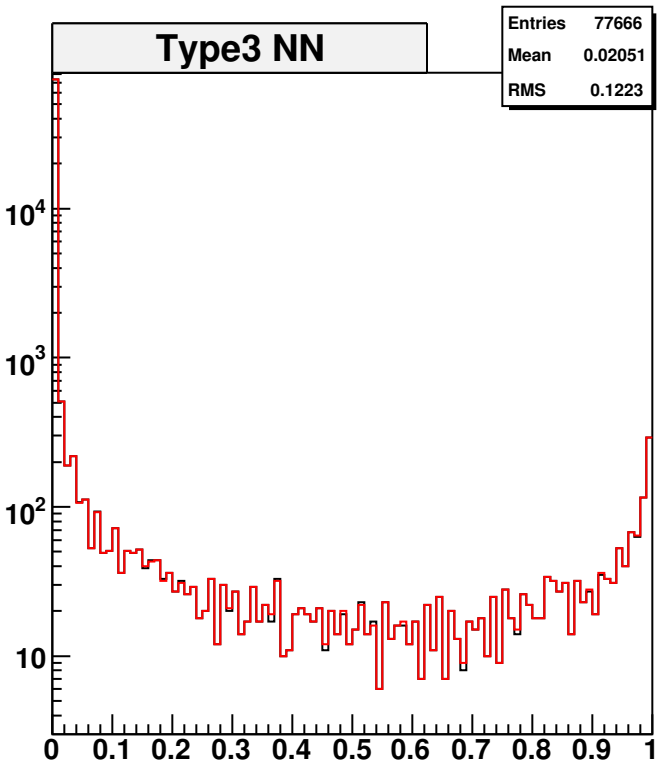


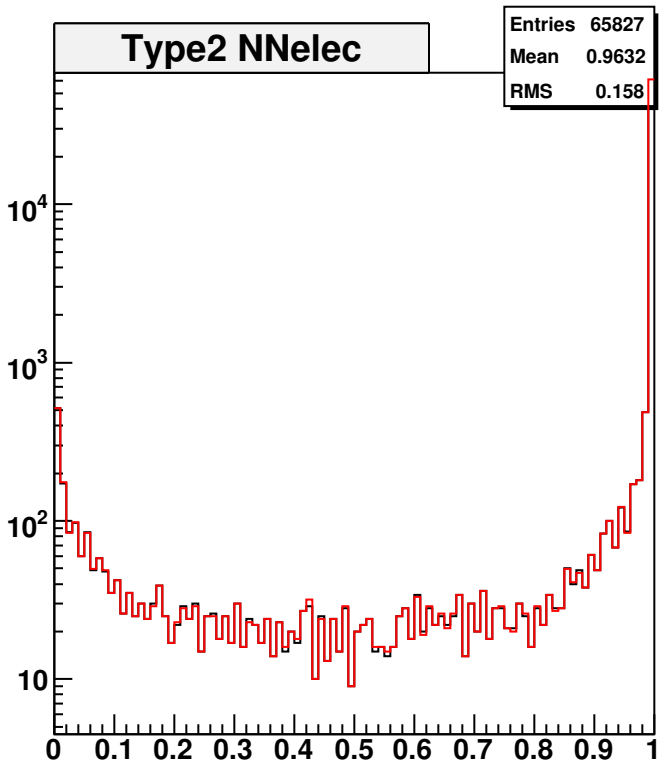


Muons (Unmatched)

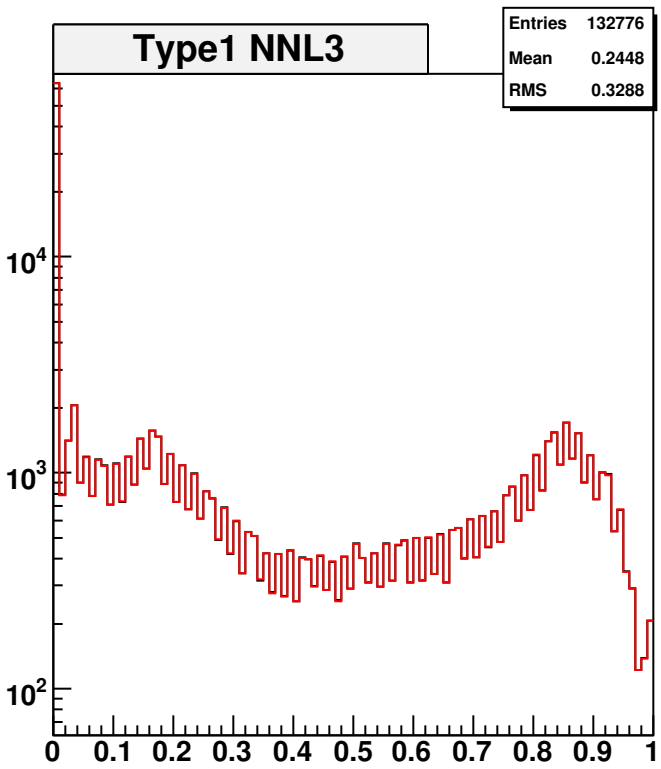


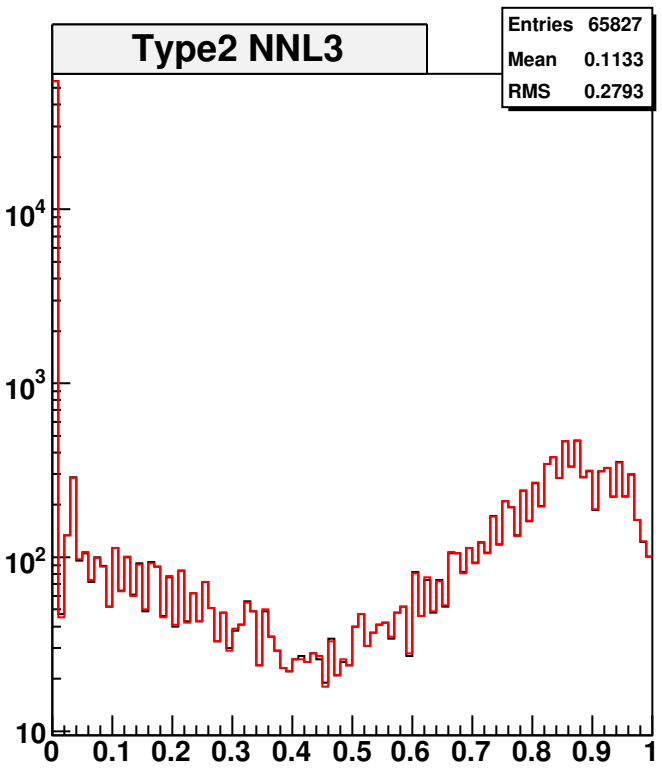


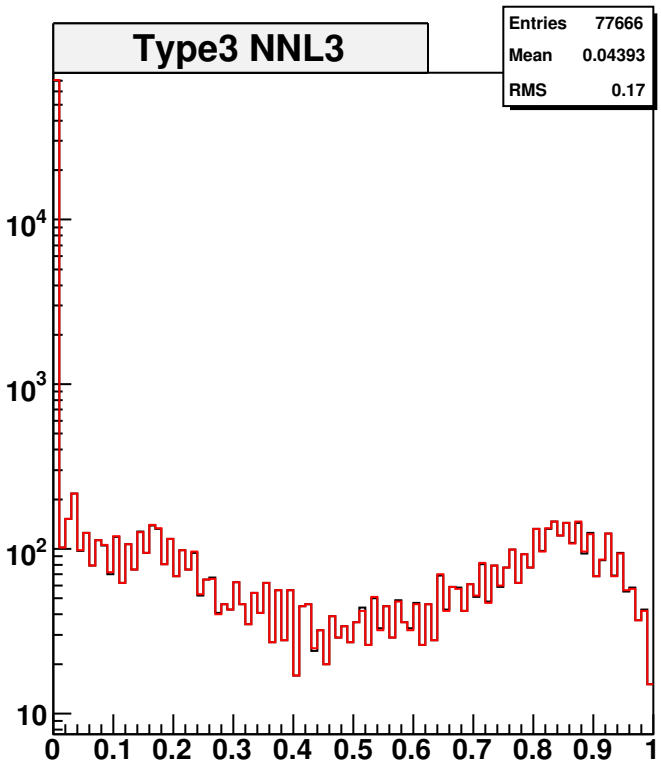


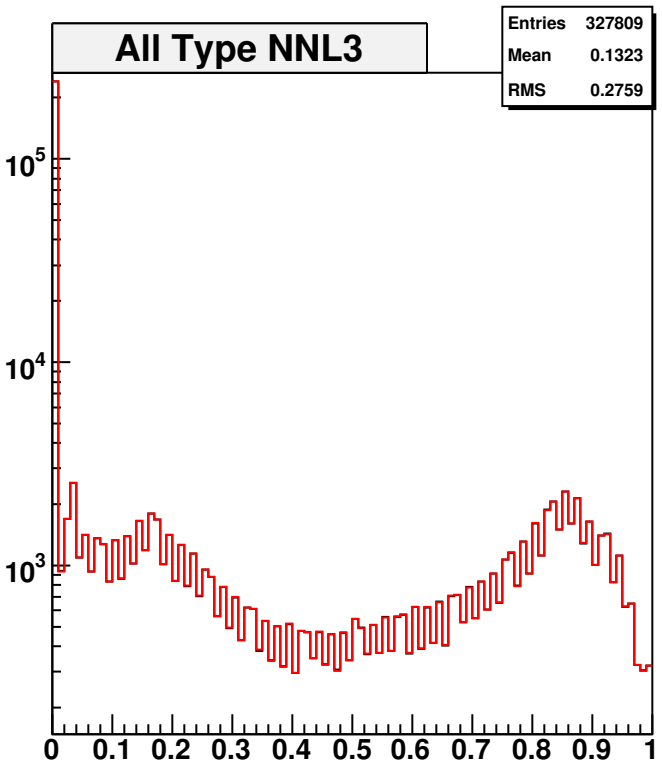


Taus NN (TAU All)

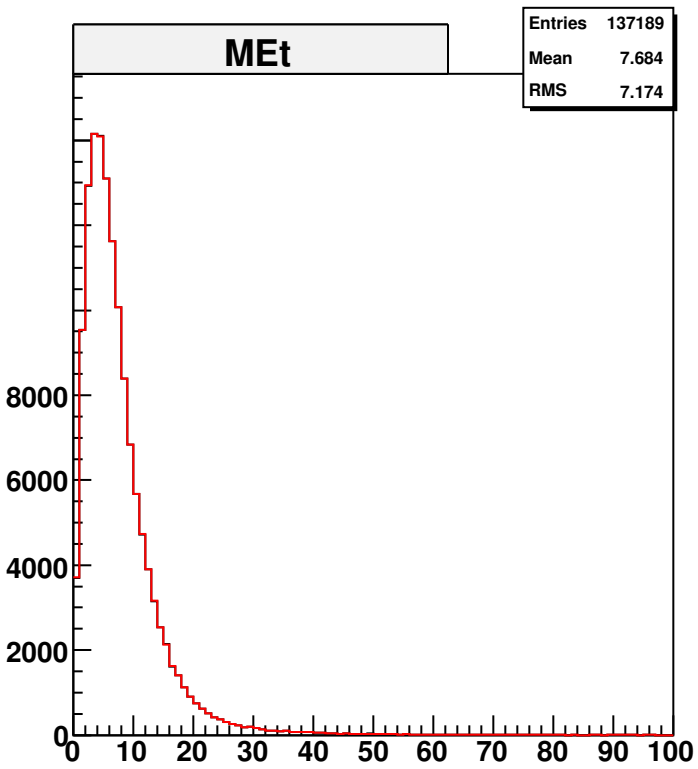


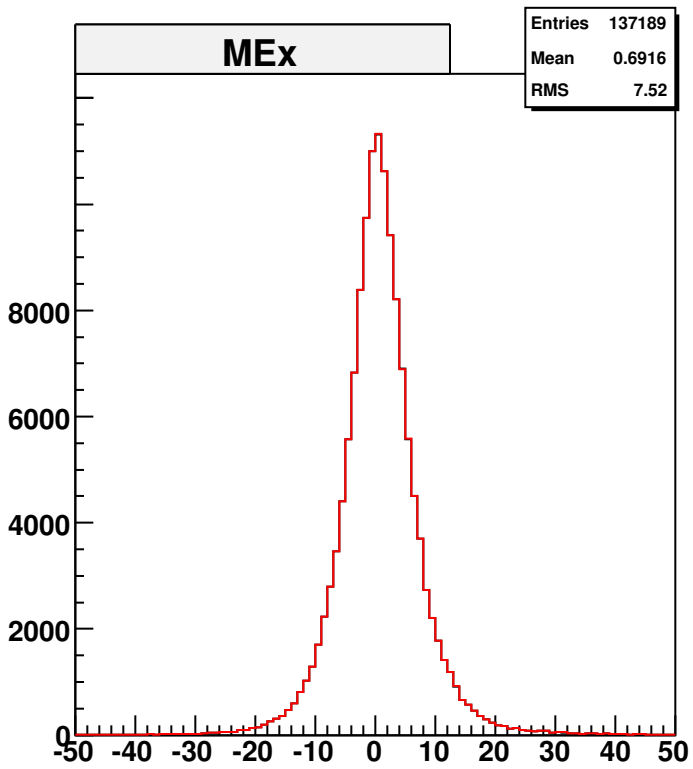






Taus NNL3 (TAU All)


MEt
Entries 137189
Mean 7.684
RMS 7.174
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100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RMS 7.52
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6000
4000
2000
0
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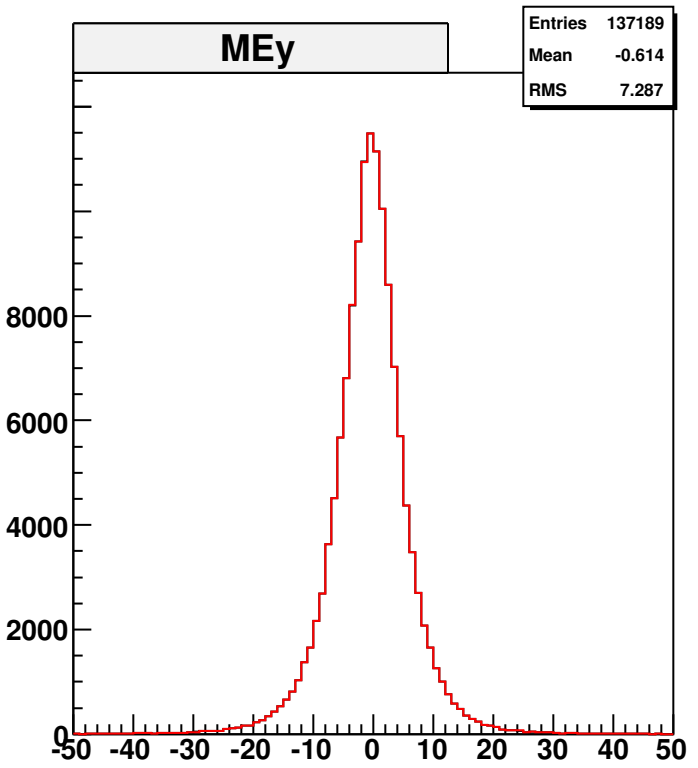
MEy
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RMS 7.287
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6000
4000
2000
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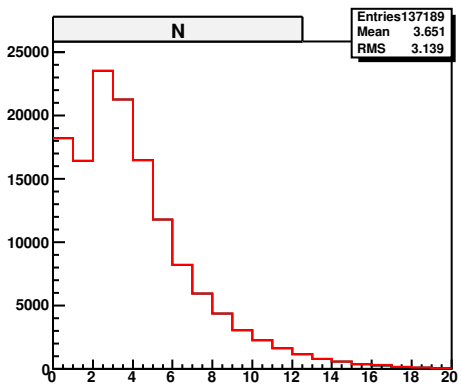
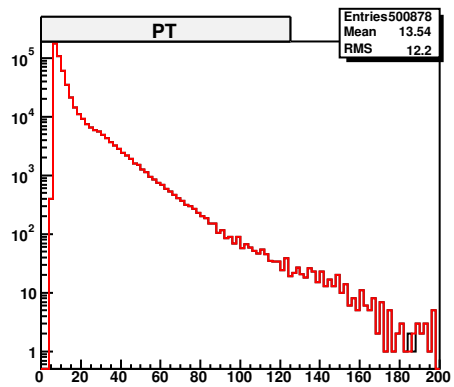
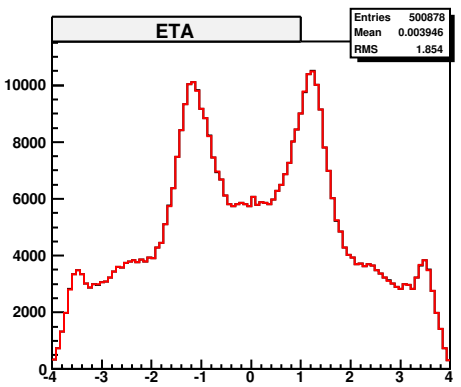
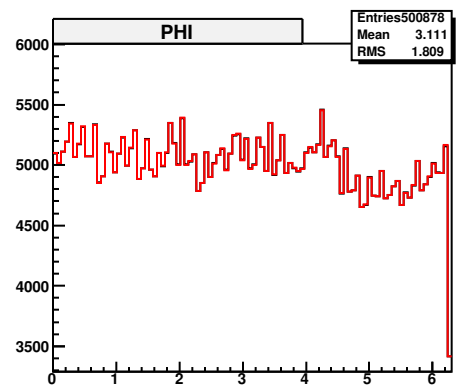
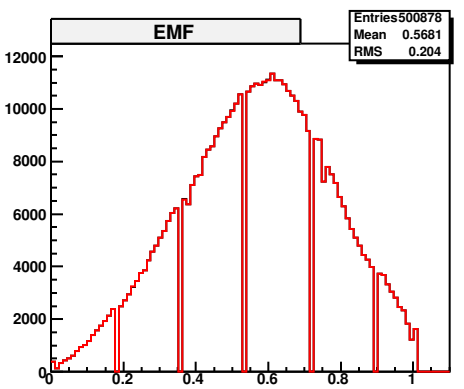
Met (No cuts)

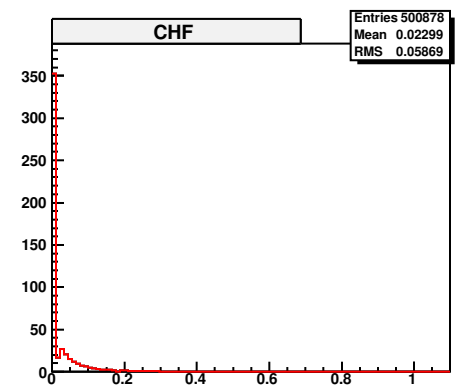


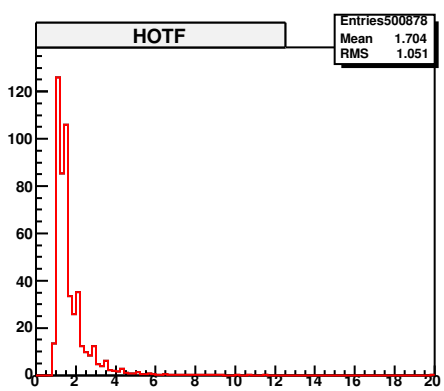


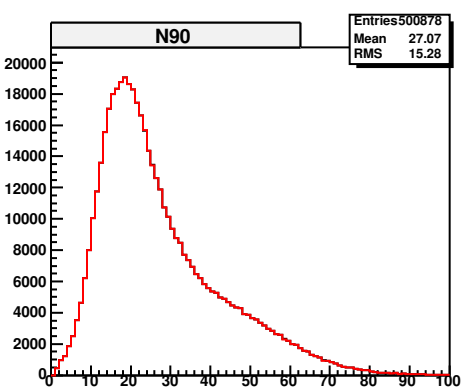


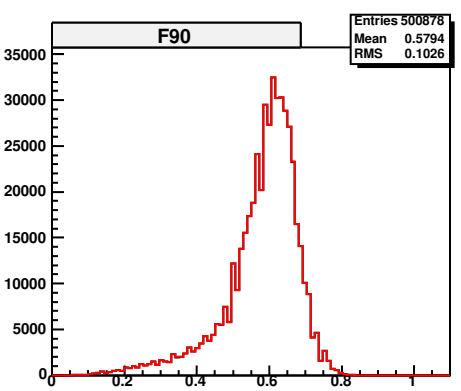


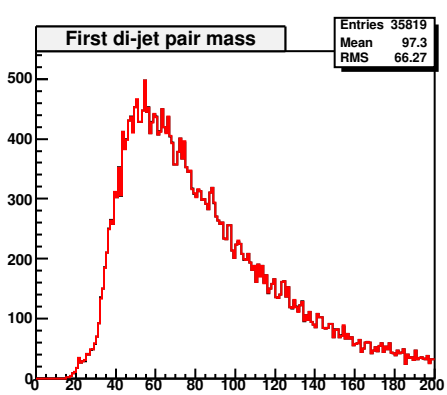


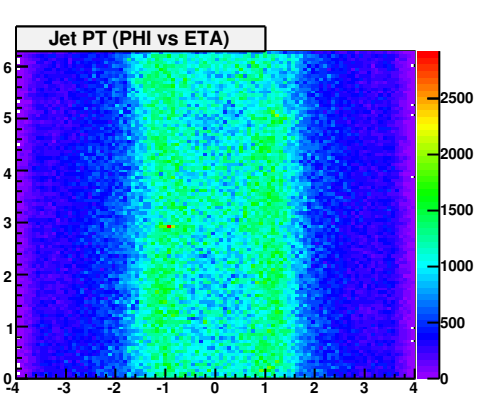




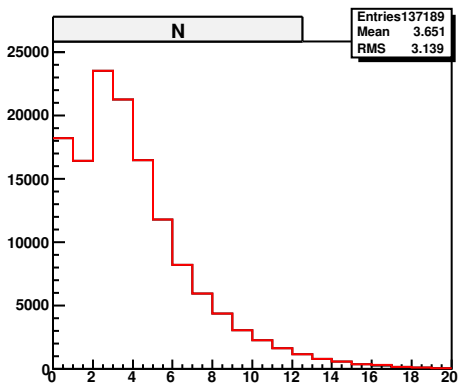


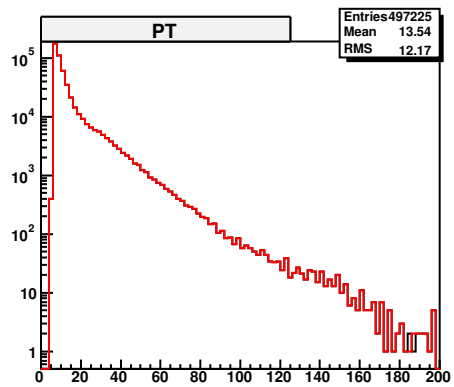


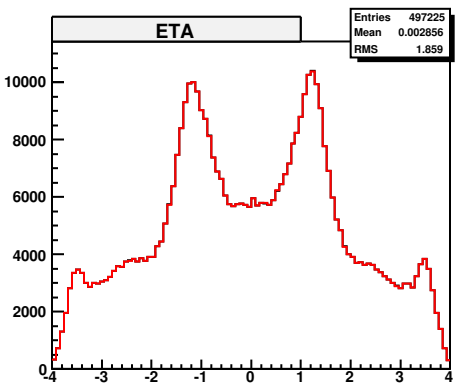


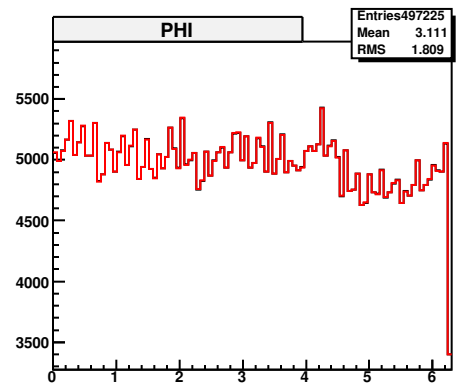


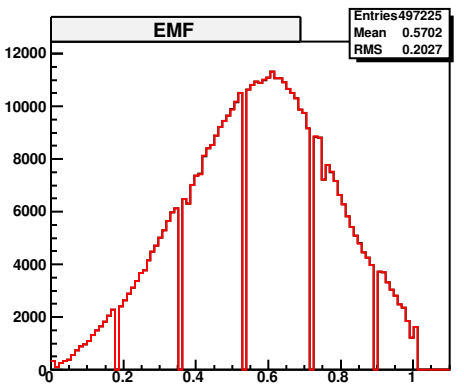
Jets (Cone R 0.7 (no cuts))

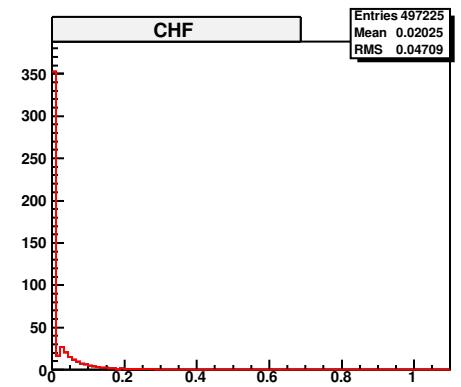


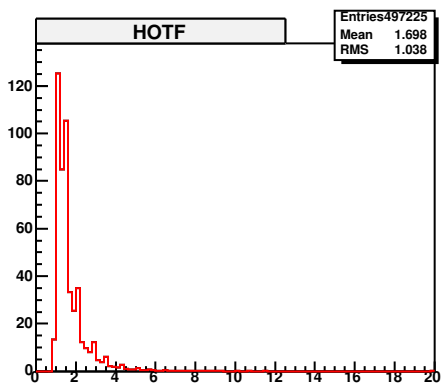


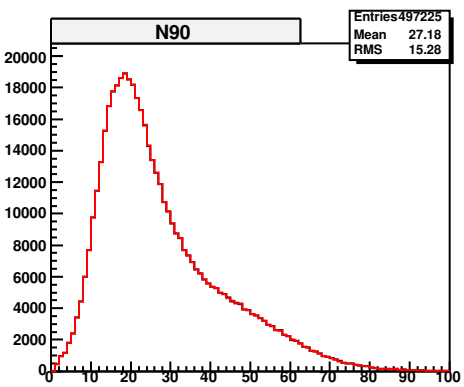


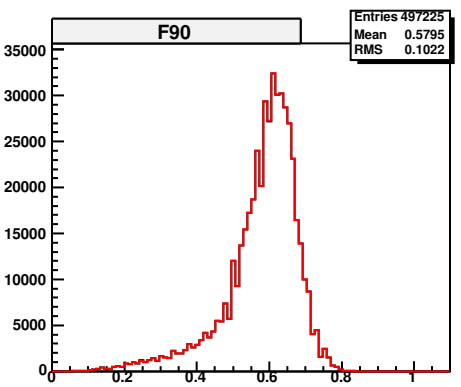


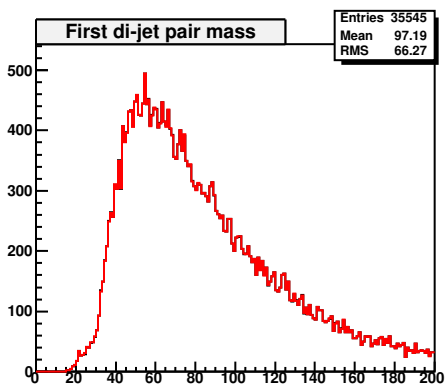


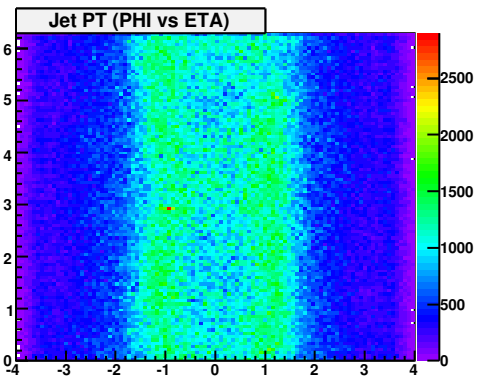




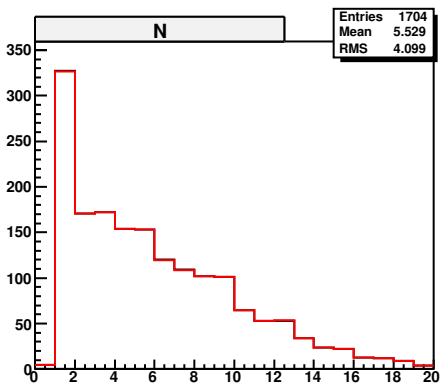


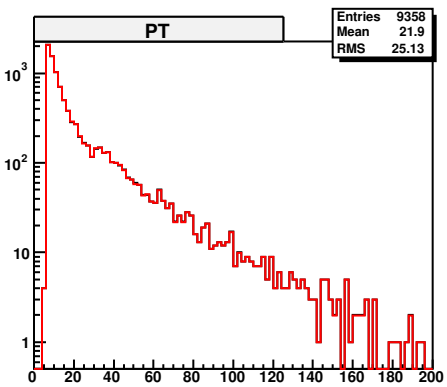


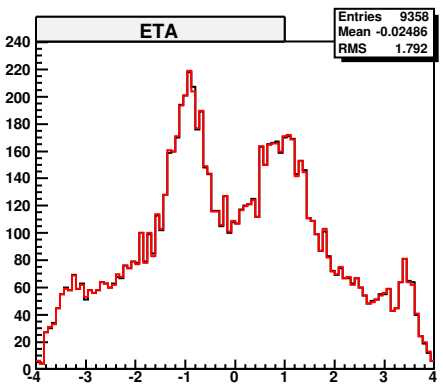


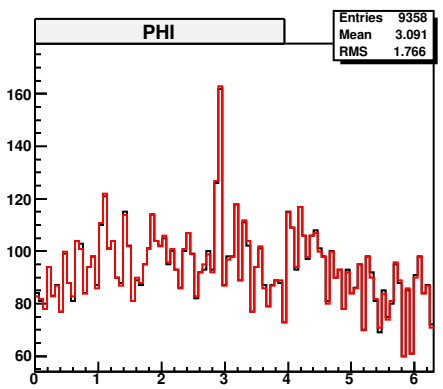


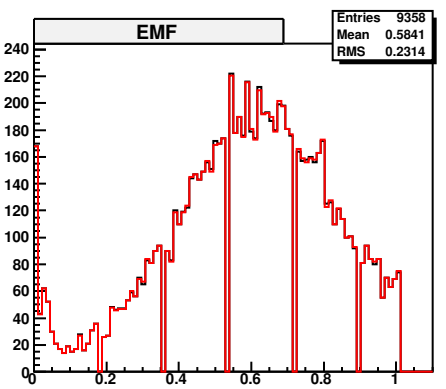
Jets (Cone R 0.7 (standard cuts))

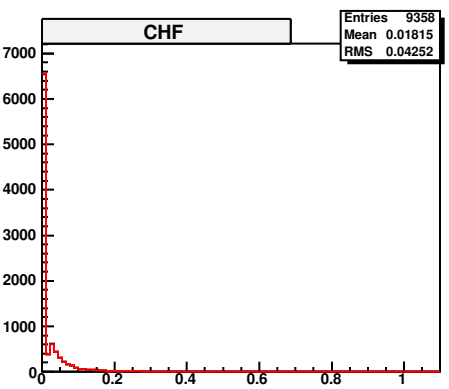


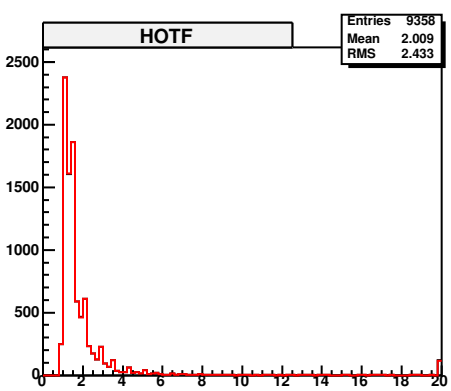


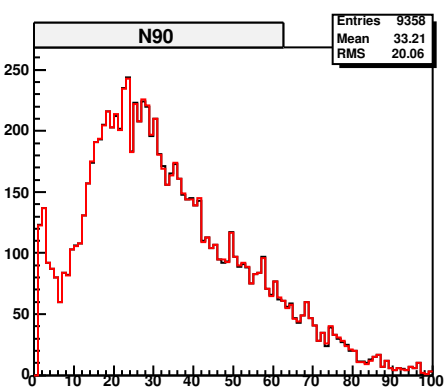


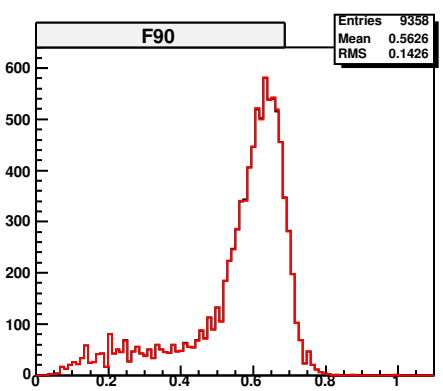


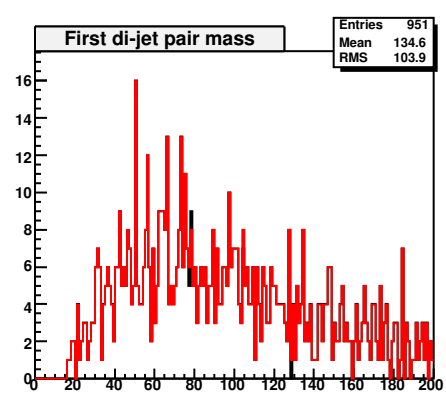


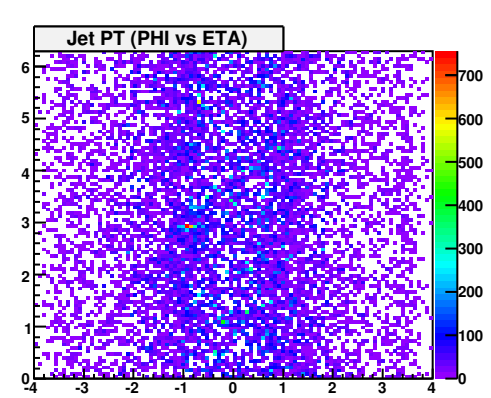




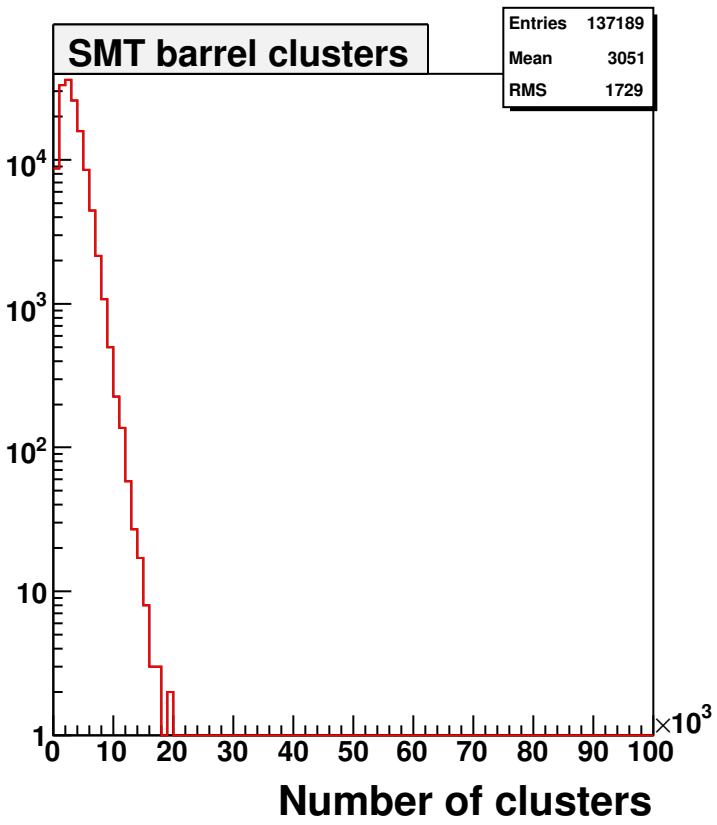


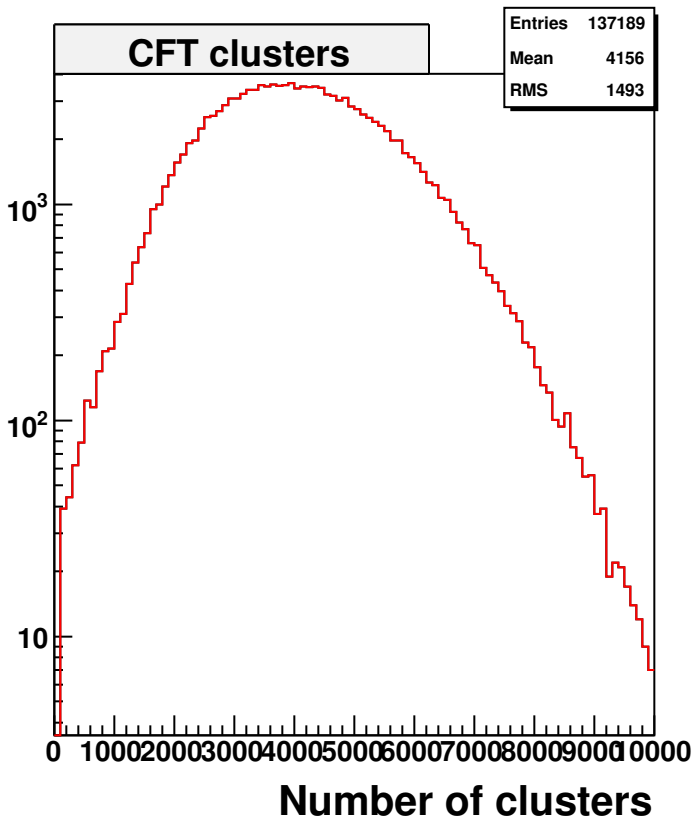


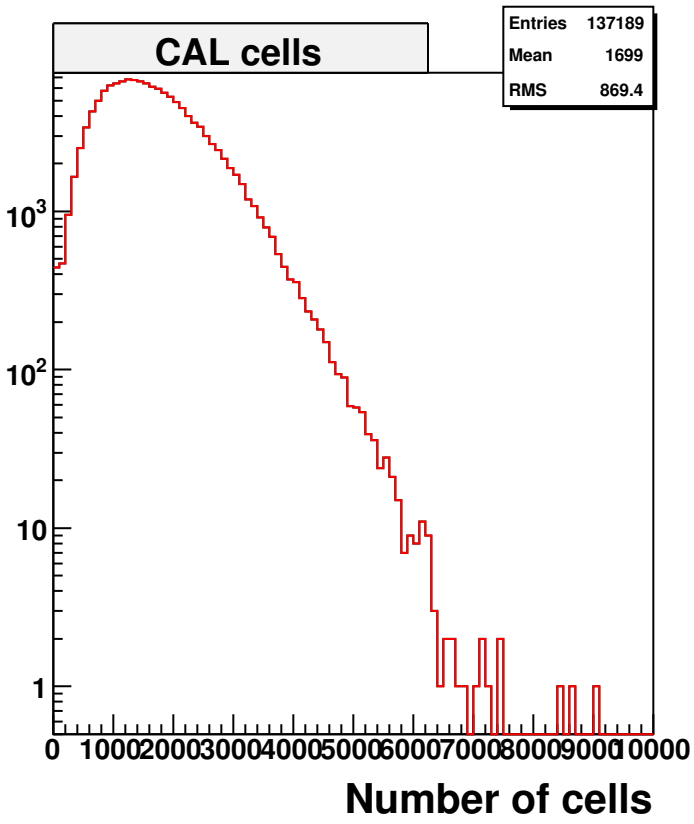


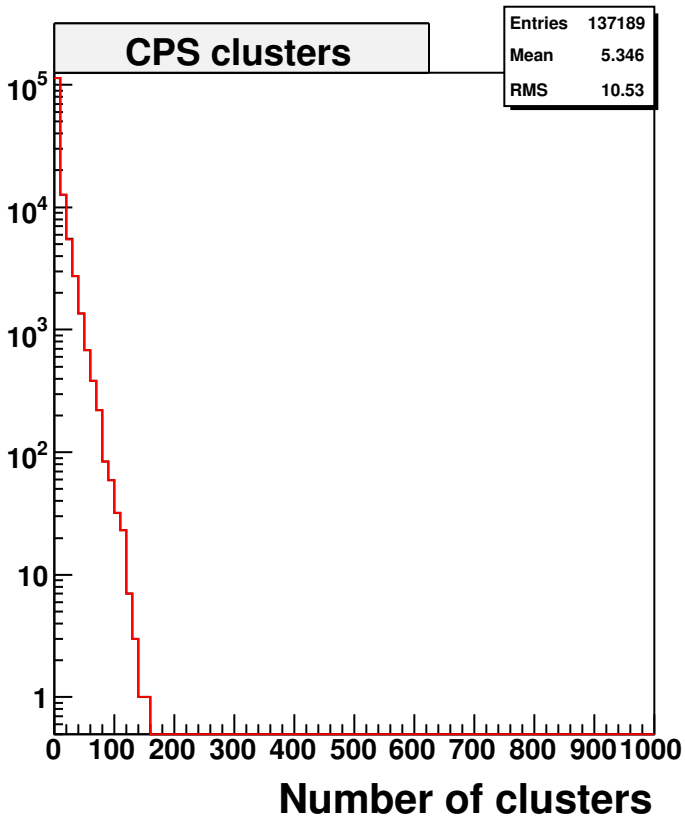


Jets (Cone R 0.7 (standard cuts, MET>30))

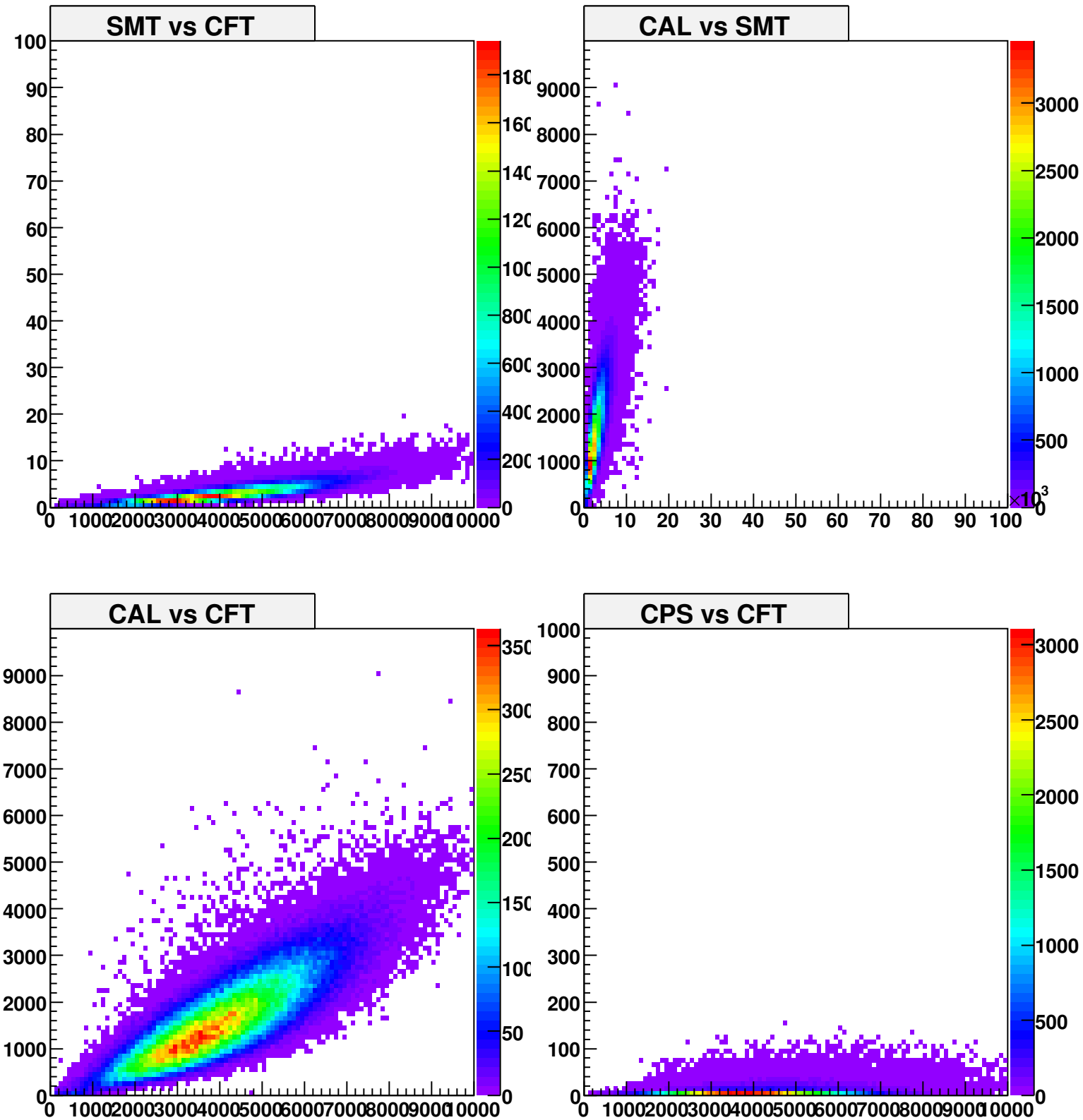




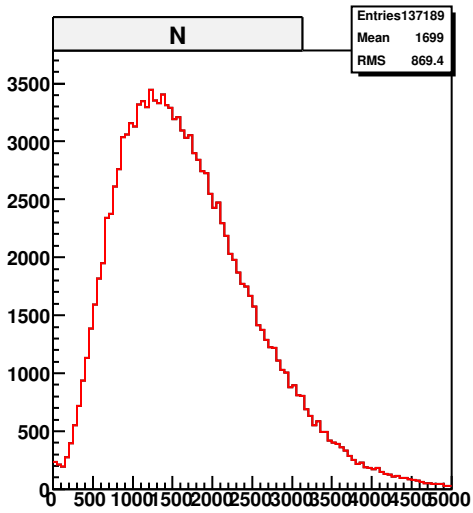


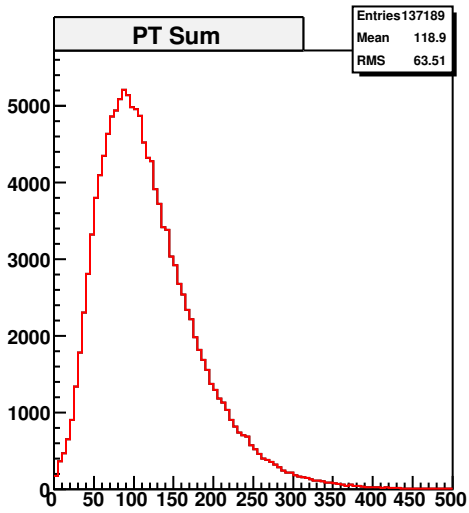


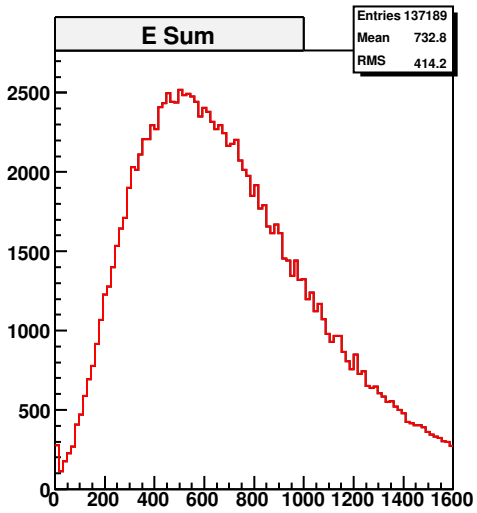
Detector Occupancy (Detector)

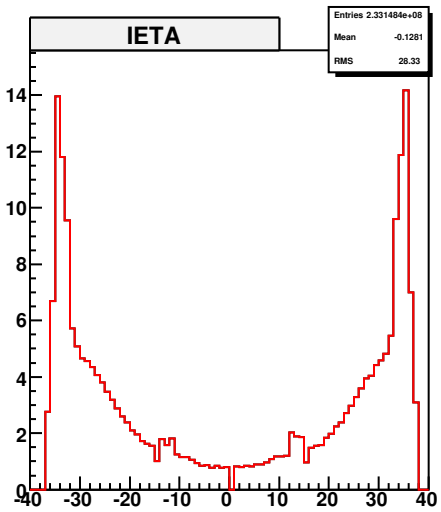


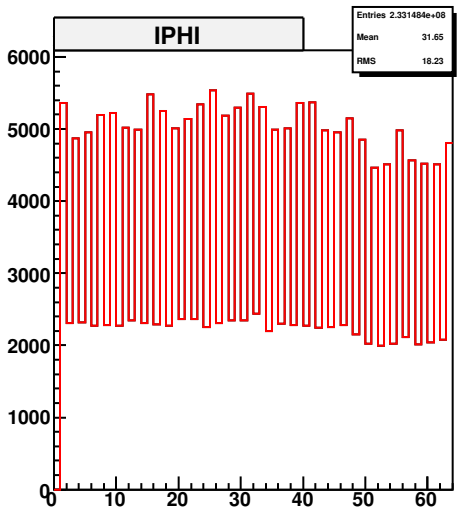
Detector Occupancy (Detector)

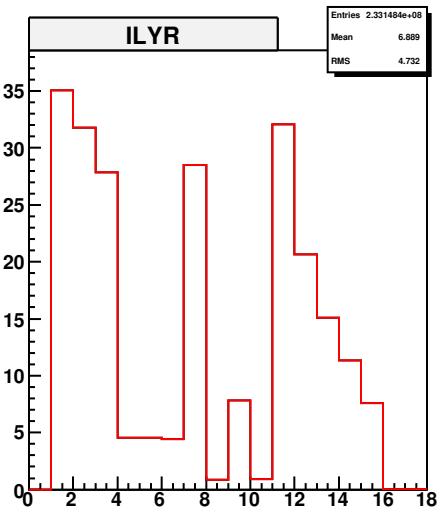


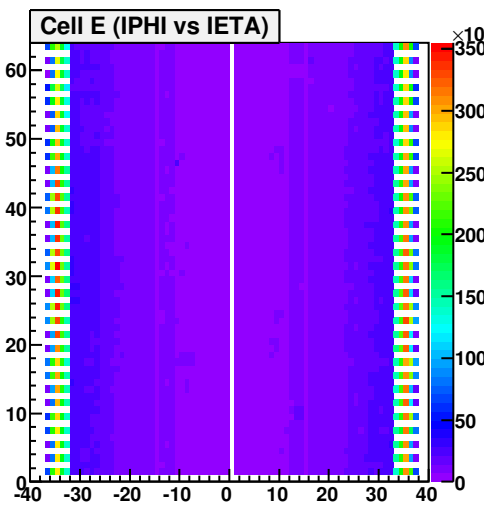


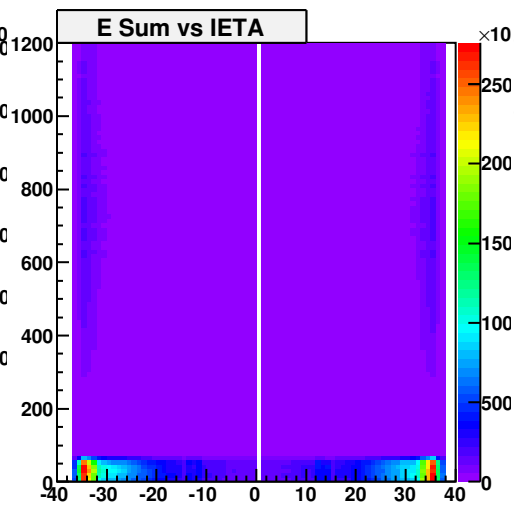


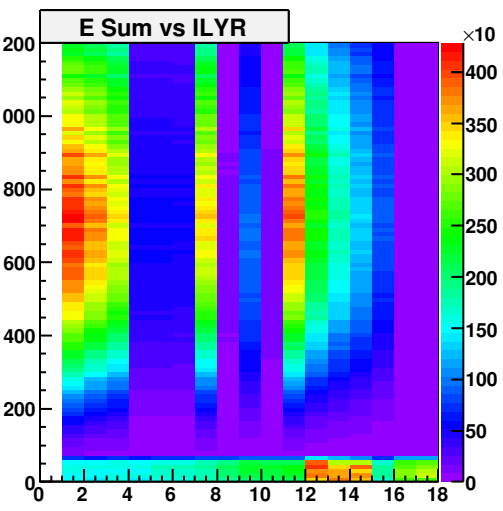




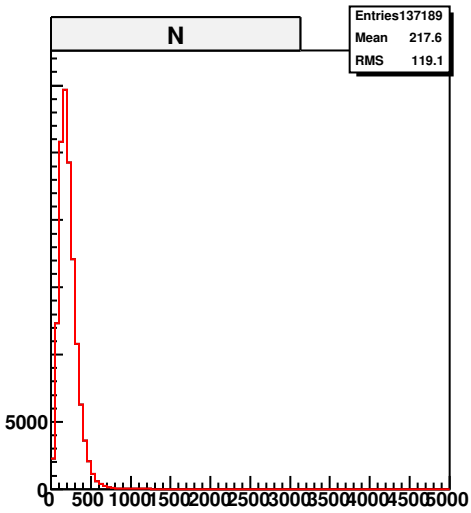


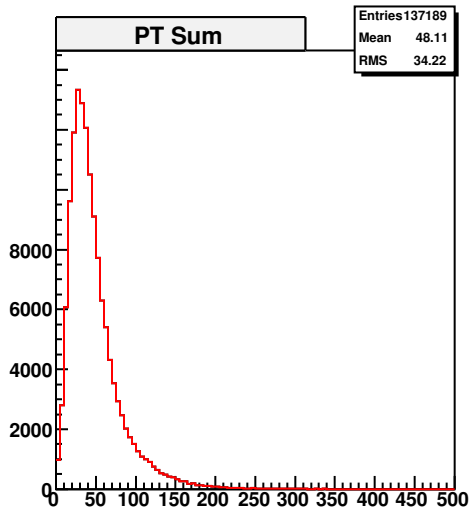


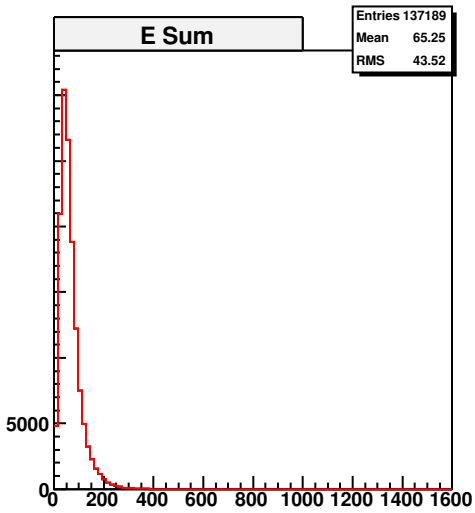


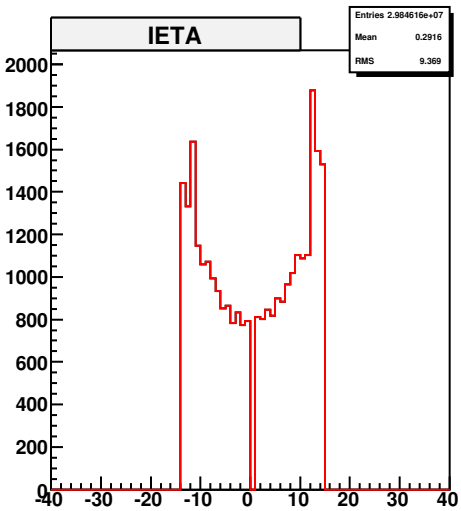


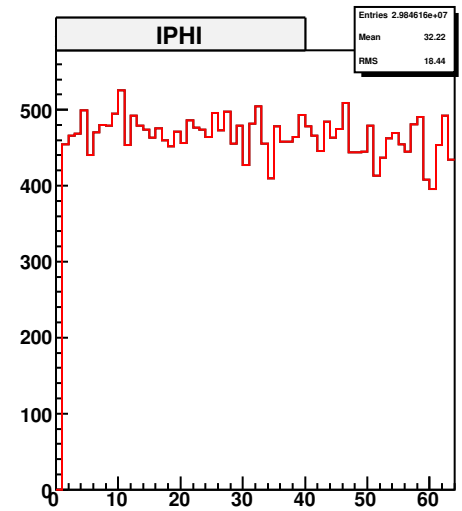
Calorimeter (All cells)

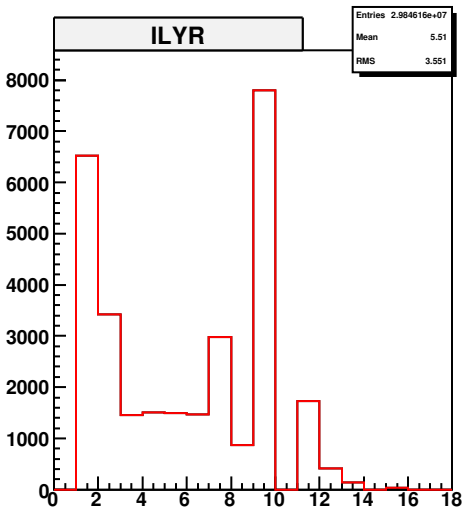


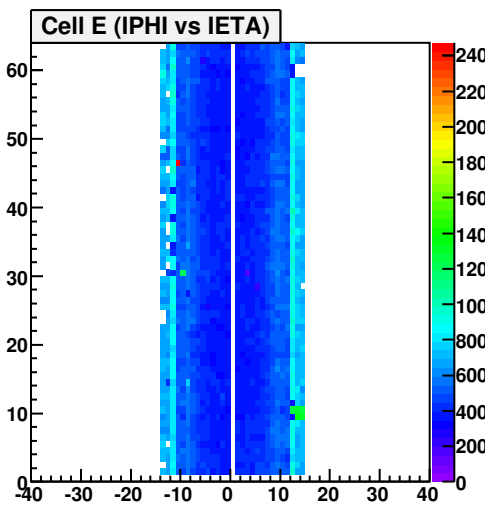


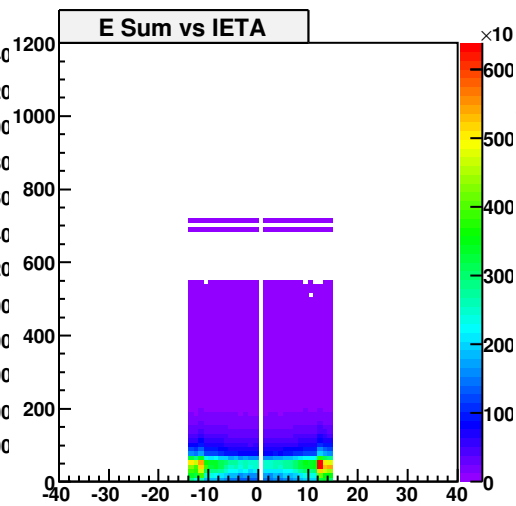


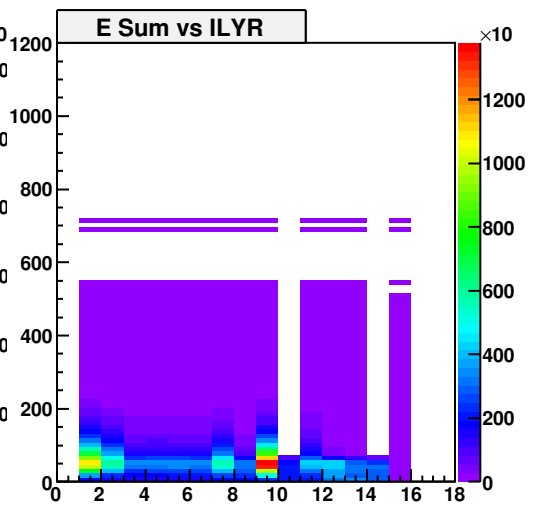




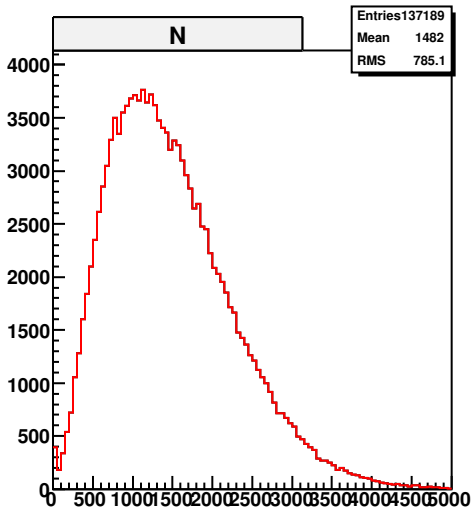


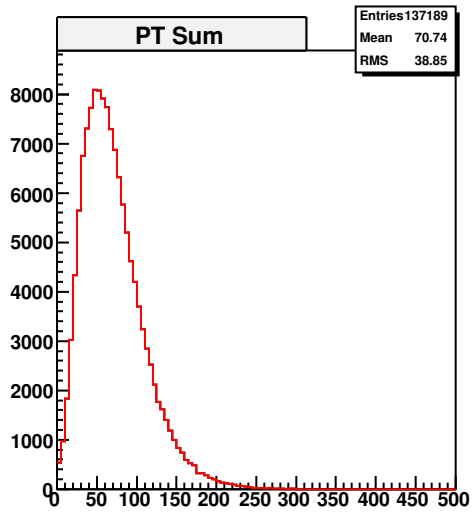


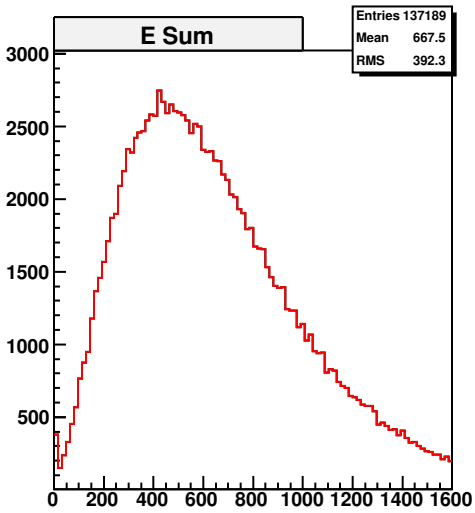


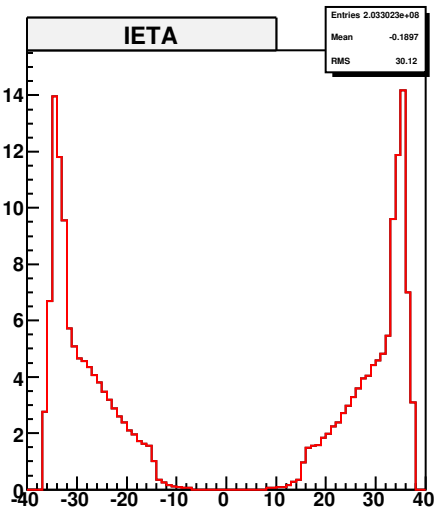


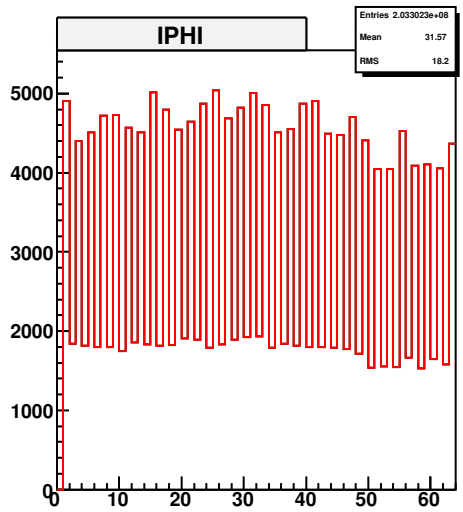
Calorimeter (All CC cells)

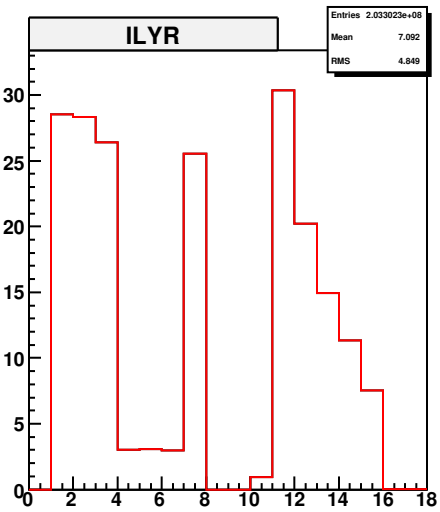


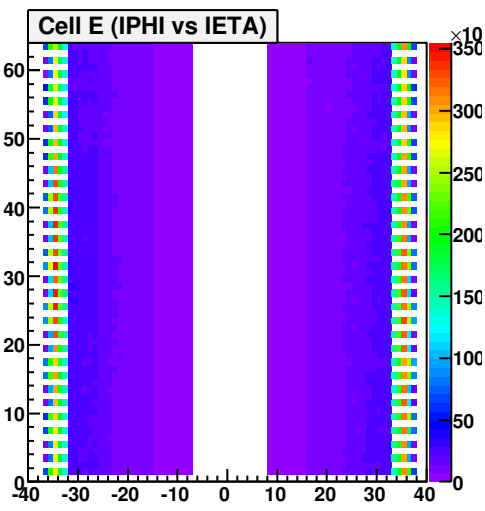


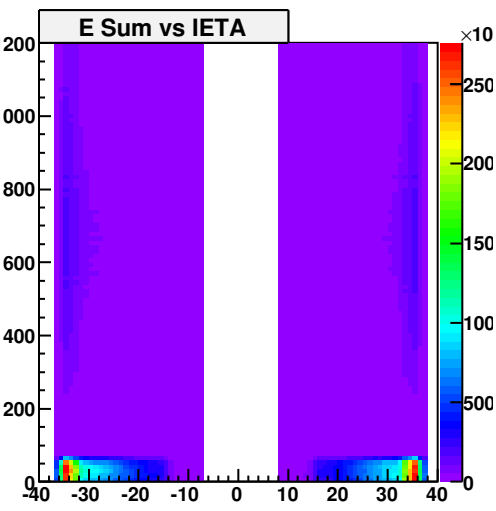


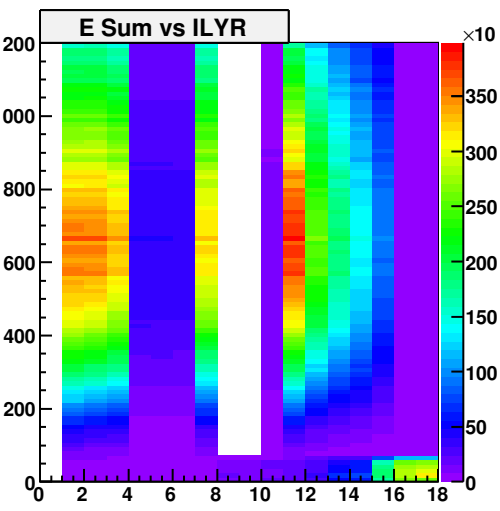




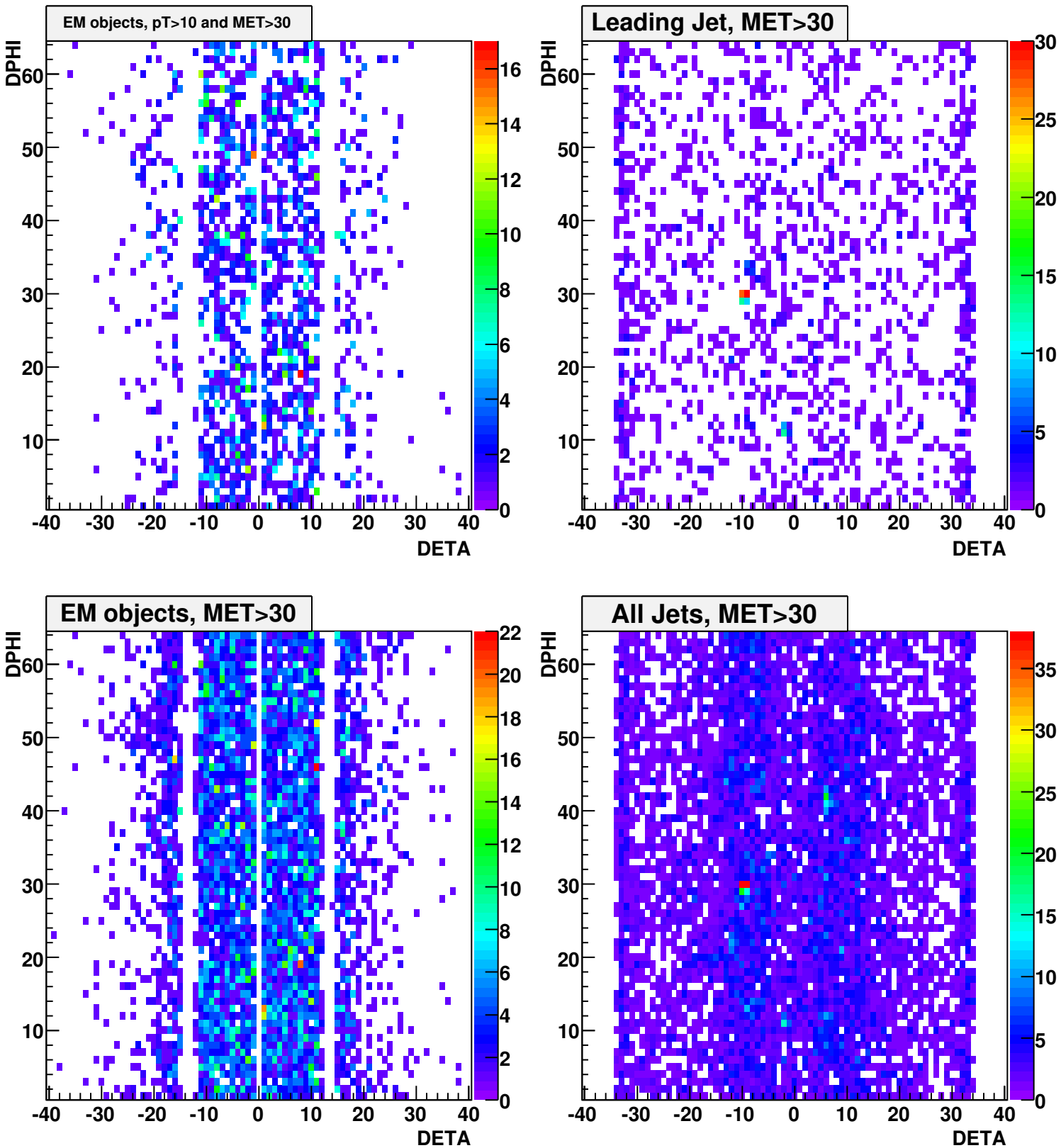




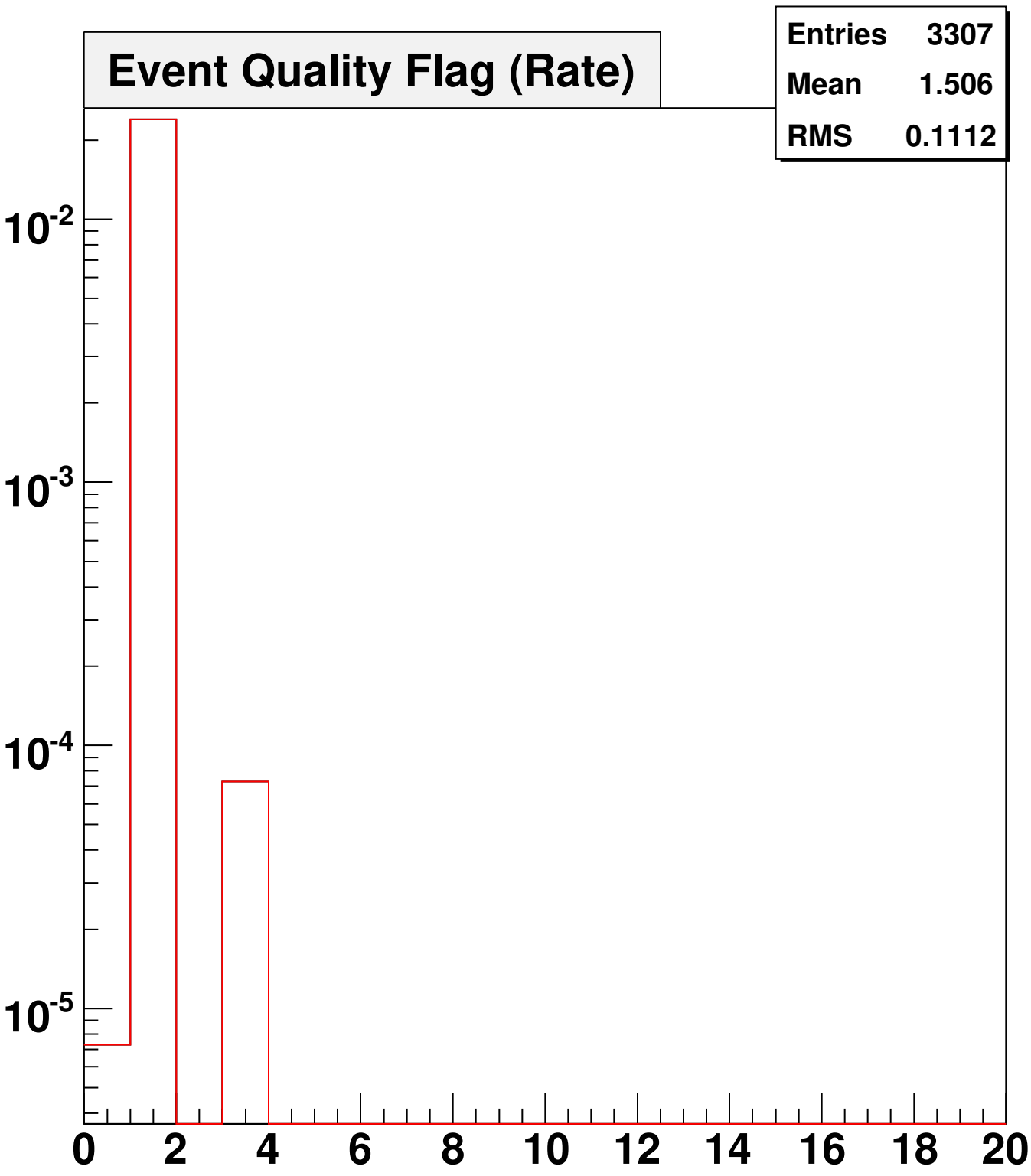


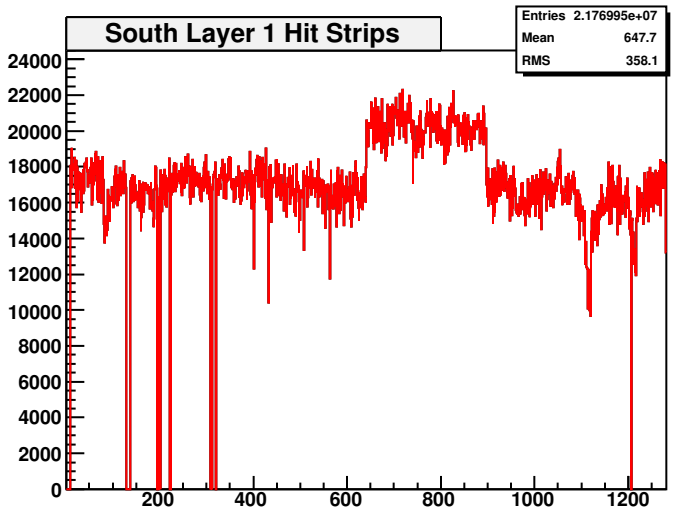


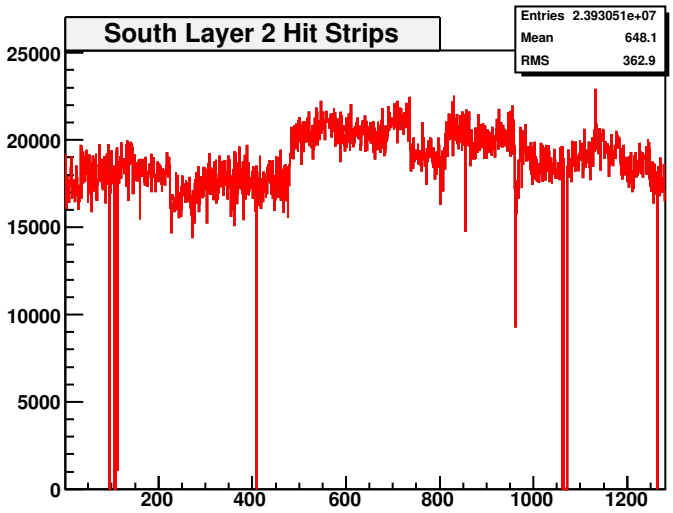
Calorimeter (All EC cells)

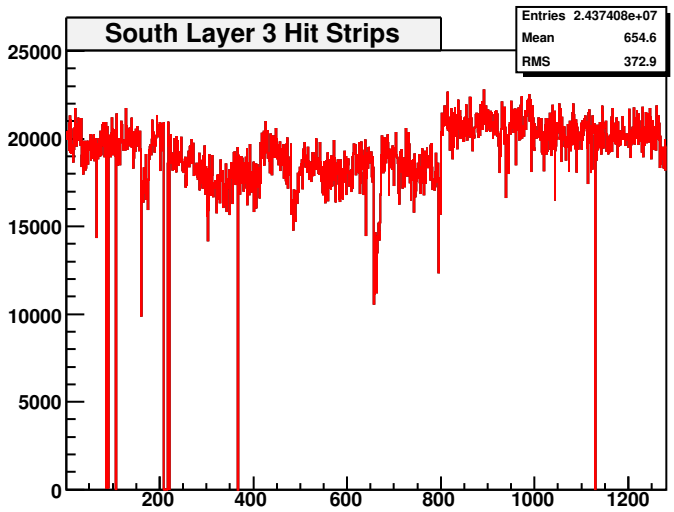


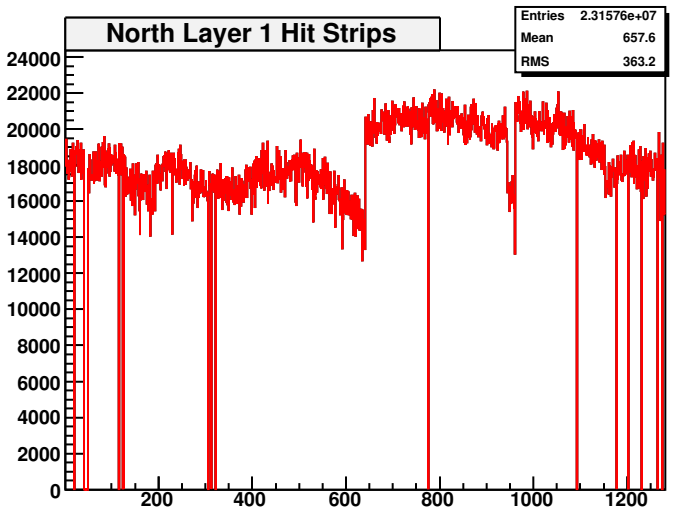
Cal Objects with MET>30 (All cells)

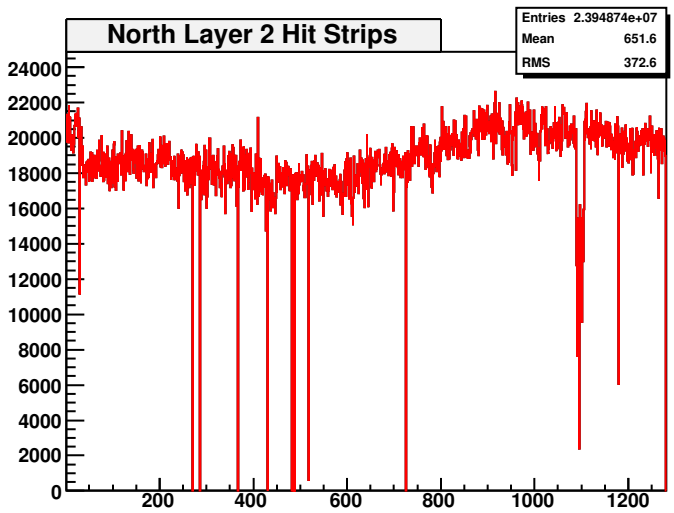

Event Quality Flag (Rate)
Entries 3307
Mean 1.506
RMS 0.1112
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

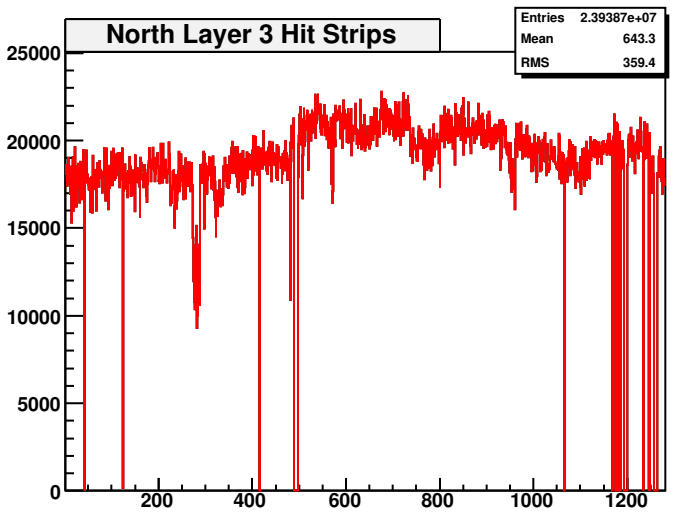




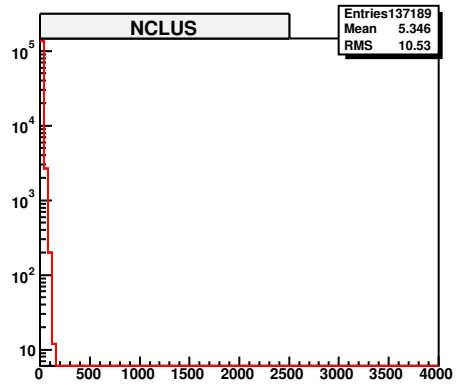


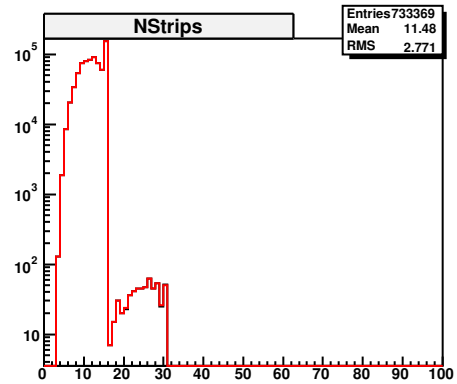


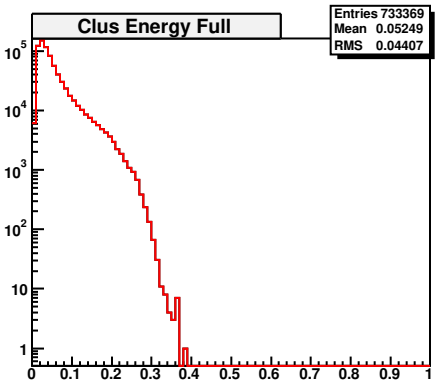


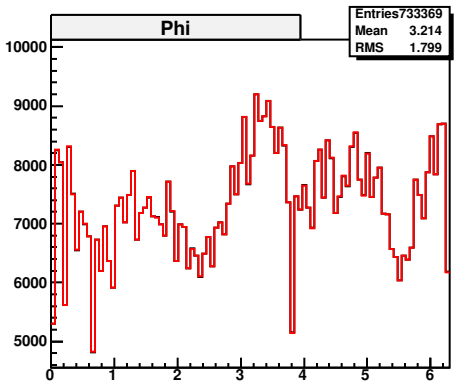


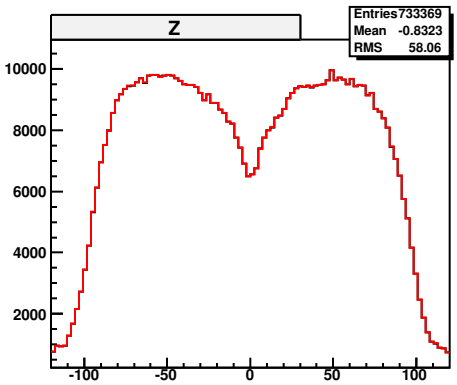
CPS Hit Strips (All Clusters)

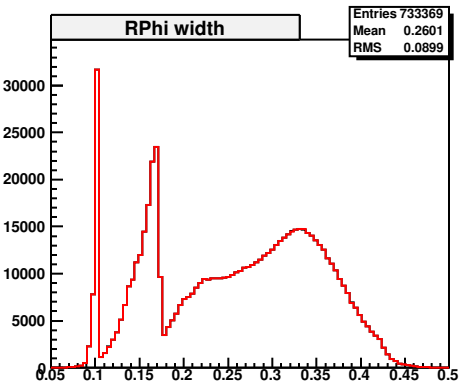


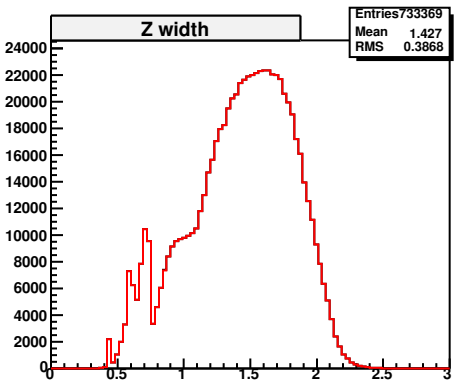


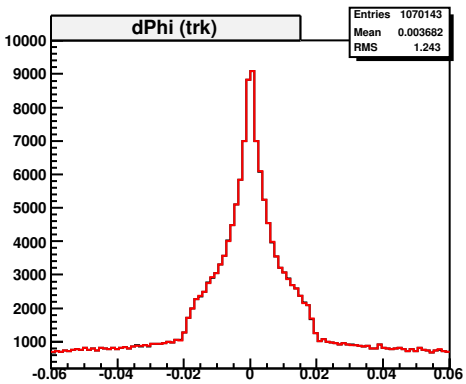


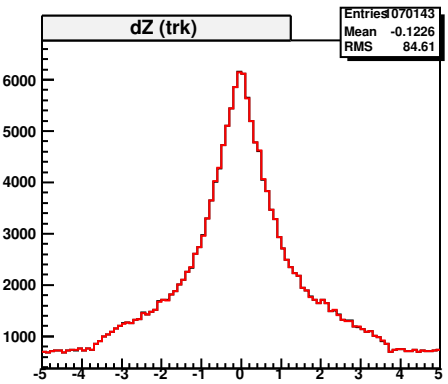


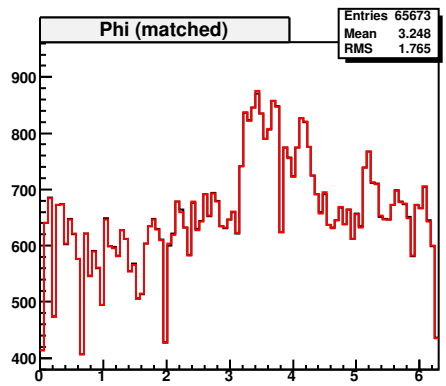


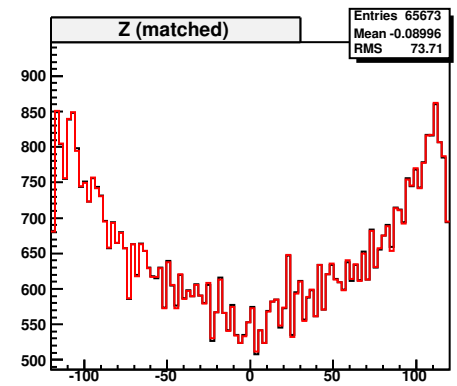




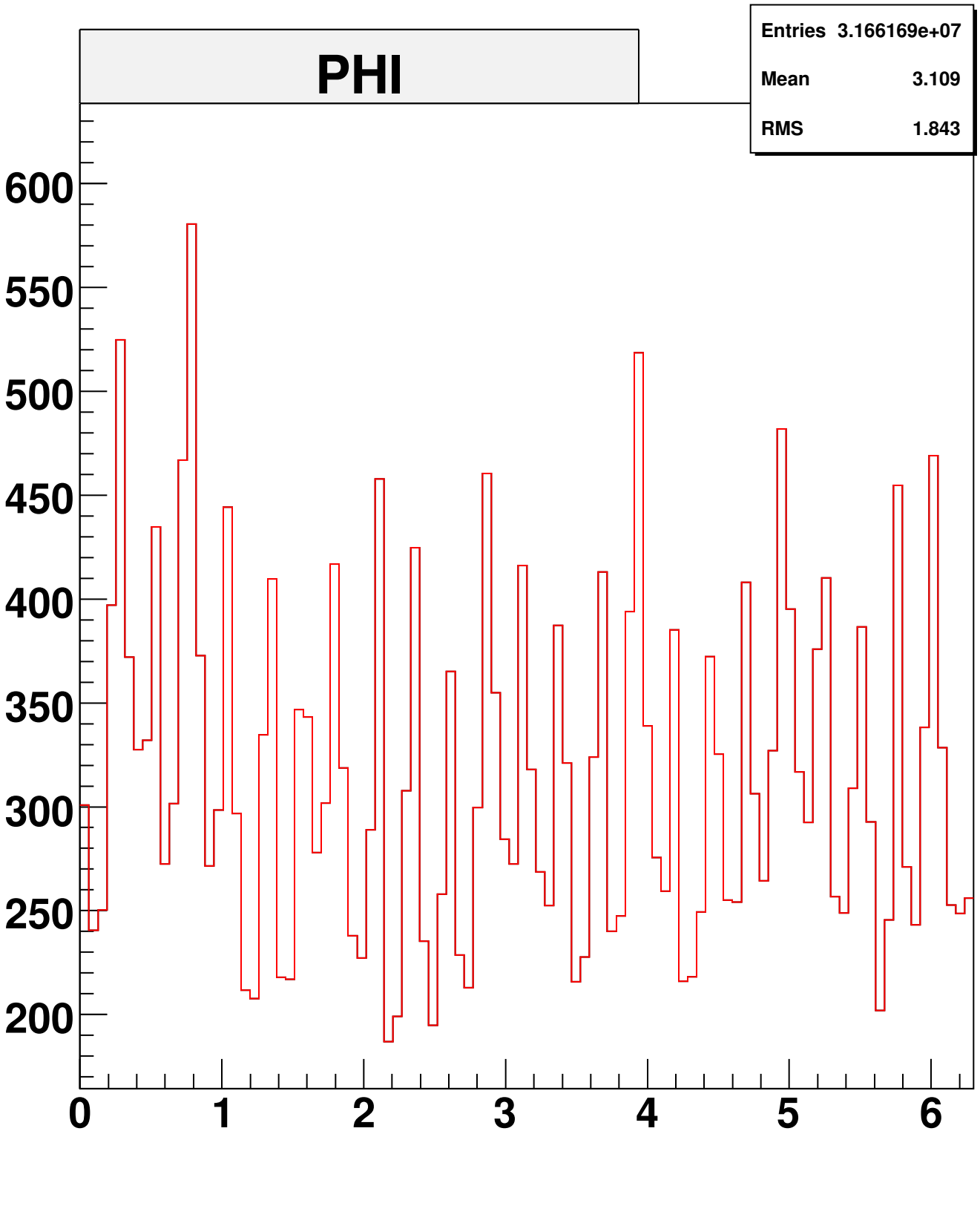


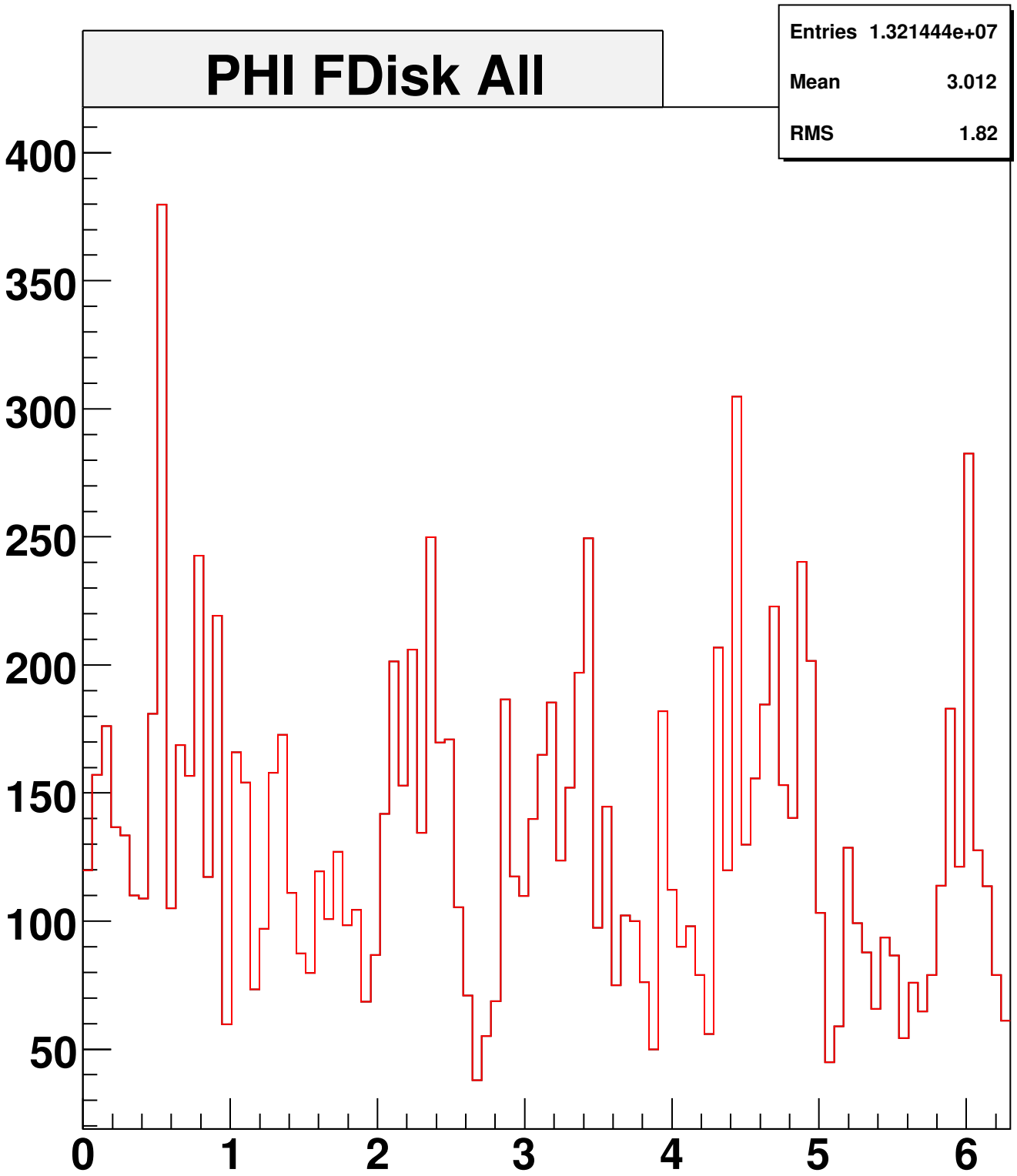


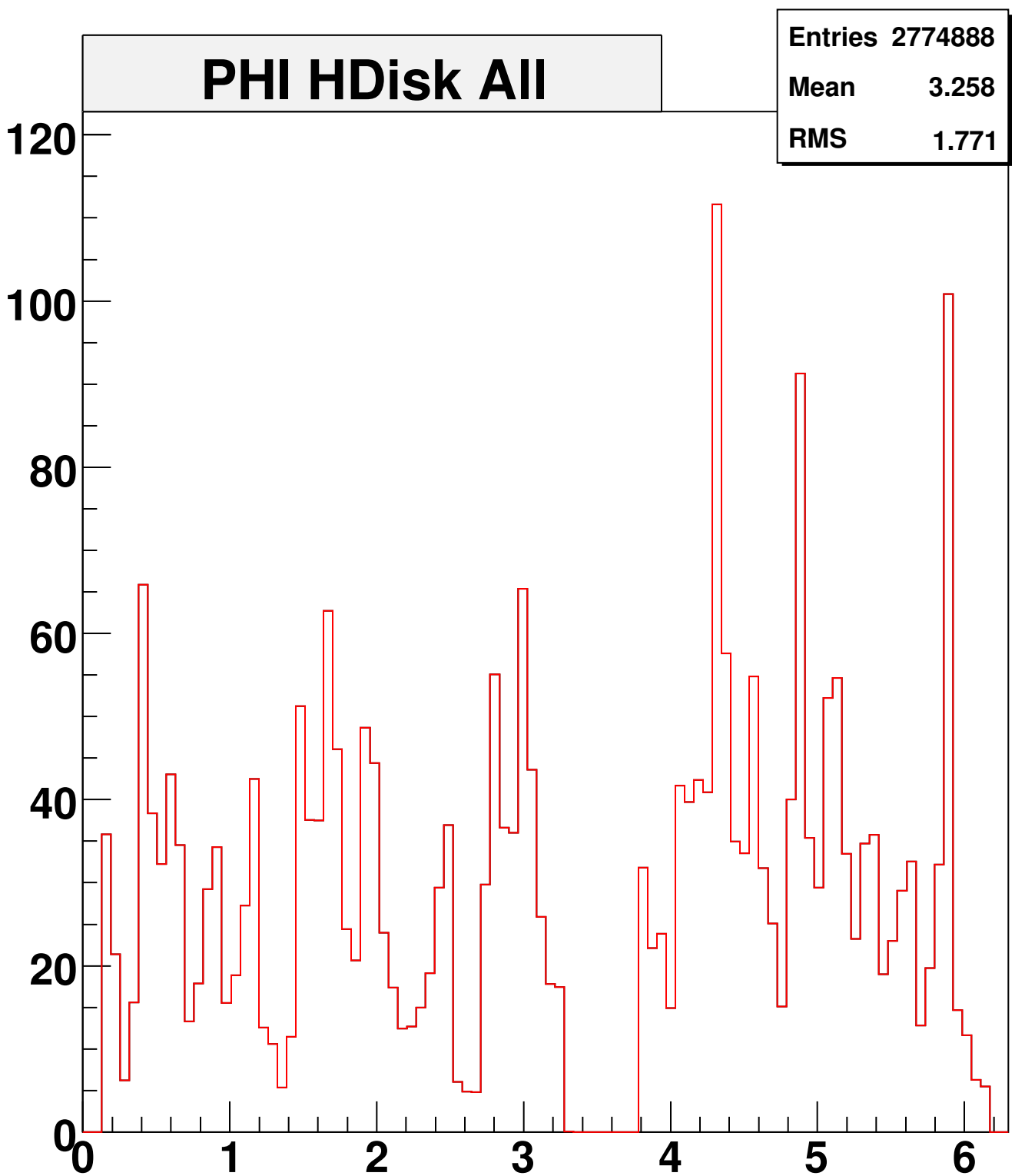




CPS Clusters (All Clusters)


PHI
Entries 3.166169e+07
Mean 3.109
RMS 1.843
600
550
500
450
400
350
300
250
200
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 1.321444e+07
Mean 3.012
RMS 1.82
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 2774888
Mean 3.258
RMS 1.771
120
100
80
60
40
20
0
0
1
2
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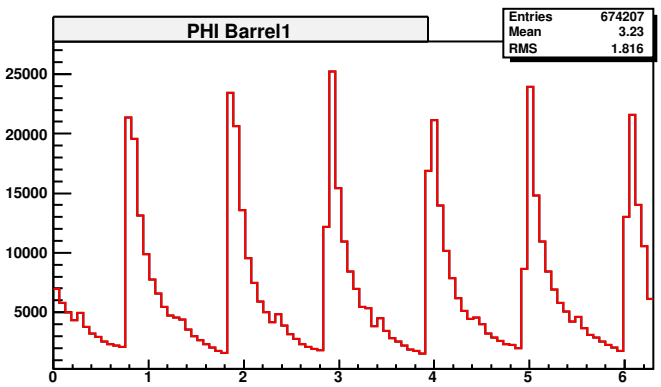
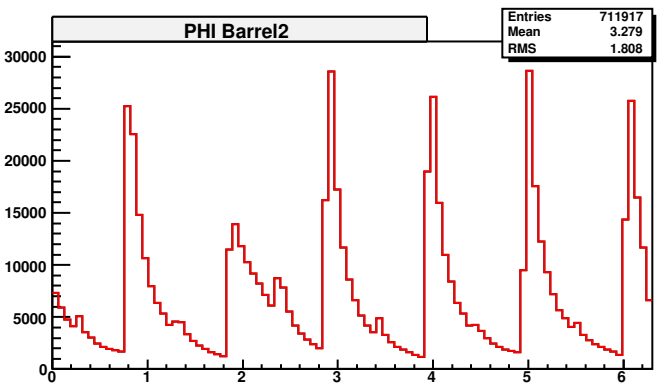
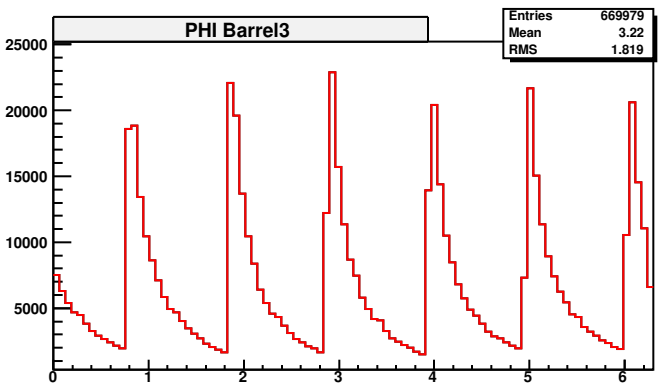
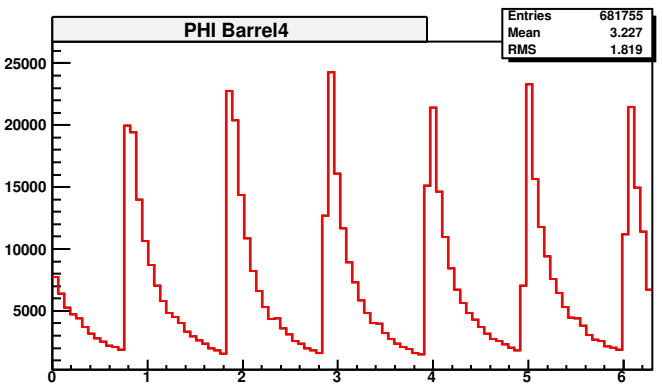
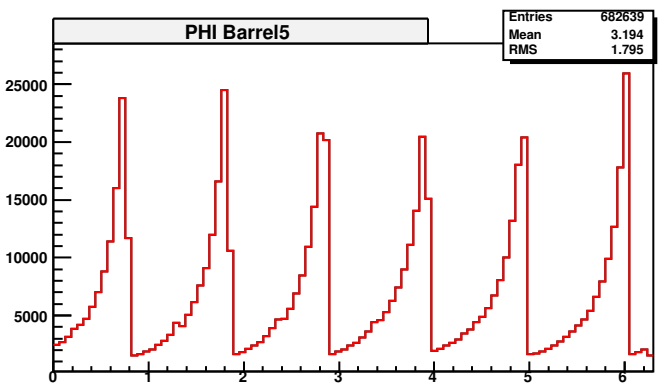
5
6
SmtClusters (allHDiskClusters)

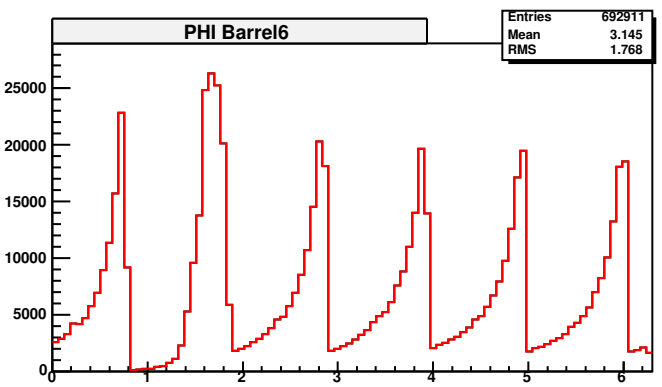


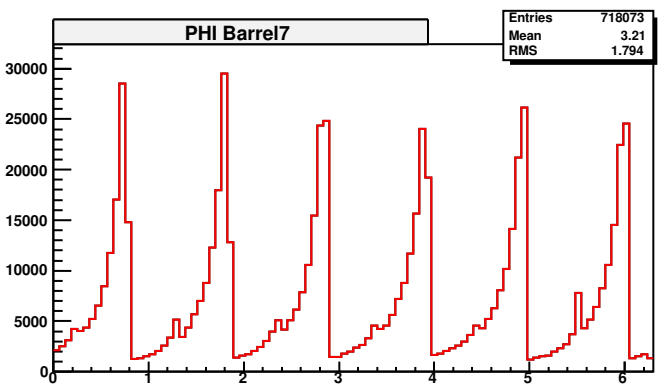


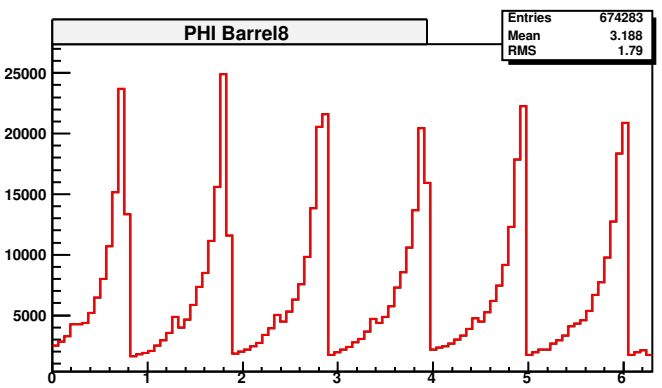




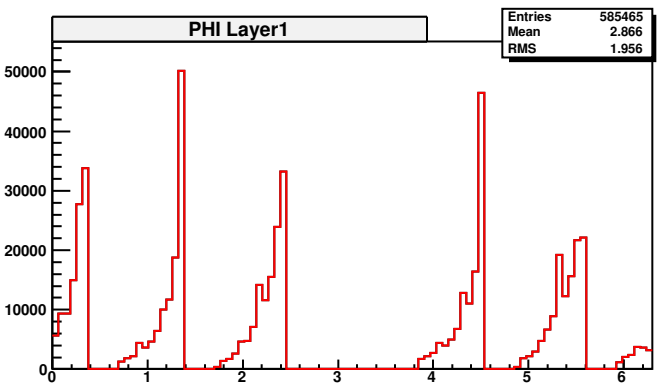


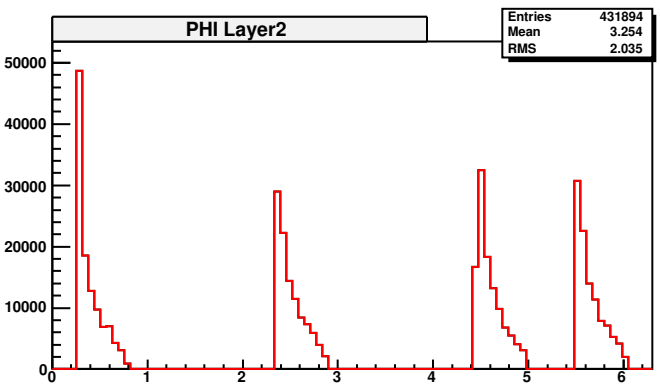


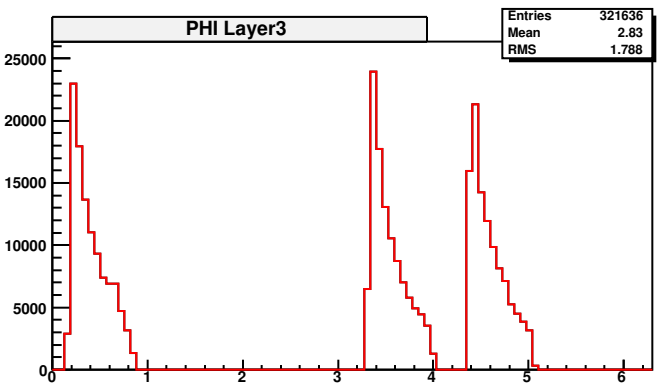


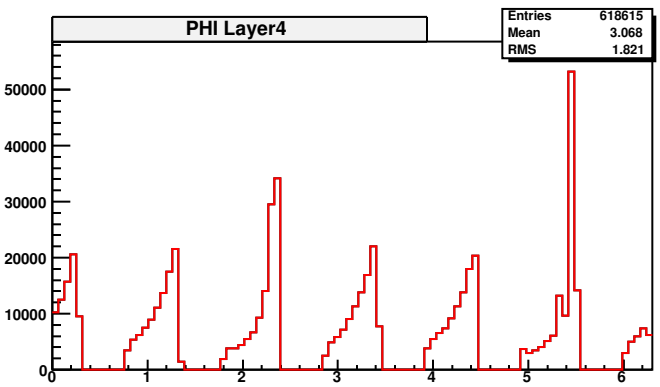


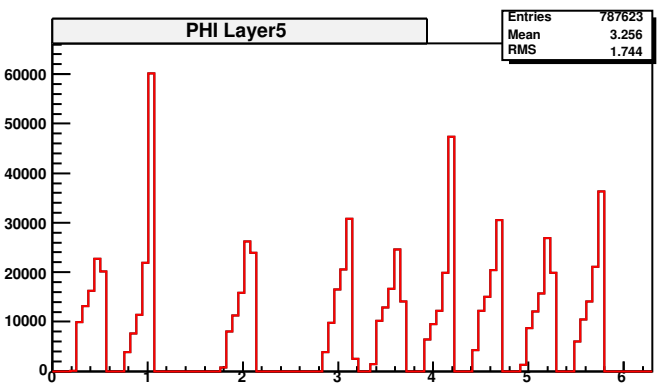
SmtClusters (ClustrLayer0)

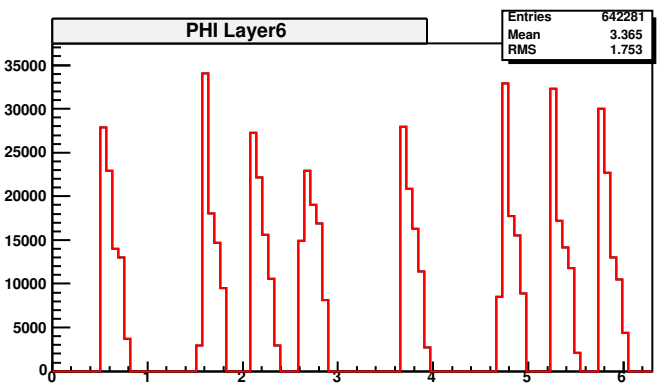


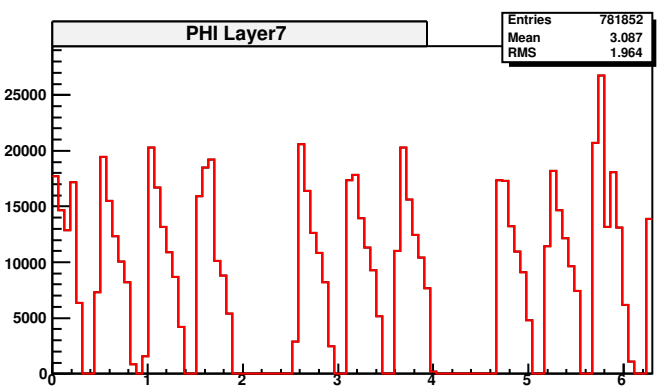


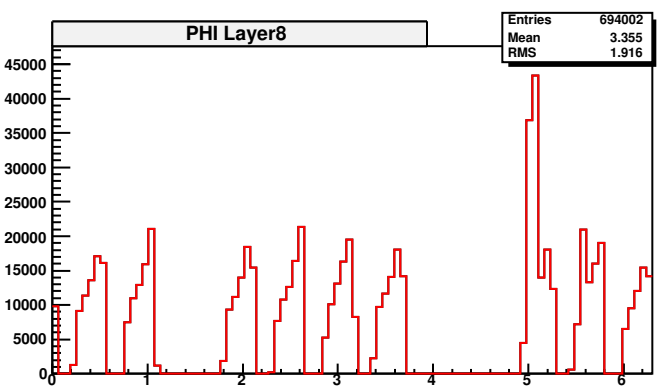




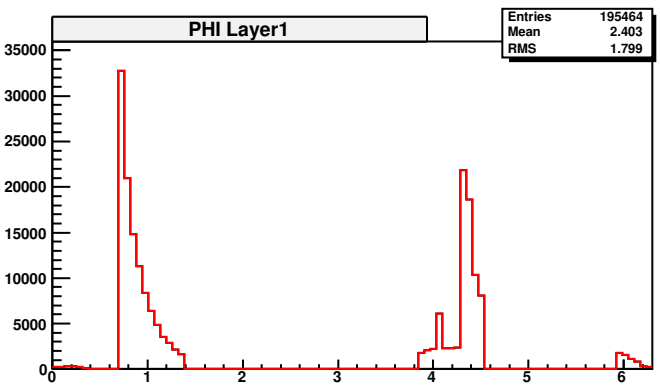


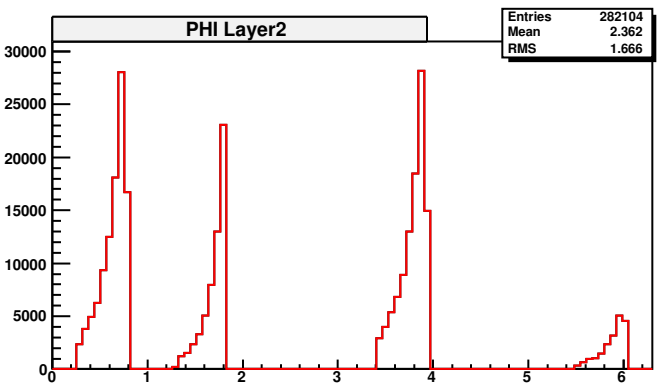


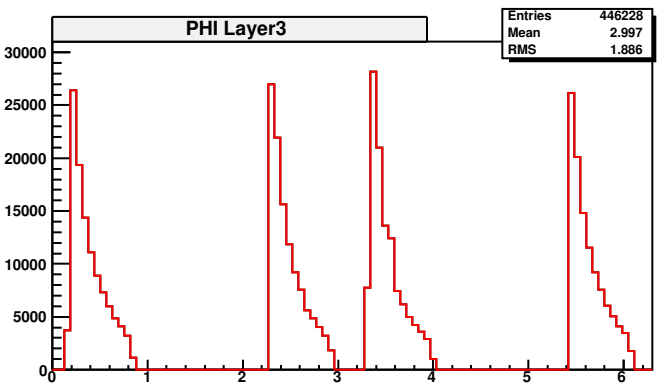


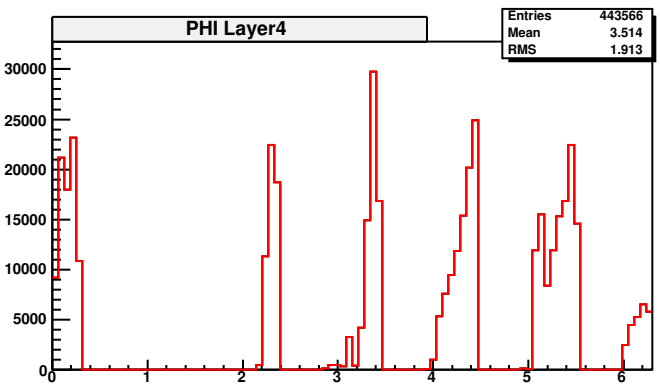


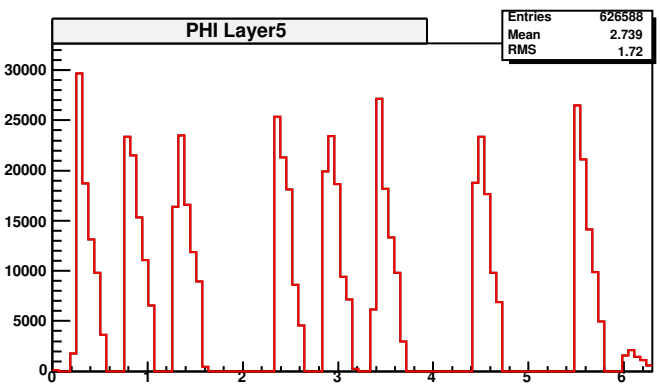
SmtClusters (ClustrBar1)

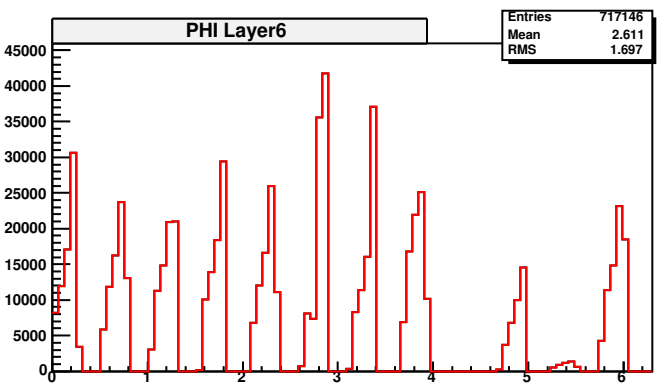


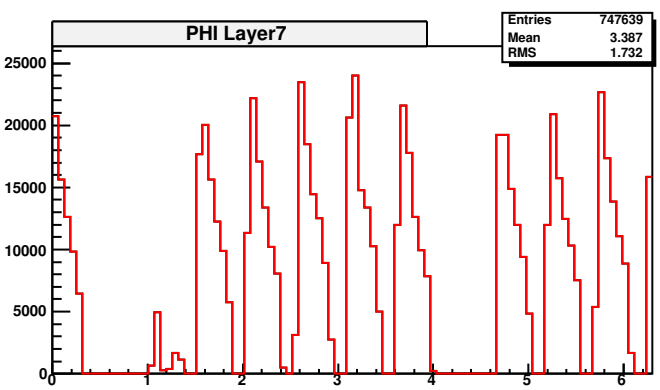


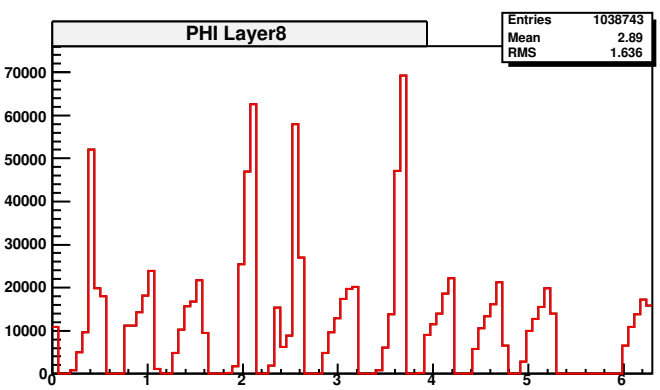




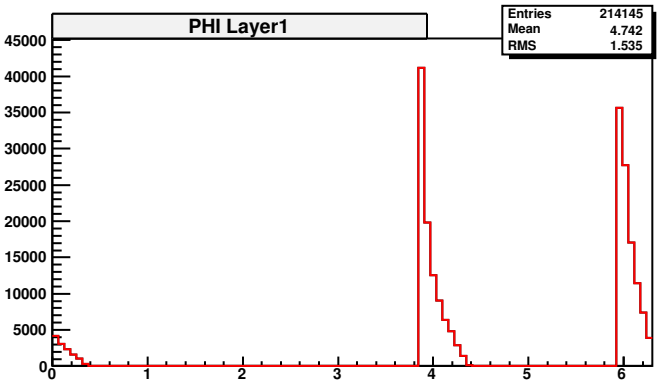


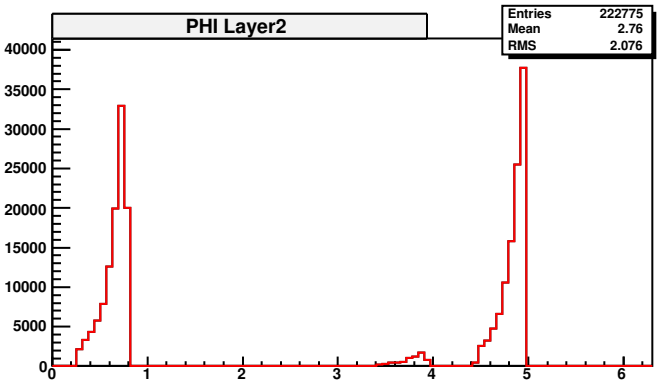


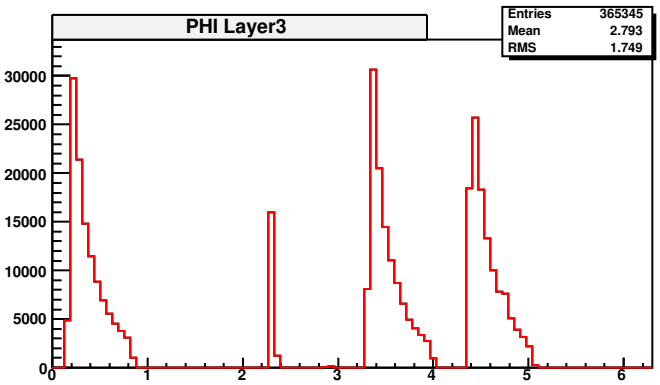


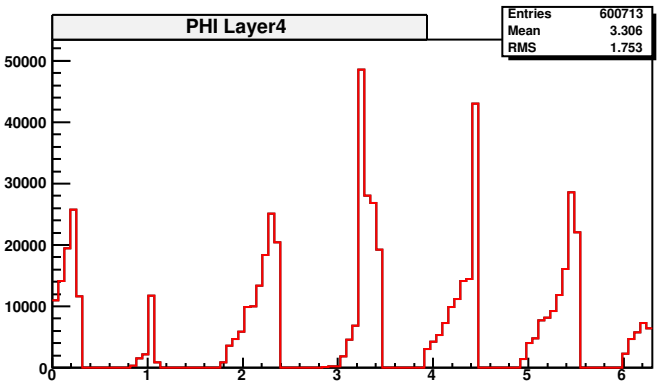


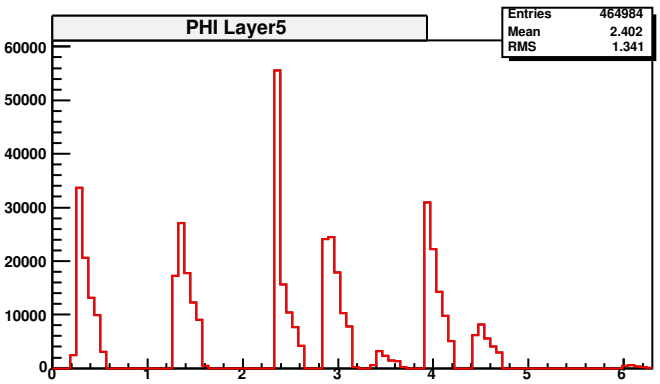
SmtClusters (ClustrBar2)

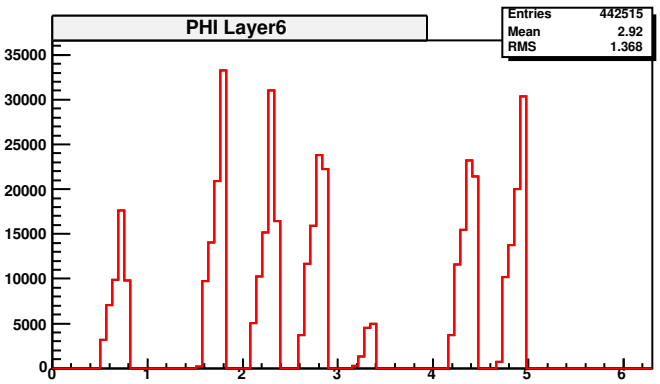


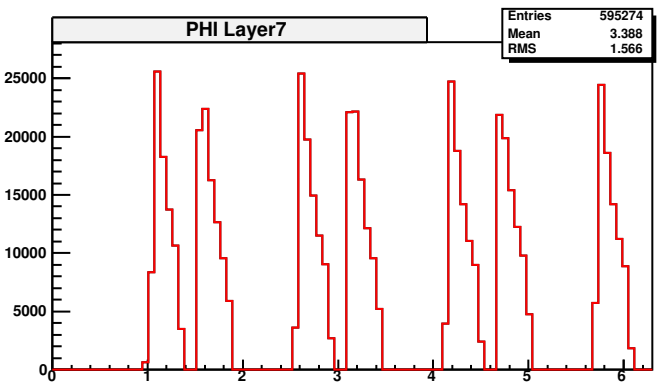


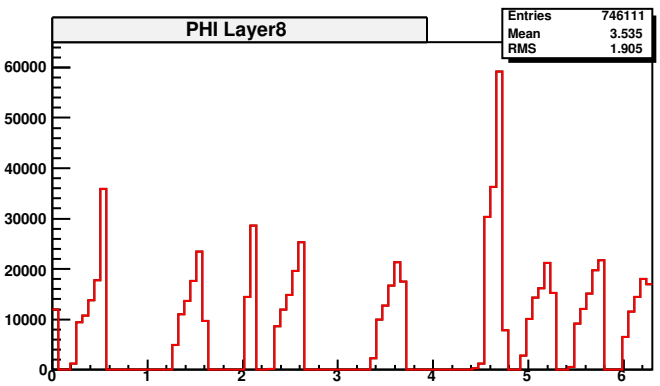




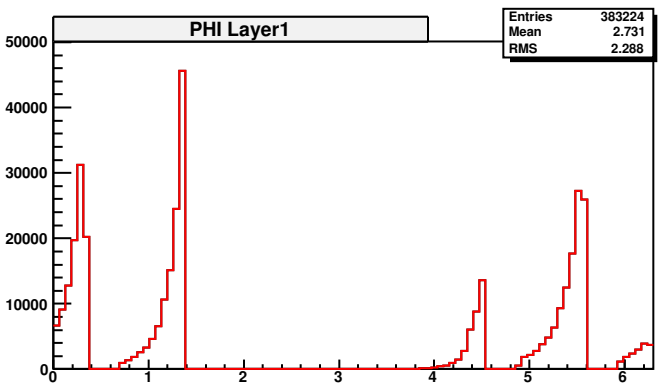


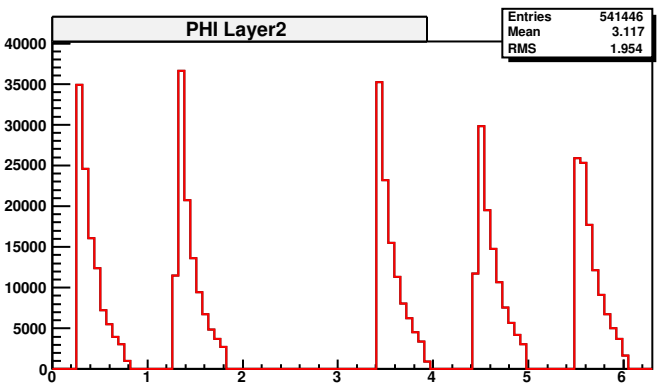


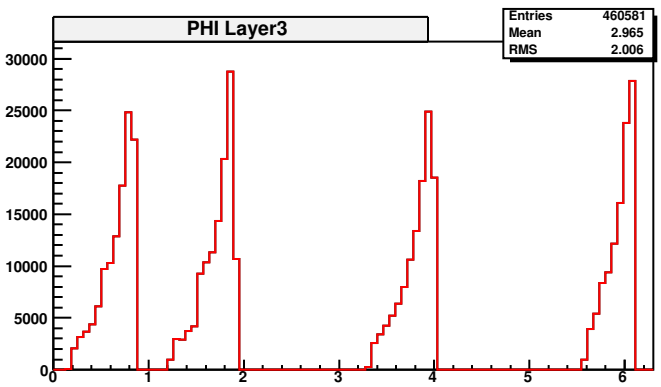


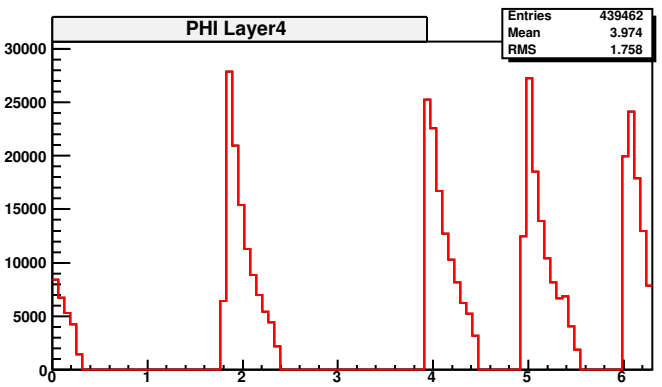


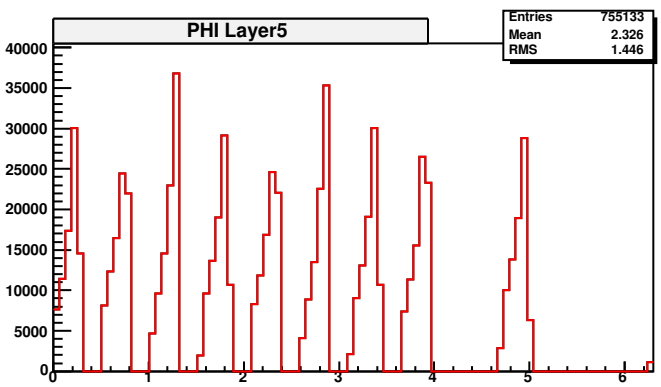
SmtClusters (ClustrBar3)

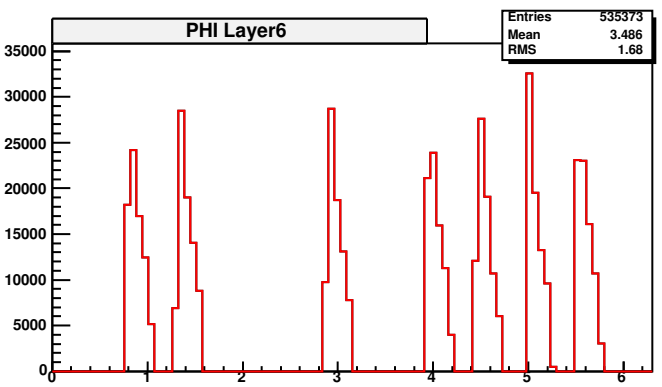


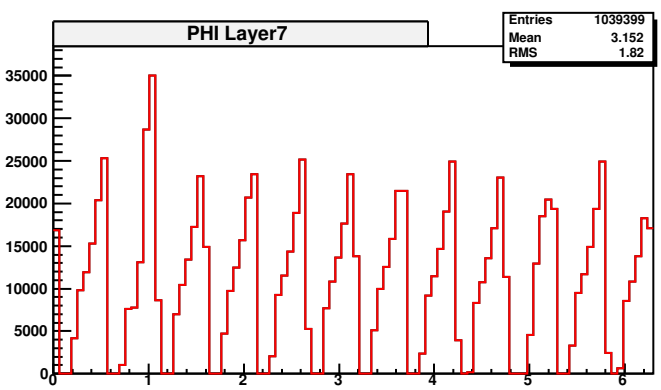


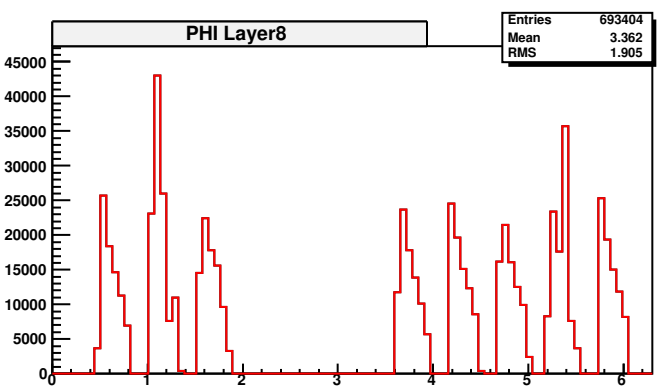




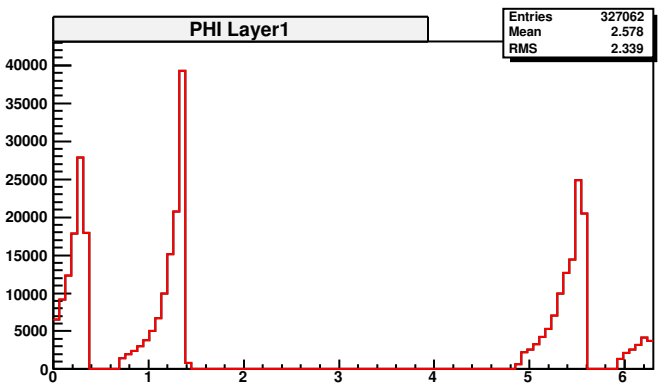


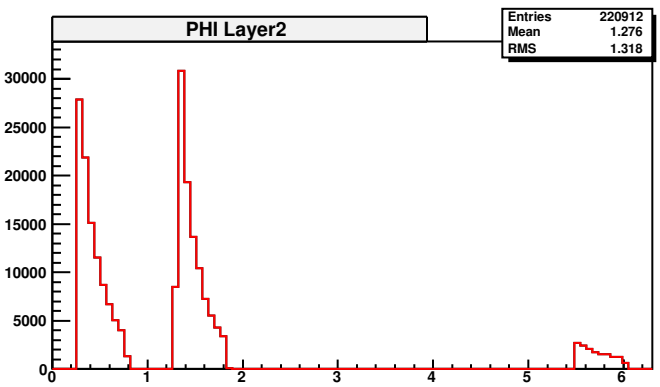


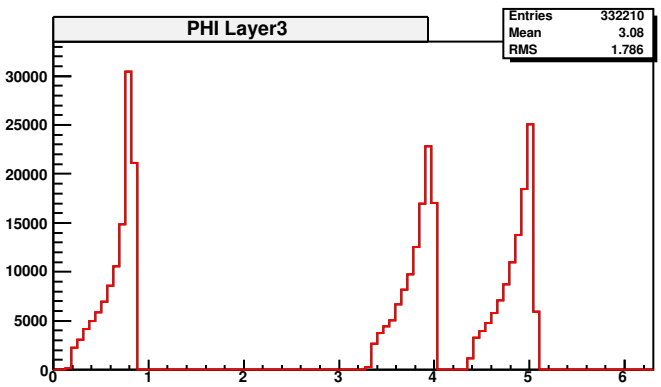


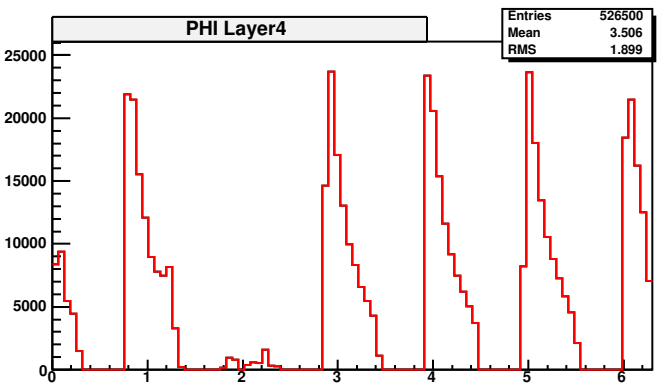


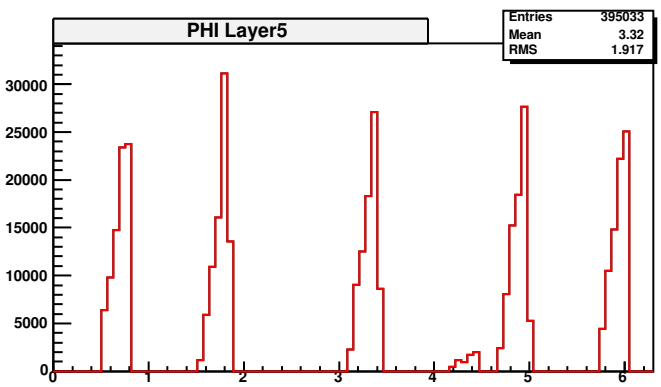
SmtClusters (ClustrBar4)

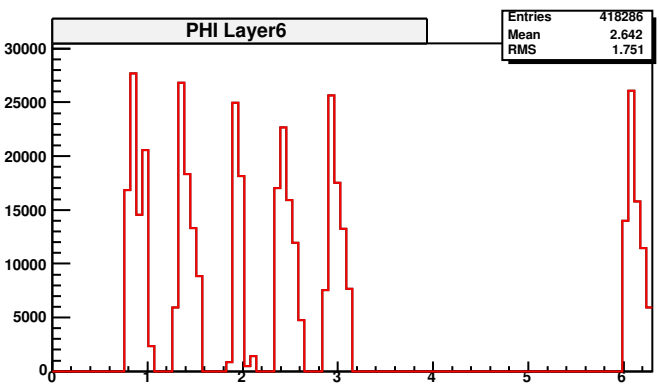


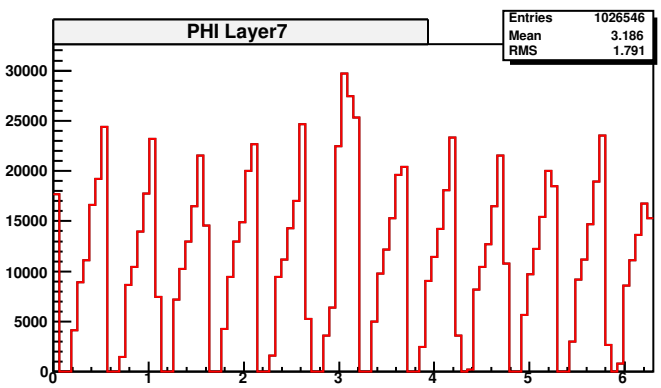


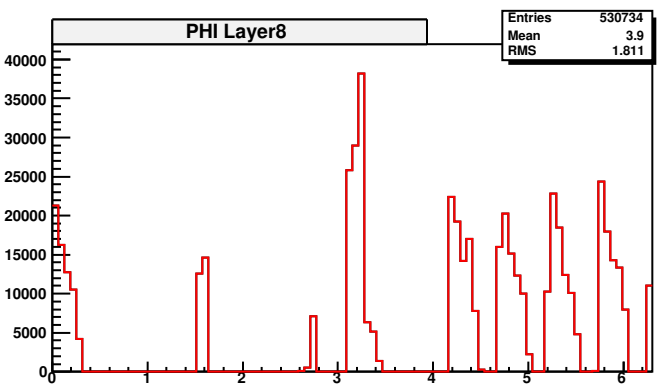




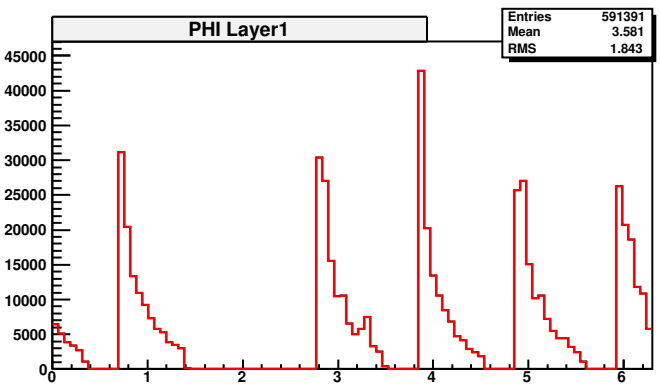


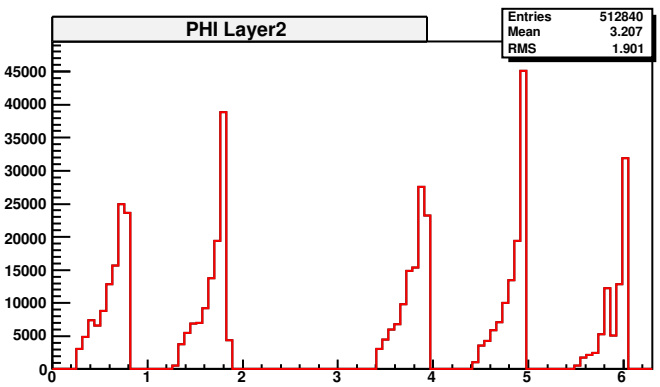


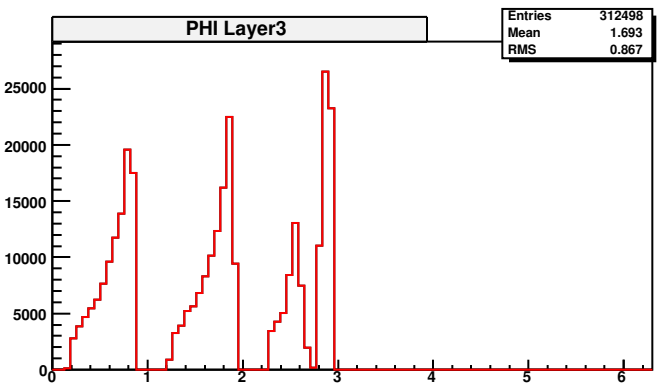


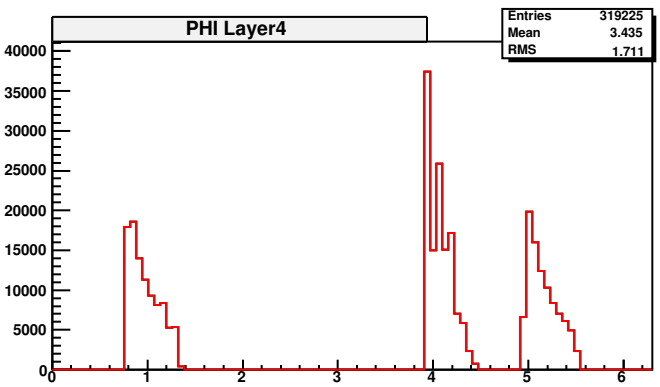


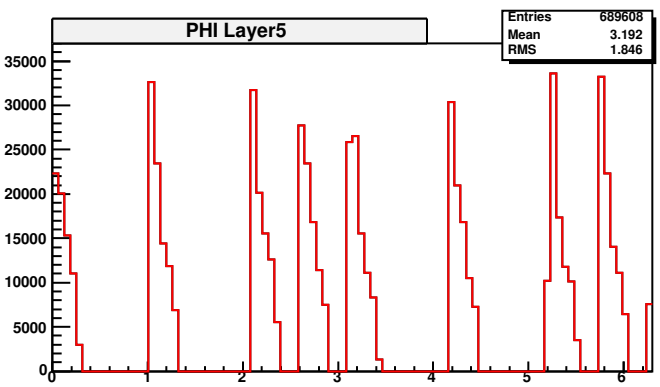
SmtClusters (ClustrBar5)

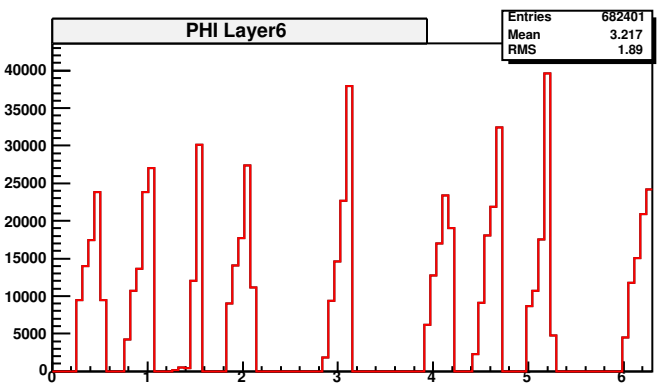


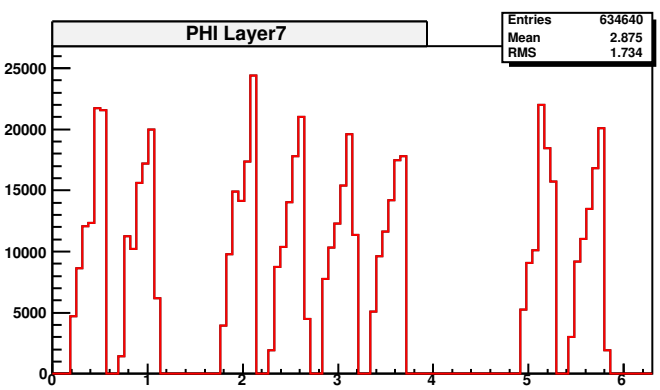


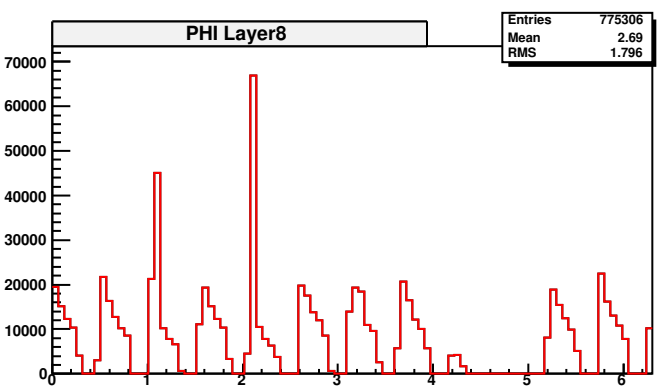




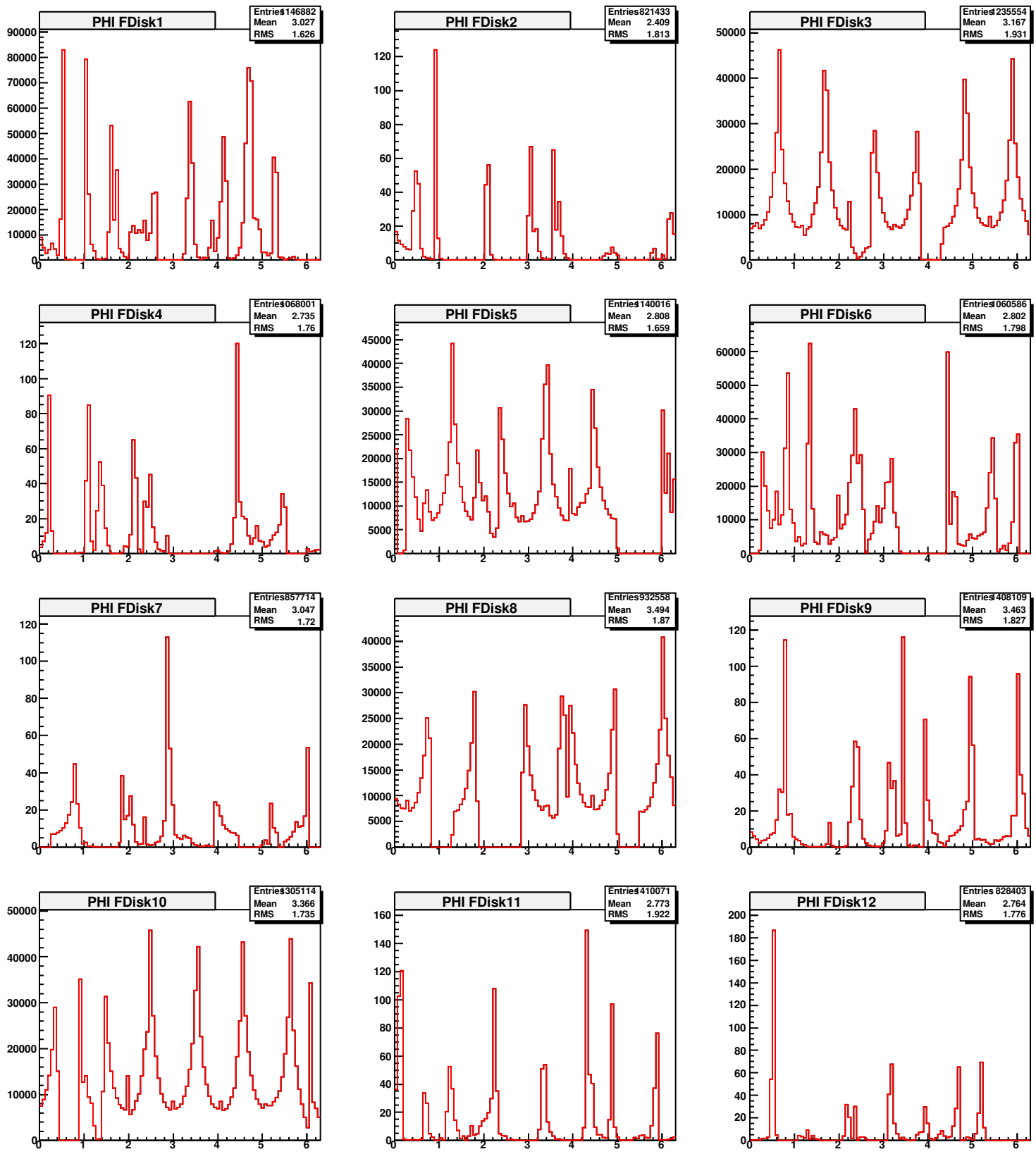




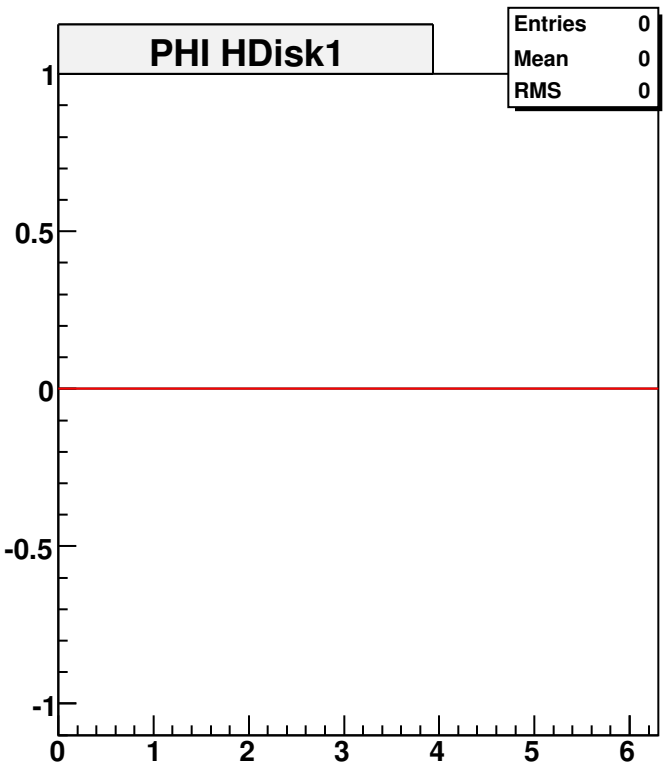


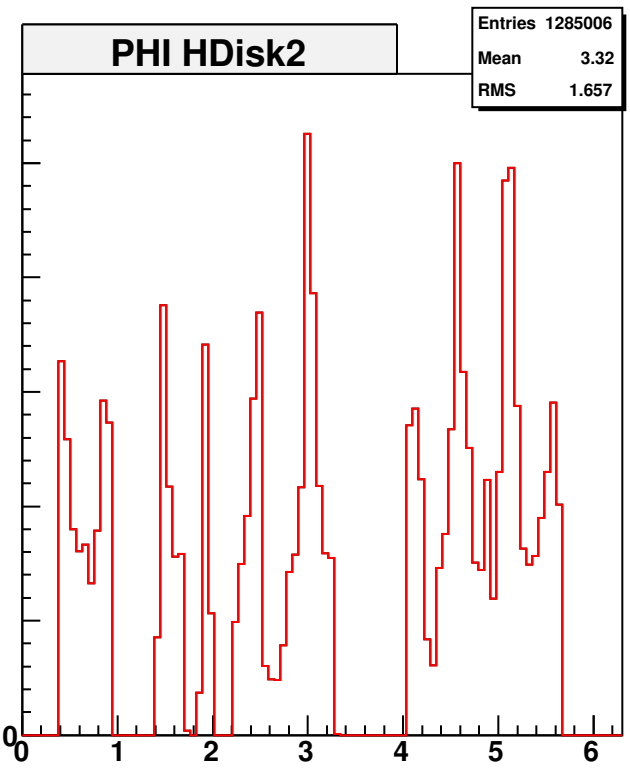


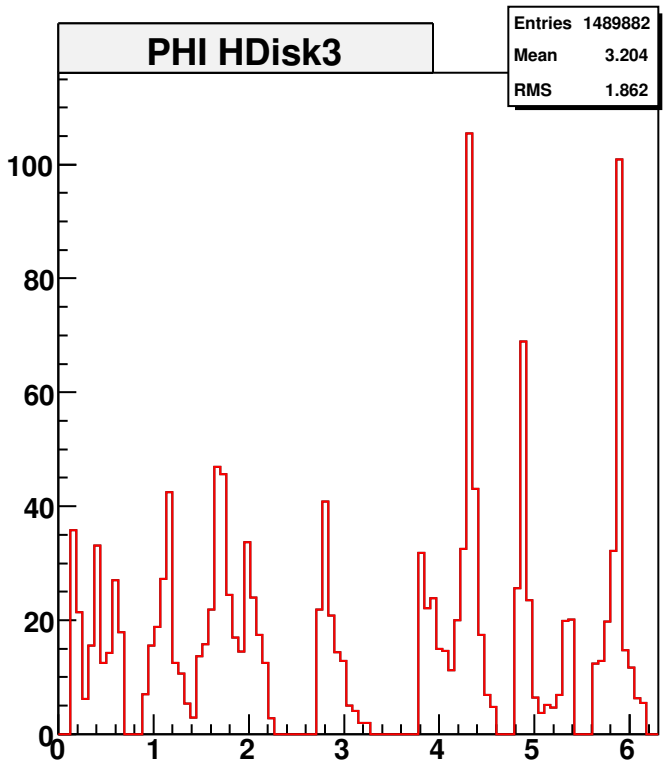
SmtClusters (ClustrBar6)

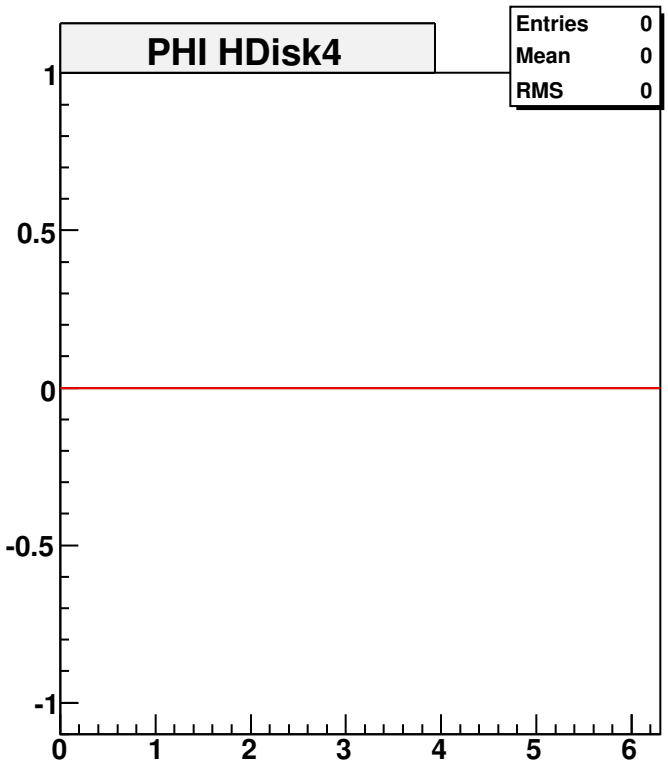


SmtClusters (FDiskClusters)

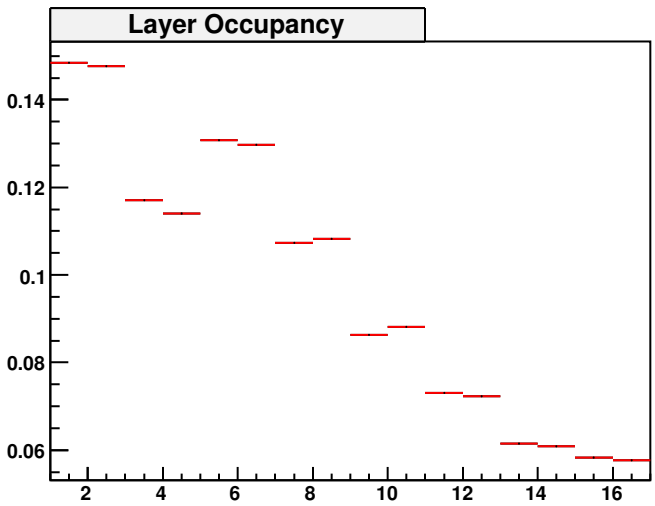


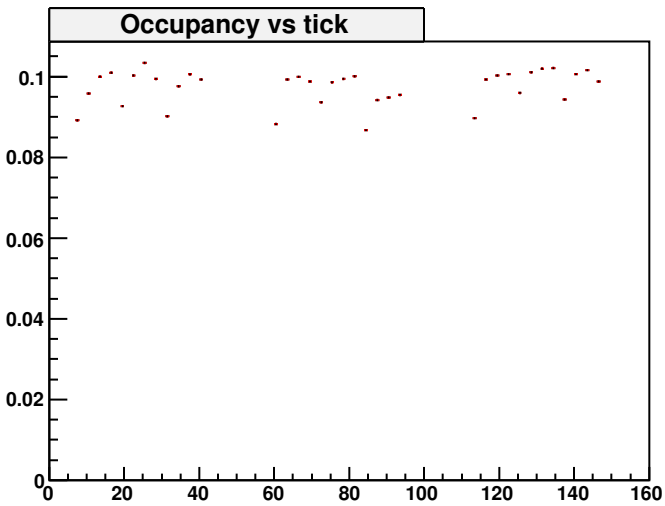


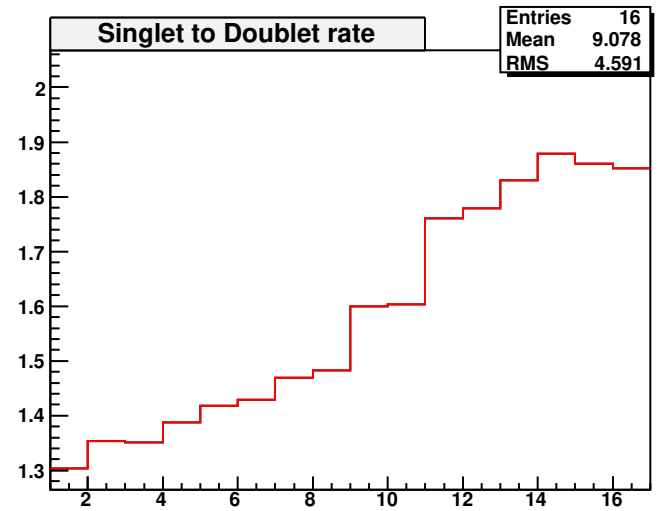


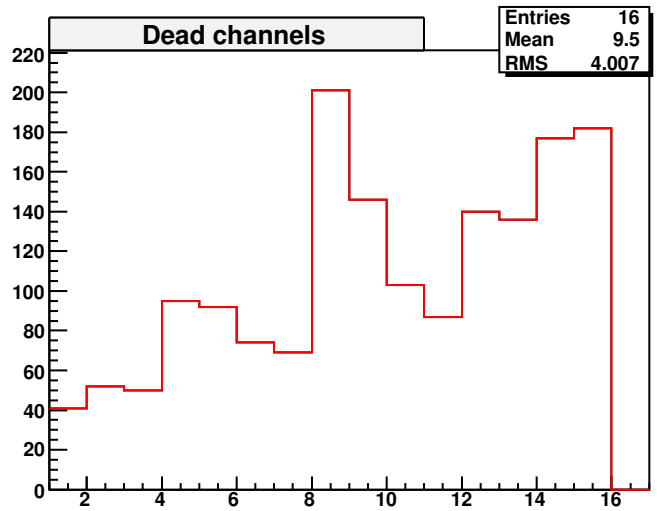


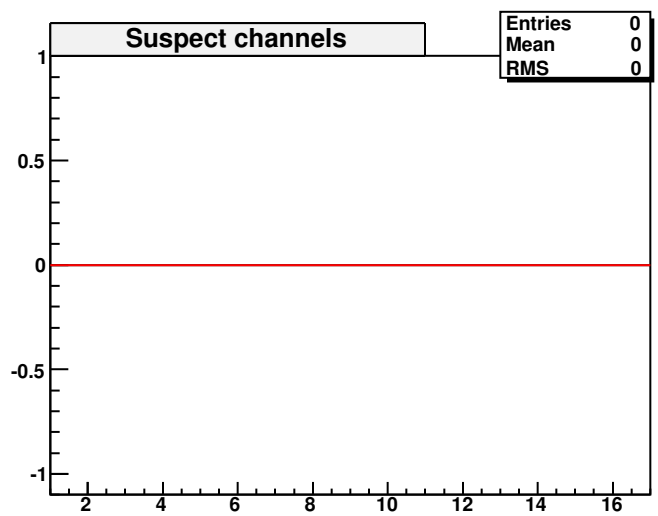
SmtClusters (HDiskClusters)

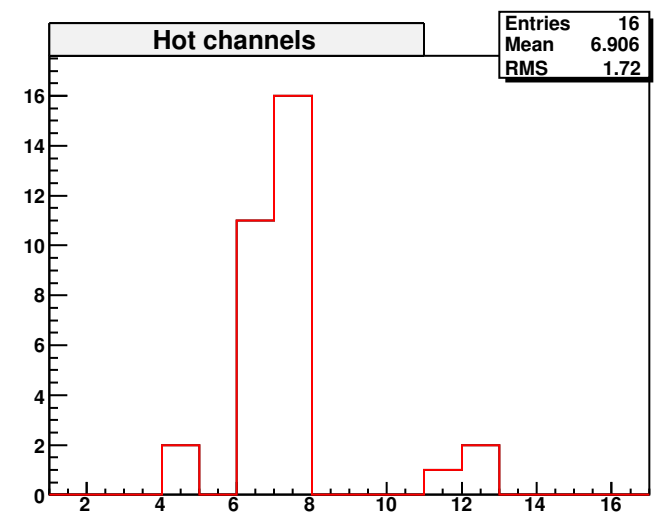




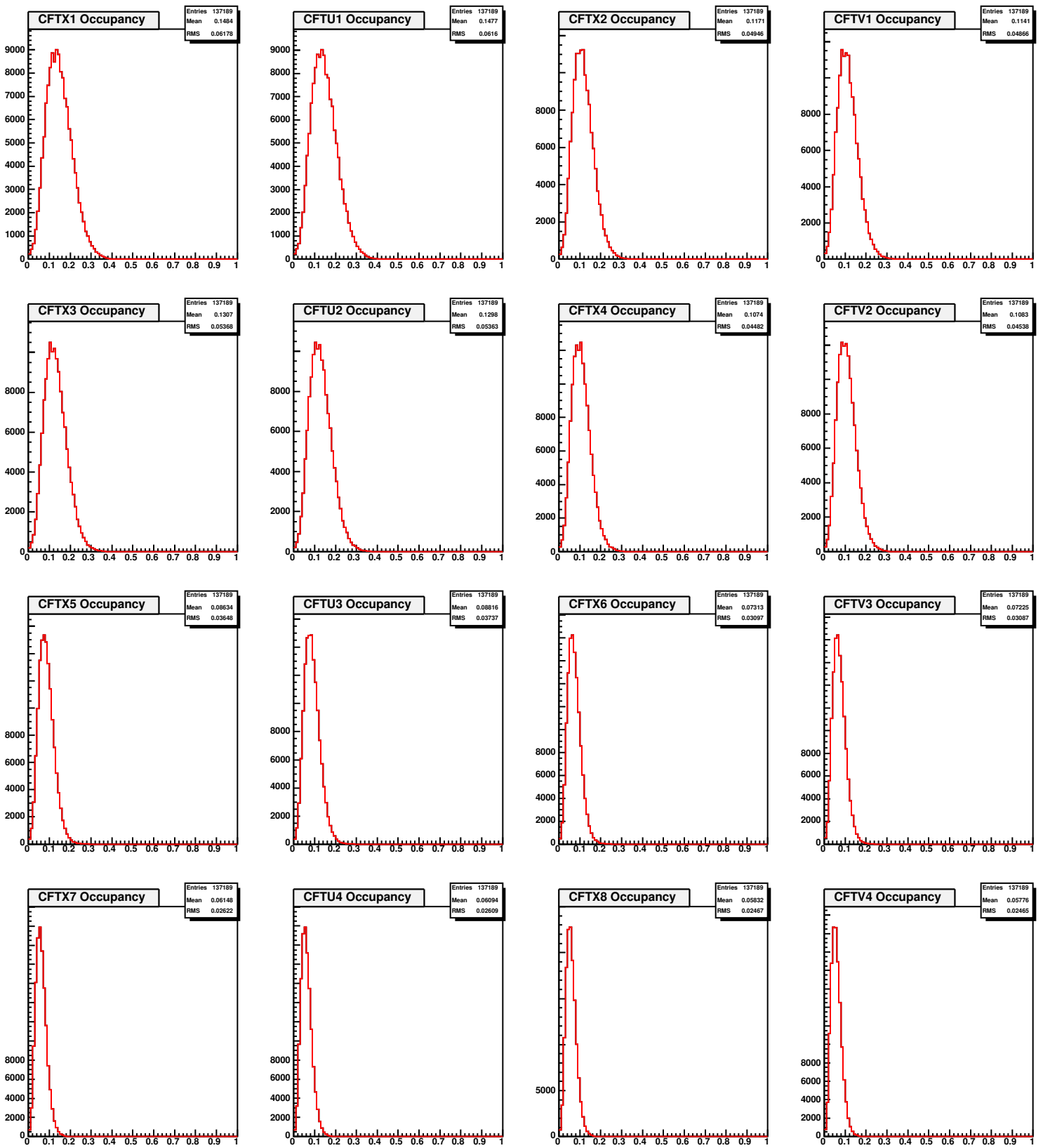




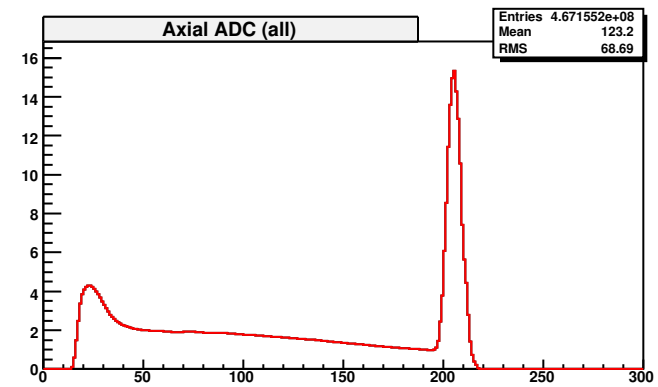


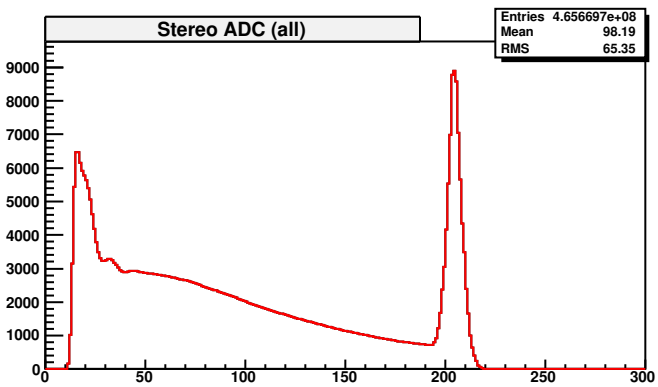


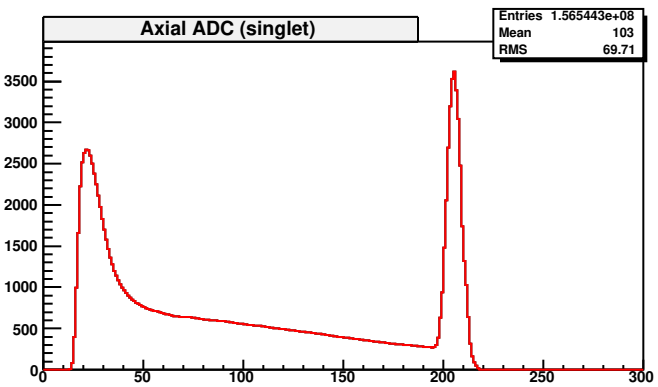
CFT Summary (All Clusters)

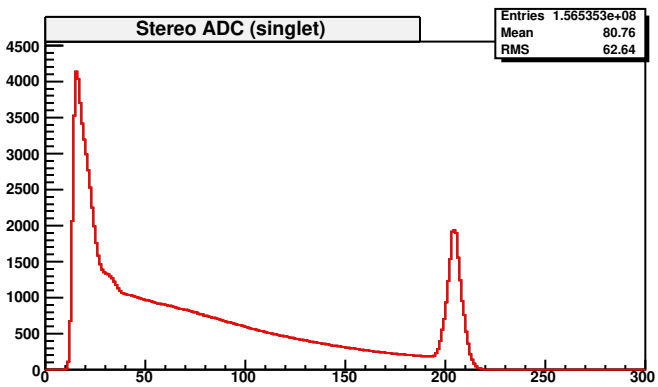


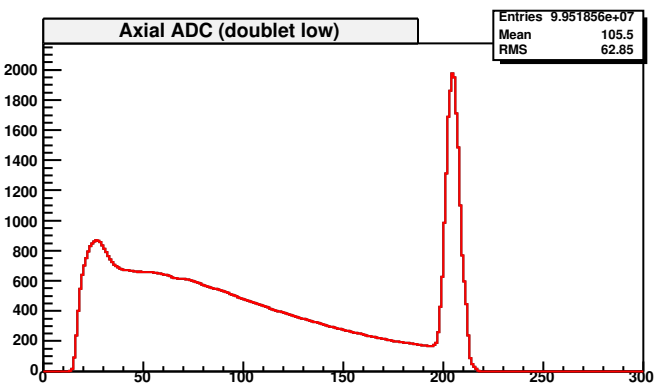
CFT Occupancy (All Clusters)

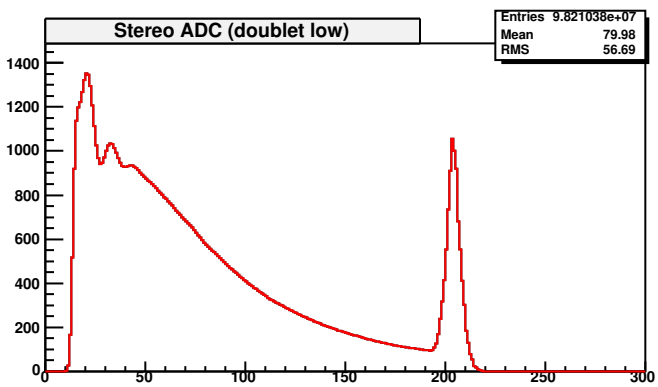


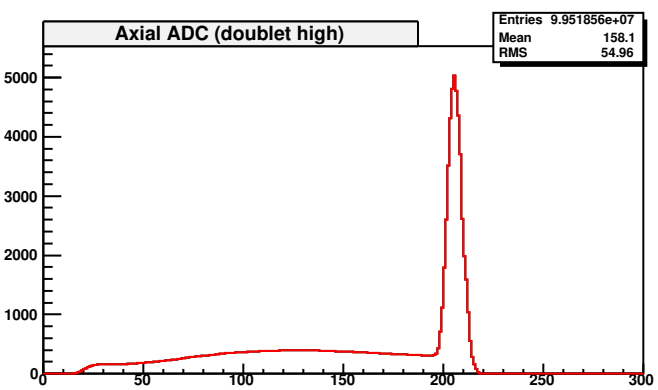


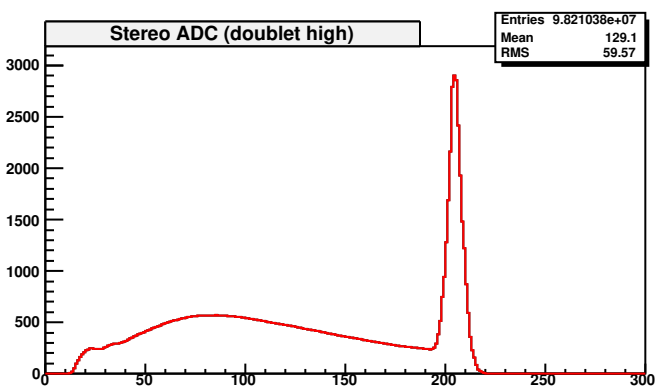




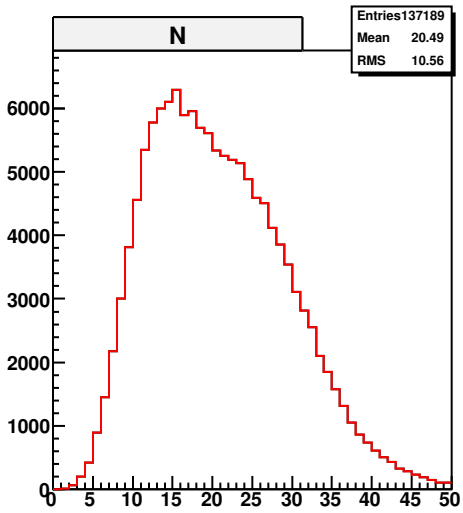


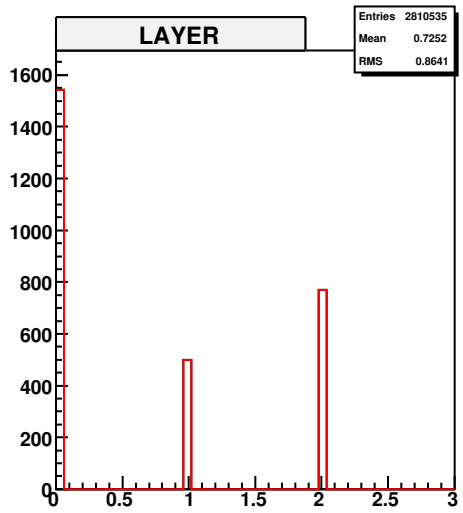


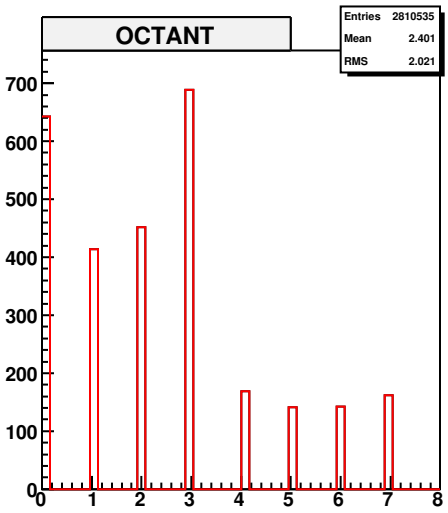


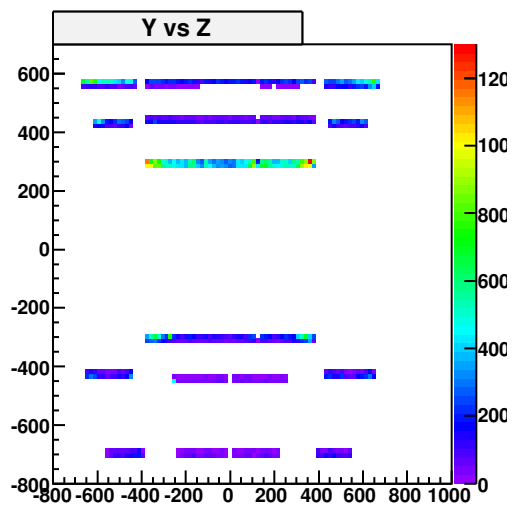


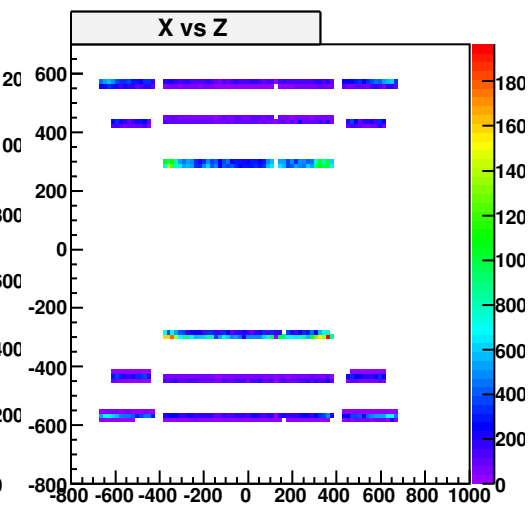
CFT ADC Summary (All Clusters)

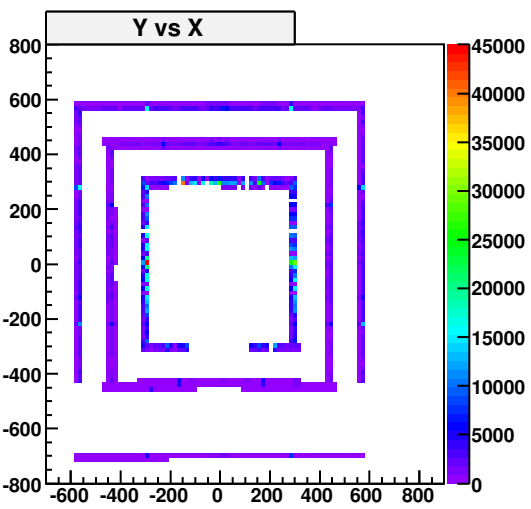

N
Entries 137189
Mean 20.49
RMS 10.56

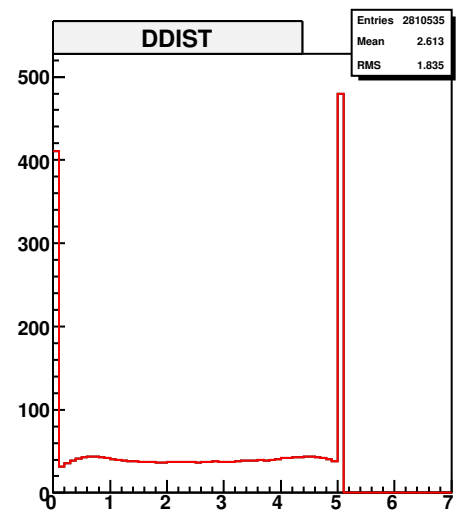

LAYER
Entries 2810535
Mean 0.7252
RMS 0.8641

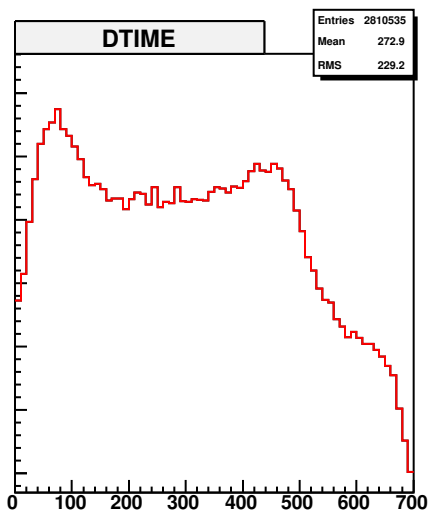

OCTANT
Entries 2810535
Mean 2.401
RMS 2.021


Y vs Z

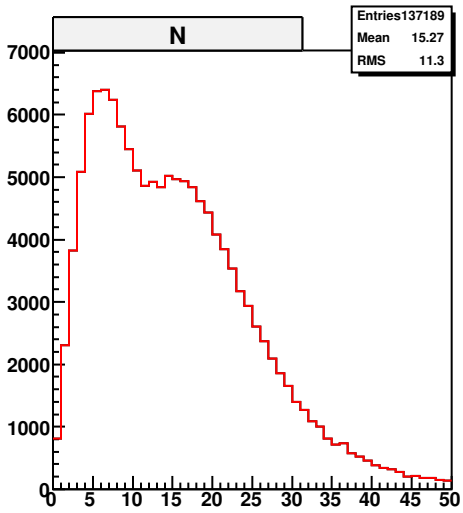

X vs Z

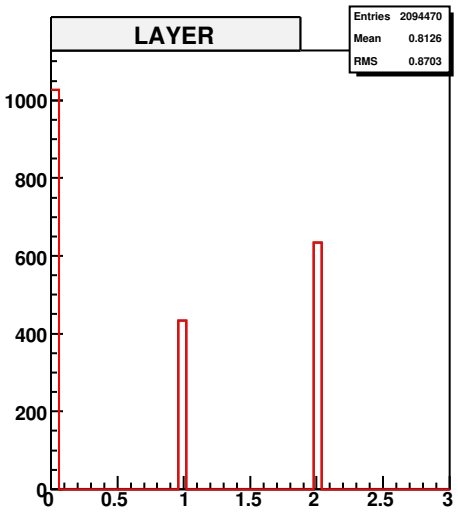

Y vs X

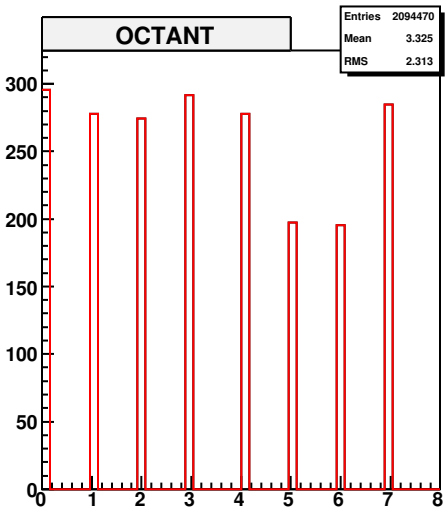

DDIST
Entries 2810535
Mean 2.613
RMS 1.835

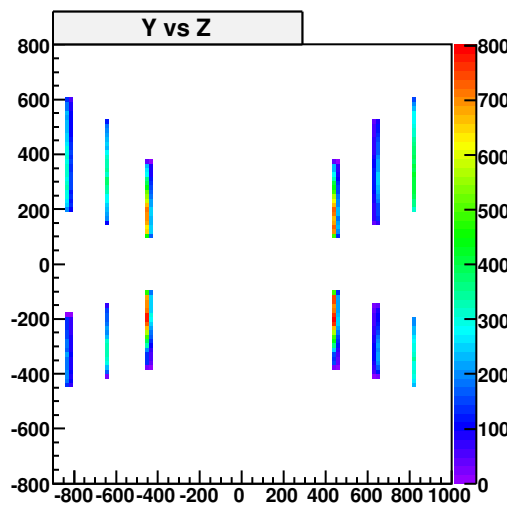

DTIME
Entries 2810535
Mean 272.9
RMS 229.2

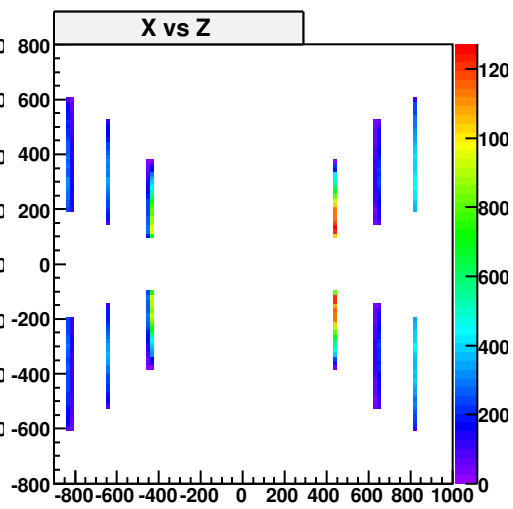
MuonPDT (All)

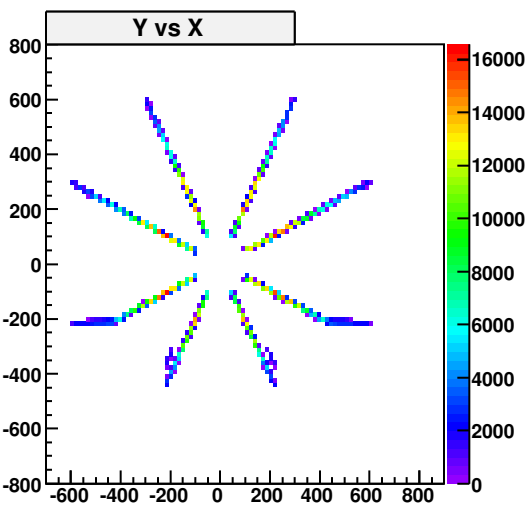

N
Entries 137189
Mean 15.27
RMS 11.3

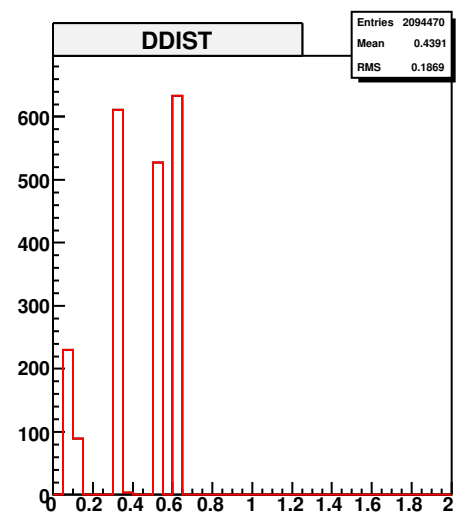

LAYER
Entries 2094470
Mean 0.8126
RMS 0.8703

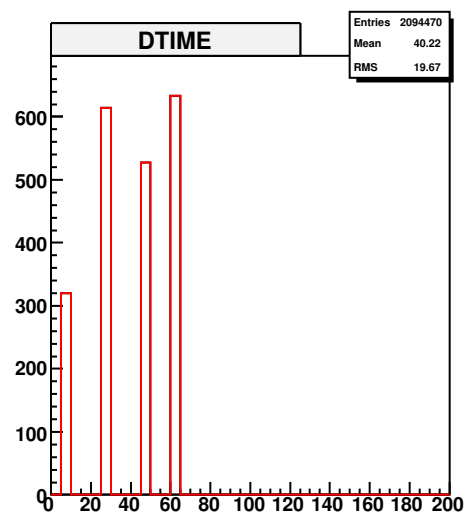

OCTANT
Entries 2094470
Mean 3.325
RMS 2.313


Y vs Z

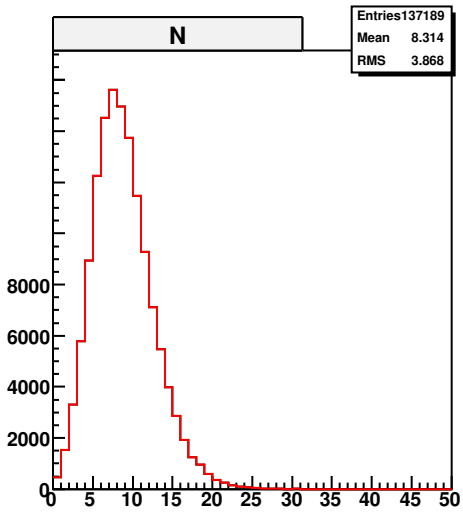

X vs Z


Y vs X


DDIST
Entries 2094470
Mean 0.4391
RMS 0.1869


DTIME
Entries 2094470
Mean 40.22
RMS 19.67

MuonMDT (All)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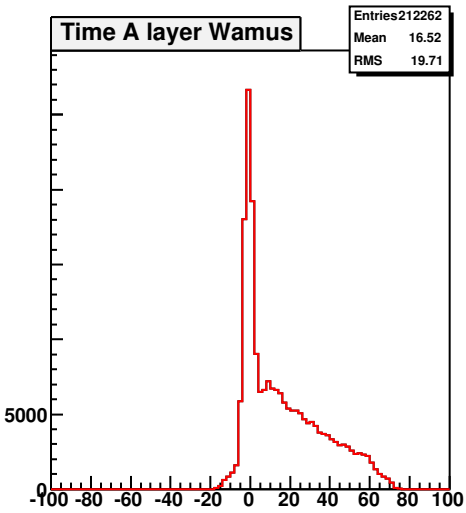
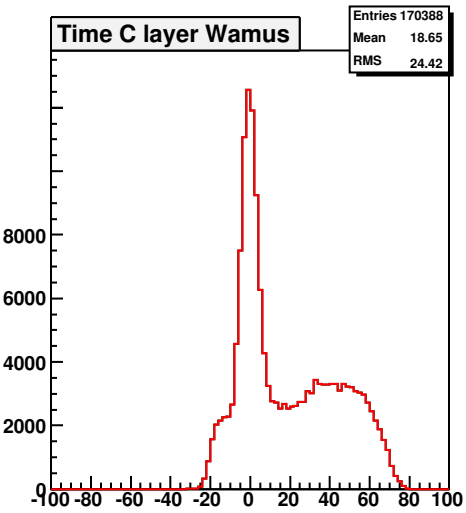
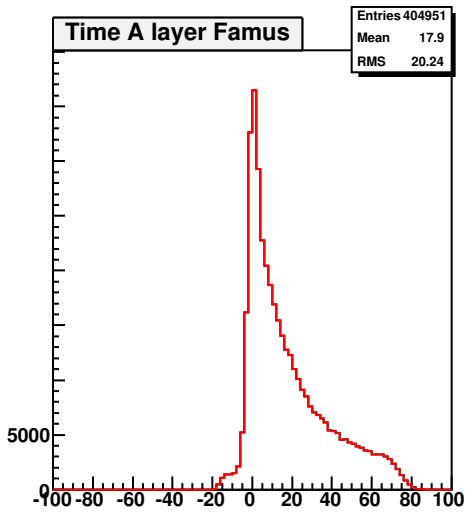
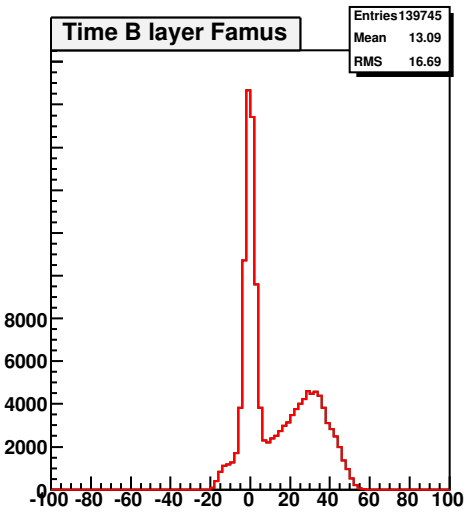
Entries 137189
Mean 8.314
RMS 3.868


Time A layer Wamus
Entries 212262
Mean 16.52
RMS 19.71


Time C layer Wamus
Entries 170388
Mean 18.65
RMS 24.42


Time A layer Famus
Entries 404951
Mean 17.9
RMS 20.24


Time B layer Famus
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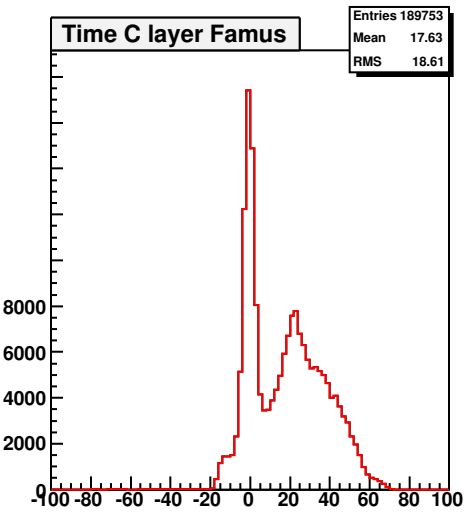
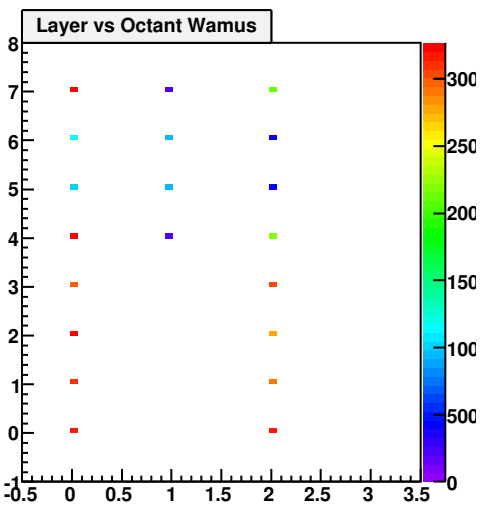
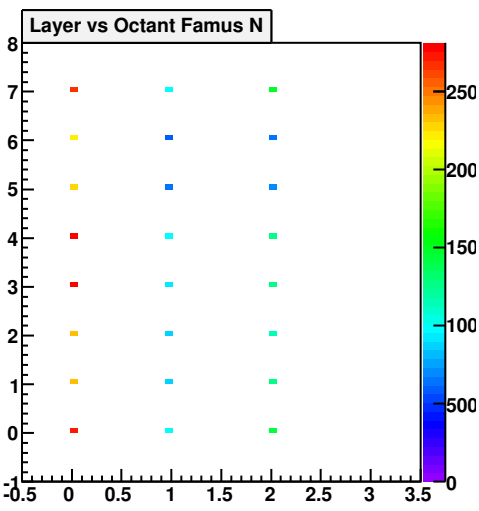
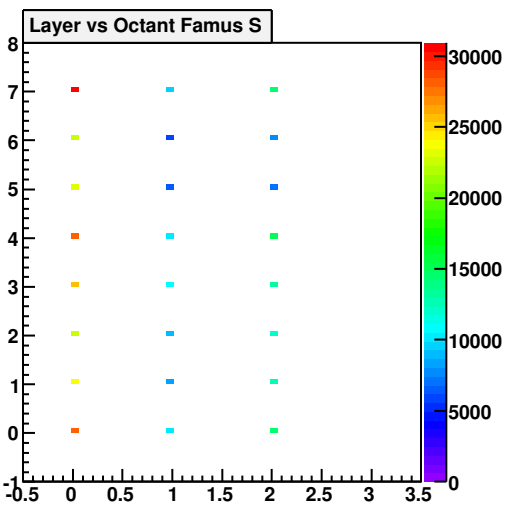
Mean 13.09
RMS 16.69

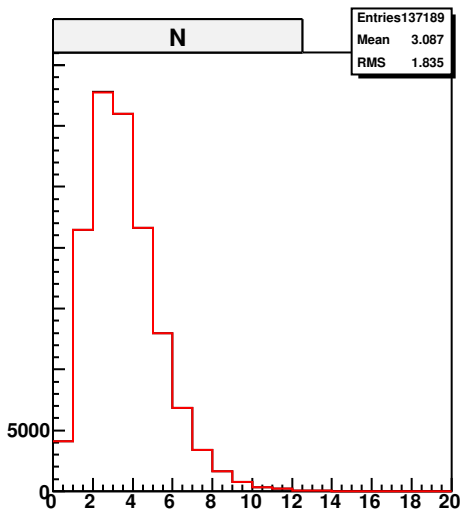

Time C layer Famus
Entries 189753
Mean 17.63
RMS 18.61

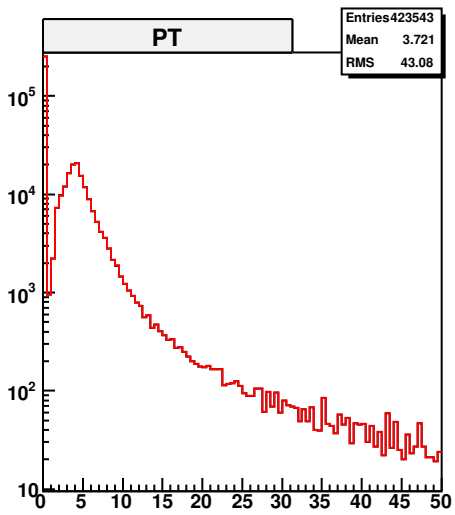

Layer vs Octant Wamus

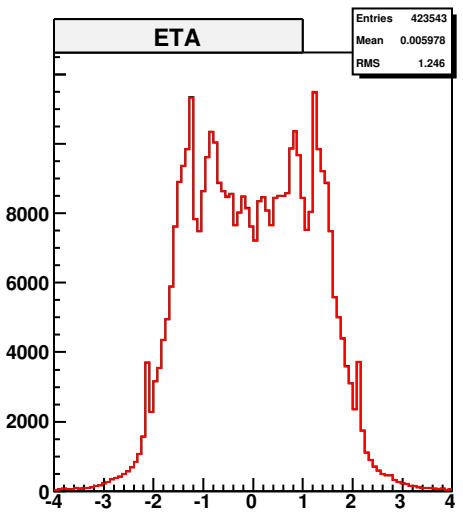

Layer vs Octant Famus N

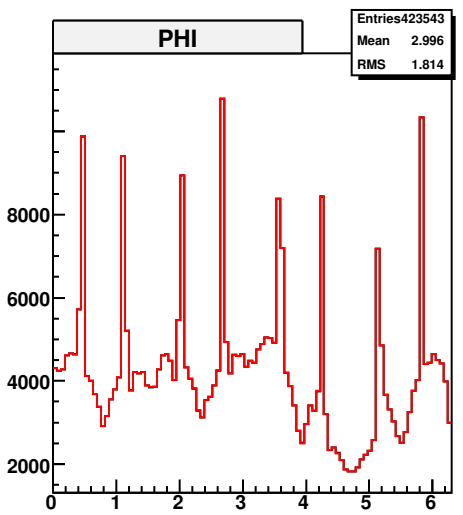

Layer vs Octant Famus S

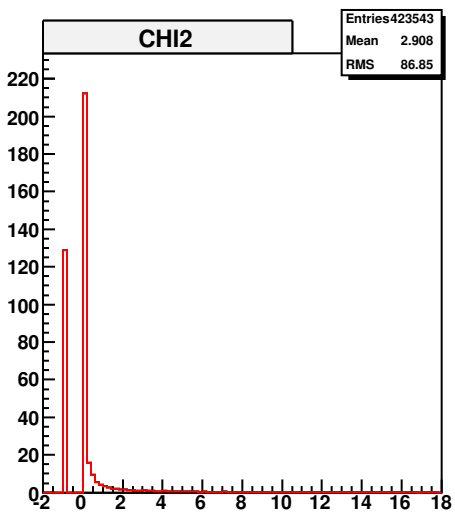
MuonMSC (All)

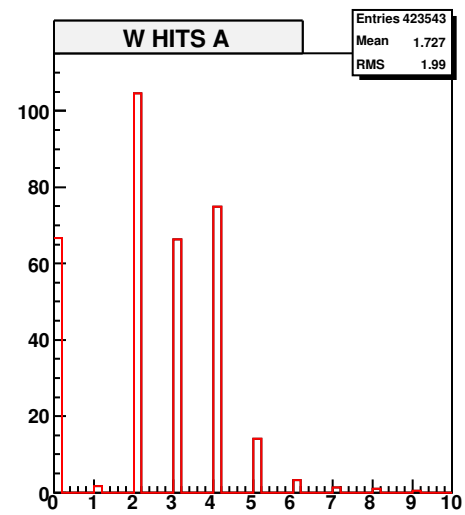


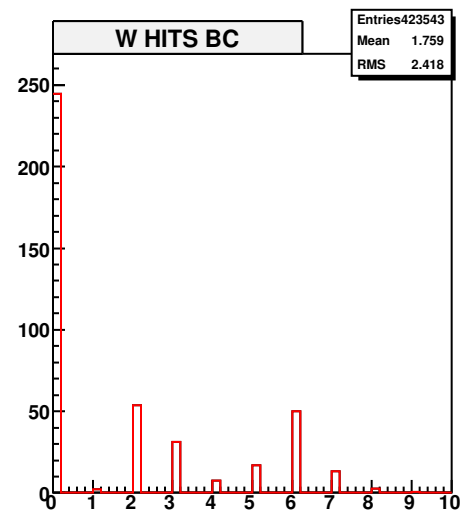


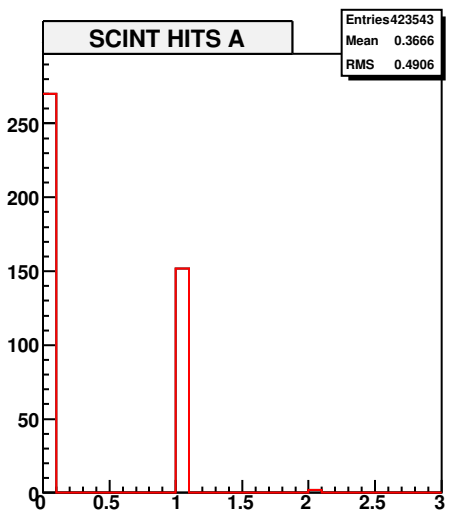


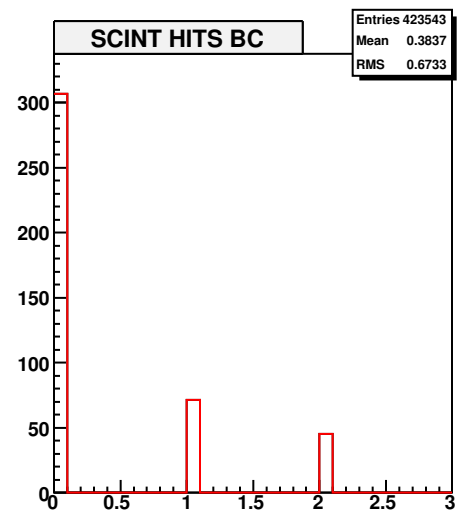




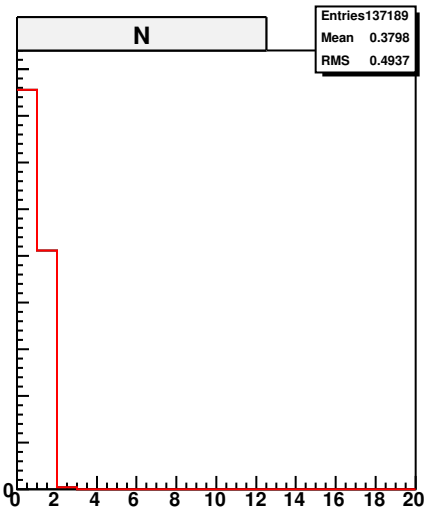


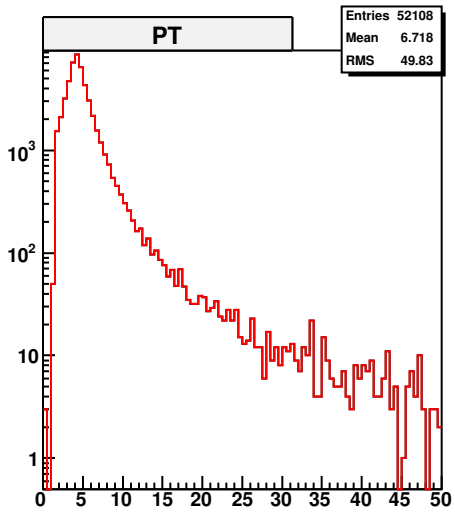


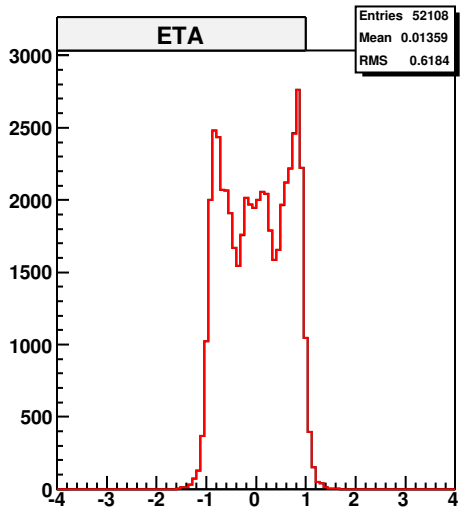


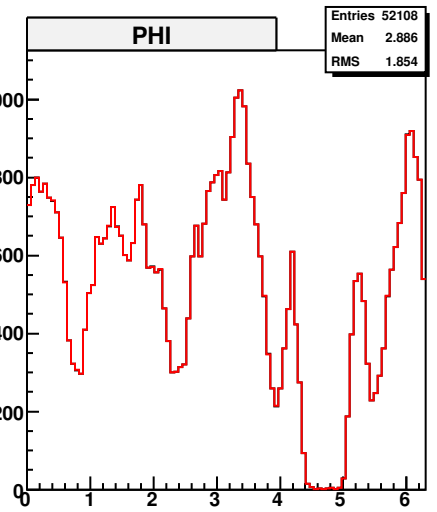


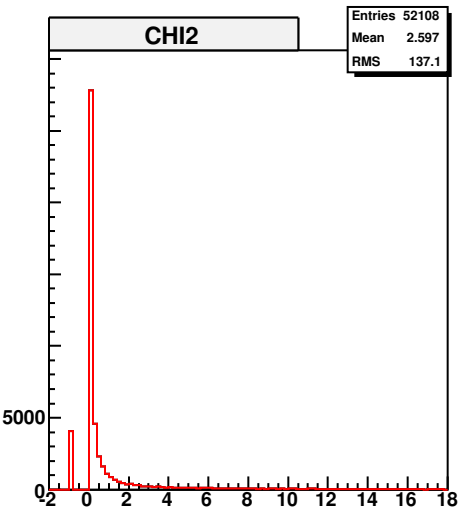
Muon Local Tracks (All)

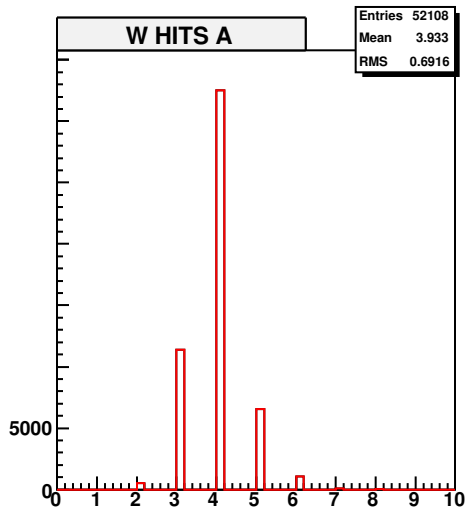


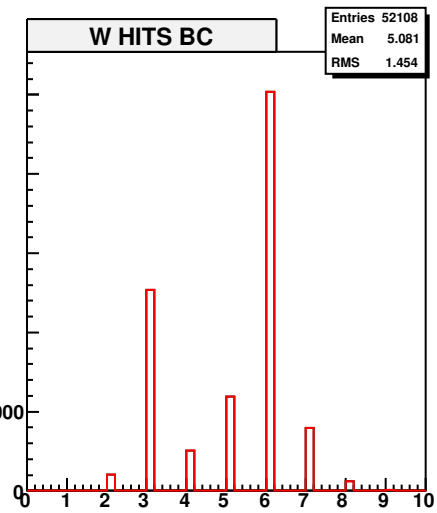


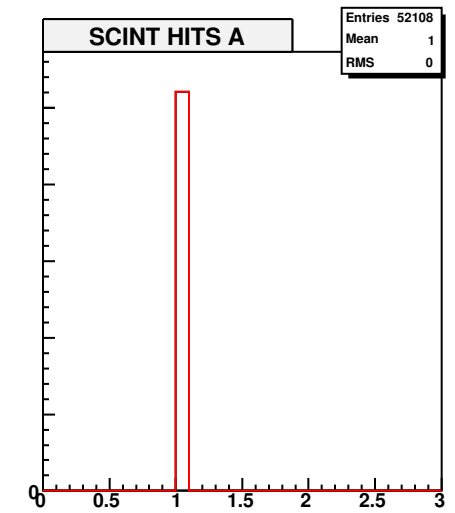


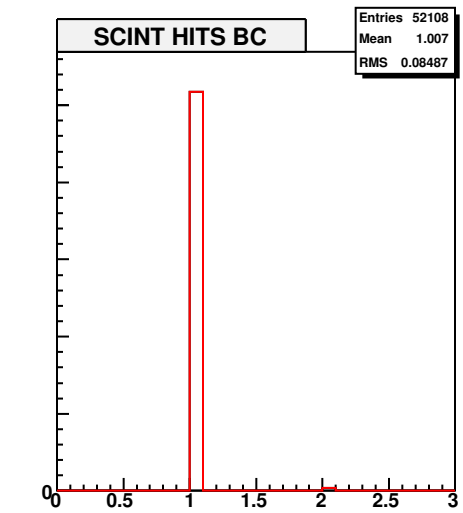




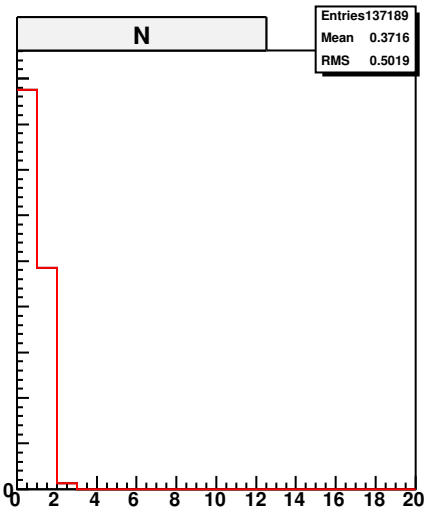


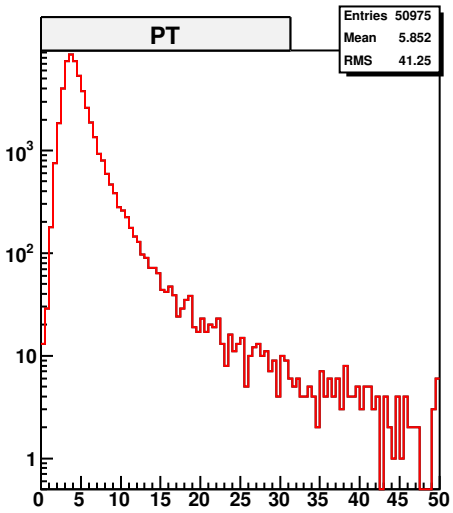


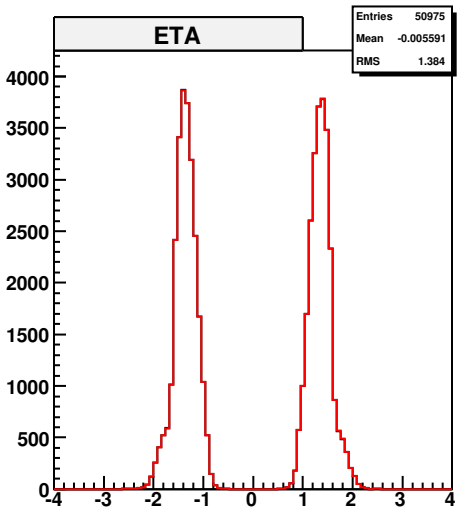


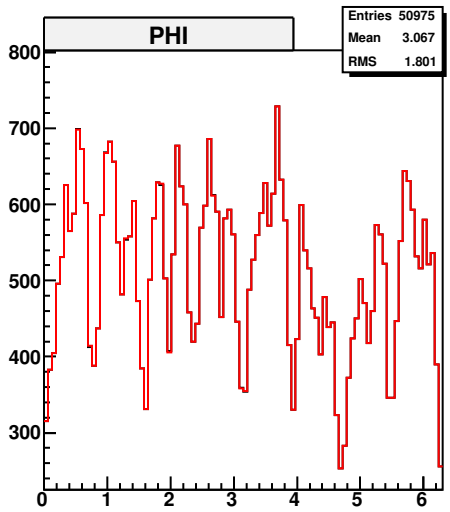


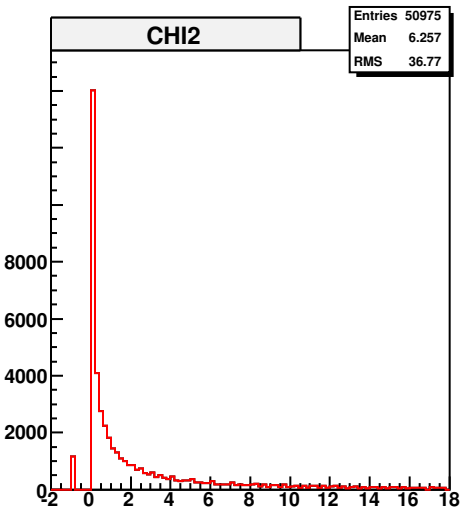
Muon Local Tracks (MediumWamus)

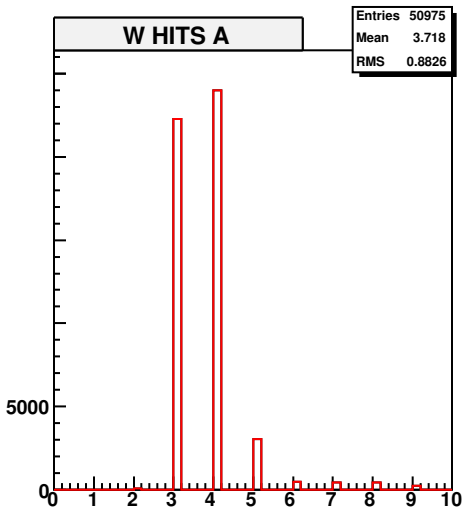


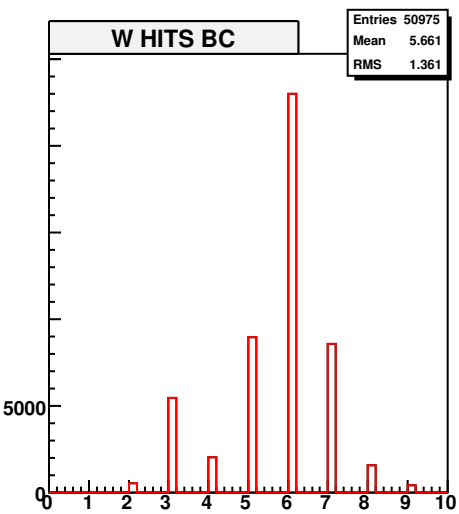


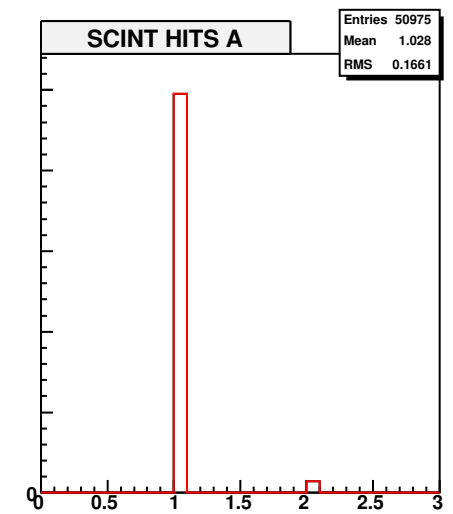


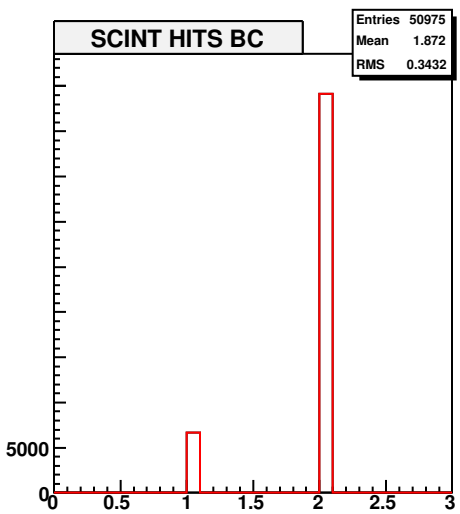




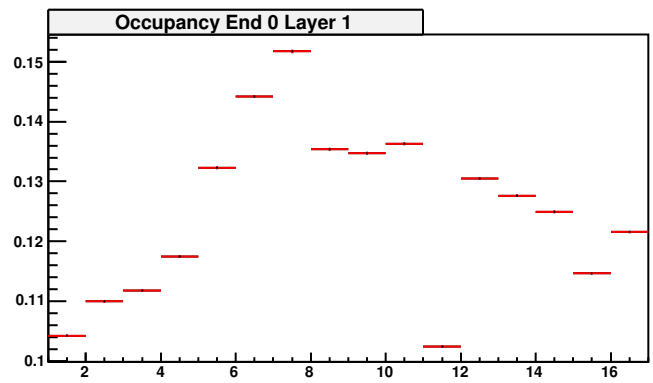


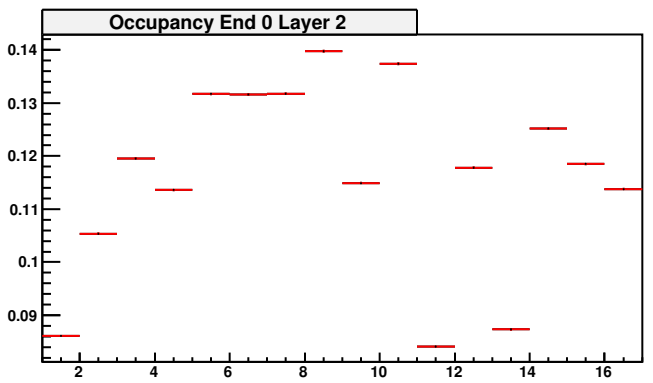


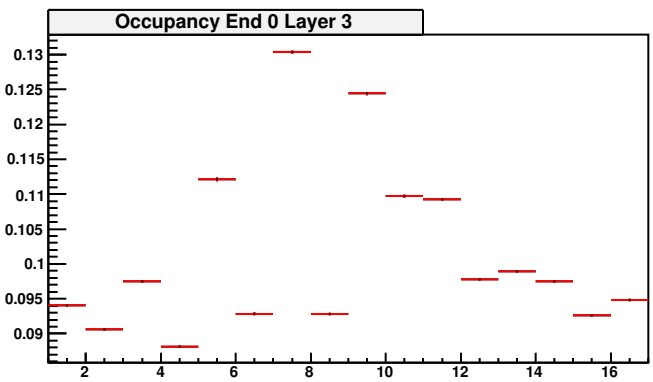


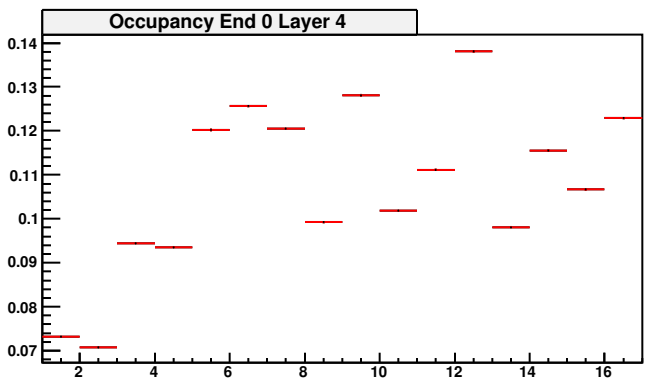


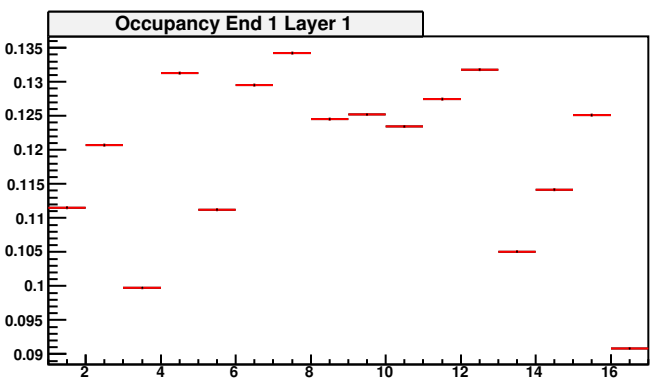
Muon Local Tracks (MediumFamus)

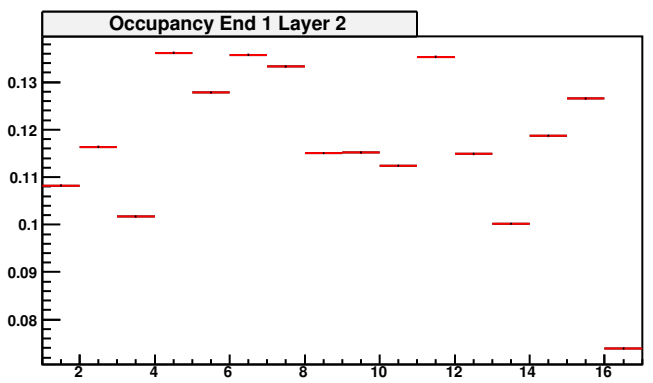


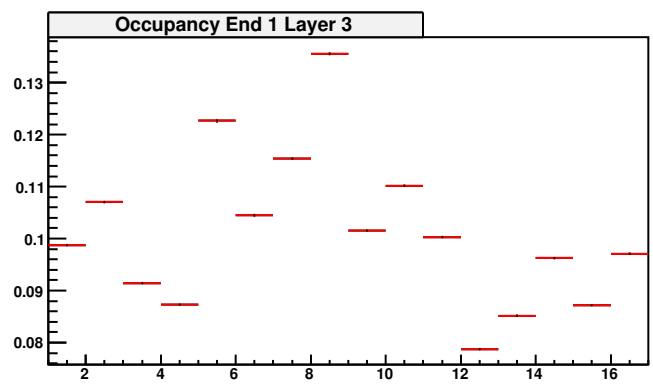


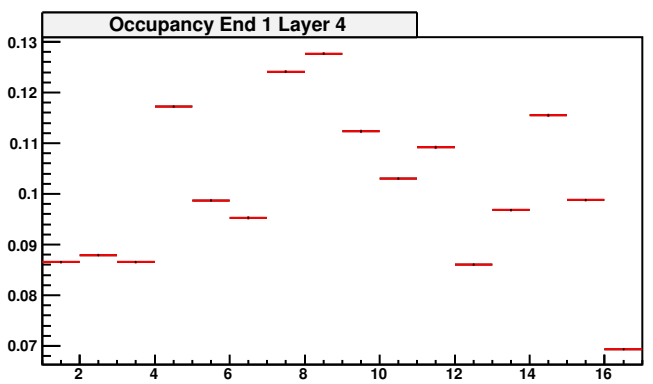




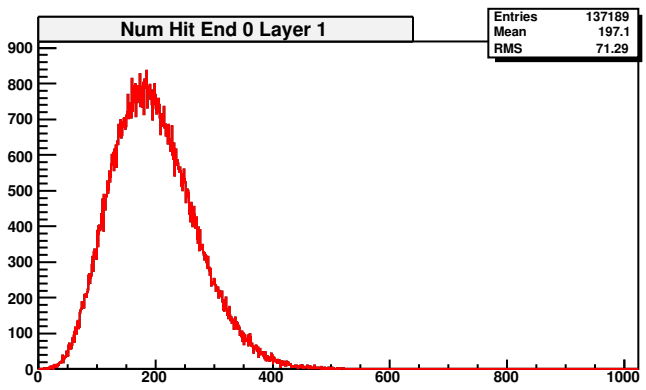


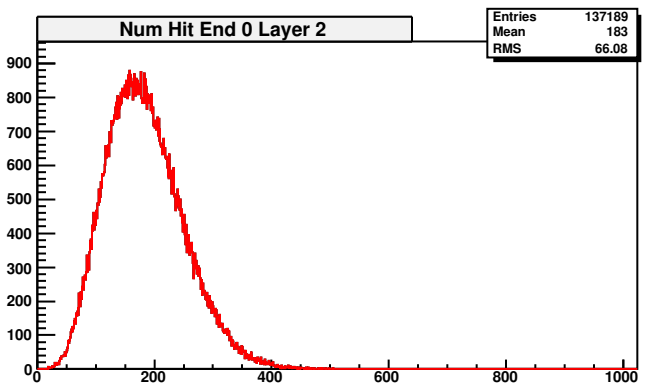


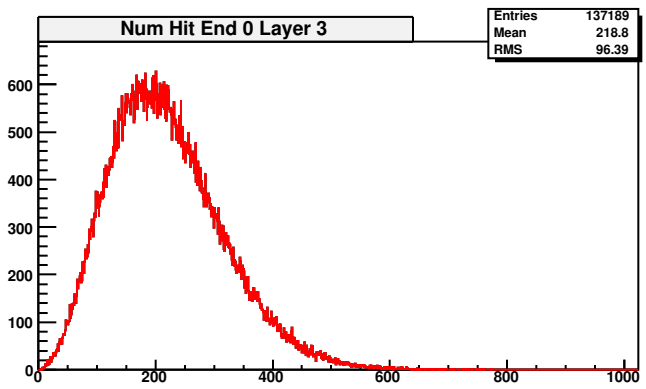


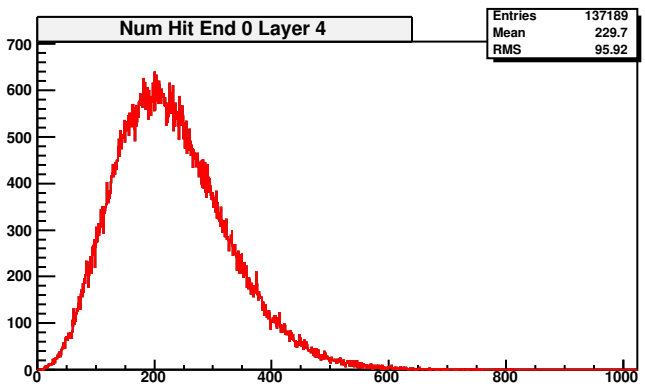


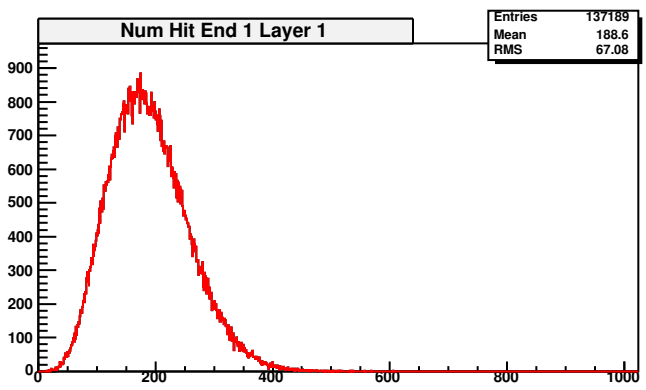
FPS Hit Occupancy (All)

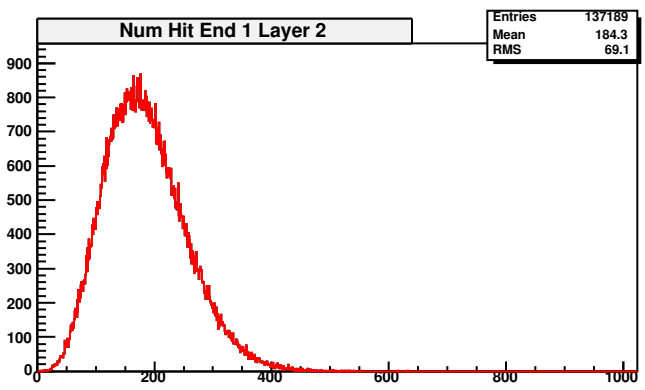


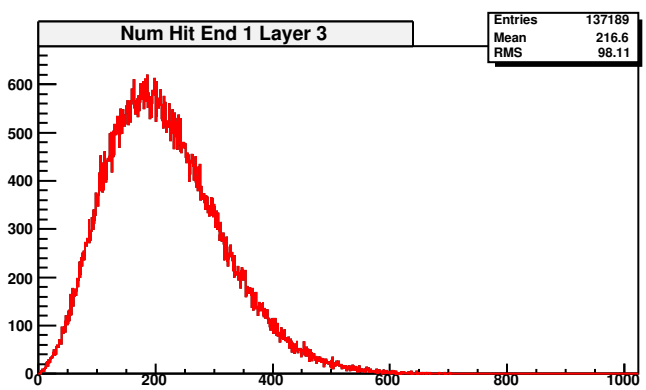


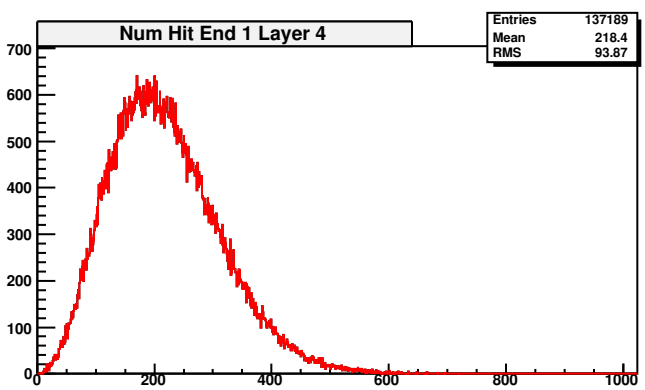




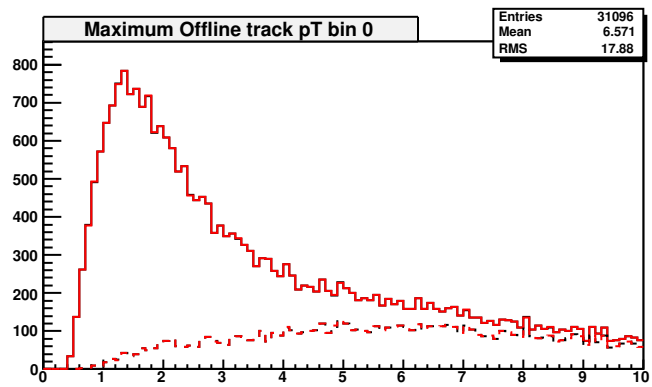


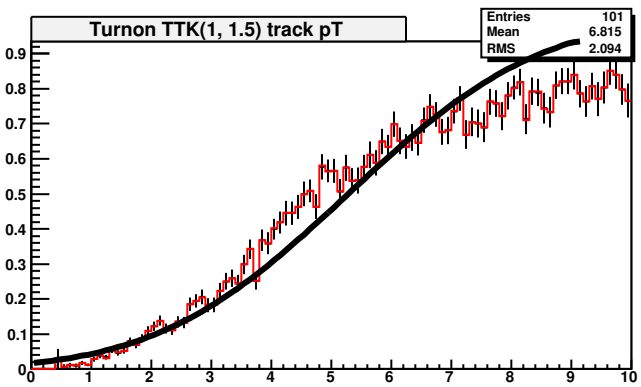


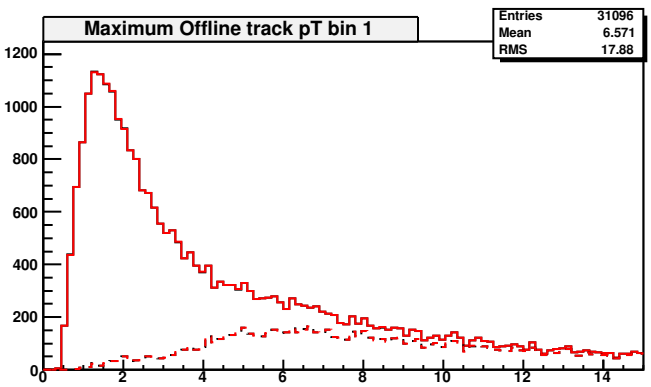


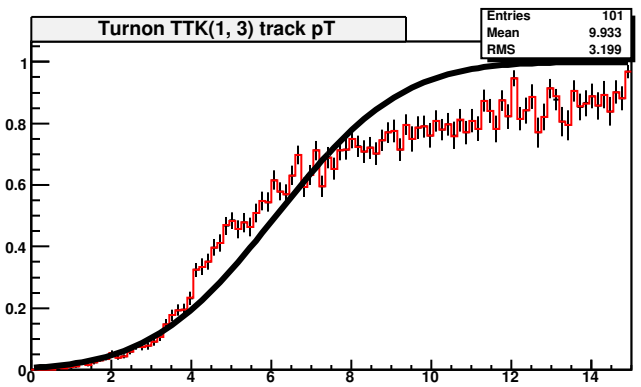


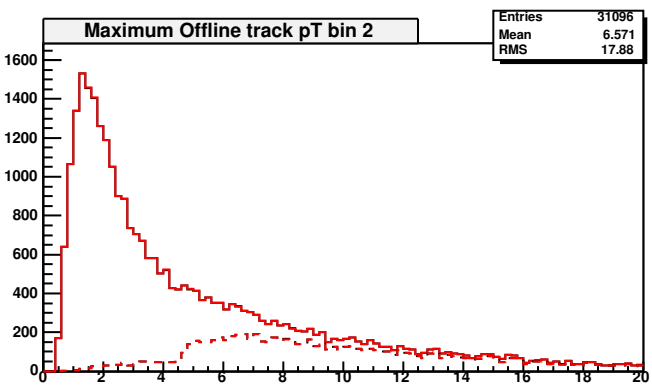
FPS Number of Hits (All)

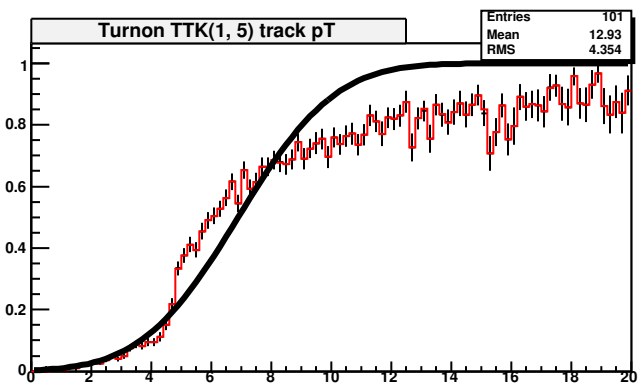


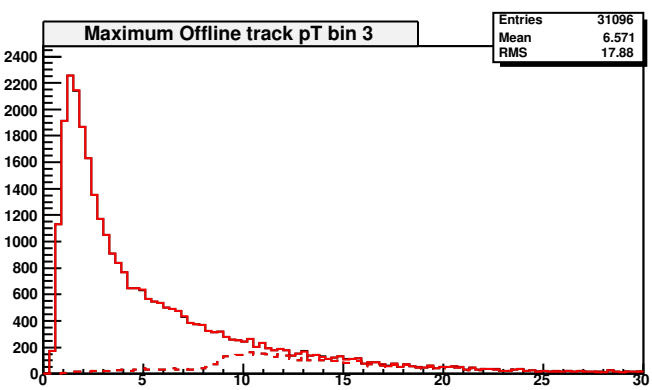


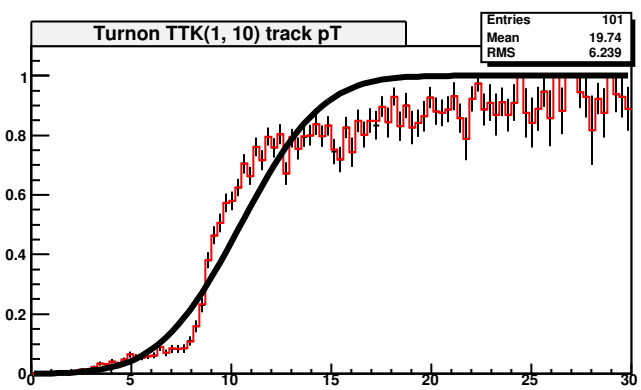




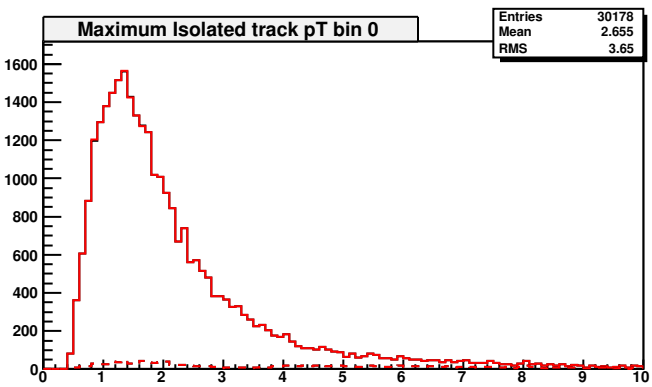


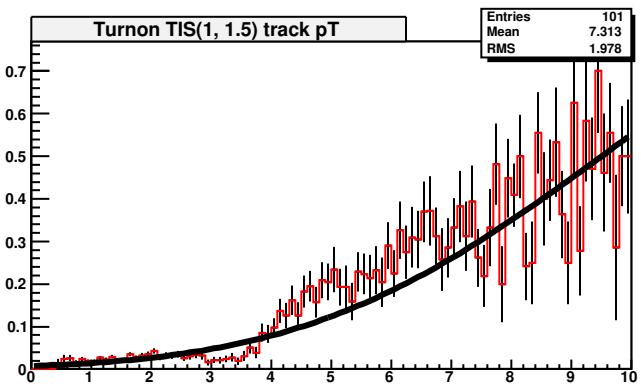


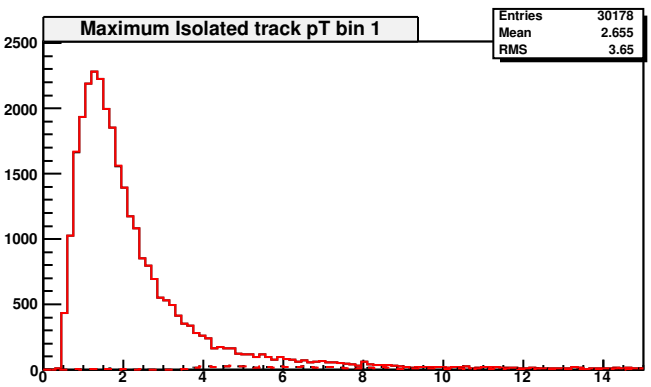


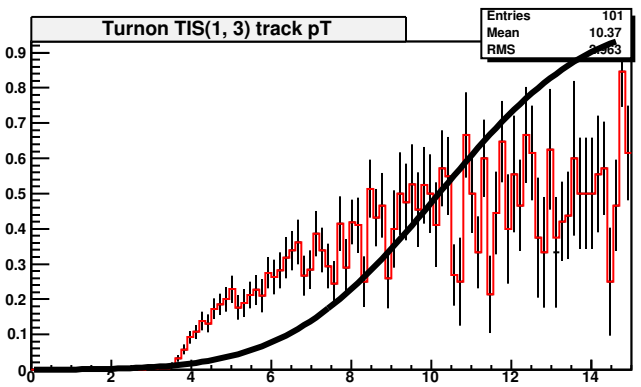


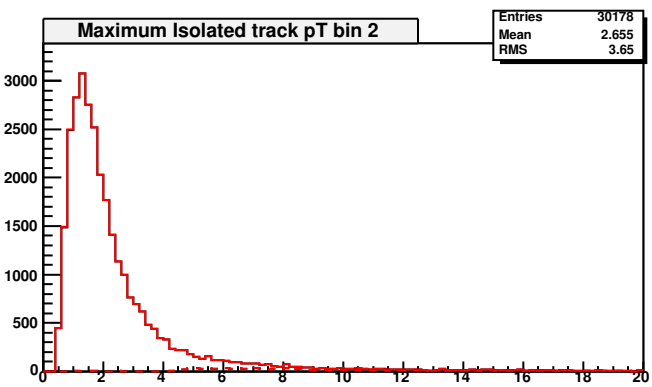
TTK Turnon curves (L1CTT All)

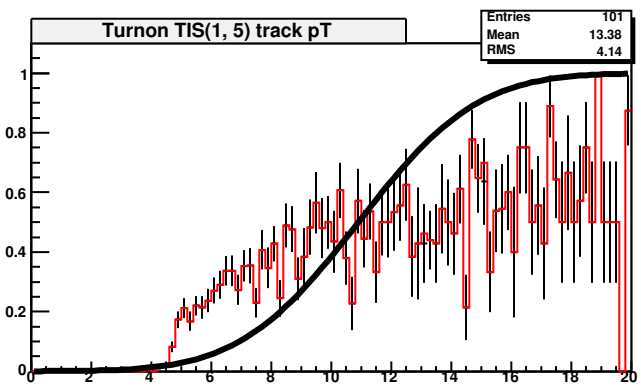


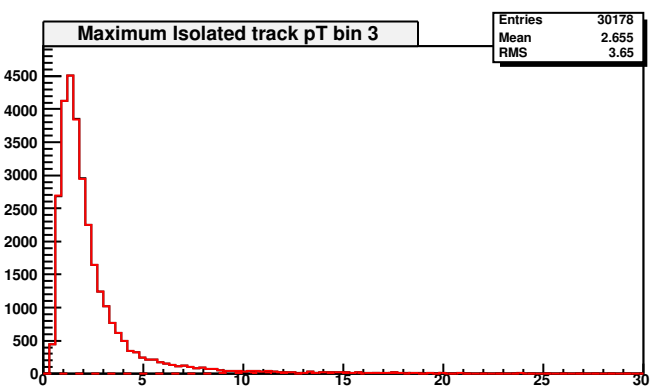


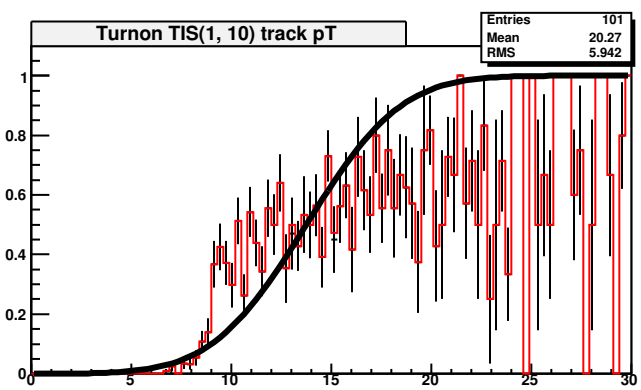




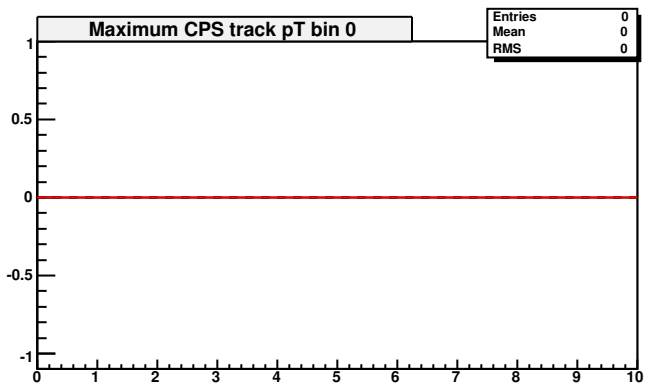


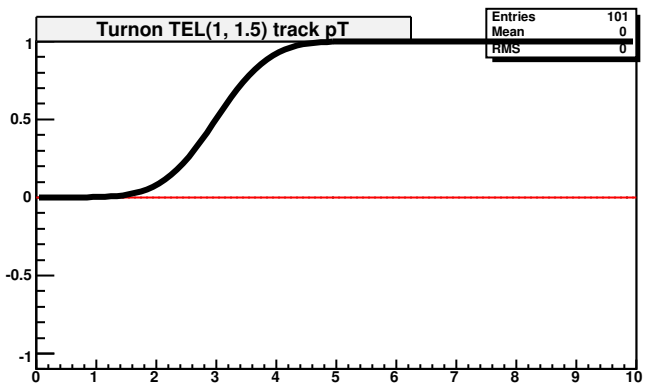


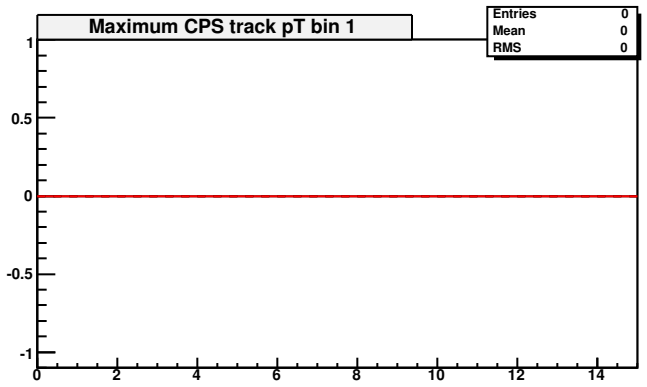


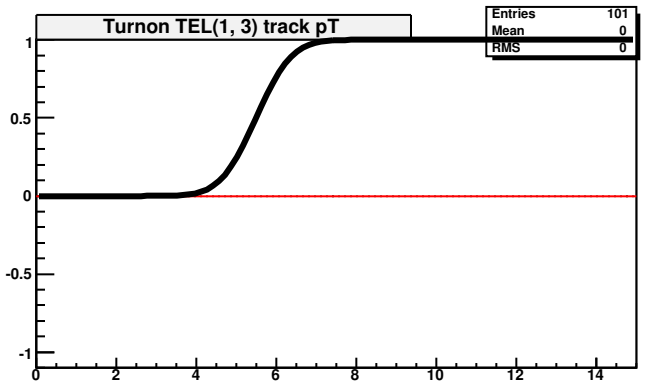


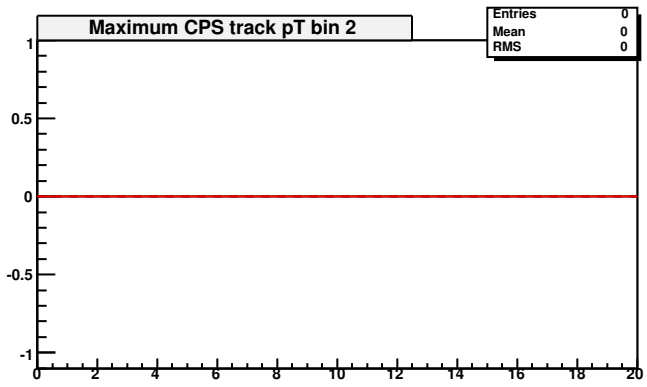
TIS Turnon curves (L1CTT All)

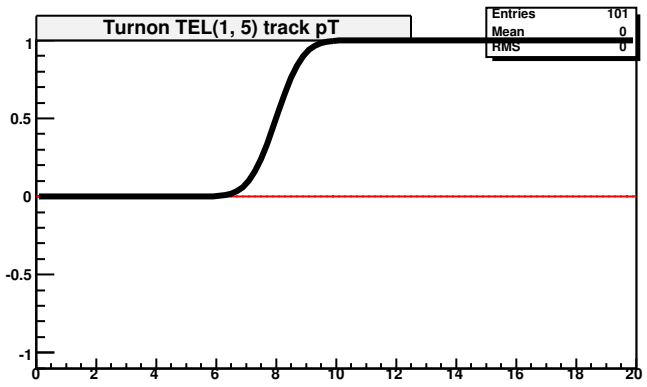


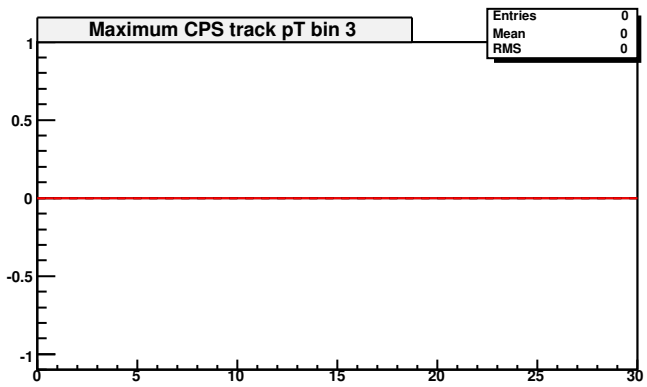


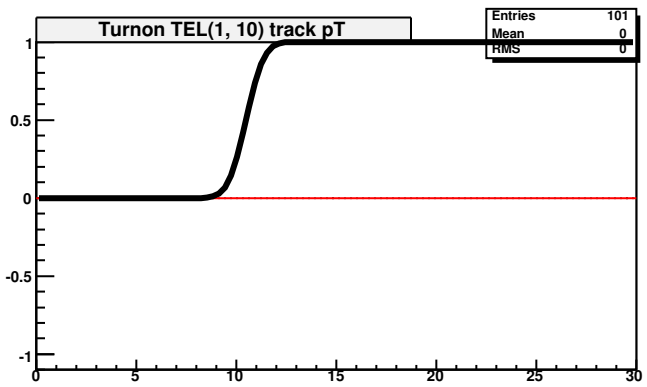




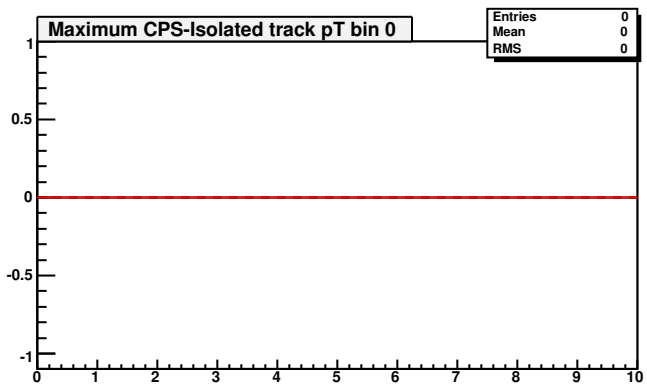


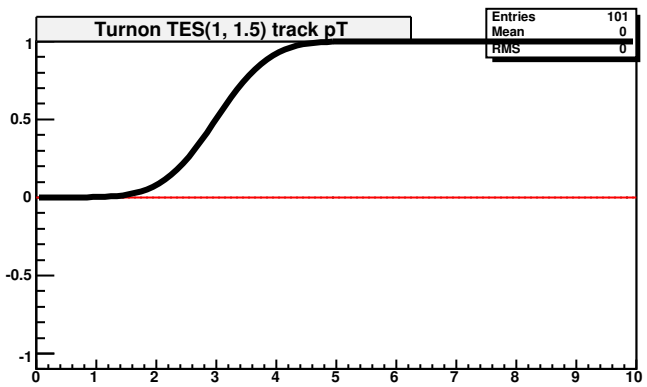


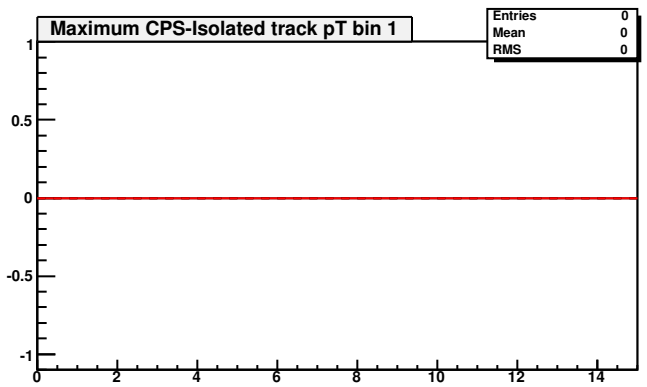


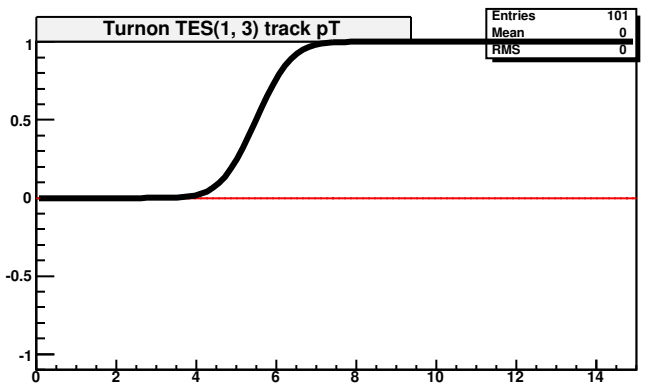


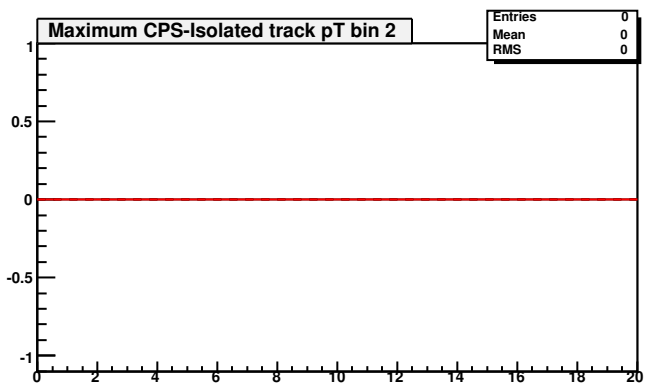
TEL Turnon curves (L1CTT All)

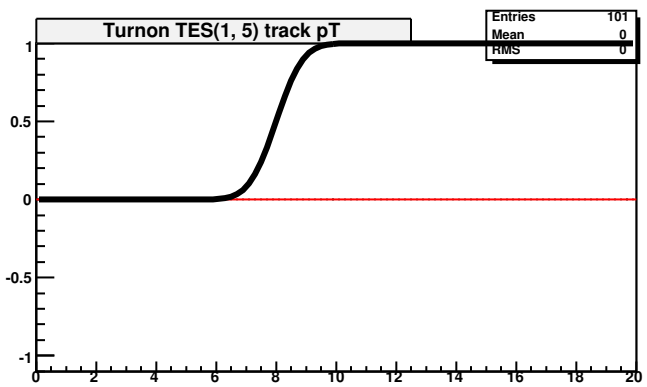


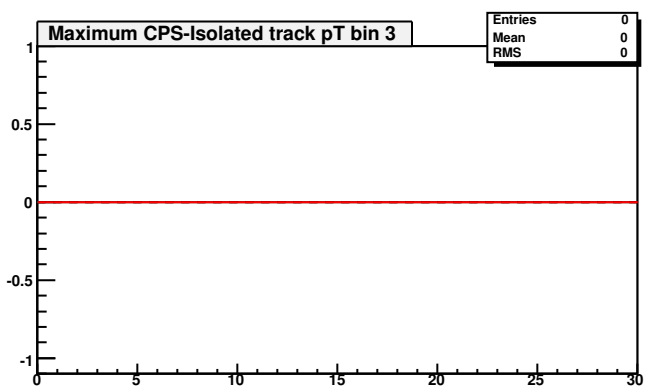


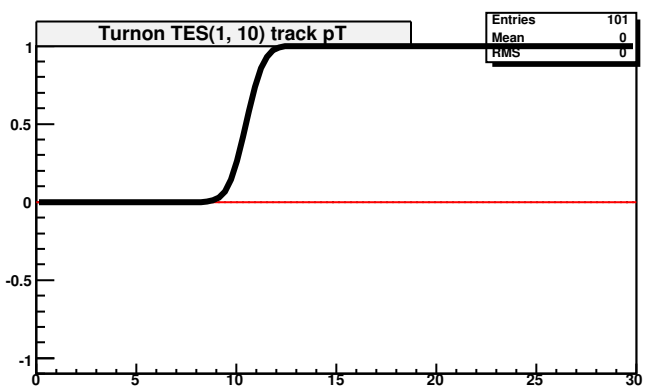




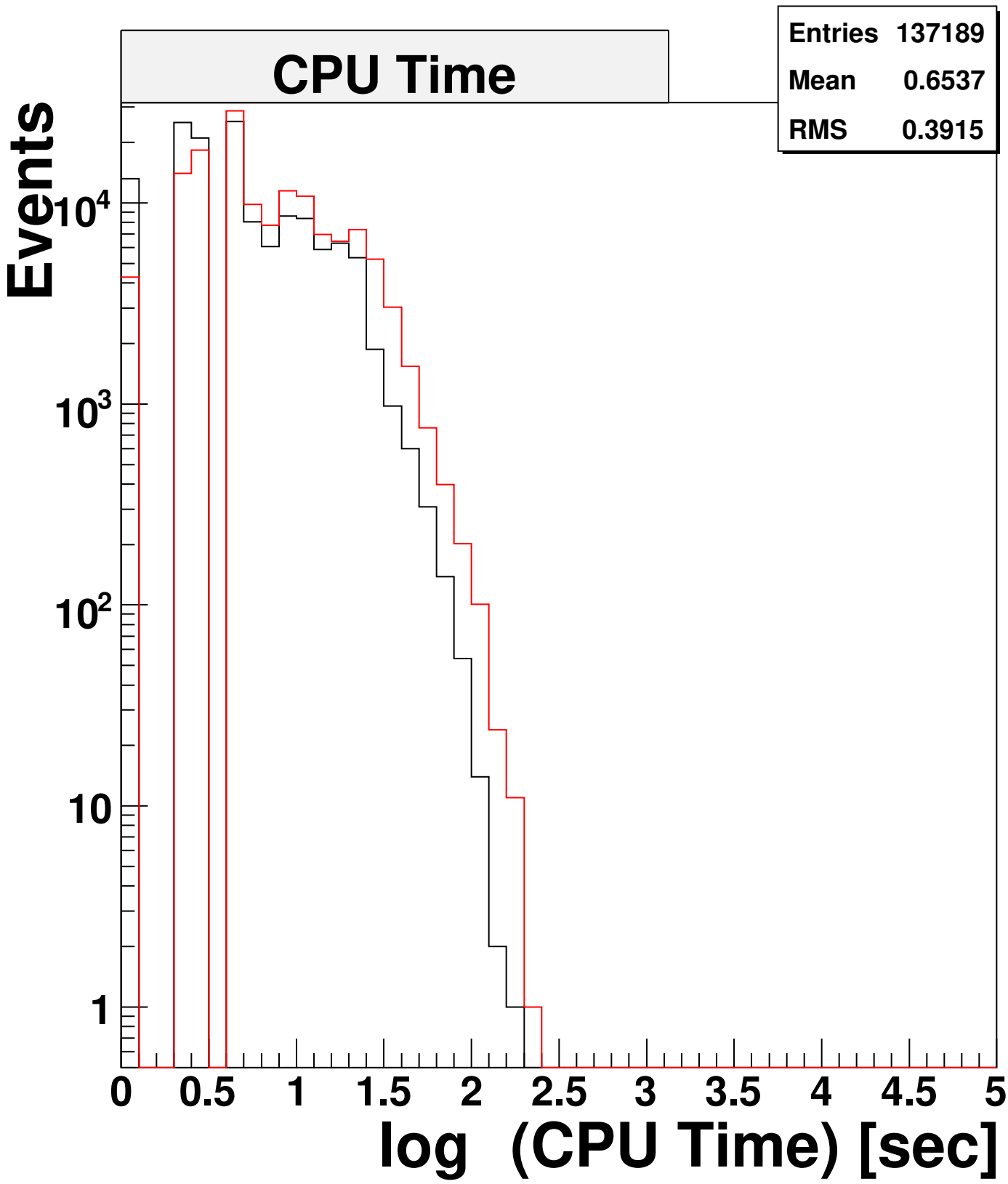








TES Turnon curves (L1CTT All)



RECO Performance (Timing)