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p201201b1_r238624.root

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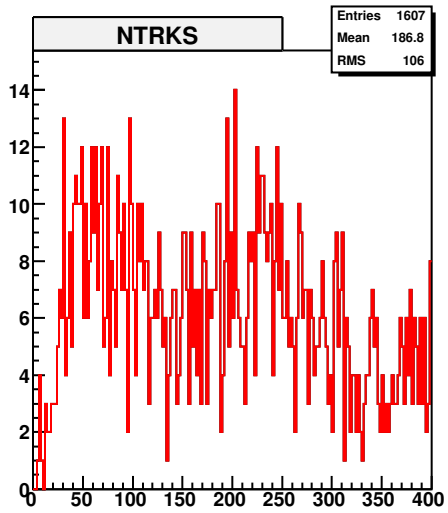
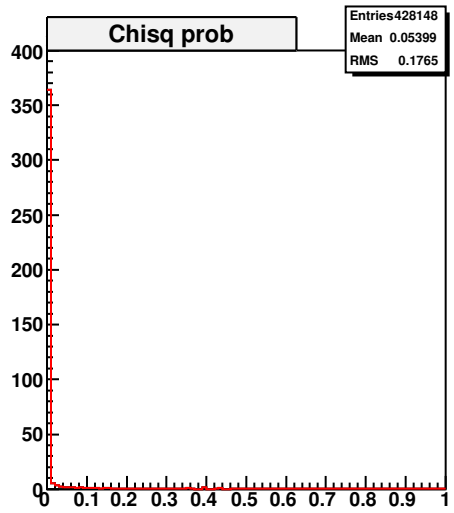
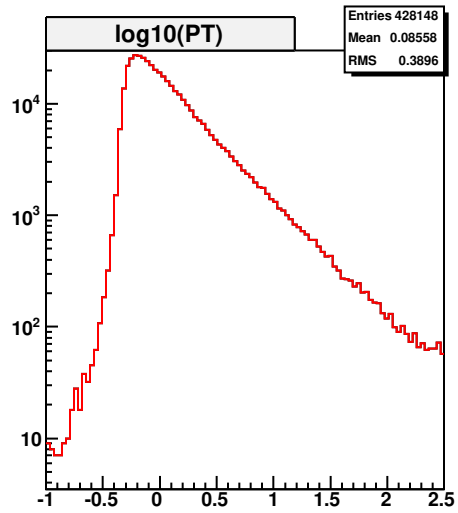

NTRKS
Entries 1607
Mean 186.8
RMS 106


Chisq prob
Entries 428148
Mean 0.05399
RMS 0.1765


log10(PT)
Entries 428148
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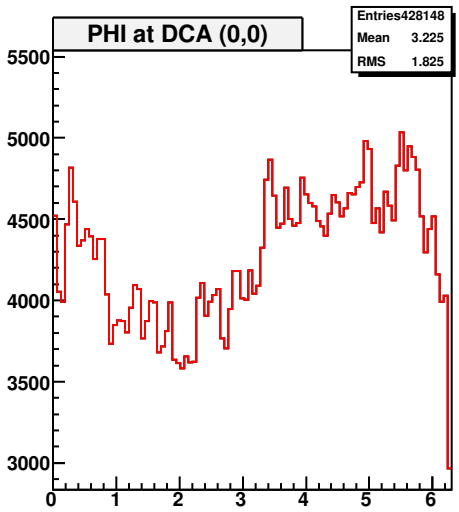
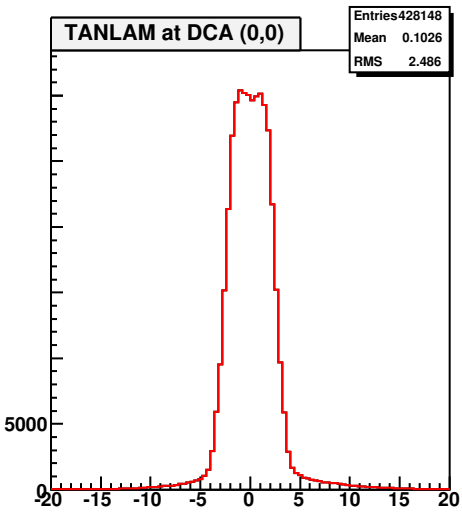
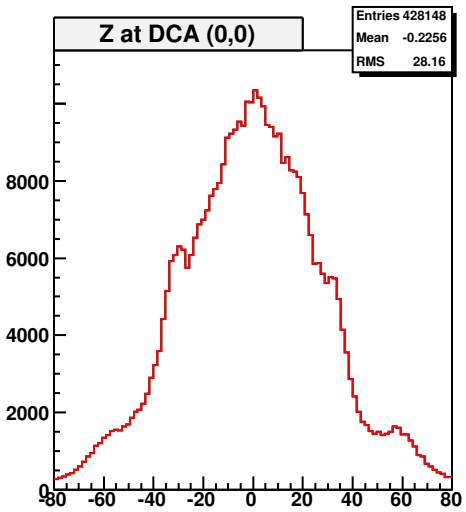
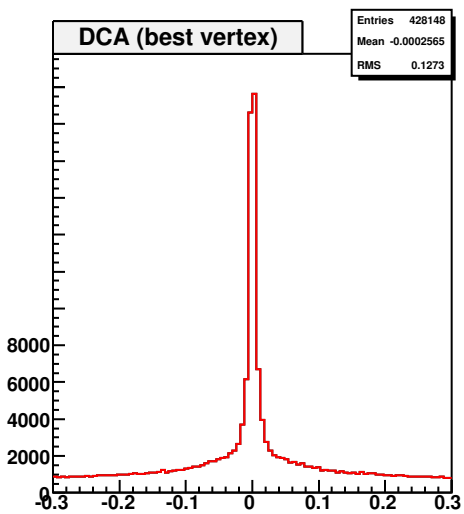
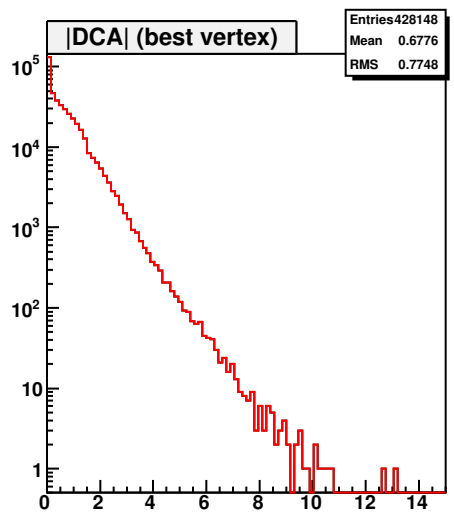
RMS 0.3896

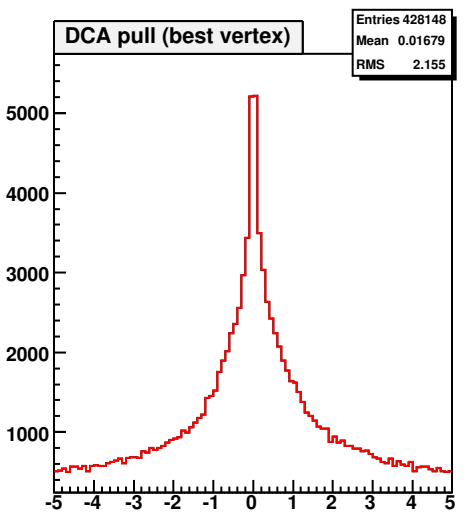

PHI at DCA (0,0)
Entries 428148
Mean 3.225
RMS 1.825


TANLAM at DCA (0,0)
Entries 428148
Mean 0.1026
RMS 2.486

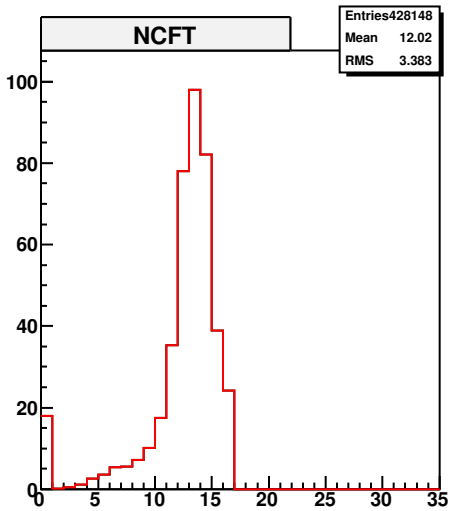

Z at DCA (0,0)
Entries 428148
Mean -0.2256
RMS 28.16

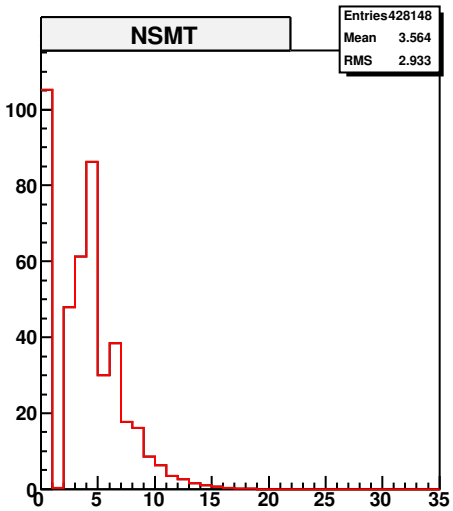

DCA (best vertex)
Entries 428148
Mean -0.0002565
RMS 0.1273

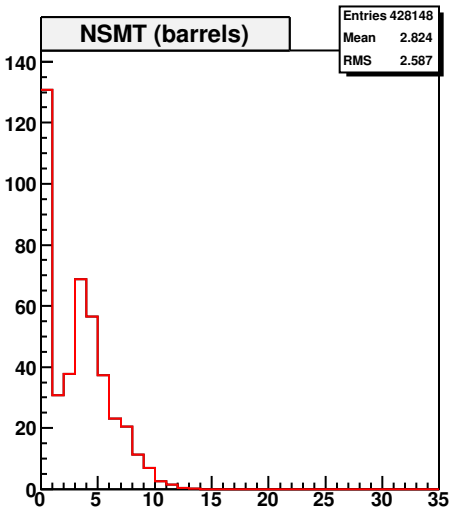

|DCA| (best vertex)
Entries 428148
Mean 0.6776
RMS 0.7748

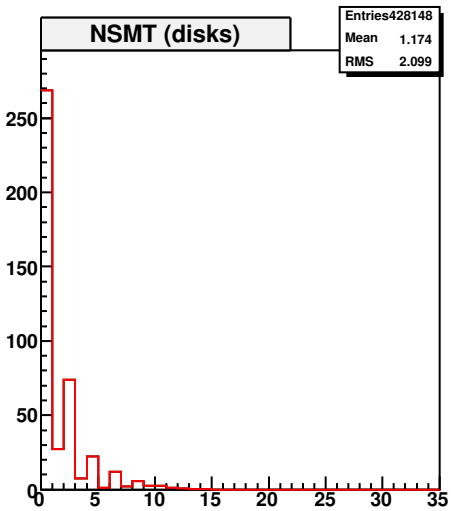

DCA pull (best vertex)
Entries 428148
Mean 0.01679
RMS 2.155

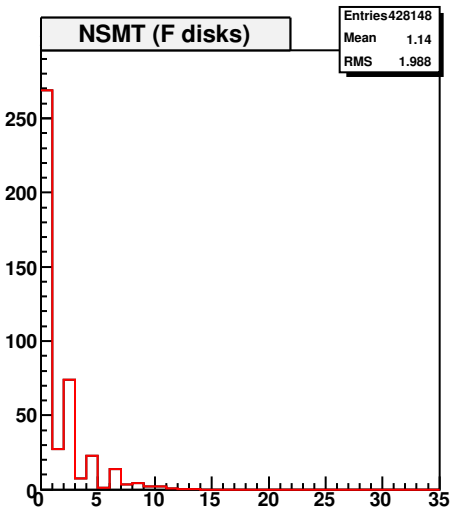
Tracks (All)

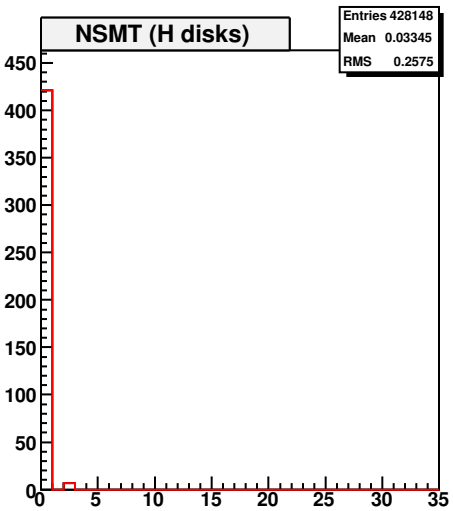


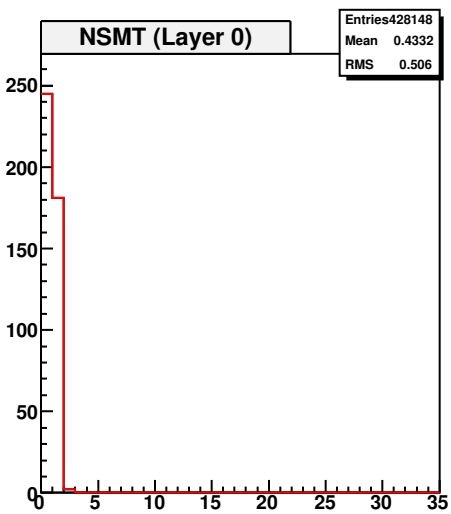




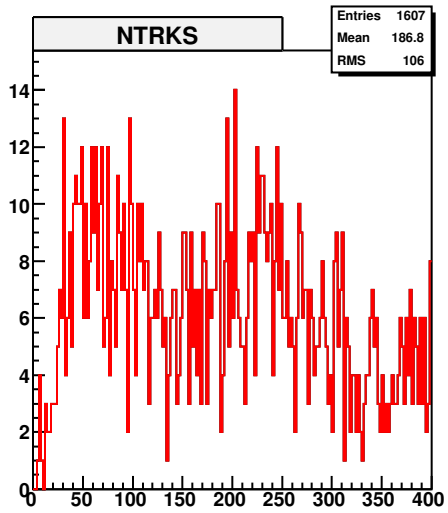


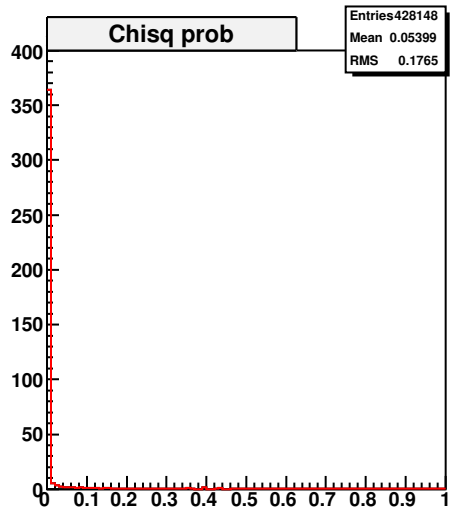


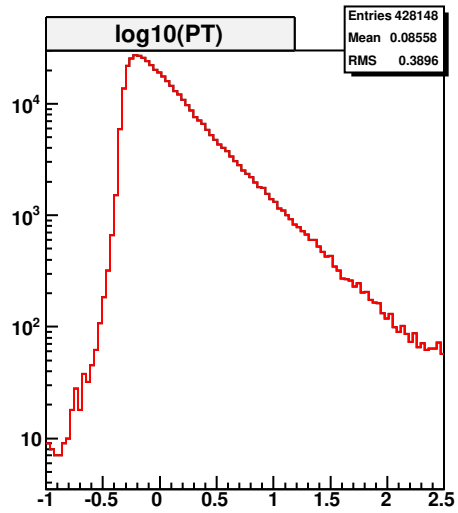


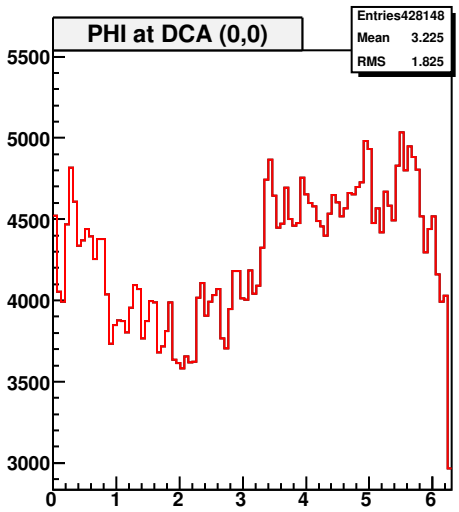


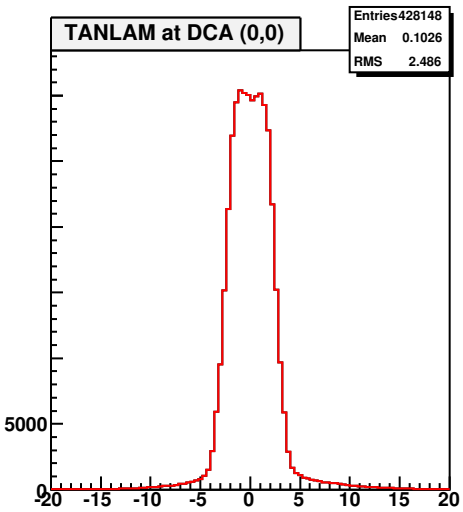
Track Hits (All)

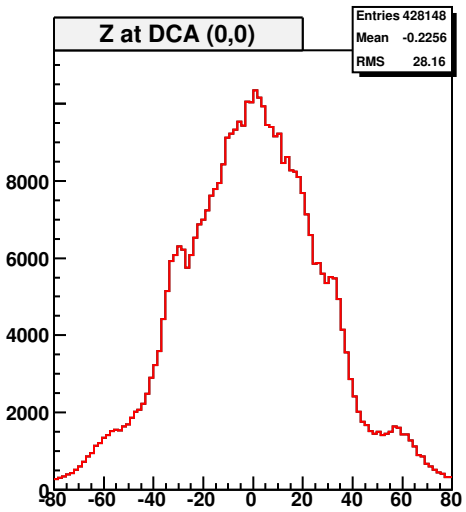


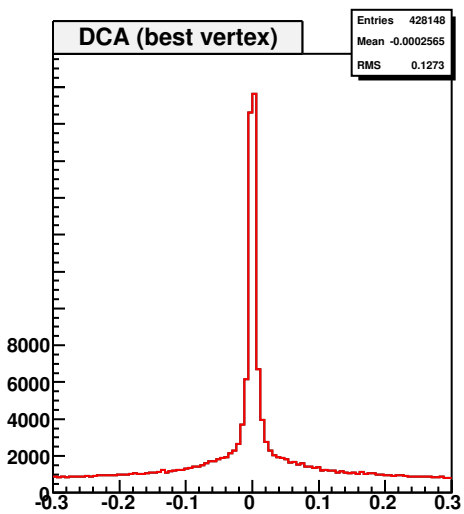


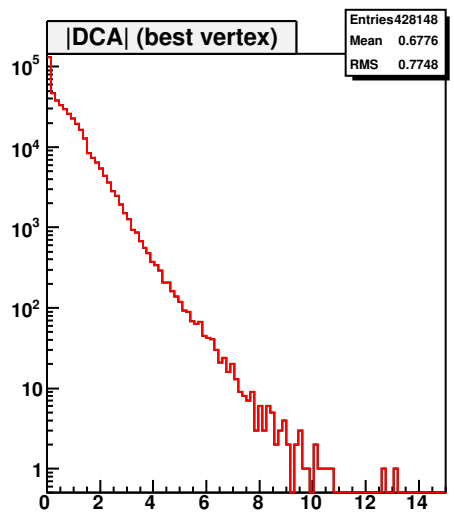


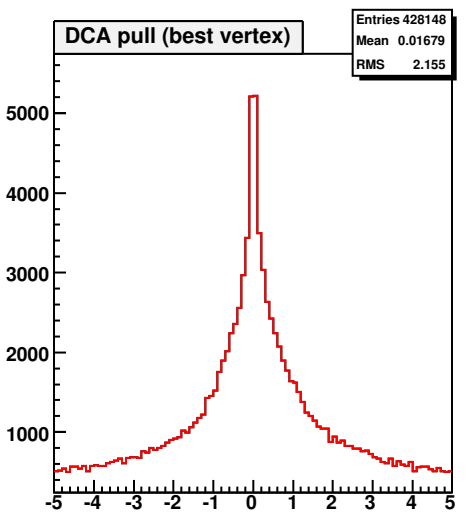




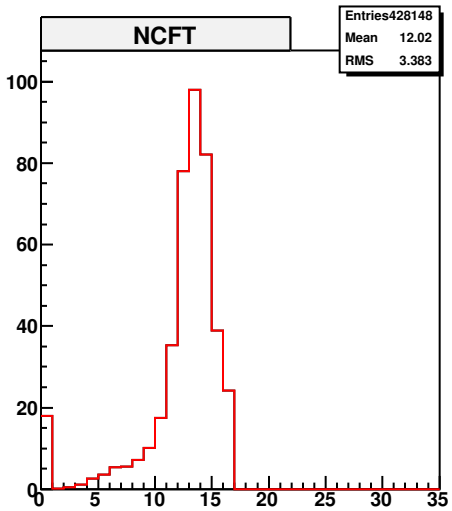


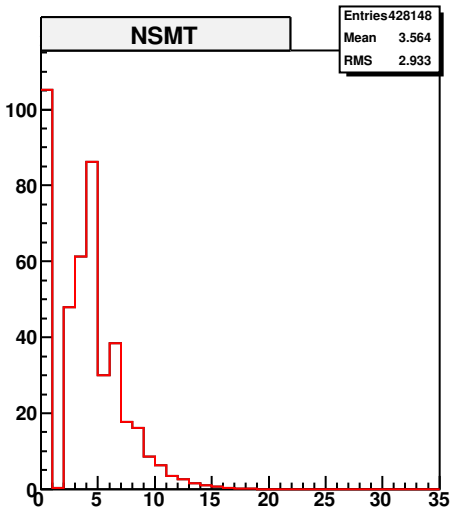


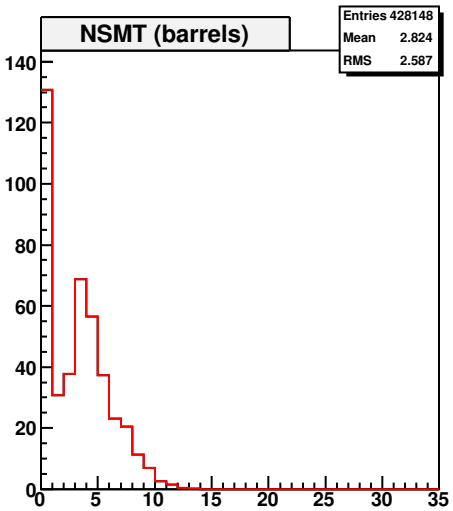


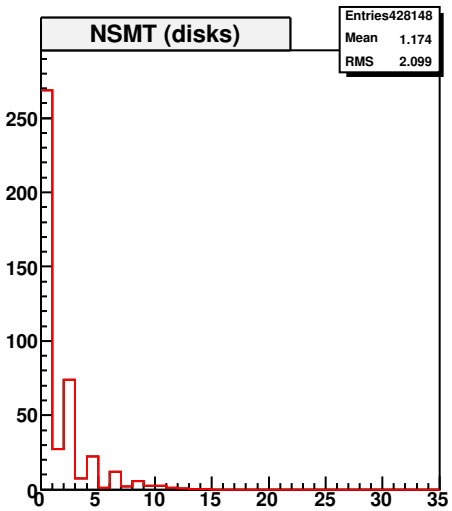


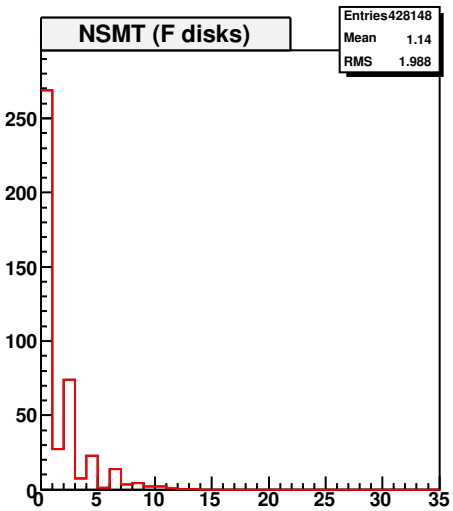
Tracks (Tight)

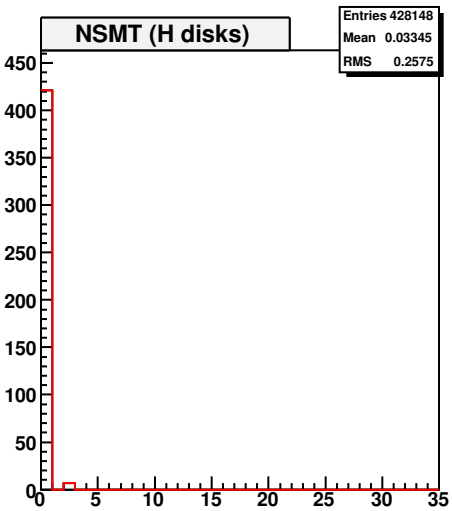


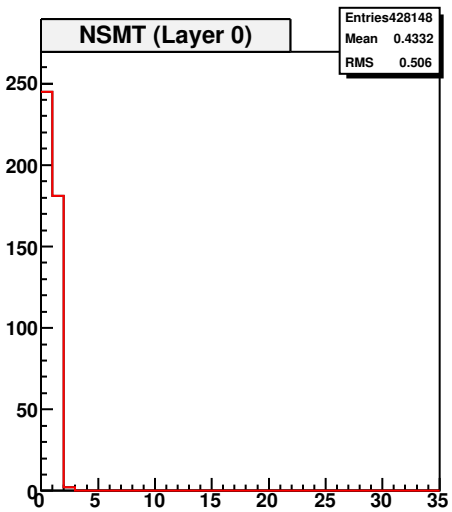




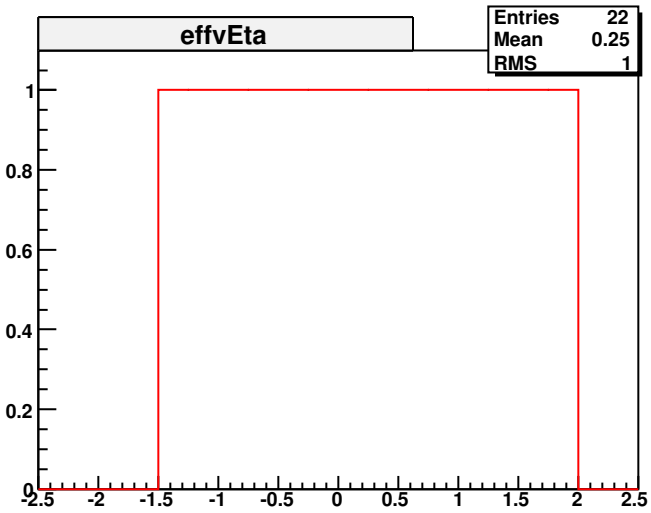


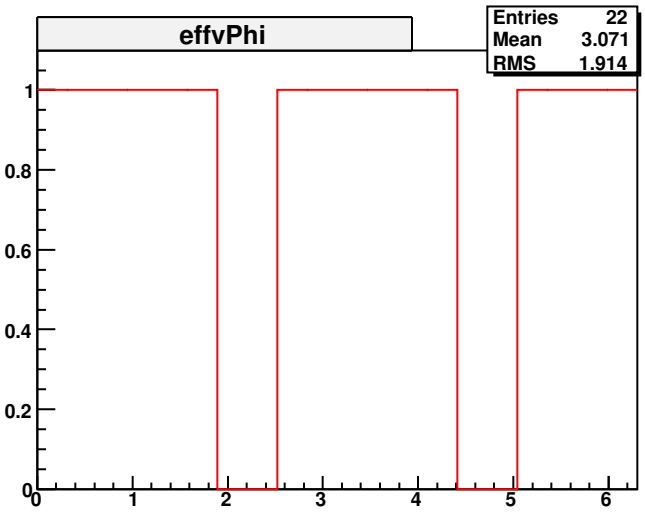


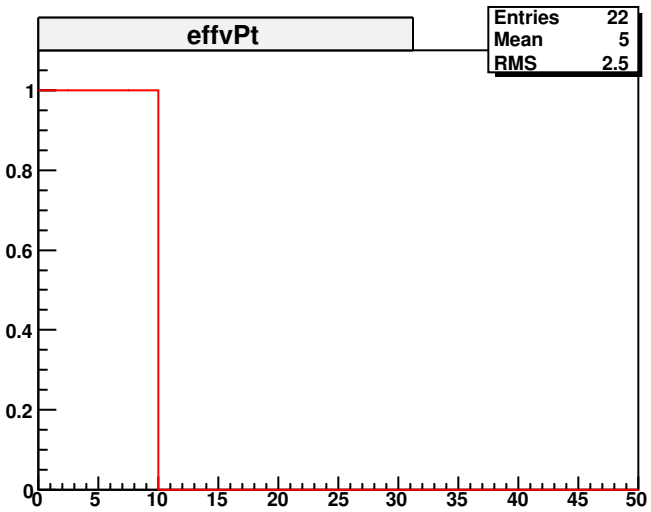


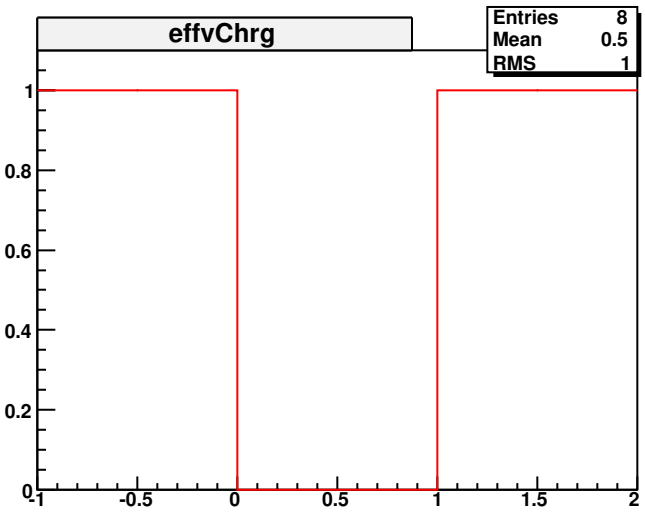


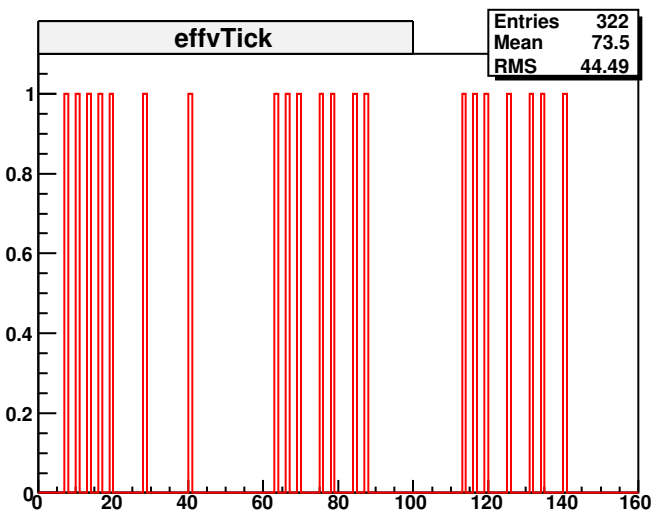
Track Hits (Tight)

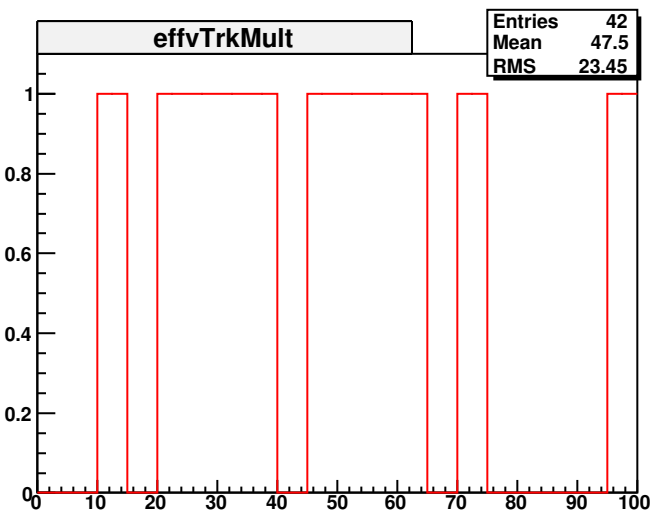




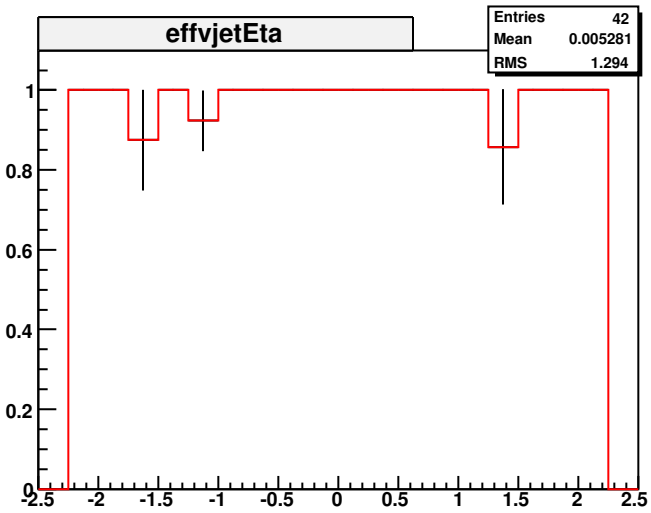


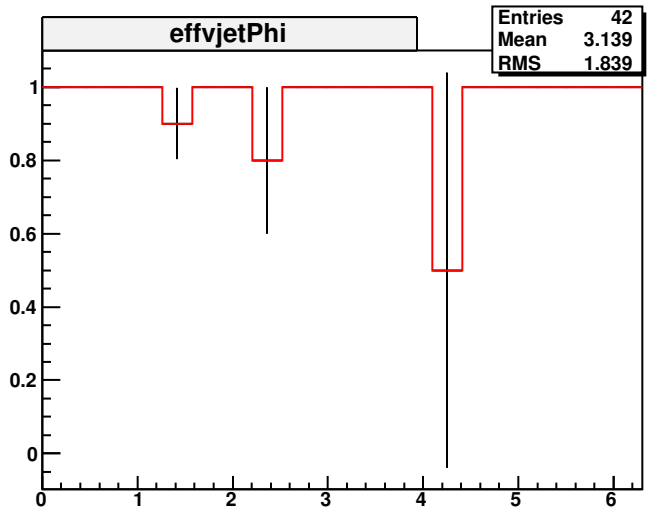


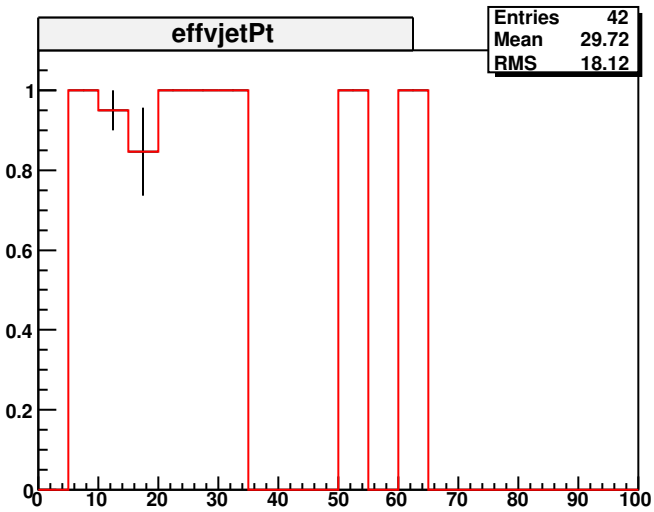




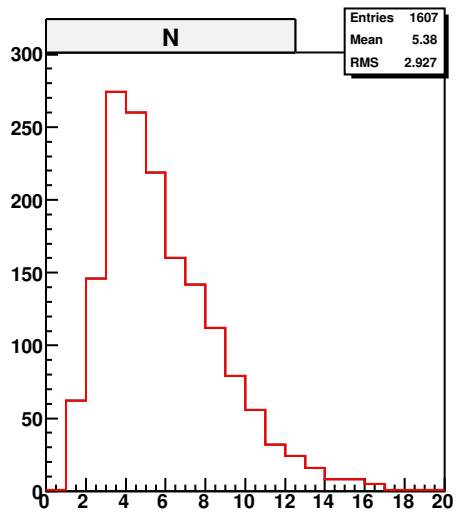
Tracking (Efficiency-Isolated)

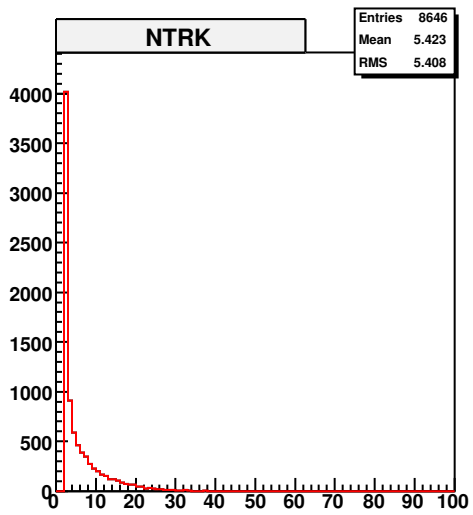


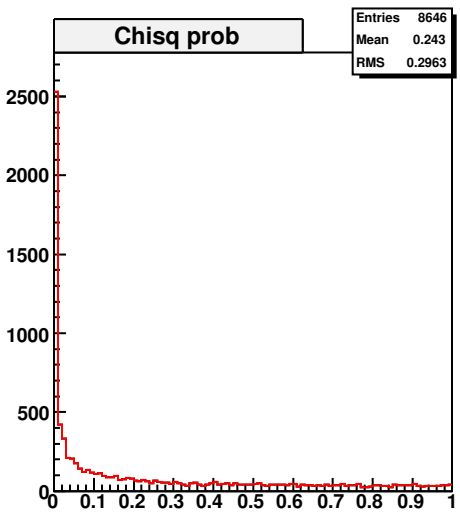


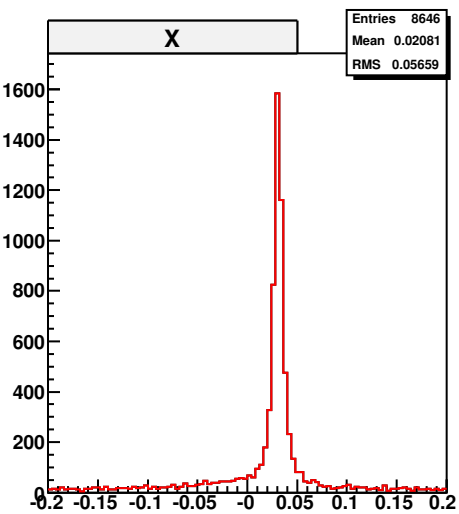


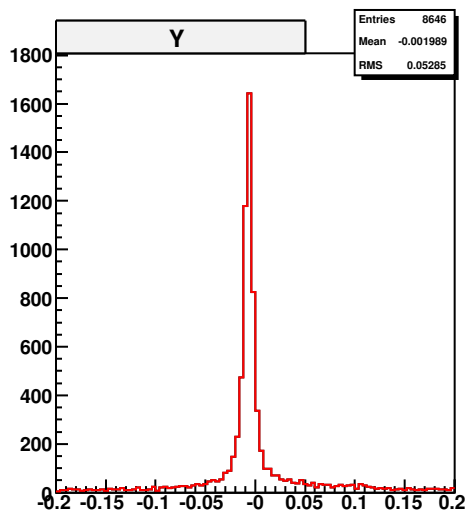
Tracking (Efficiency-InJets)

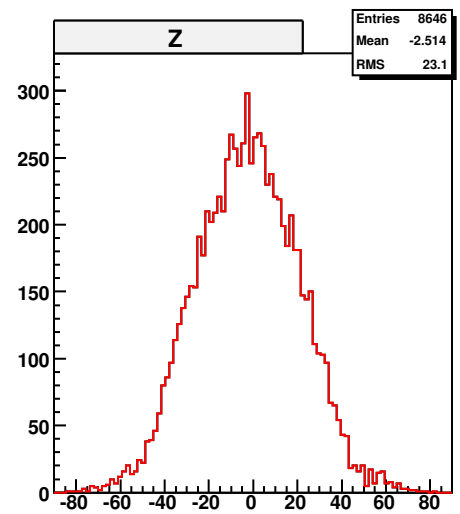


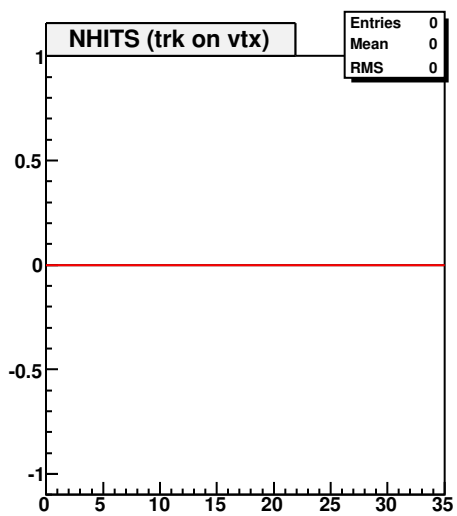


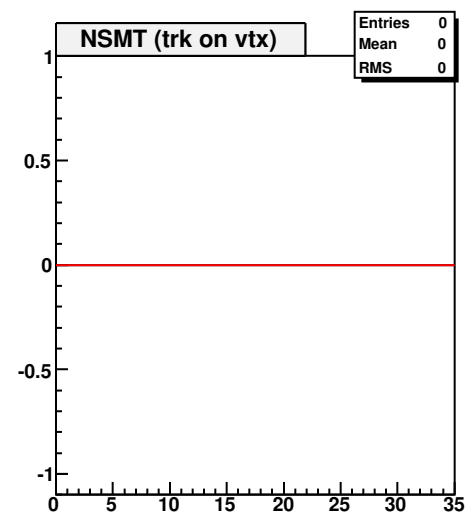


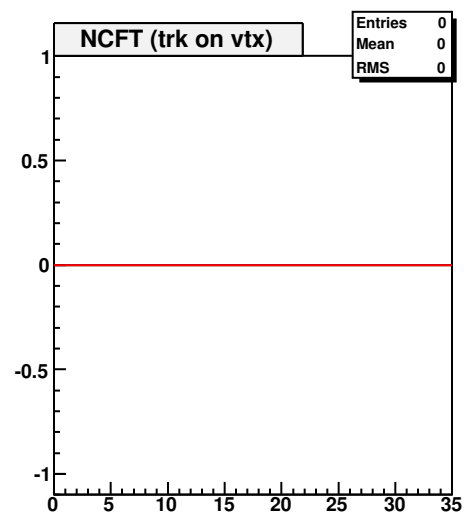




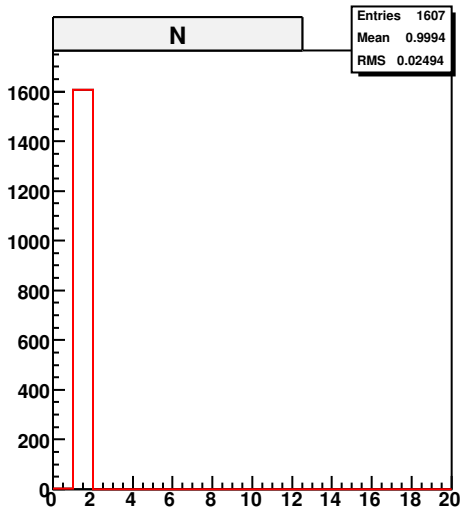


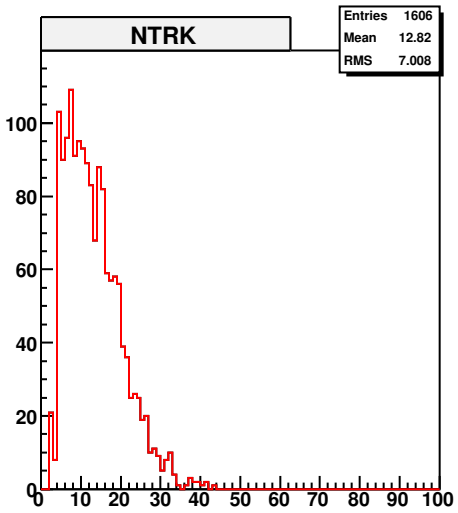


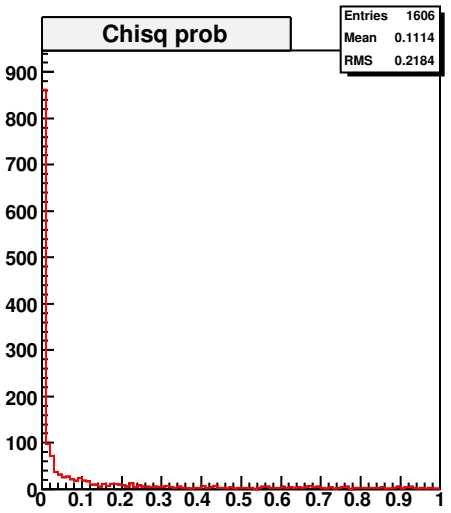


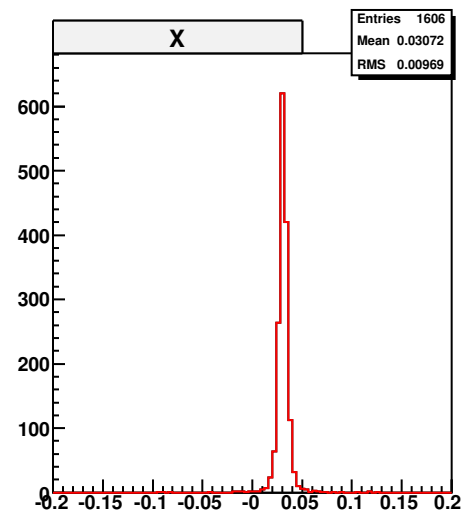


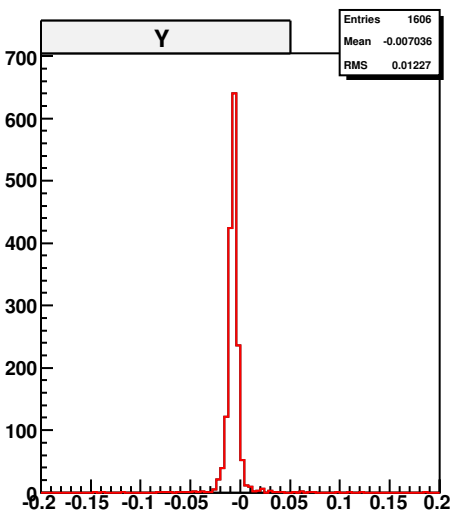
Vertices (Primary - all candidates)

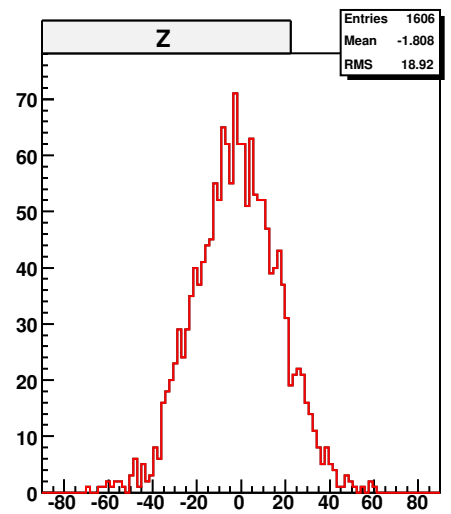


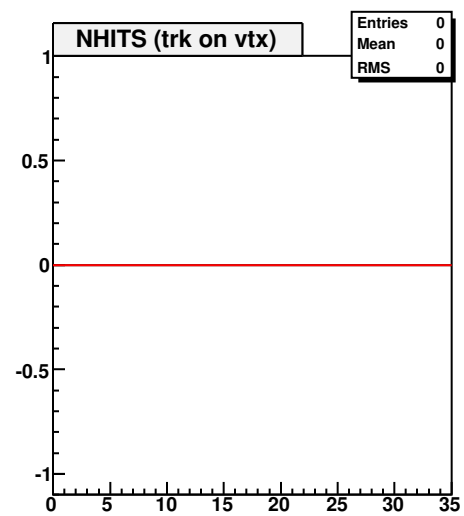


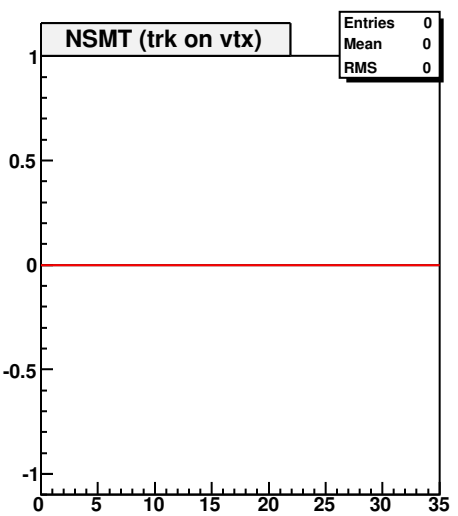


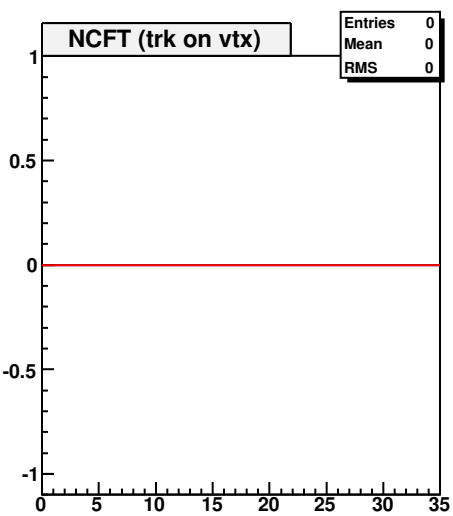




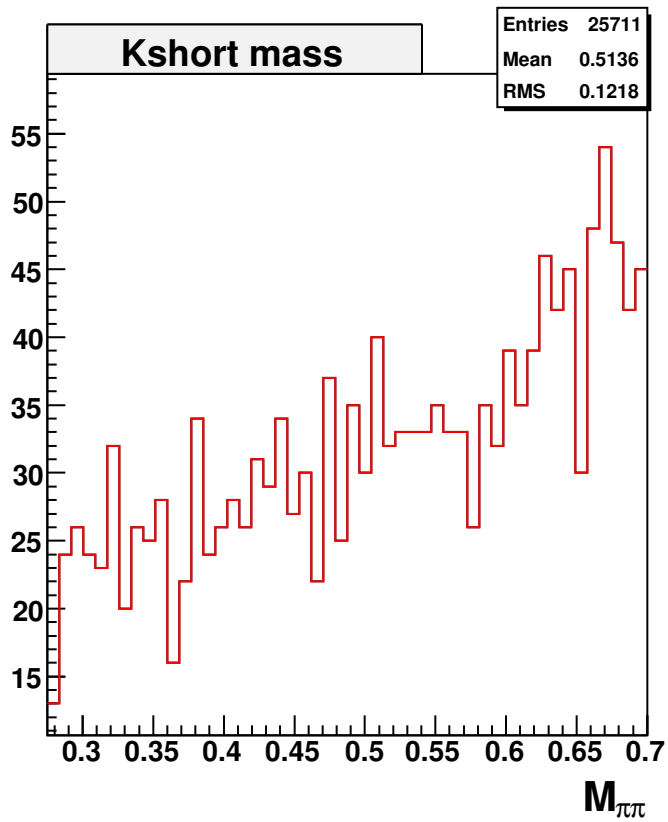


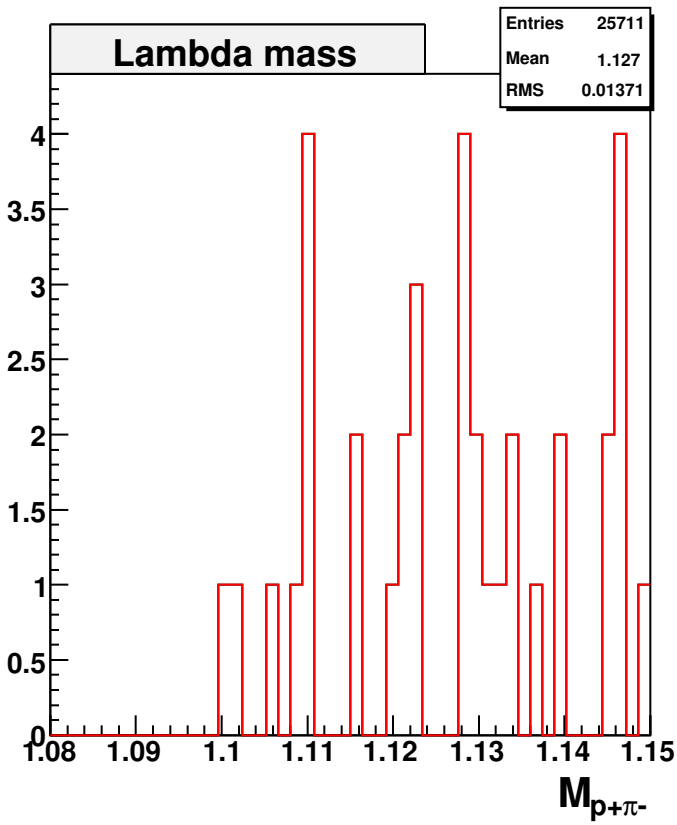


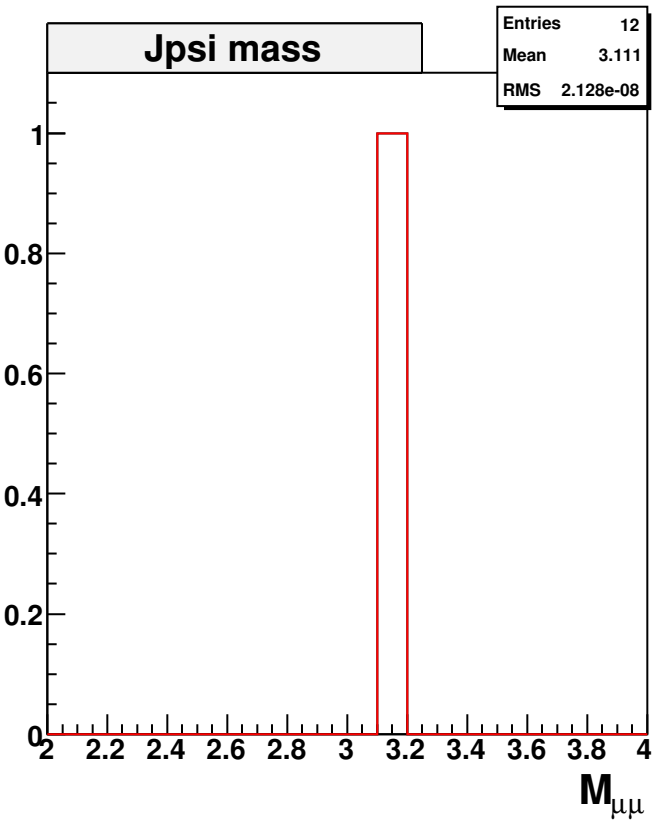


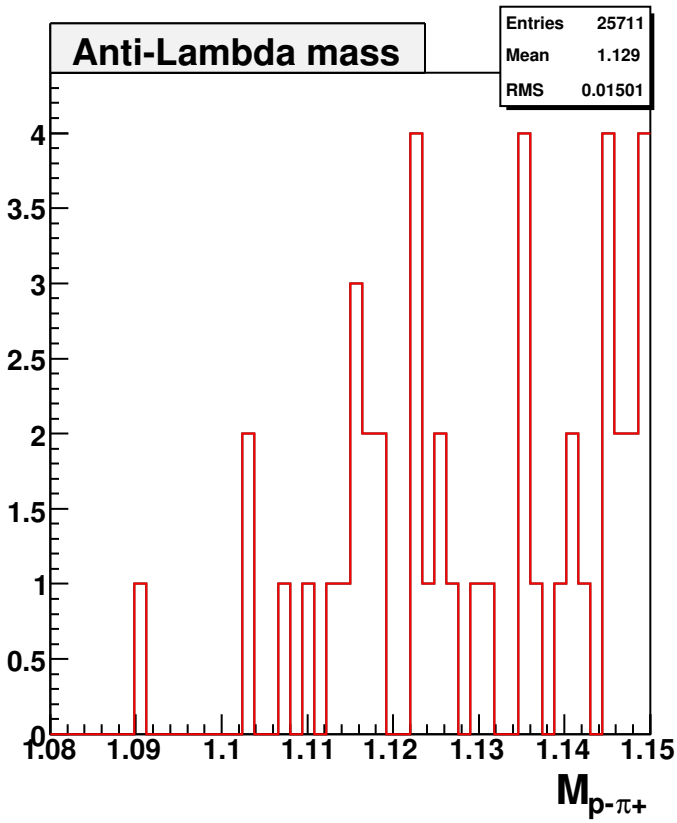


Vertices (Primary - best)

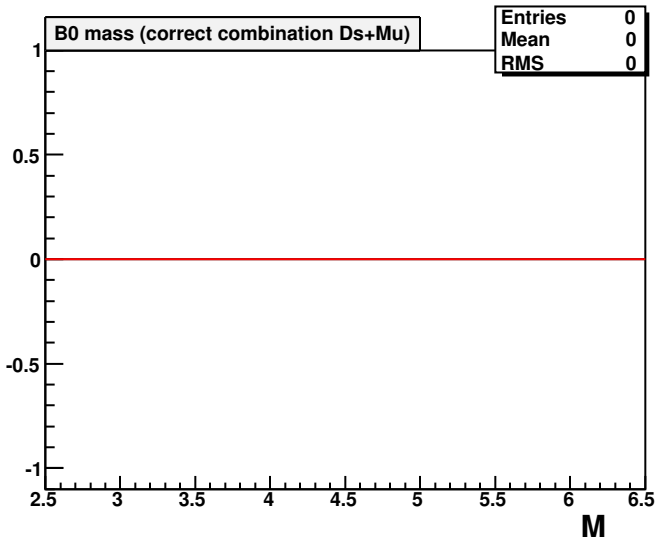

Kshort mass
Entries 25711
Mean 0.5136
RMS 0.1218
55
50
45
40
35
30
25
20
15
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
Mππ

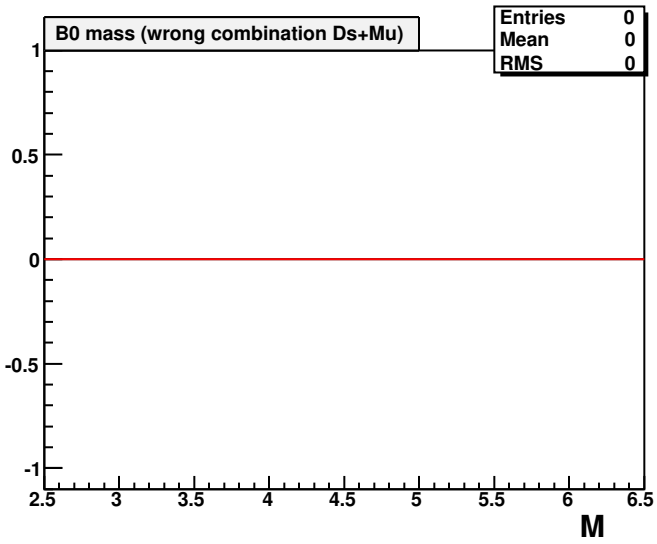

Lambda mass
Entries 25711
Mean 1.127
RMS 0.01371
4
3.5
3
2.5
2
1.5
1
0.5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp+π-

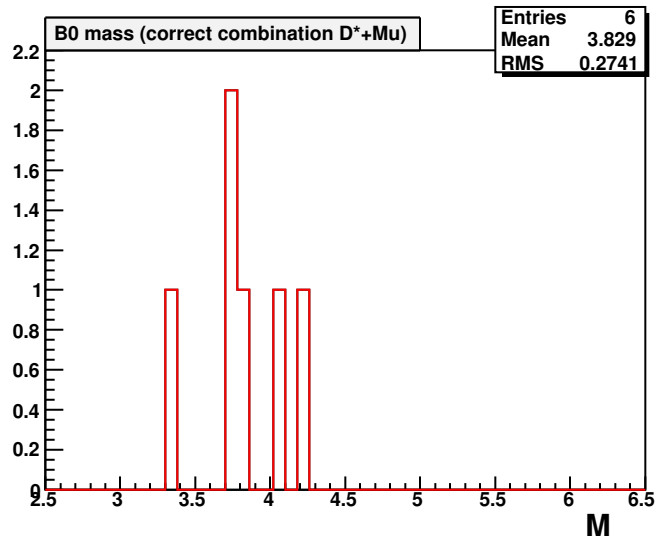

Jpsi mass
Entries 12
Mean 3.111
RMS 2.128e-08
1
0.8
0.6
0.4
0.2
0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
Mμμ

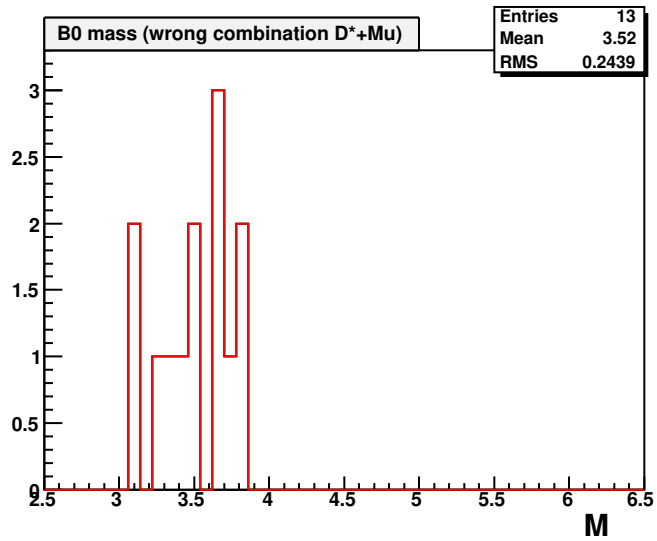

Anti-Lambda mass
Entries 25711
Mean 1.129
RMS 0.01501
4
3.5
3
2.5
2
1.5
1
0.5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp-π+

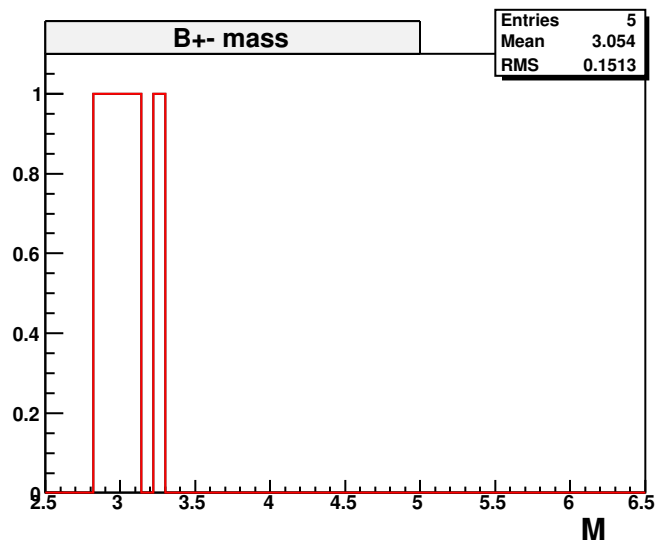
V0 (All)



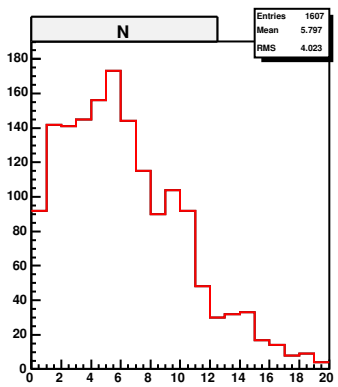


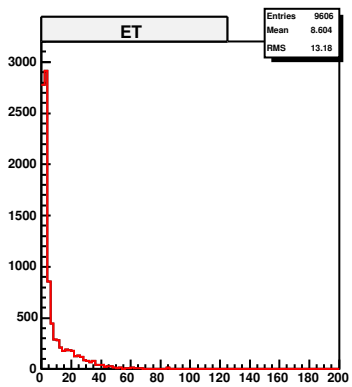


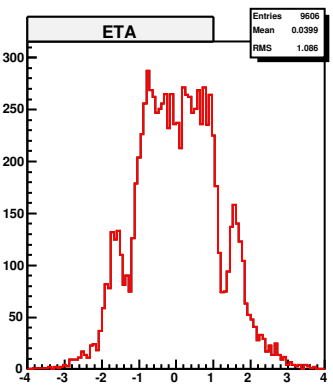


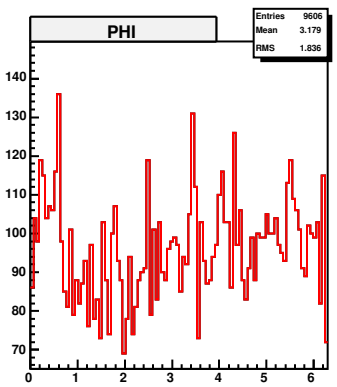


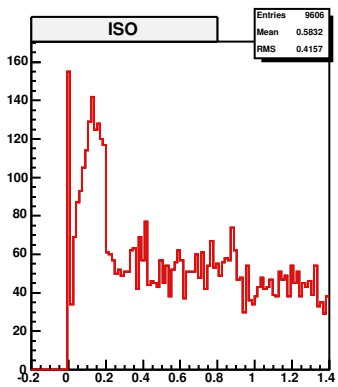
V0(B mesons) (All)

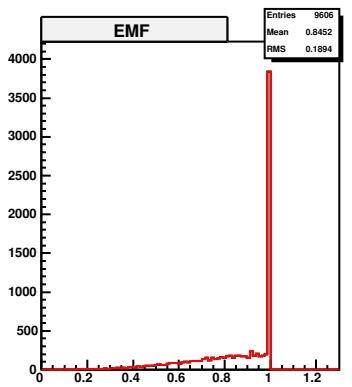


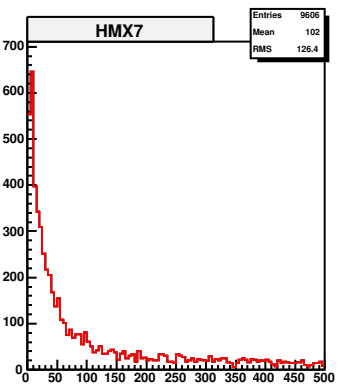


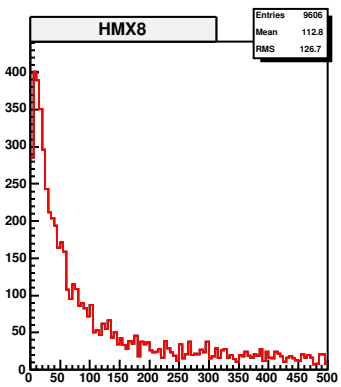


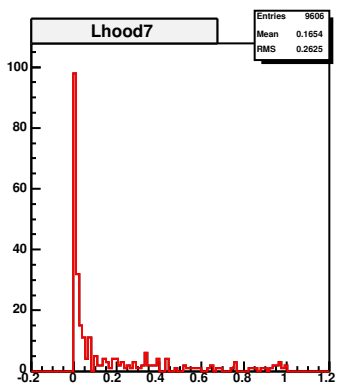


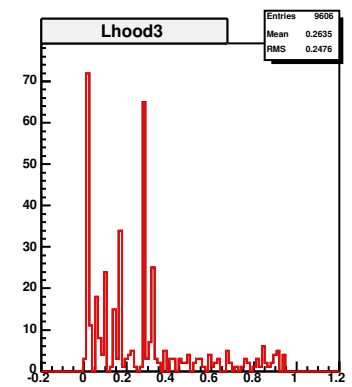


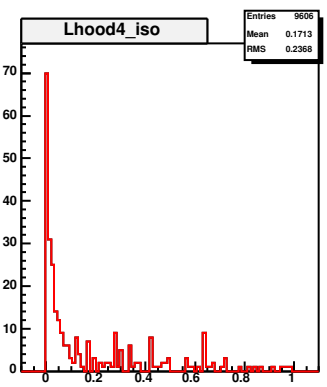


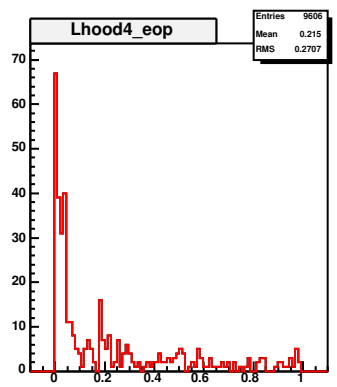


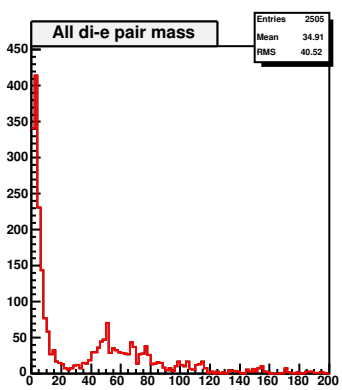


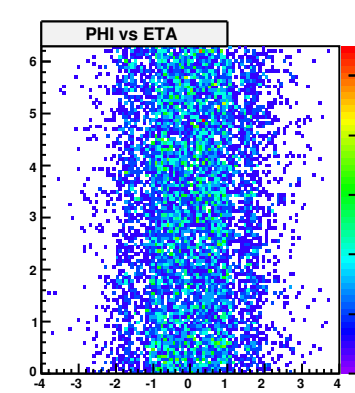


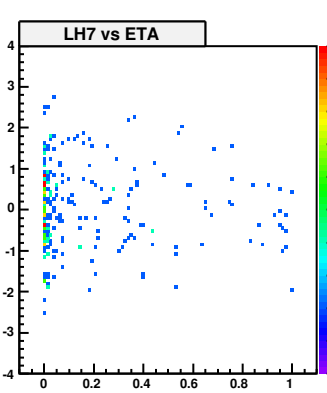


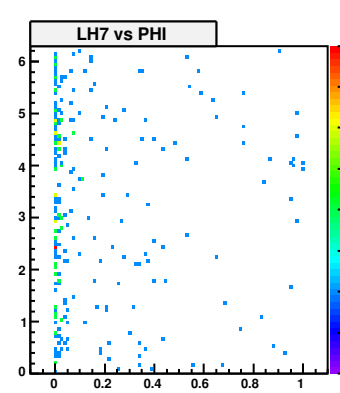




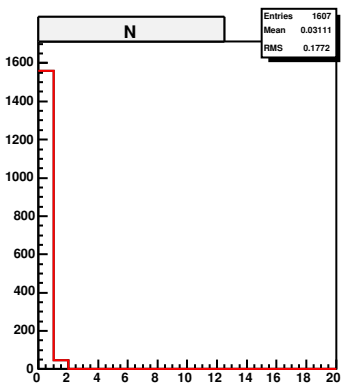


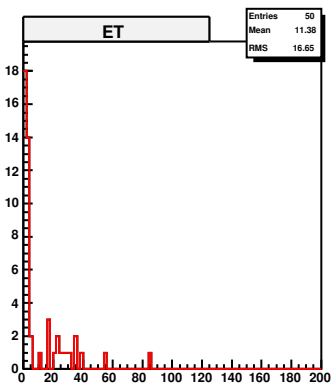


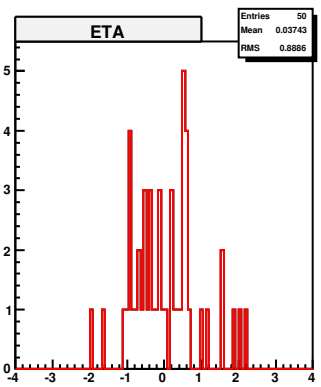


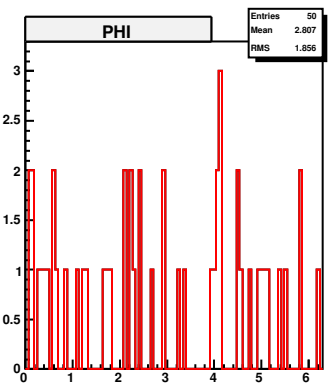


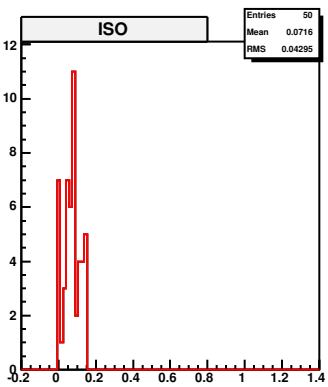
Electrons (SCONE All)

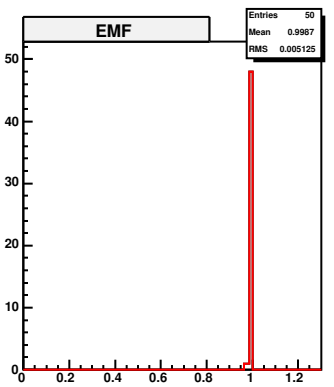


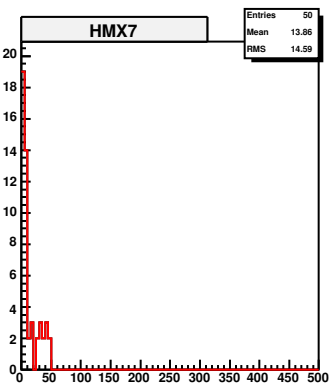


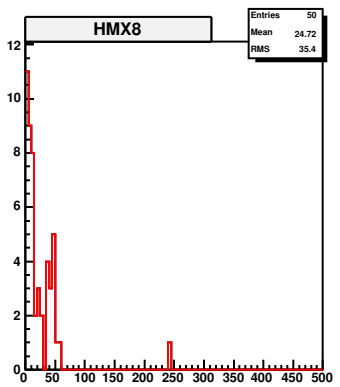


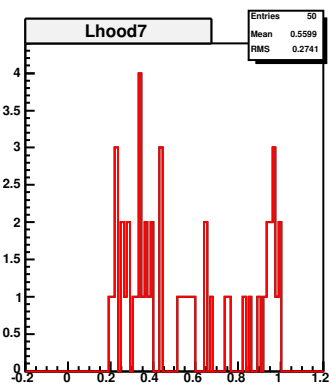


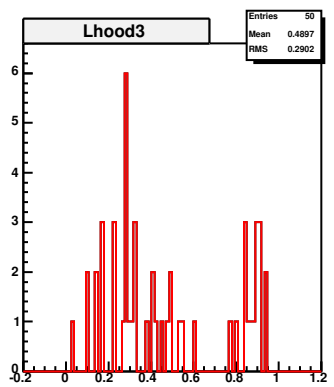


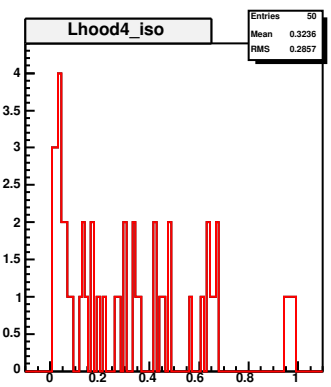


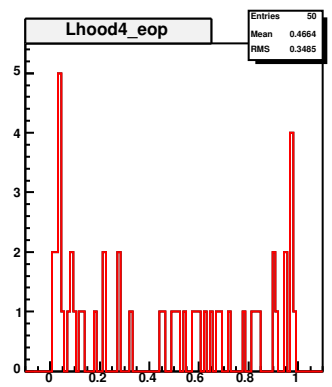


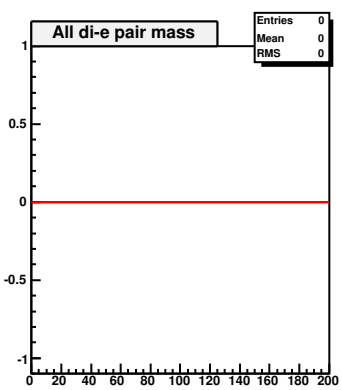


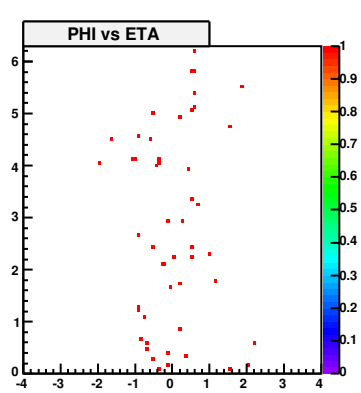


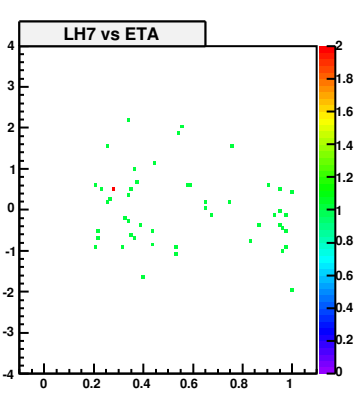


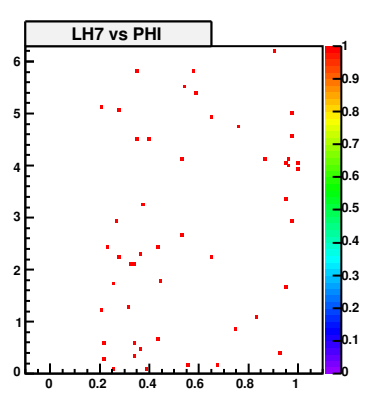




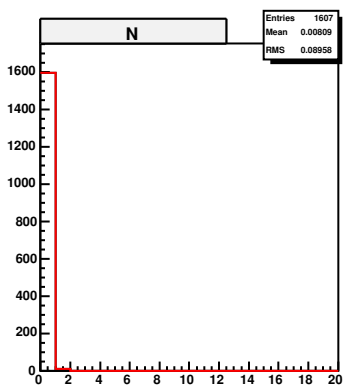


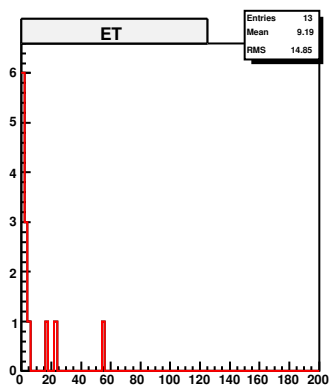


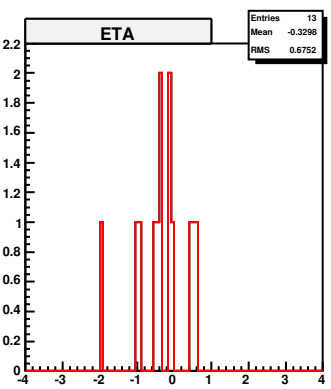


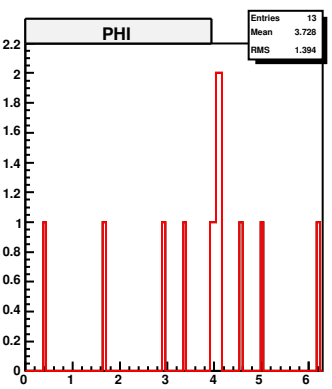


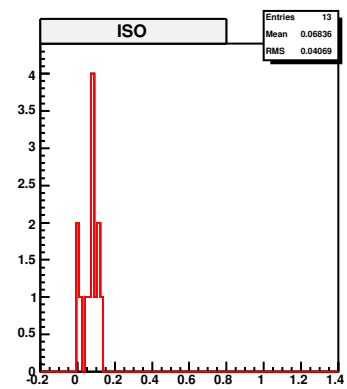
Electrons (SCONE Loose)

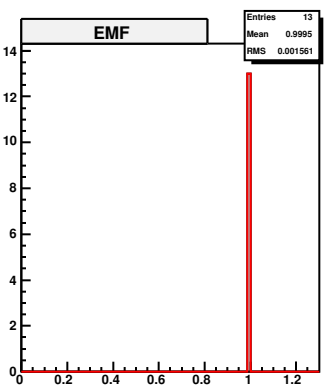


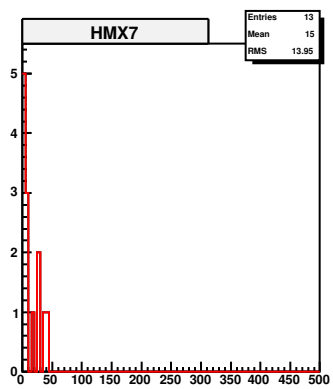


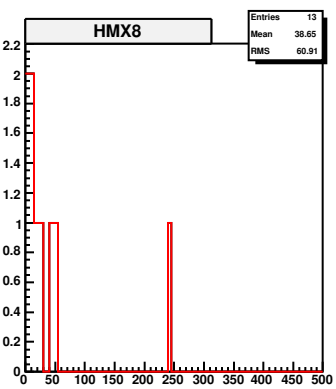


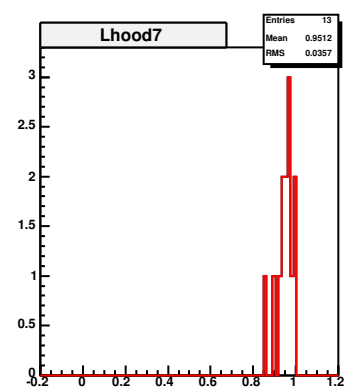


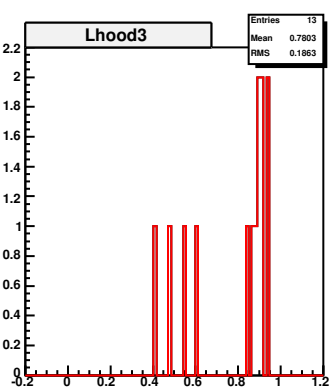


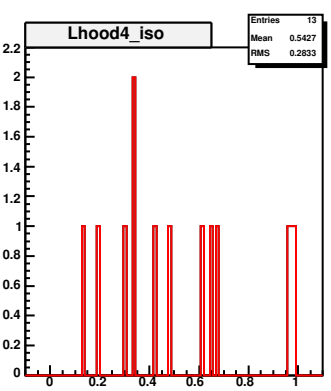


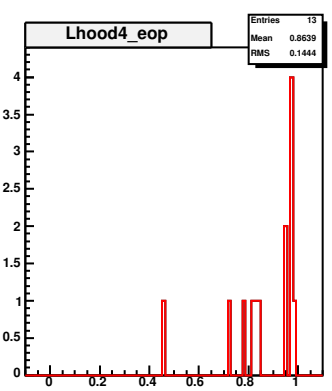


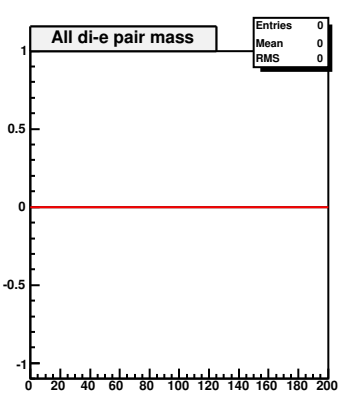


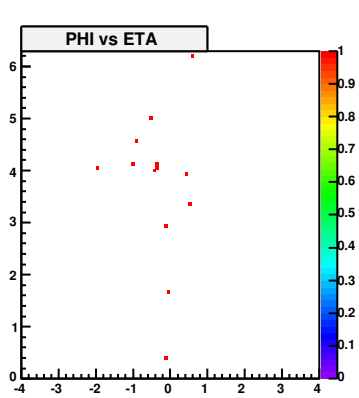


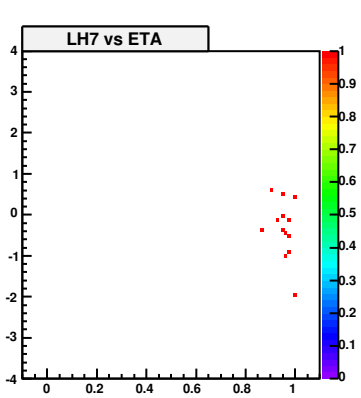


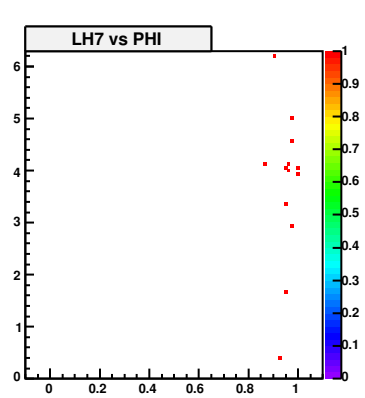




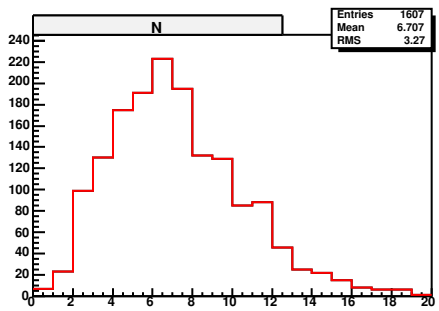


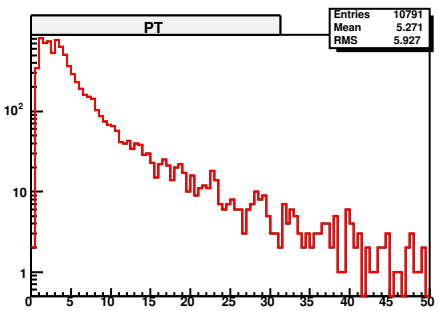


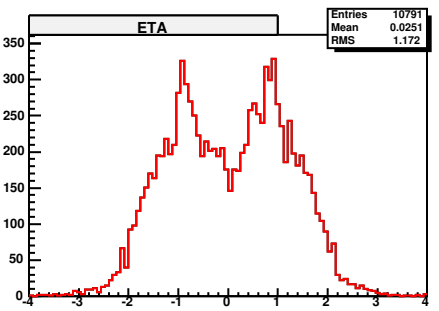


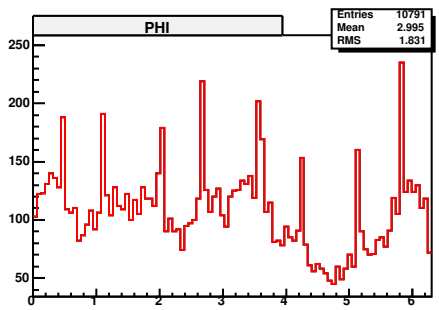


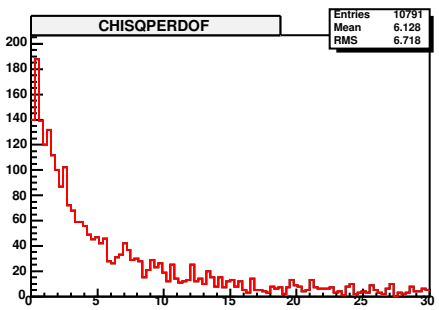
Electrons (SCONE Tight)

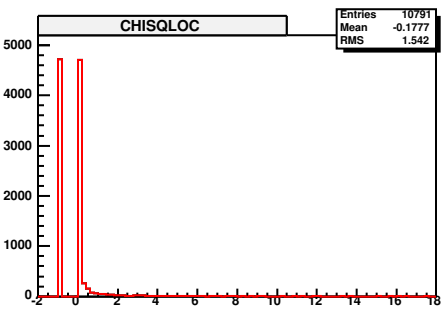

N
Entries 1607
Mean 6.707
RMS 3.27

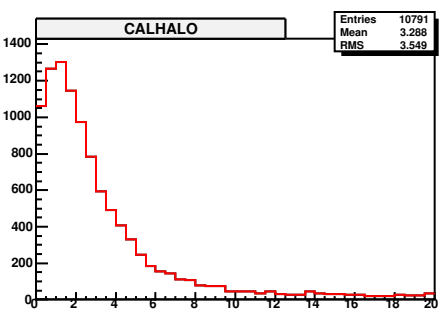

PT
Entries 10791
Mean 5.271
RMS 5.927

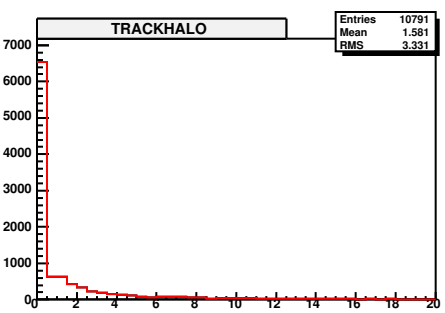

ETA
Entries 10791
Mean 0.0251
RMS 1.172

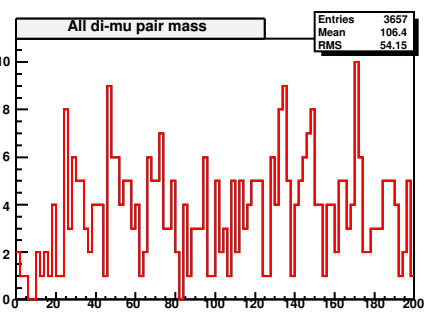

PHI
Entries 10791
Mean 2.995
RMS 1.831

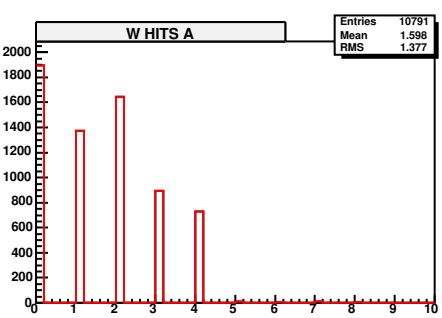

CHISQPERDOF
Entries 10791
Mean 6.128
RMS 6.718

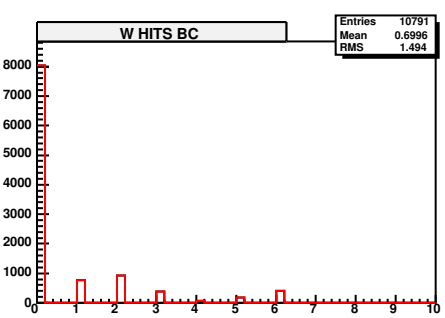

CHISQLOC
Entries 10791
Mean -0.1777
RMS 1.542

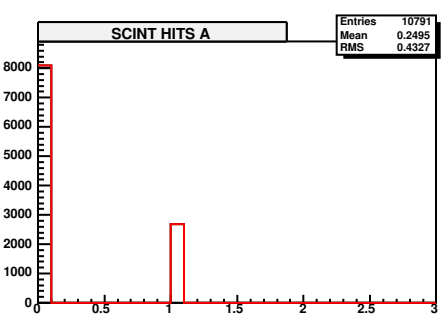

CALHALO
Entries 10791
Mean 3.288
RMS 3.549

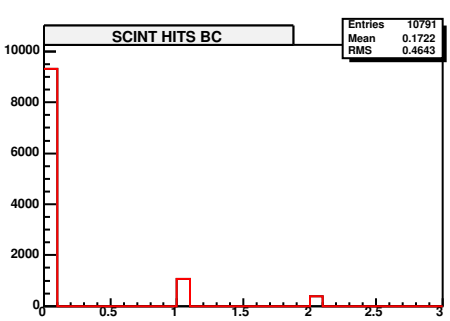

TRACKHALO
Entries 10791
Mean 1.581
RMS 3.331


All di-mu pair mass
Entries 3657
Mean 106.4
RMS 54.15

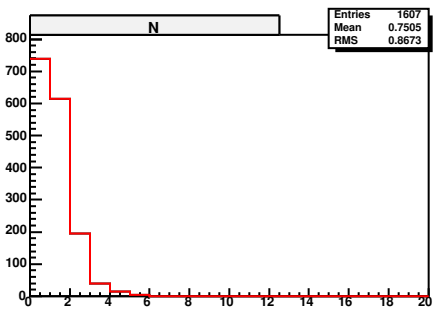

W HITS A
Entries 10791
Mean 1.598
RMS 1.377

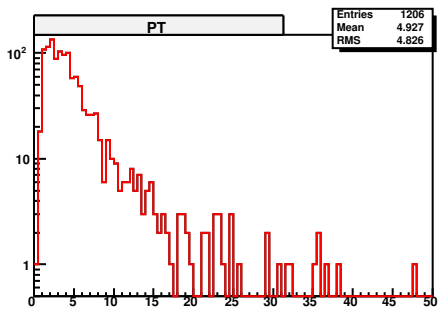

W HITS BC
Entries 10791
Mean 0.6996
RMS 1.494

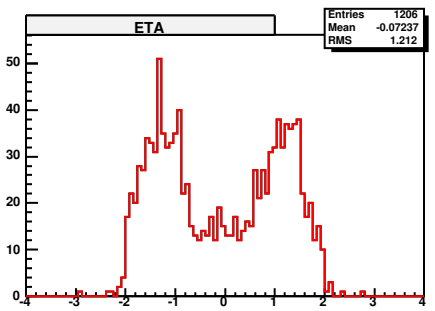

SCINT HITS A
Entries 10791
Mean 0.2495
RMS 0.4327

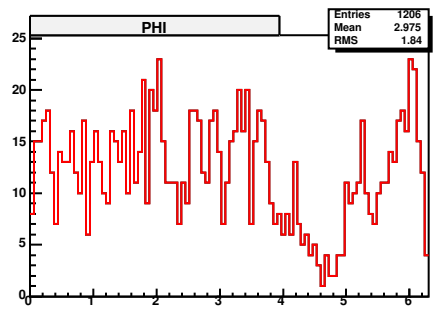

SCINT HITS BC
Entries 10791
Mean 0.1722
RMS 0.4643

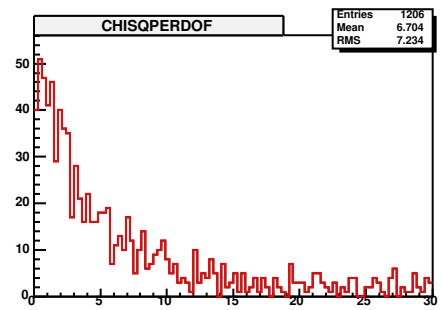
Muons (All)

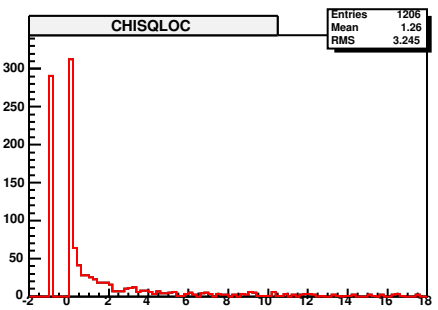


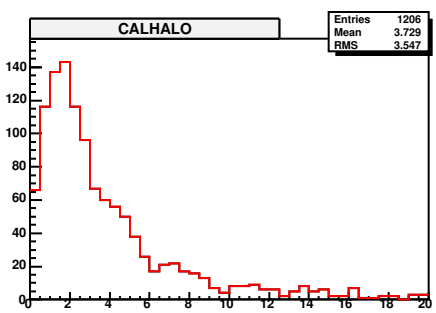


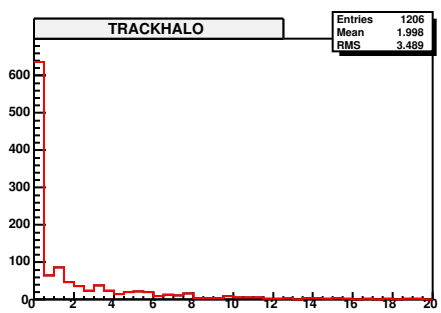


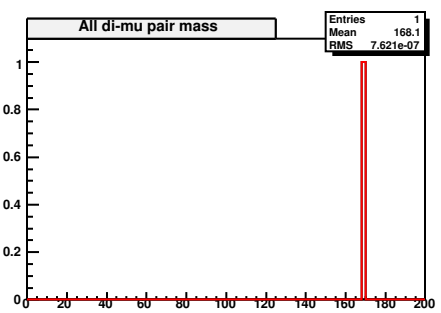


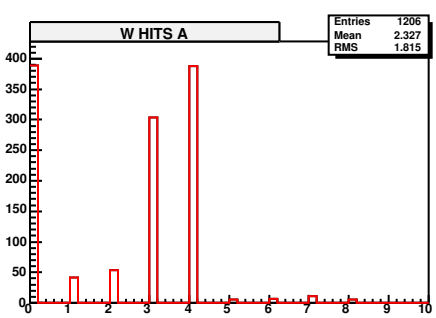


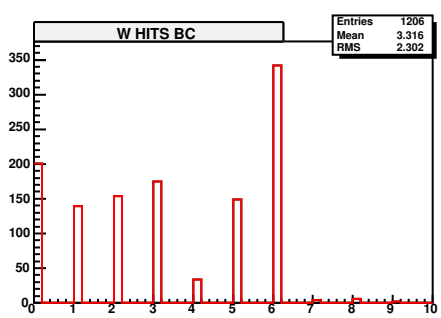


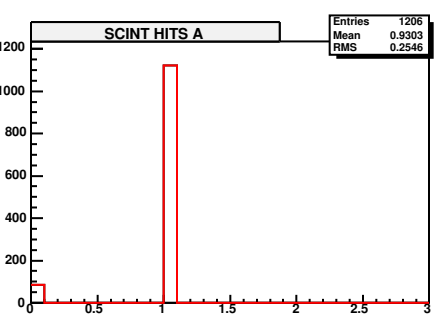


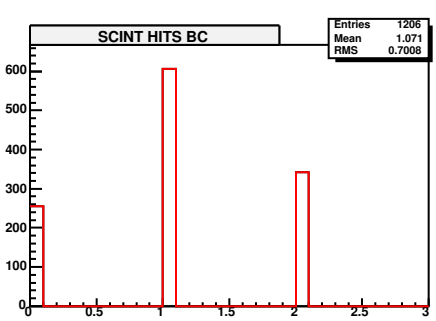




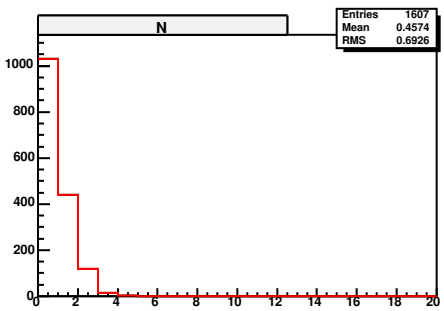


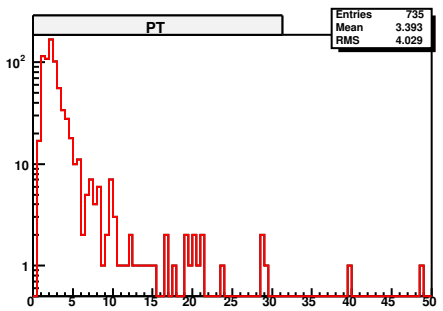


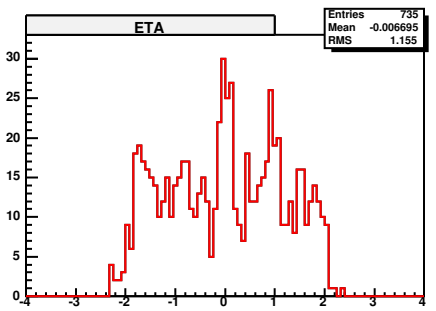


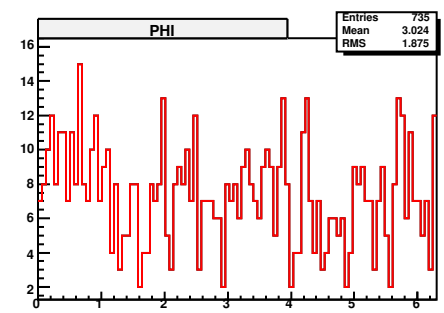


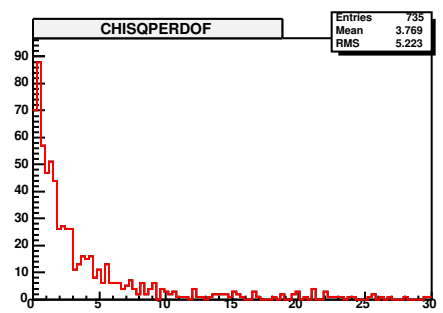
Muons (Matched)

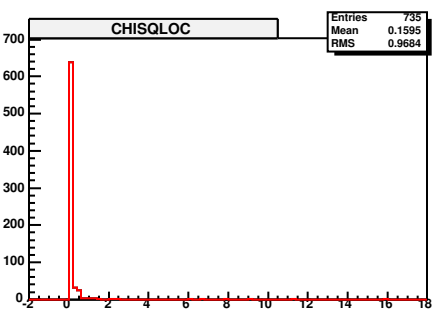

N
Entries 1607
Mean 0.4574
RMS 0.6926

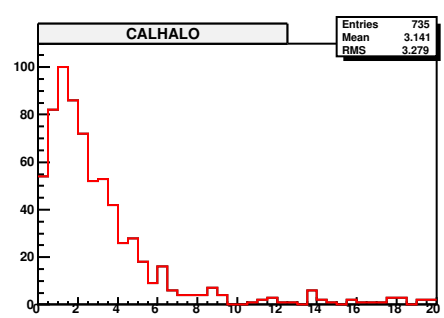

PT
Entries 735
Mean 3.393
RMS 4.029

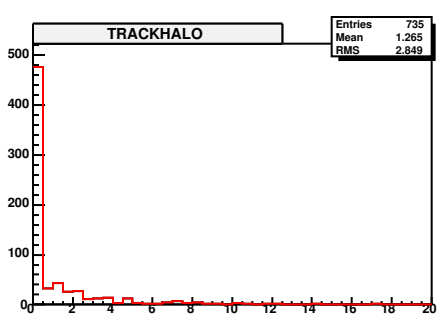

ETA
Entries 735
Mean -0.006695
RMS 1.155

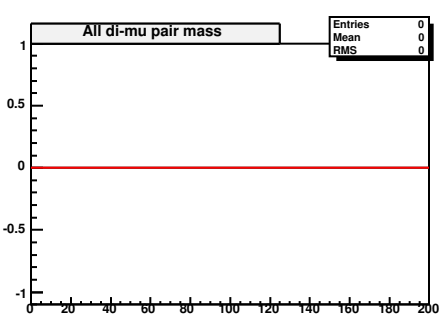

PHI
Entries 735
Mean 3.024
RMS 1.875

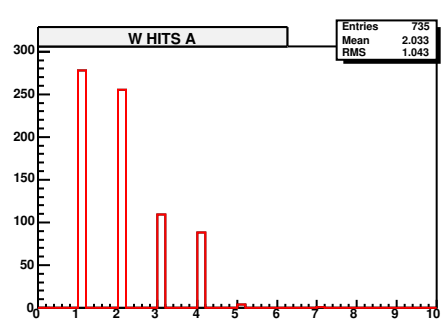

CHISQPERDOF
Entries 735
Mean 3.769
RMS 5.223

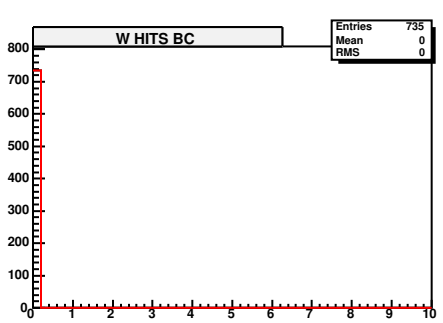

CHISQLOC
Entries 735
Mean 0.1595
RMS 0.9684

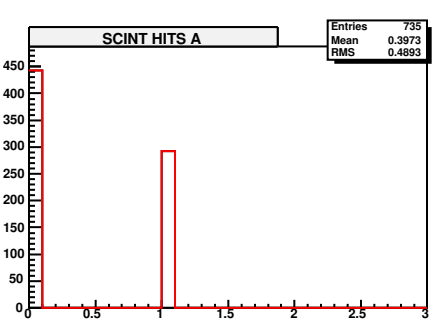

CALHALO
Entries 735
Mean 3.141
RMS 3.279

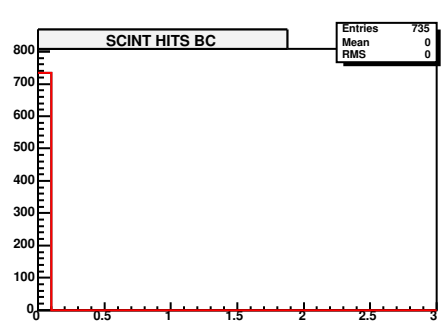

TRACKHALO
Entries 735
Mean 1.265
RMS 2.849


All di-mu pair mass
Entries 0
Mean 0
RMS 0

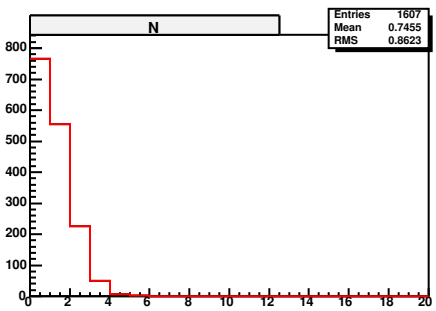

W HITS A
Entries 735
Mean 2.033
RMS 1.043

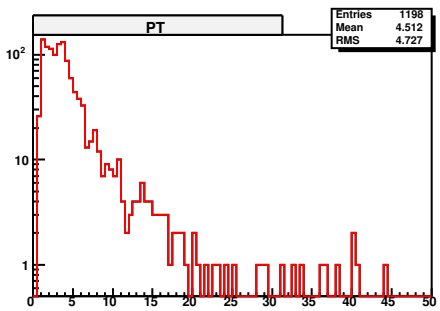

W HITS BC
Entries 735
Mean 0
RMS 0

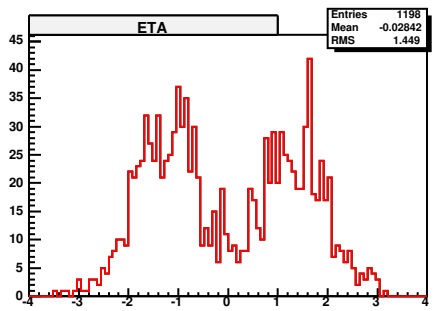

SCINT HITS A
Entries 735
Mean 0.3973
RMS 0.4893

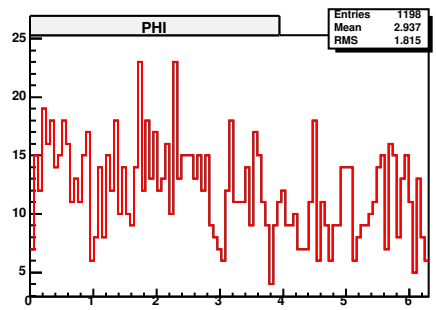

SCINT HITS BC
Entries 735
Mean 0
RMS 0

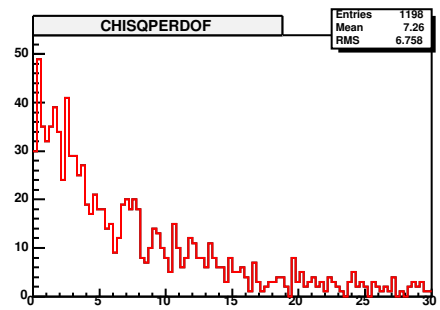
Muons (Astub)

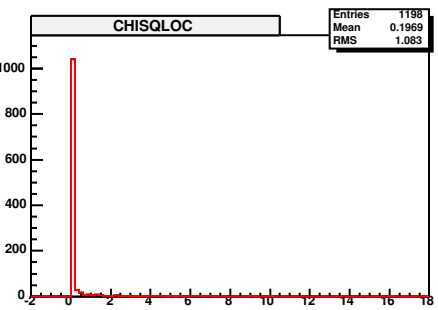


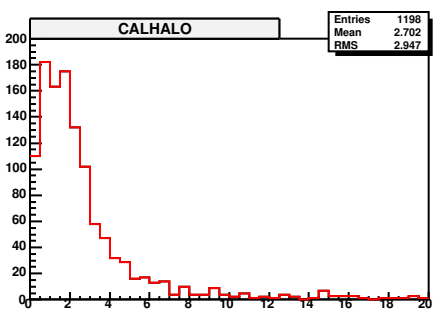


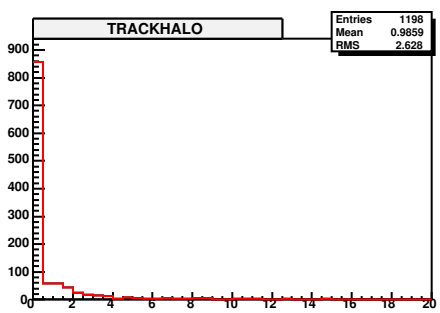


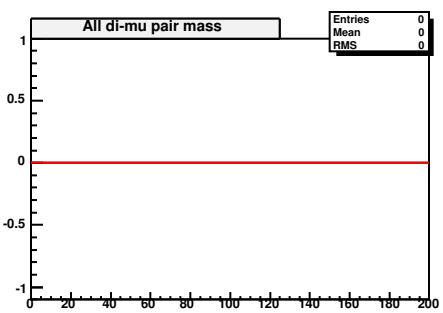


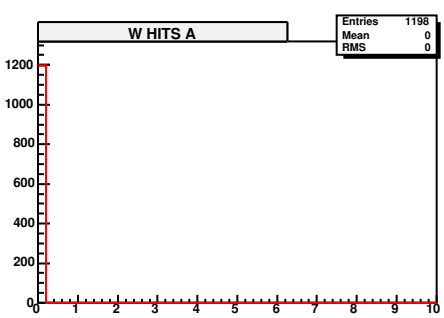


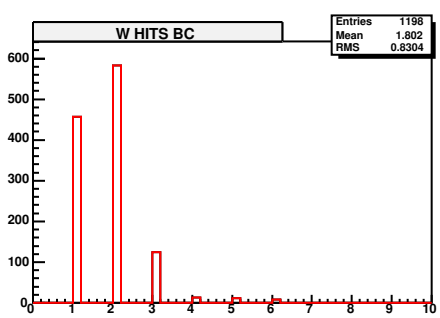


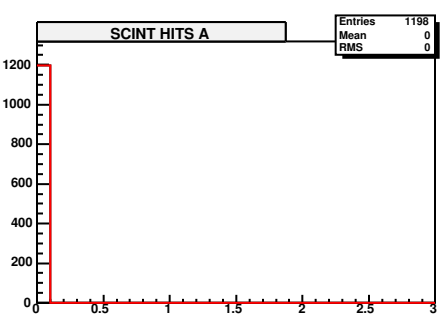


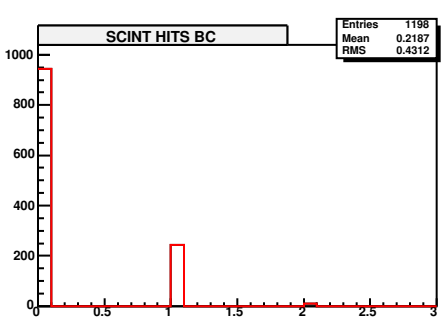




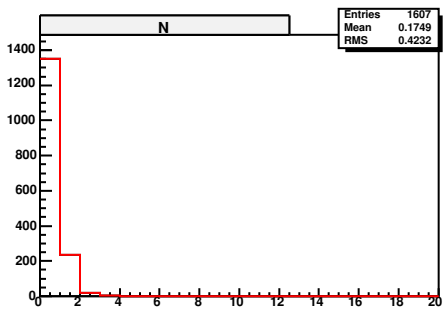


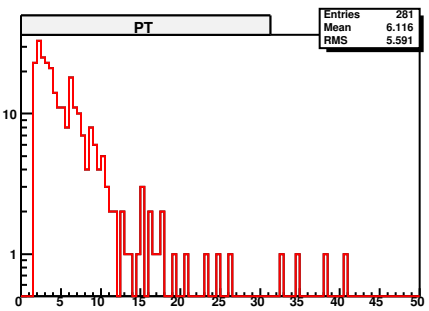


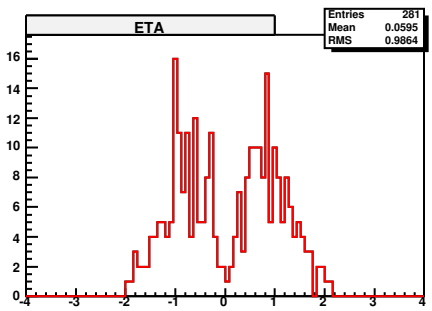


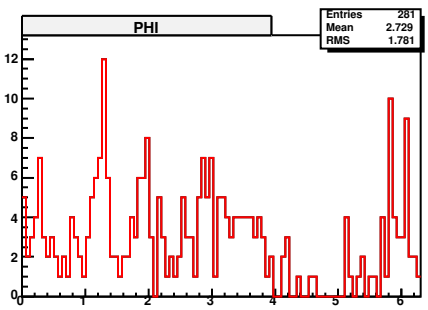


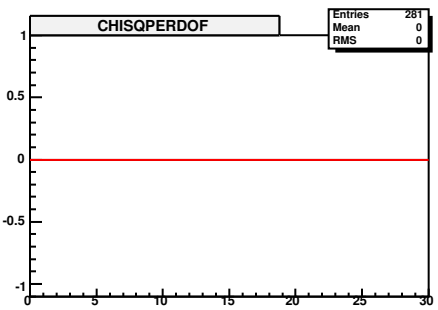
Muons (BCstub)

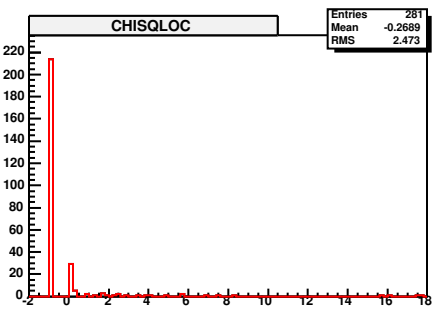


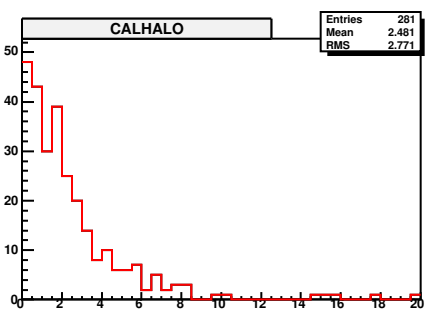


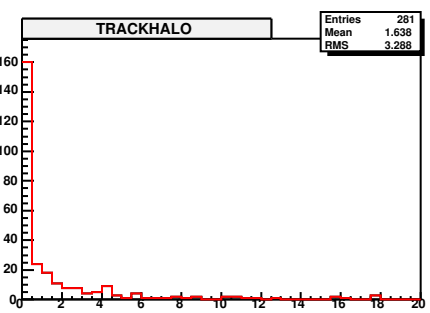


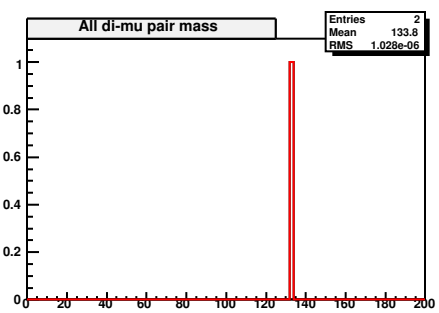


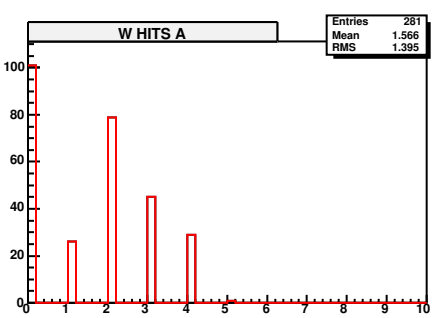


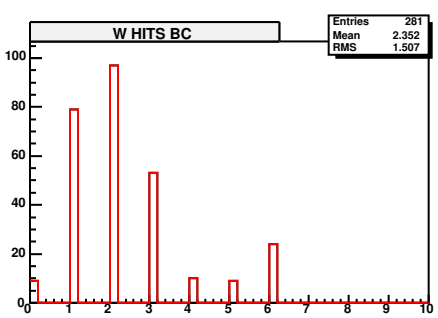


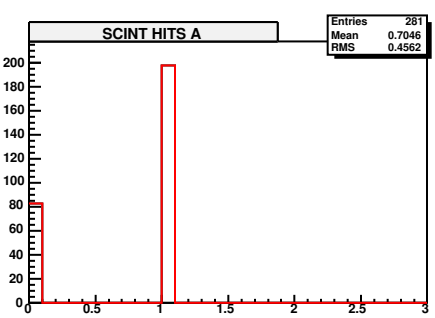


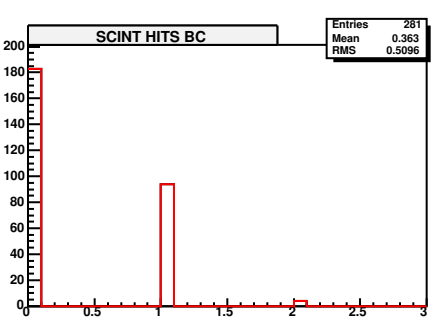




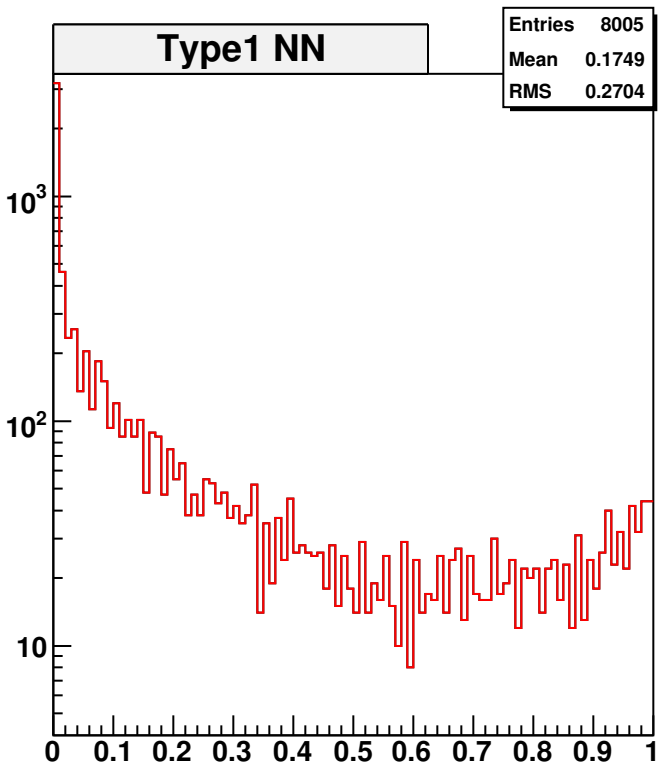


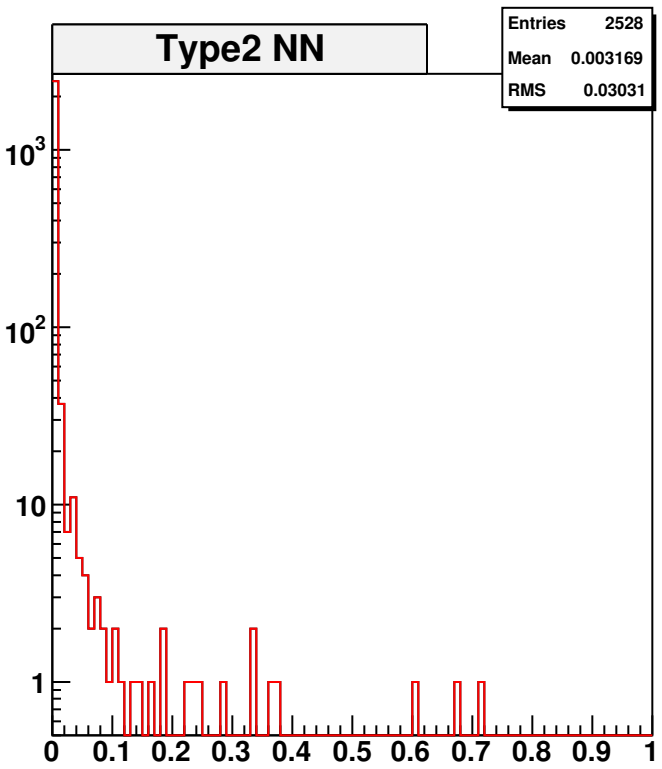


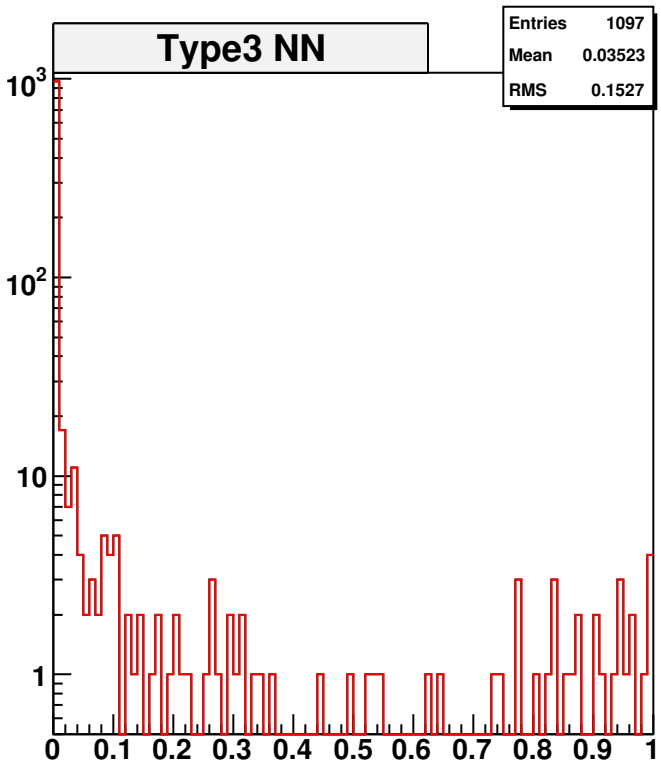


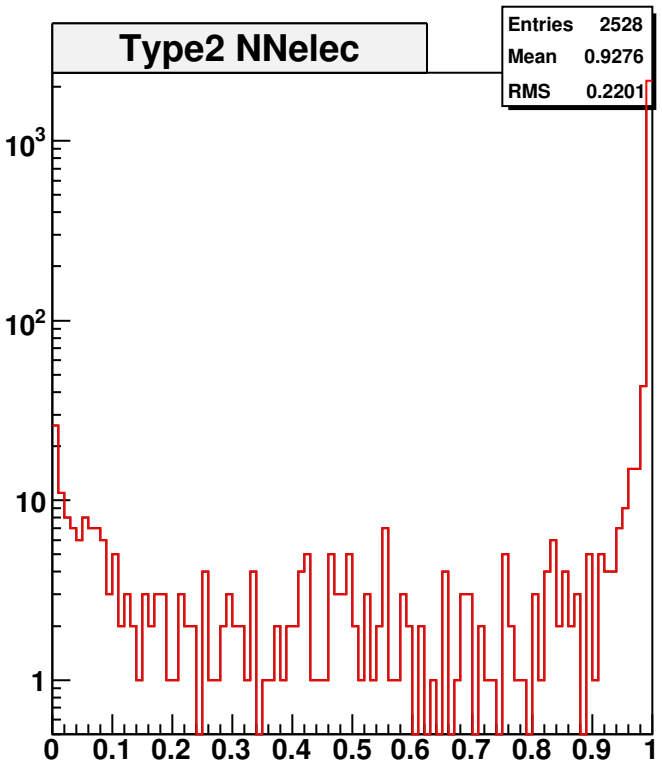


Muons (Unmatched)

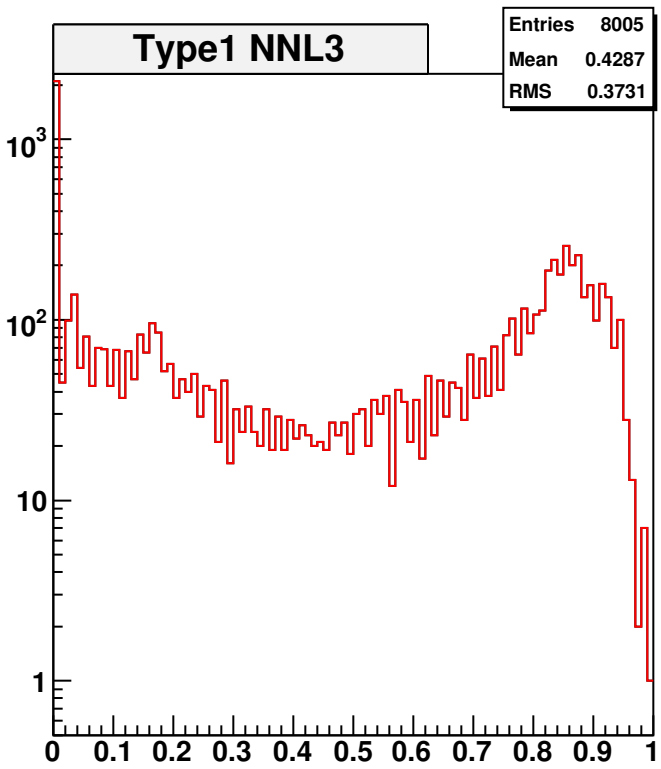


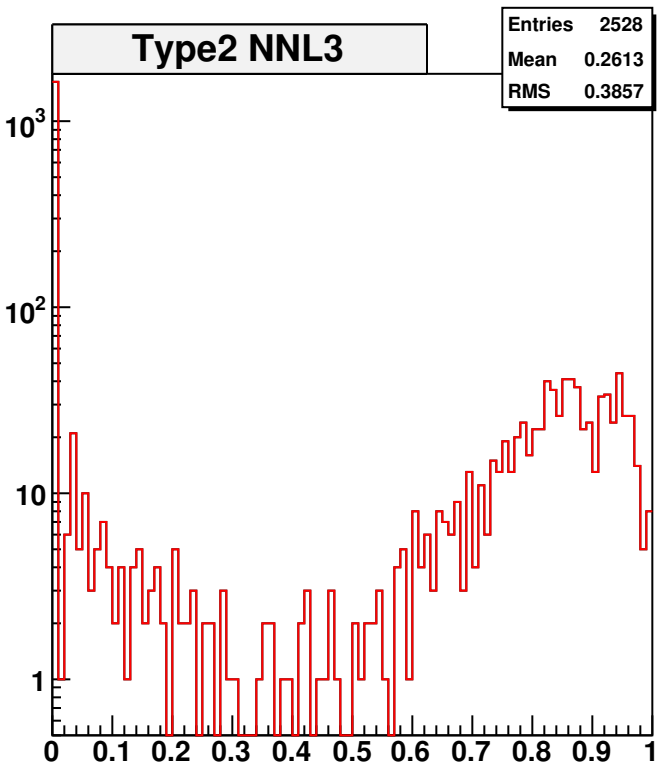


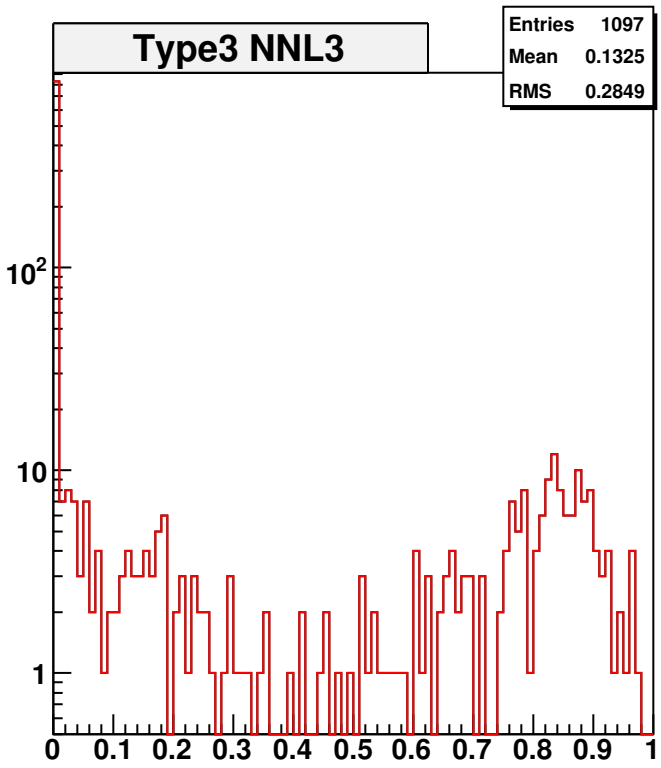


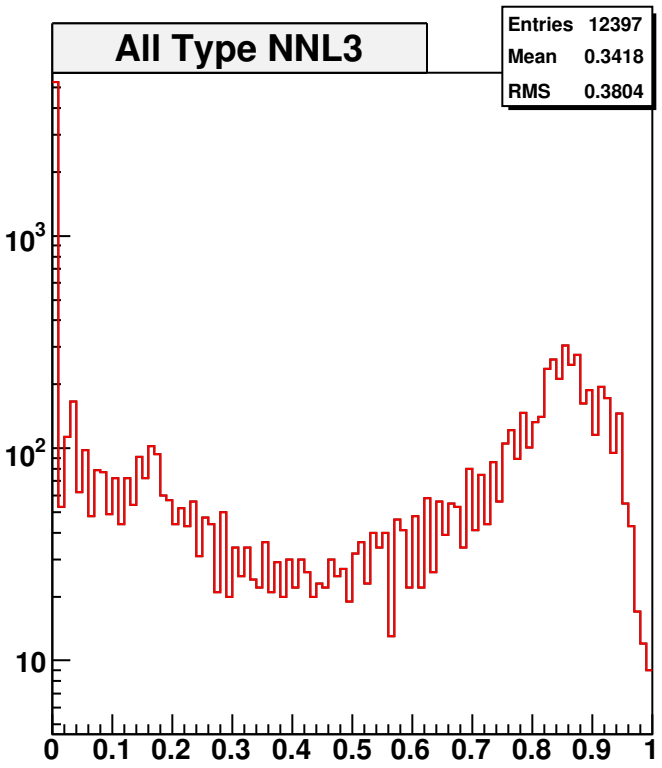


Taus NN (TAU All)

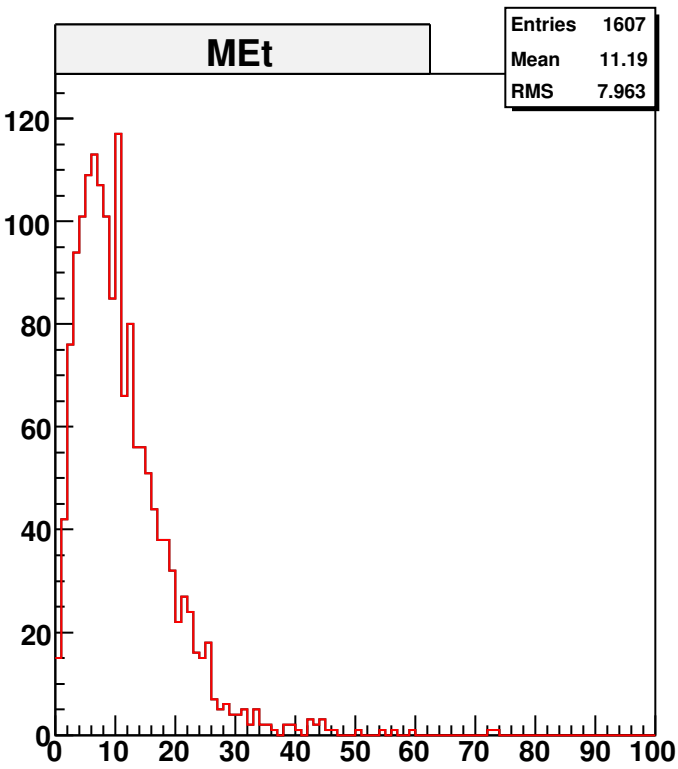








Taus NNL3 (TAU All)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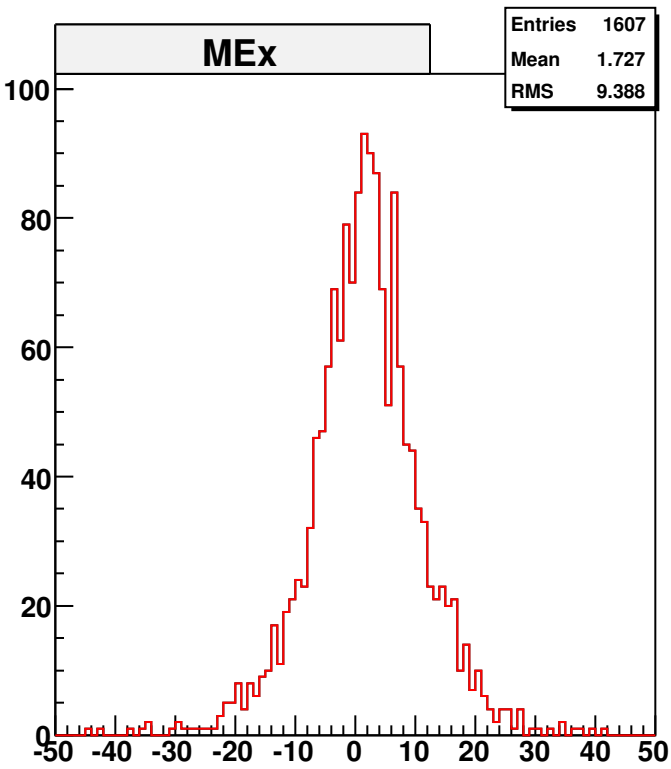
Mean 11.19
RMS 7.963
120
100
80
60
40
20
0
0 10 20 30 40 50 60 70 80 90 100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Mean 1.727
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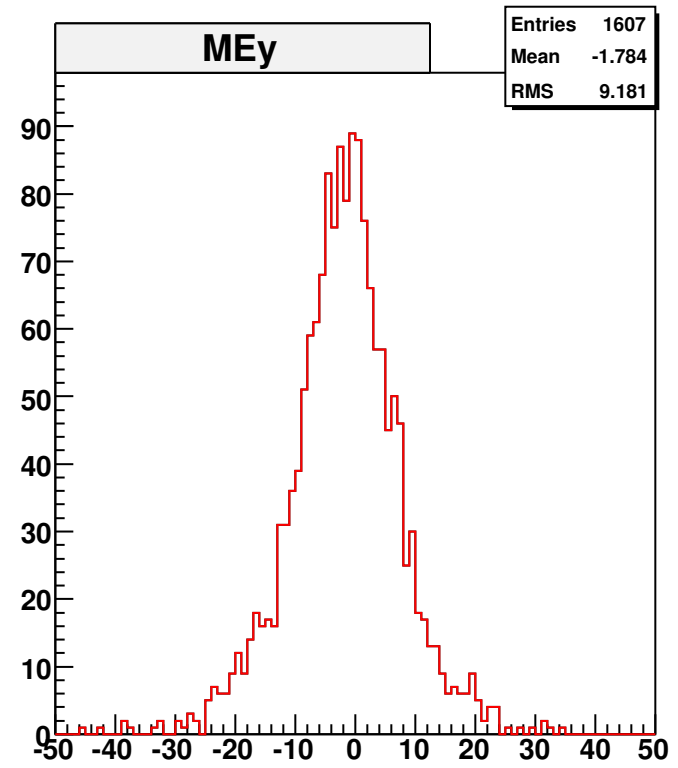
40
20
0
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
Entries 1607
Mean -1.784
RMS 9.181
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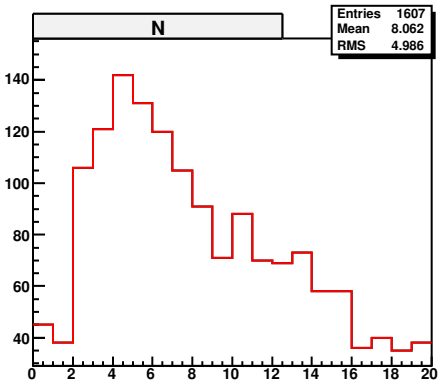
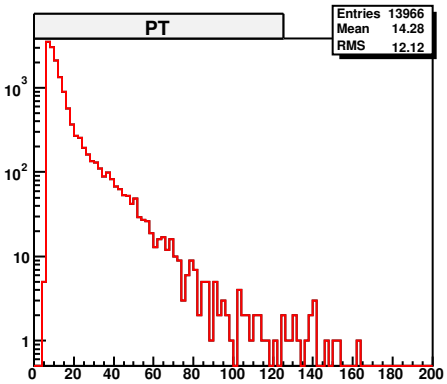
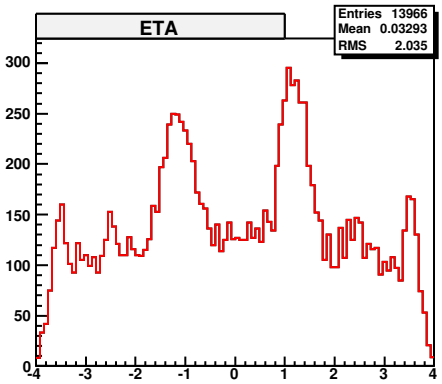
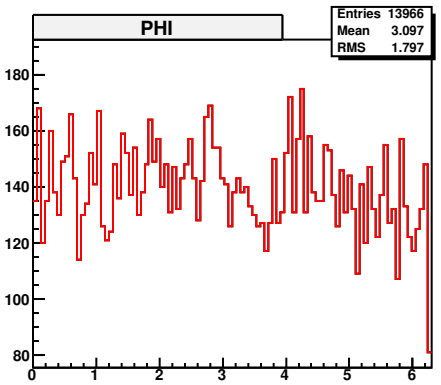
60
50
40
30
20
10
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

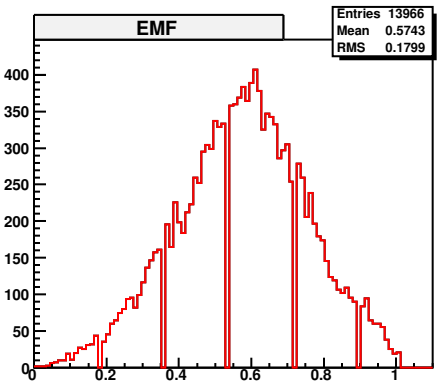
Met (No cuts)

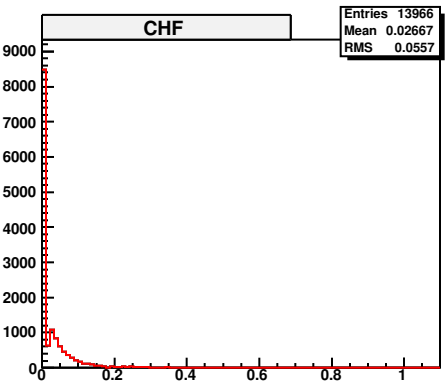


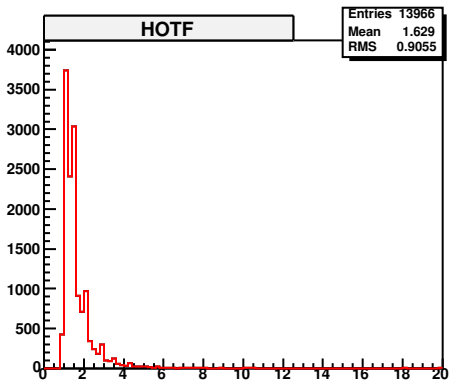


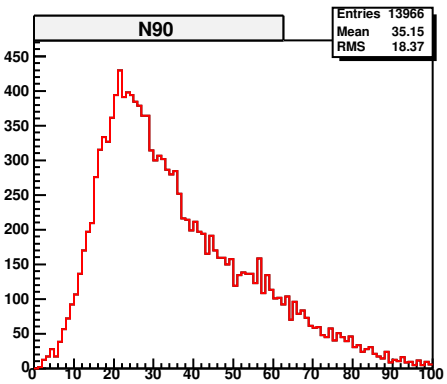


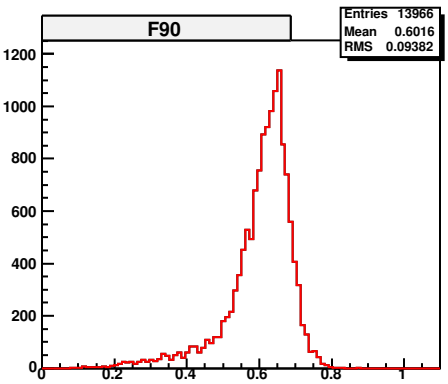


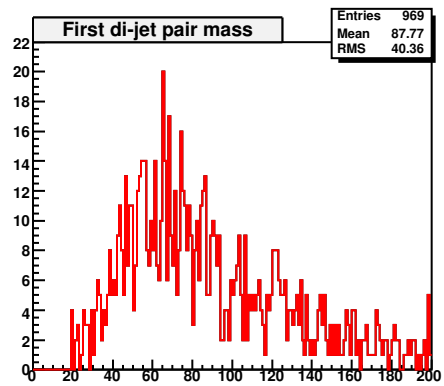


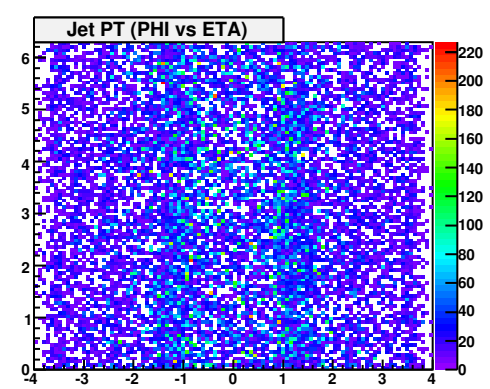




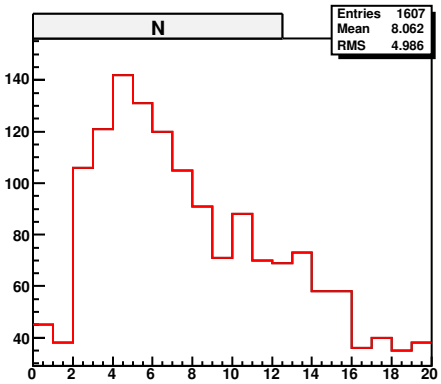


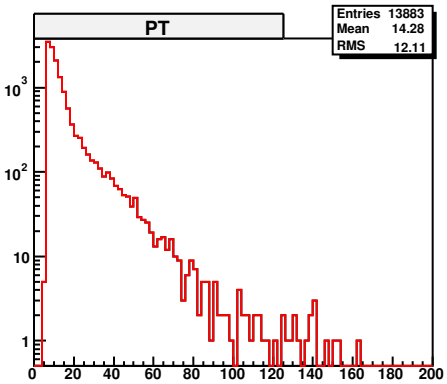


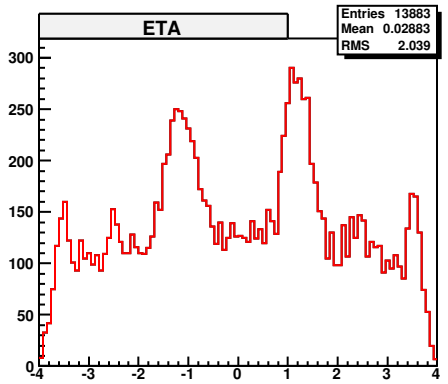


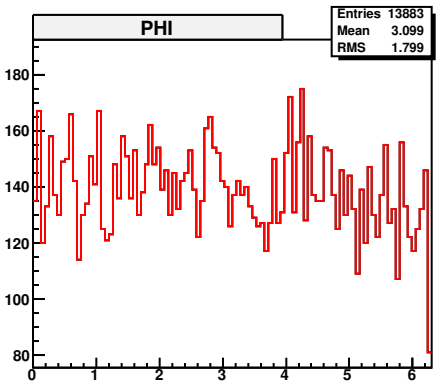


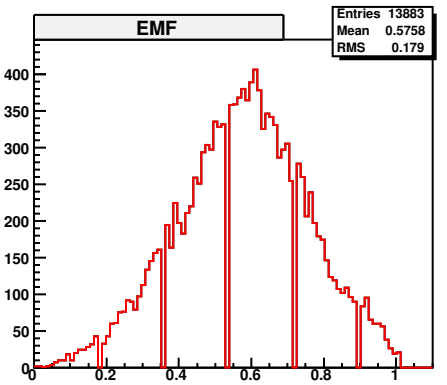
Jets (Cone R 0.7 (no cuts))

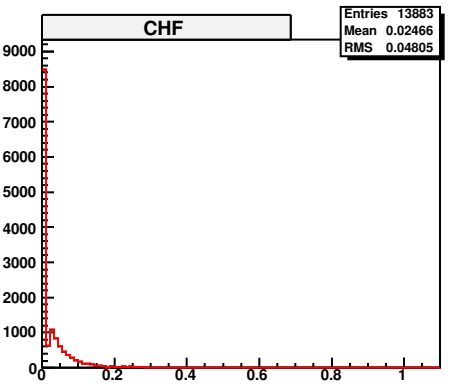


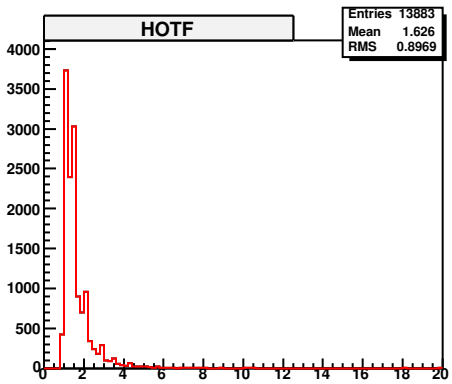


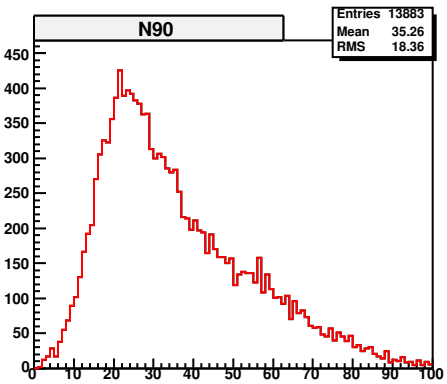


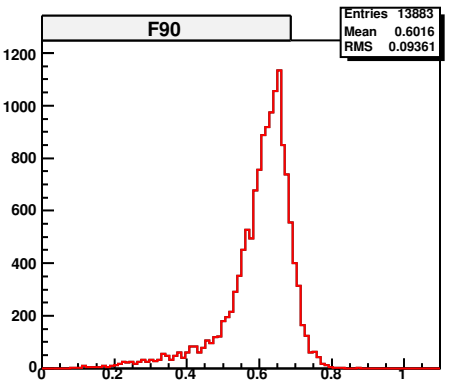


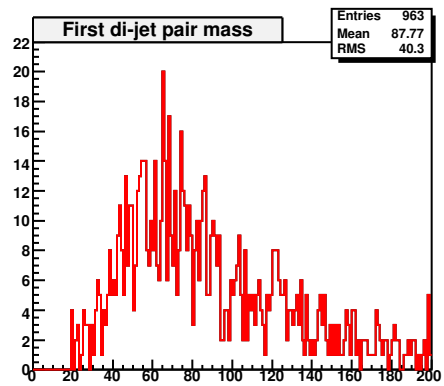


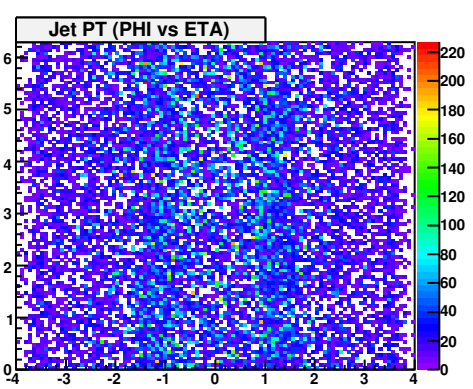




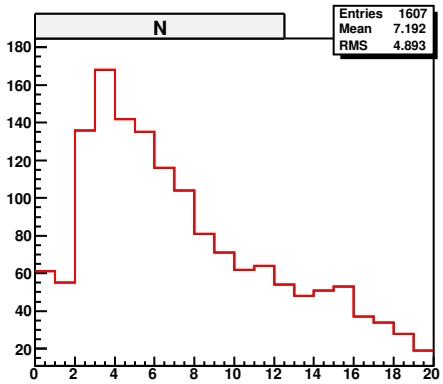


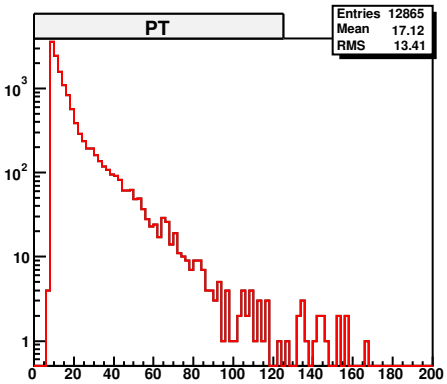


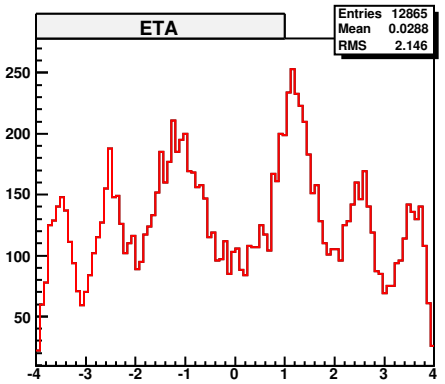


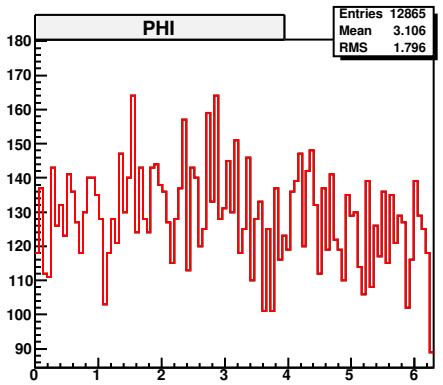


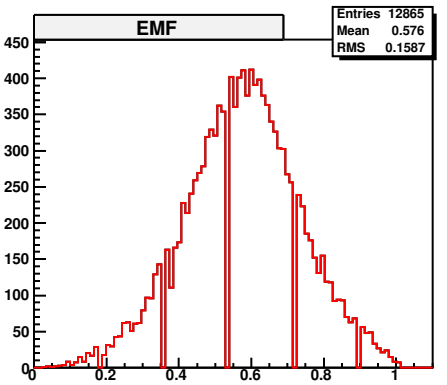
Jets (Cone R 0.7 (standard cuts))

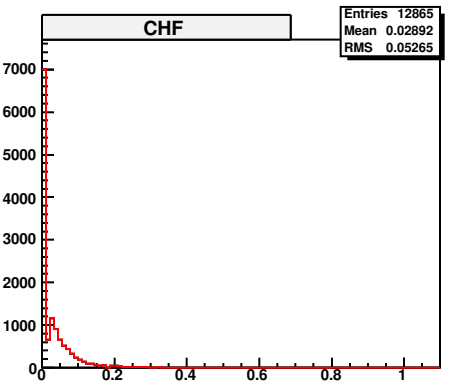


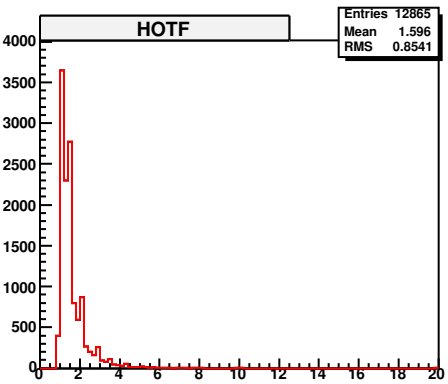


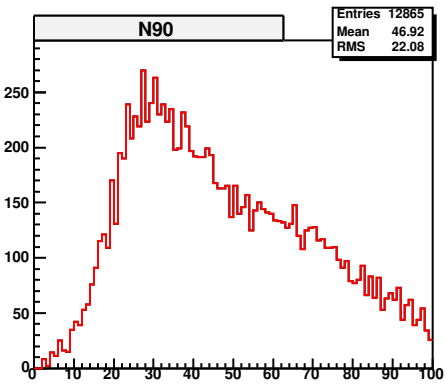


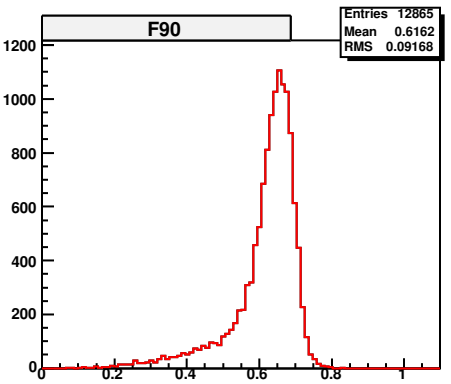


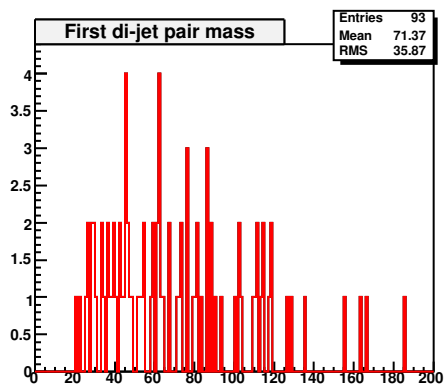


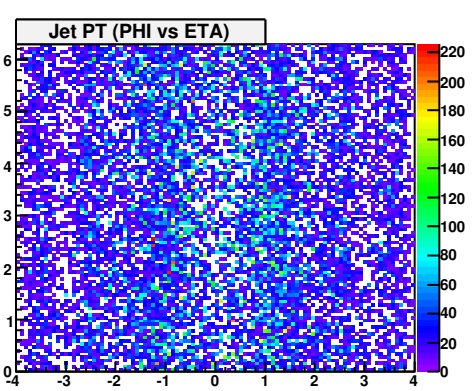




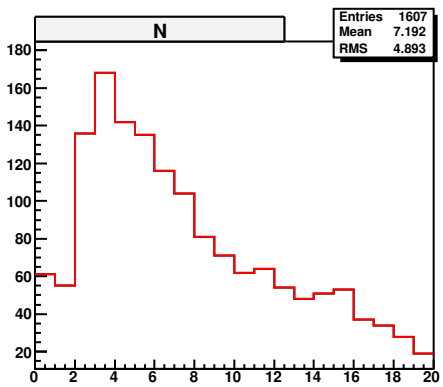


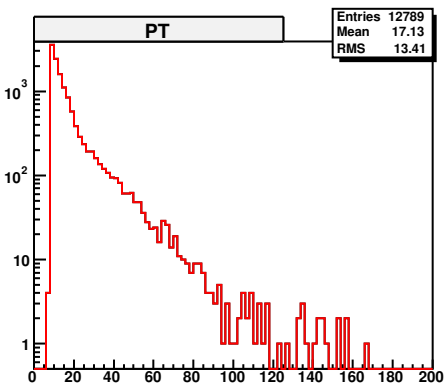


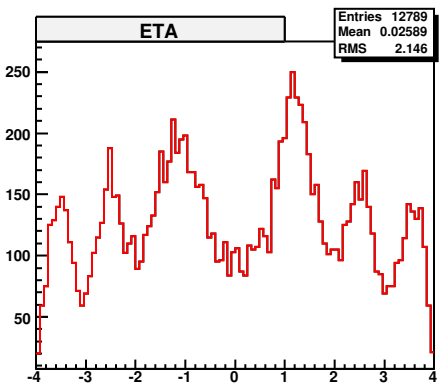


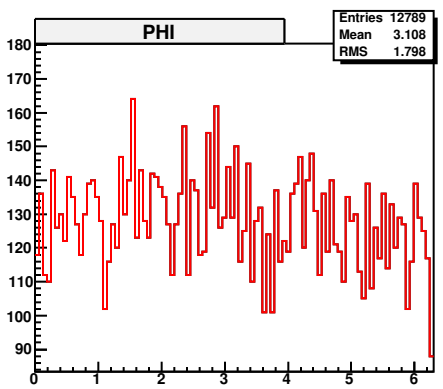


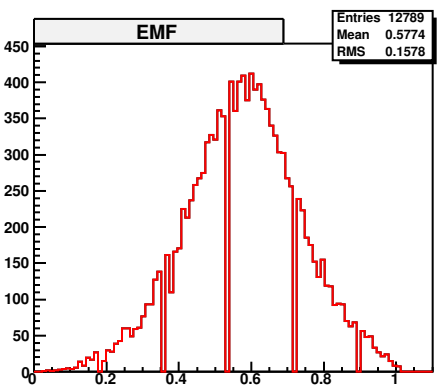
Jets (KT D 1 (no cuts))

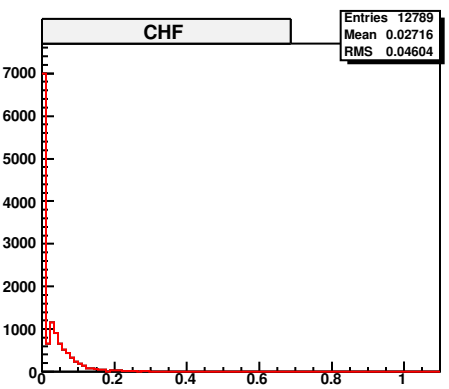


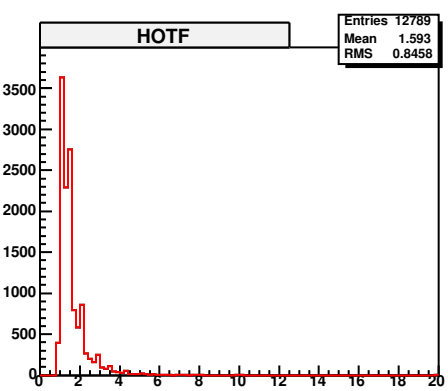


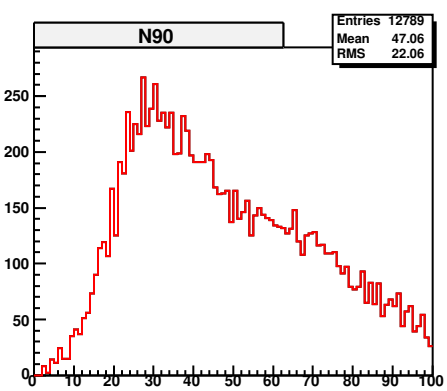


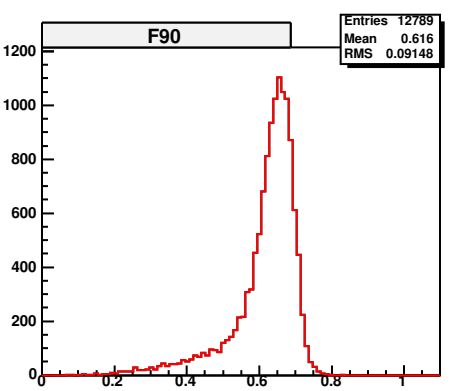


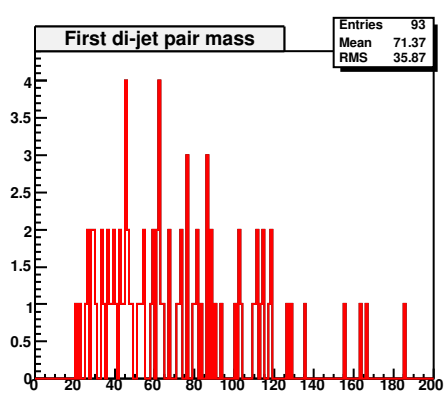


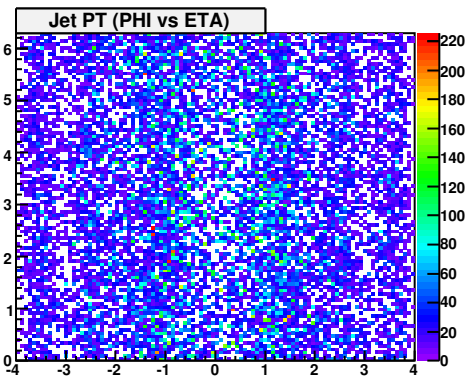




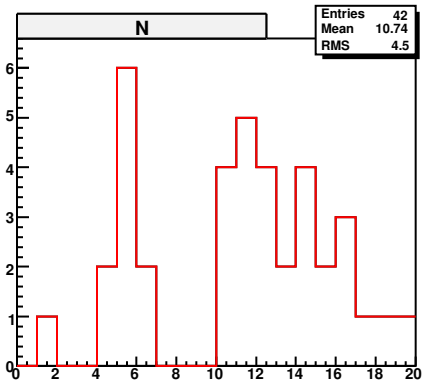


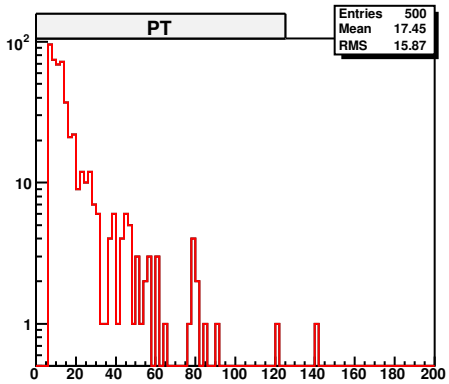


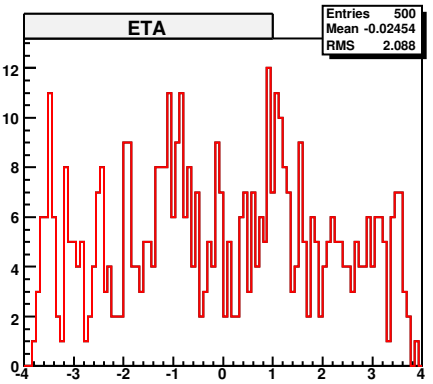


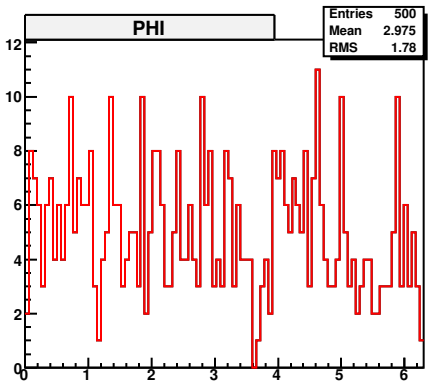


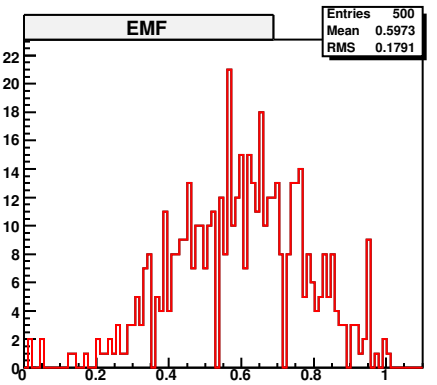
Jets (KT D 1 (standard cuts))

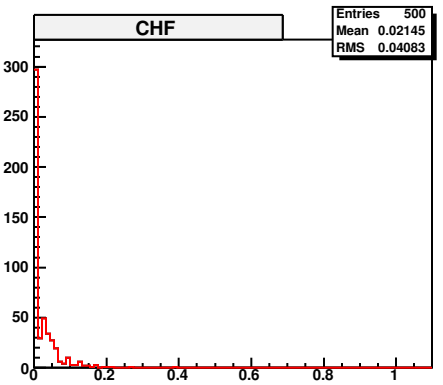


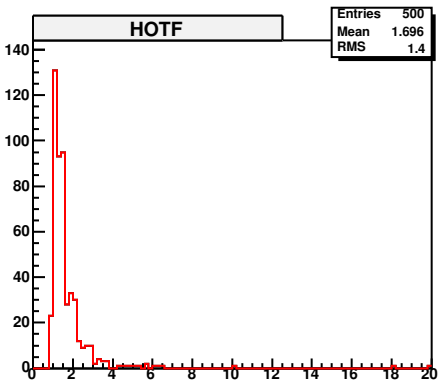


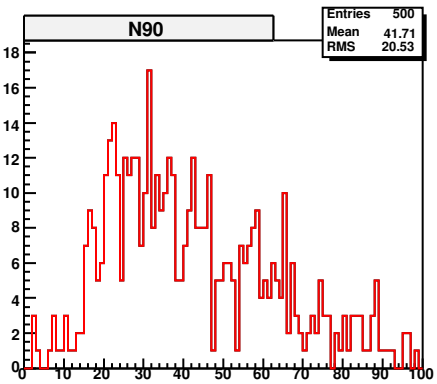


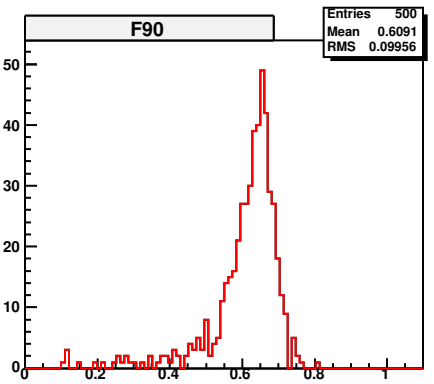


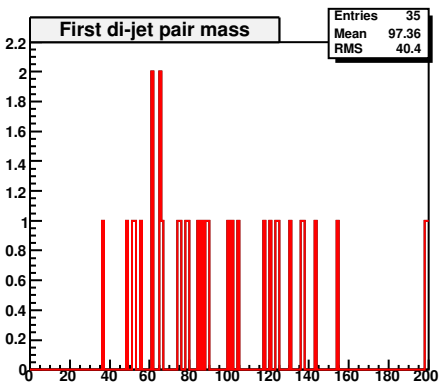


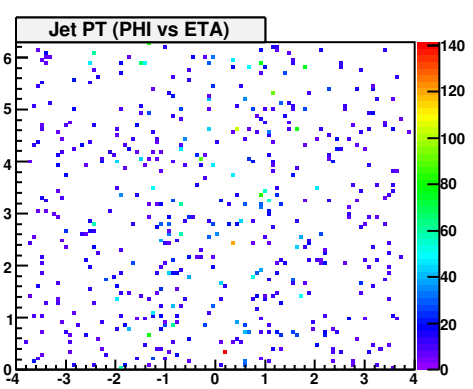




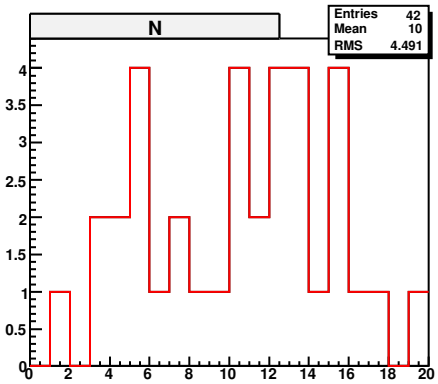


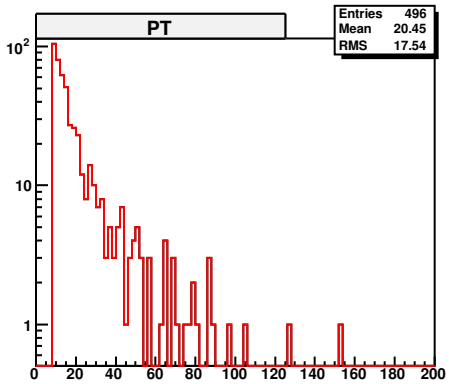


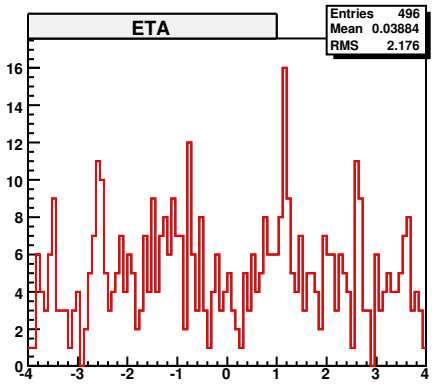


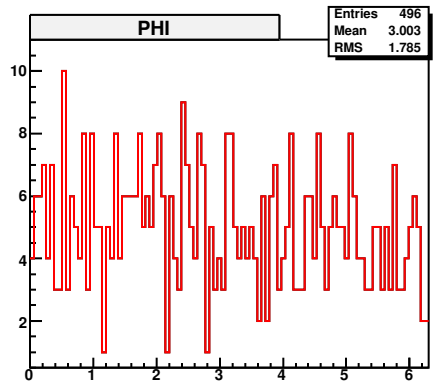


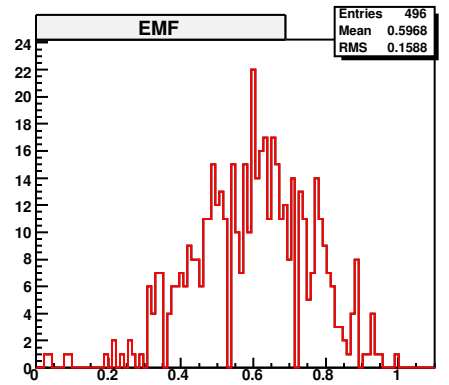
Jets (Cone R 0.7 (standard cuts, MET>30))

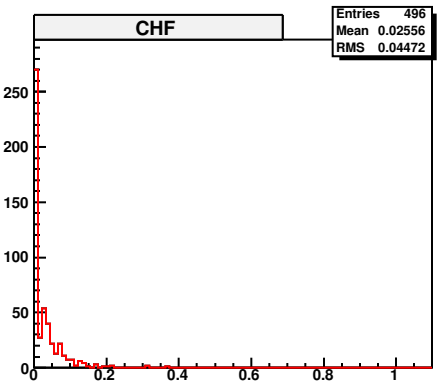


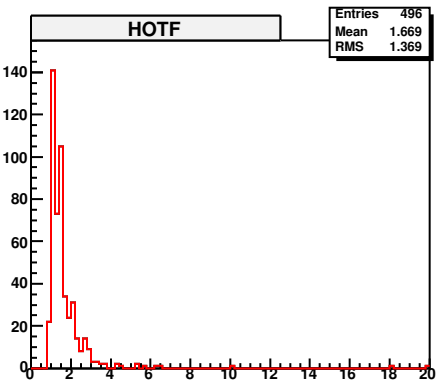


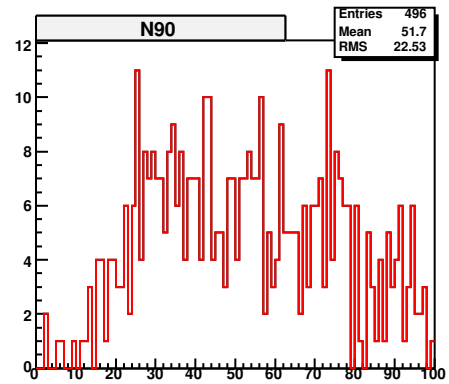


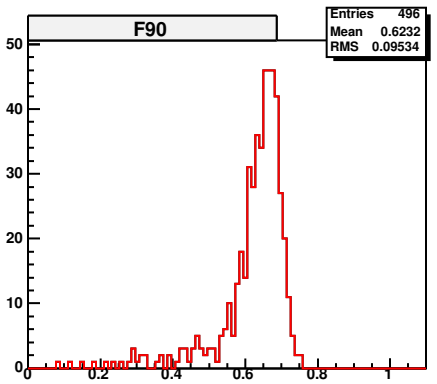


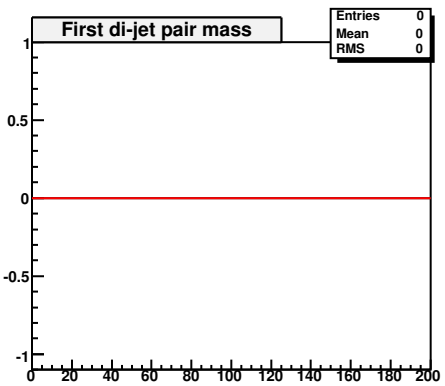


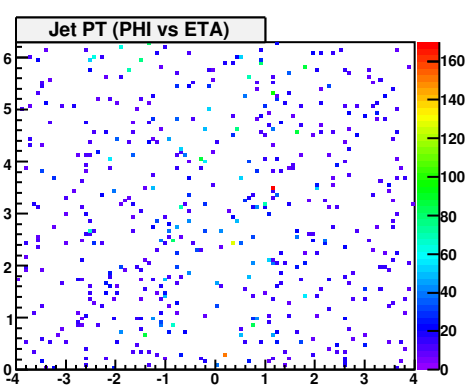




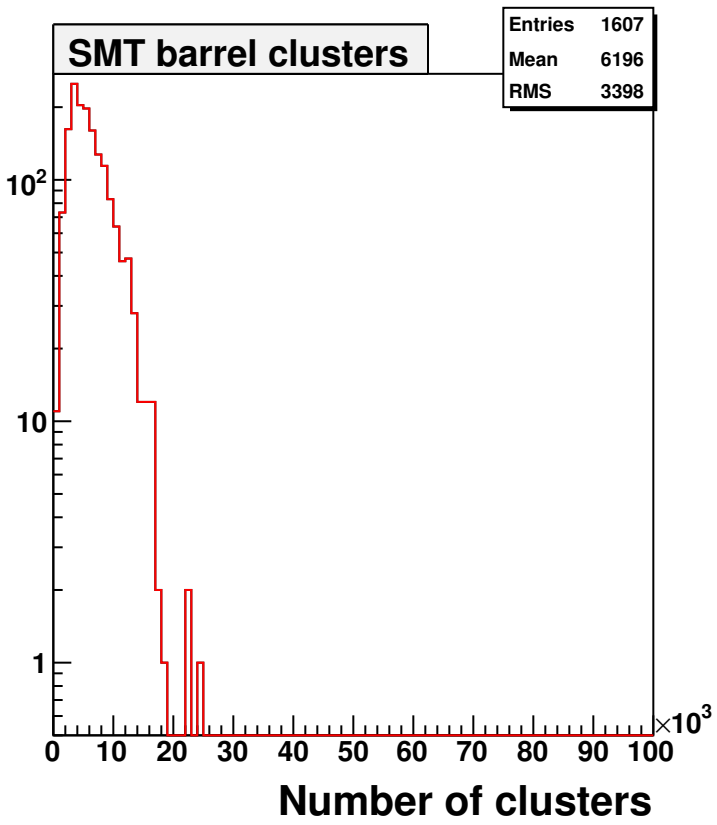


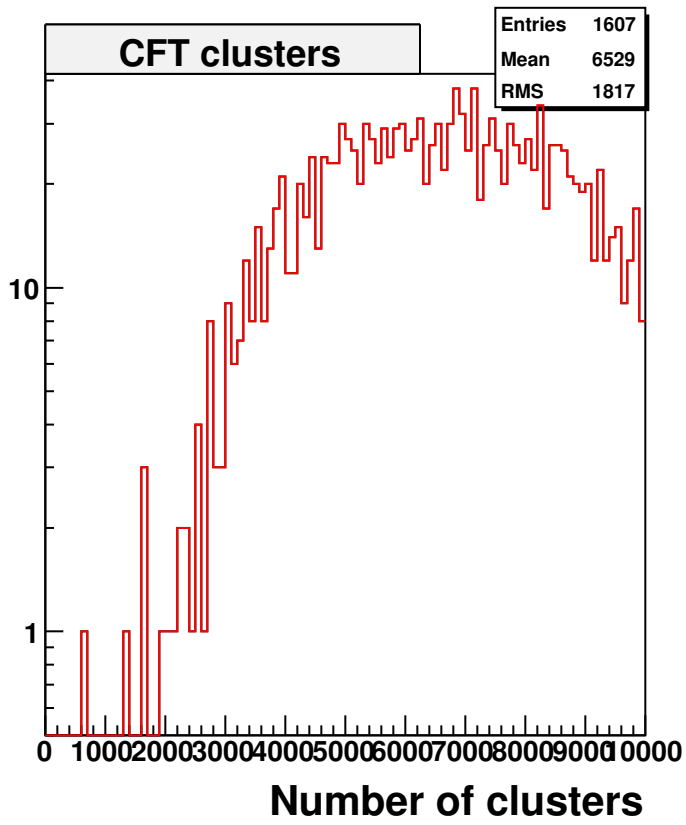


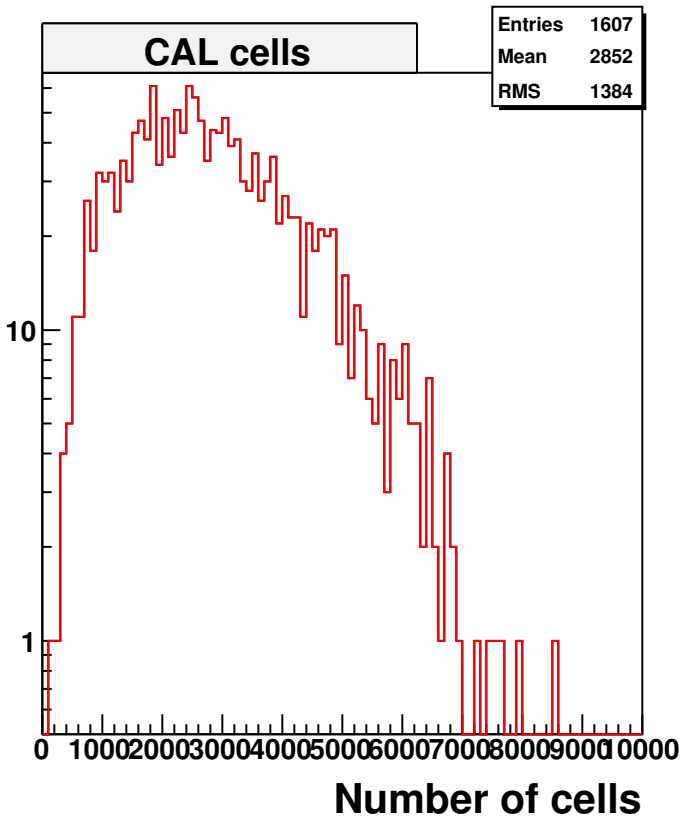


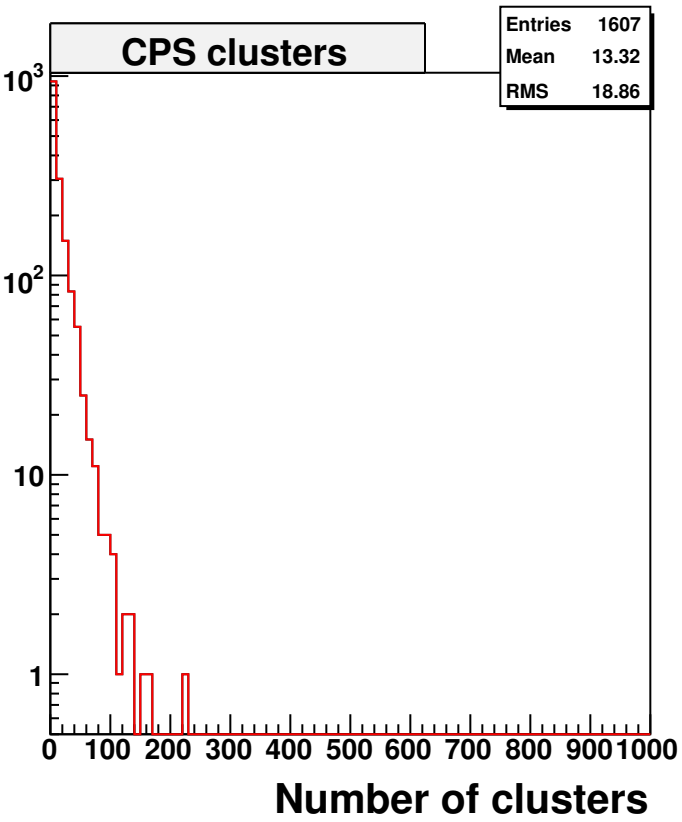


Jets (KT D 1 (standard cuts, MET>30))

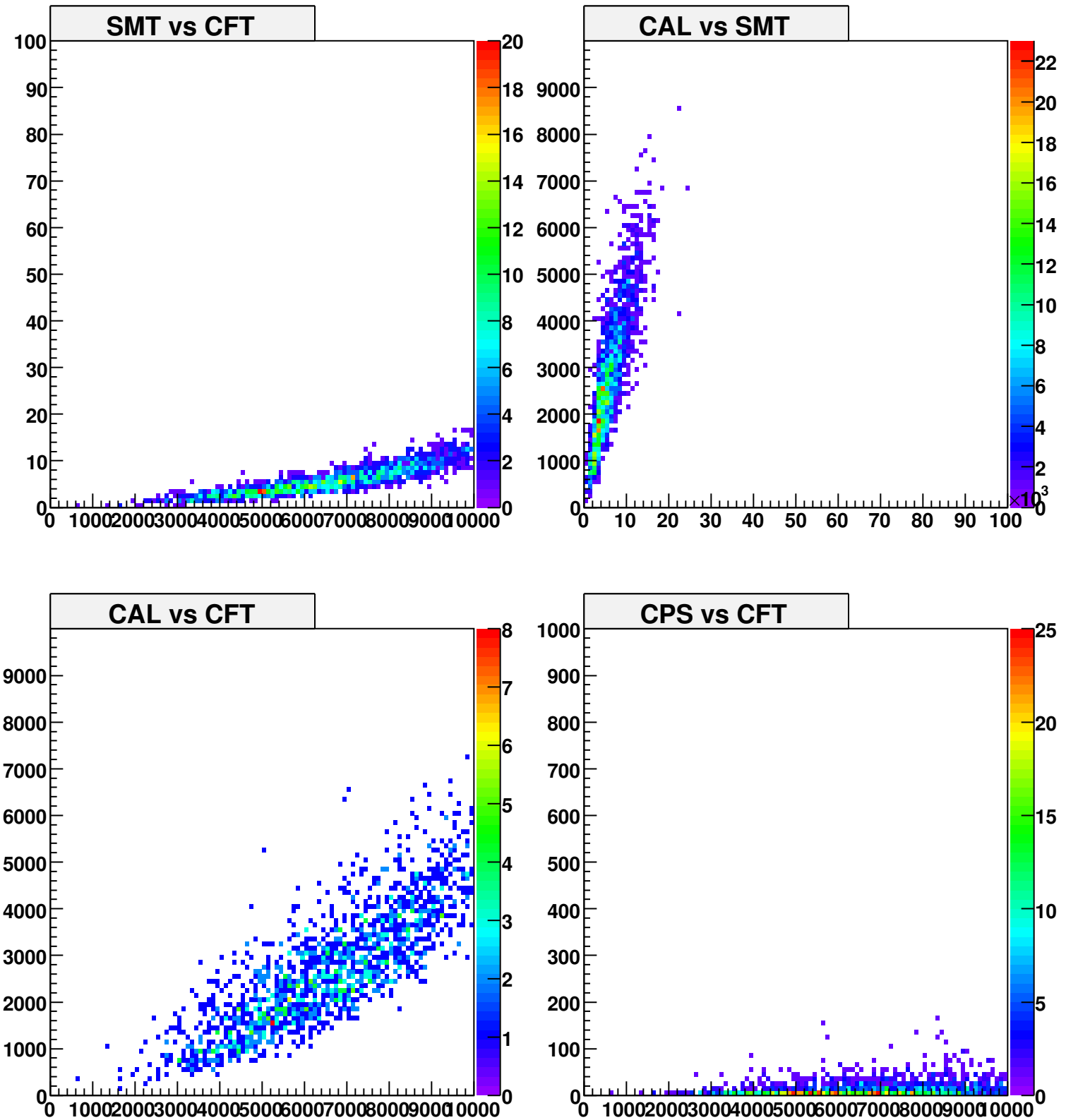


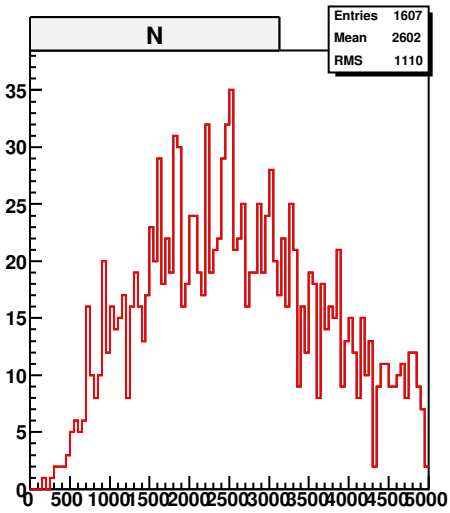


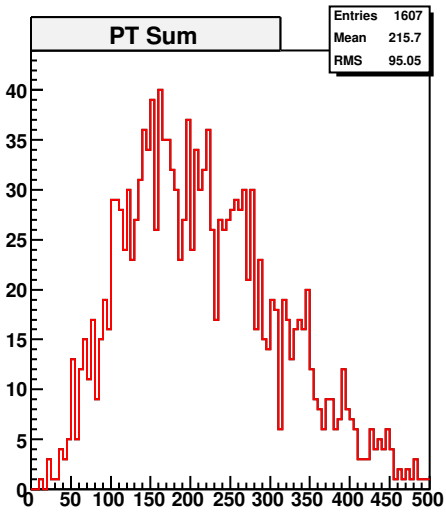


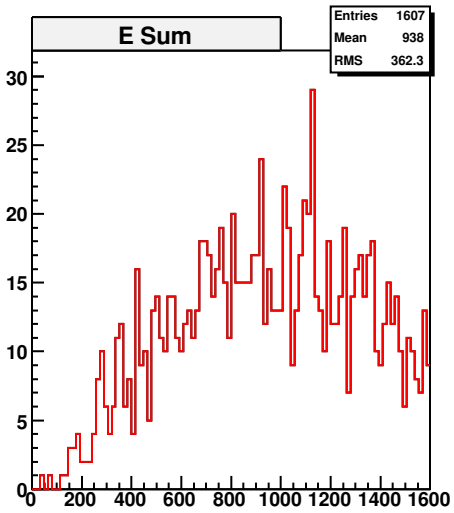


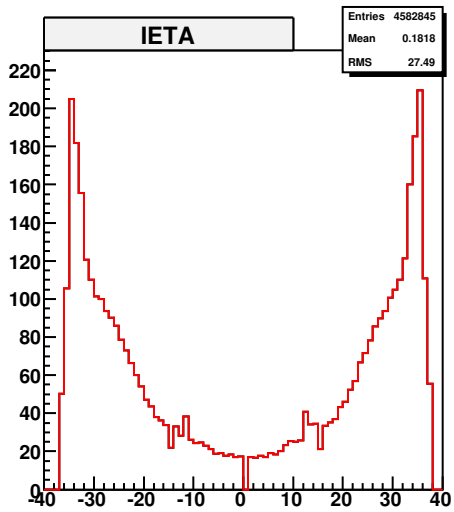
Detector Occupancy (Detector)

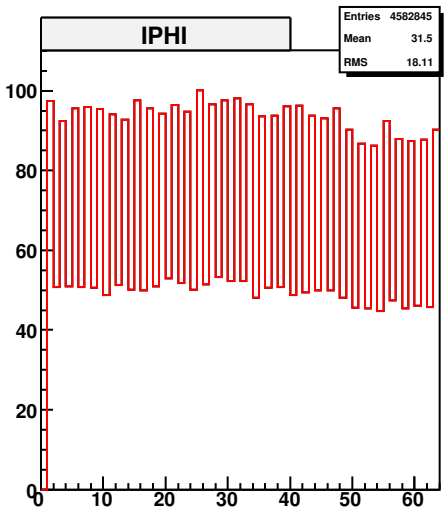

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

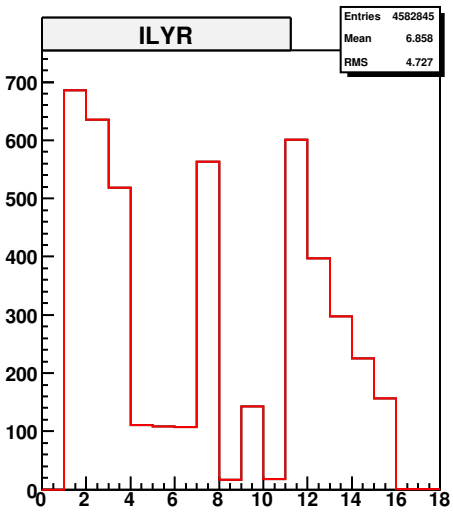


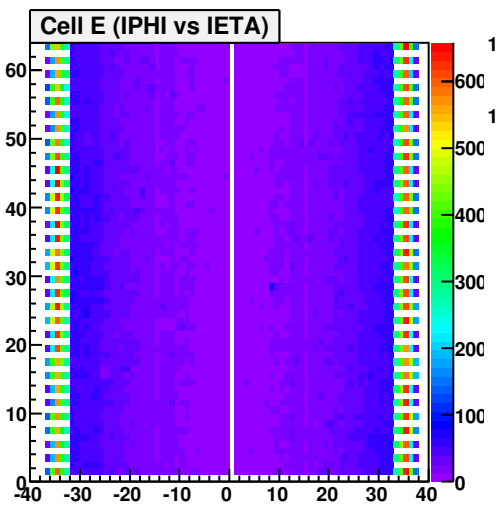


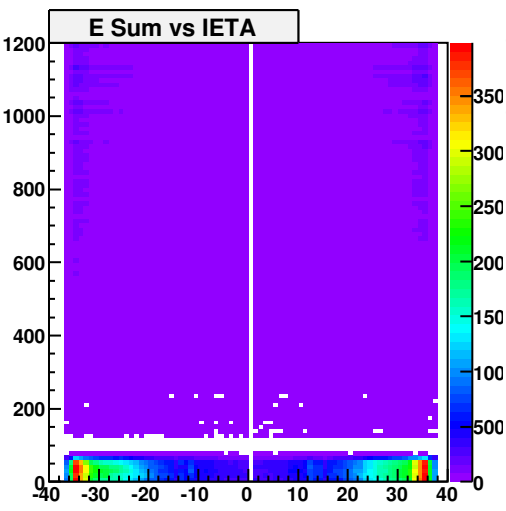


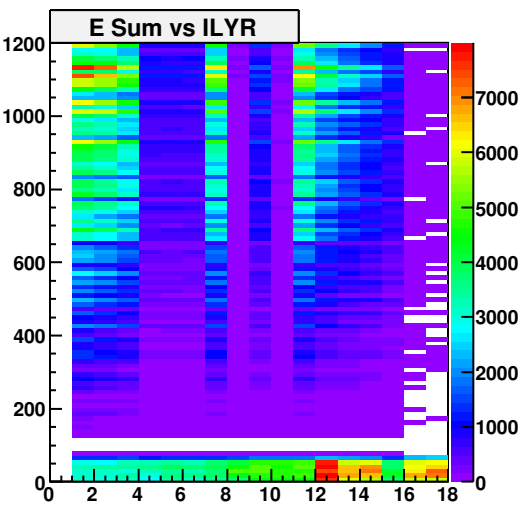




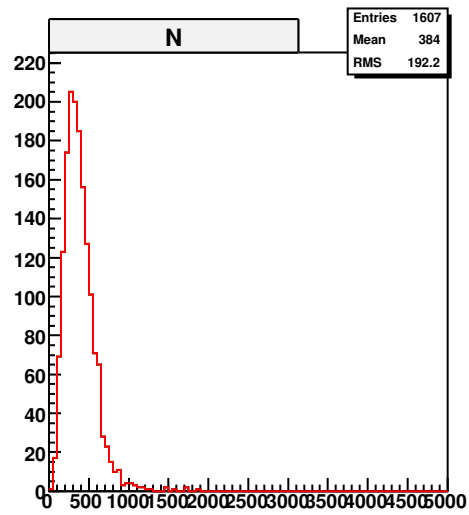


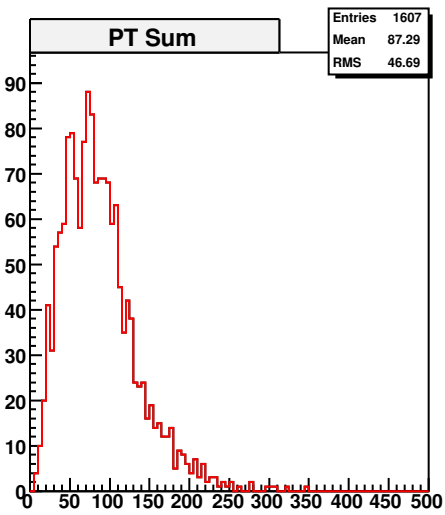


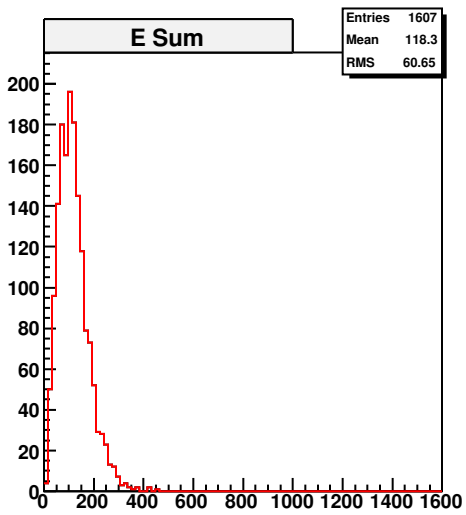


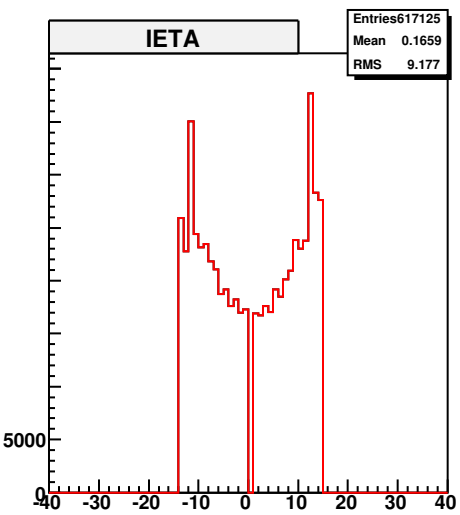


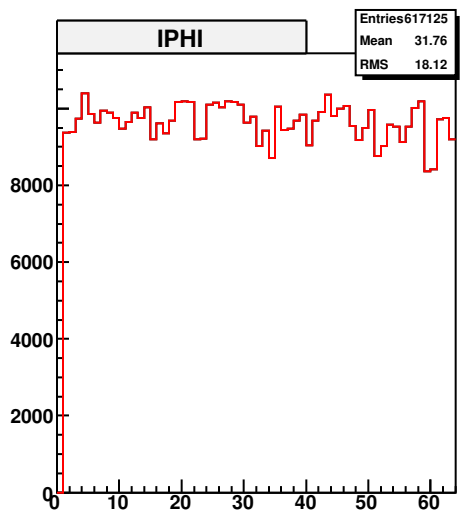
Calorimeter (All cells)

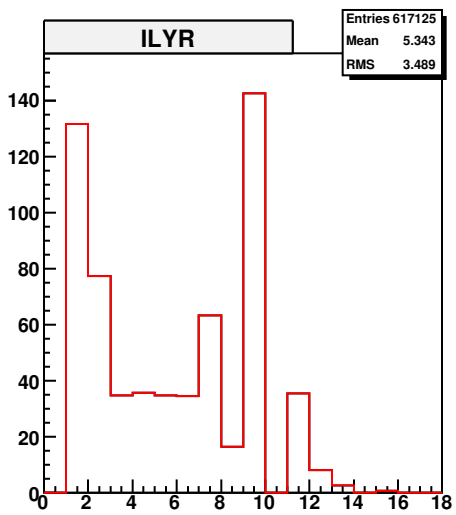


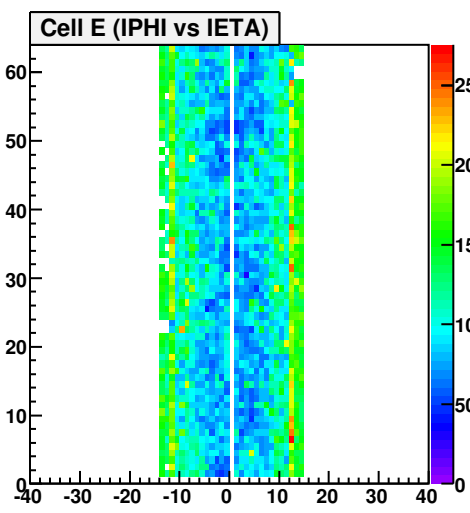


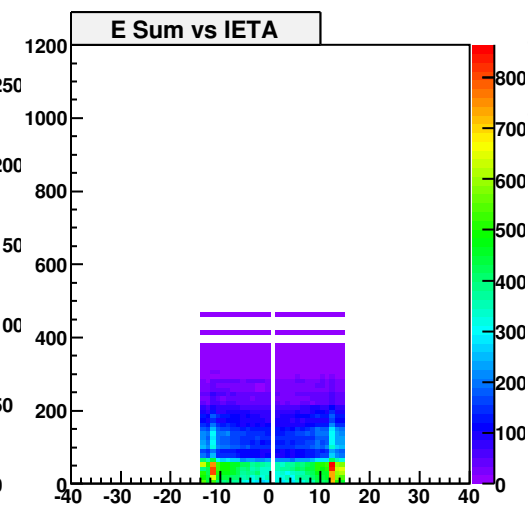


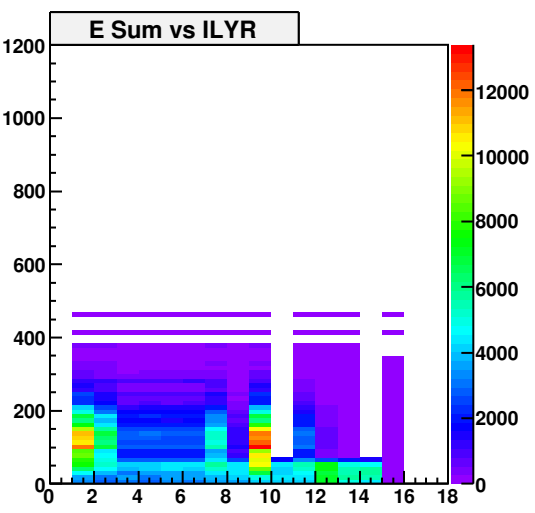




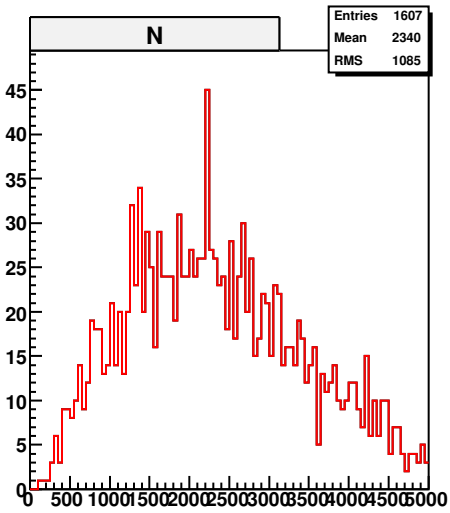


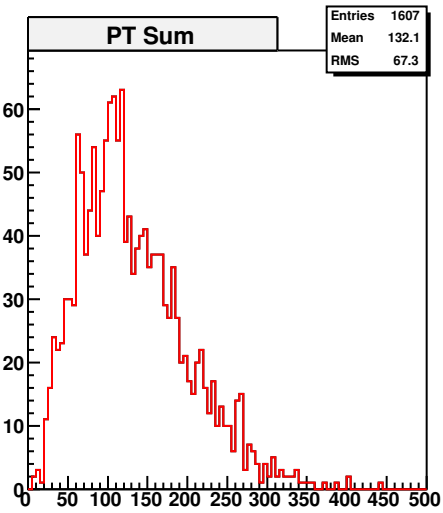


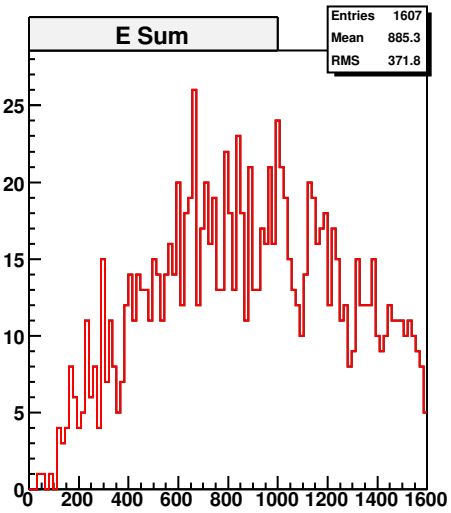


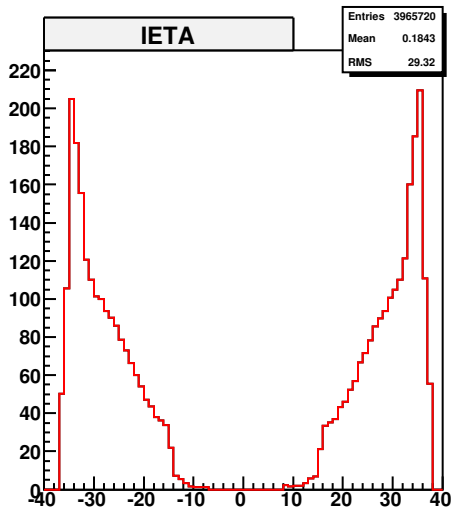


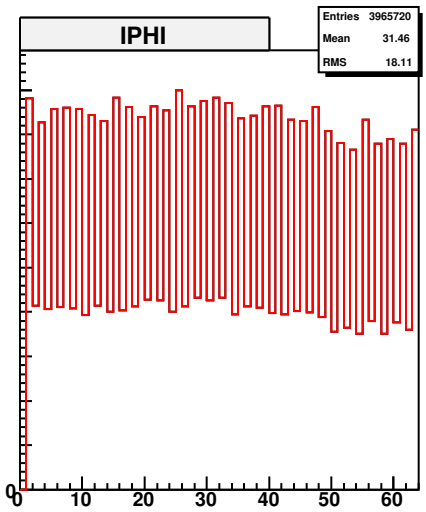
Calorimeter (All CC cells)

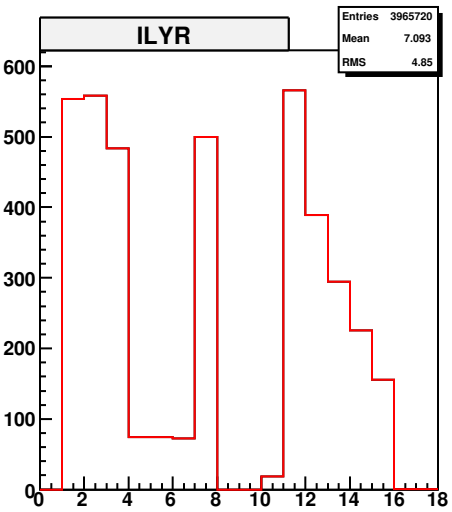


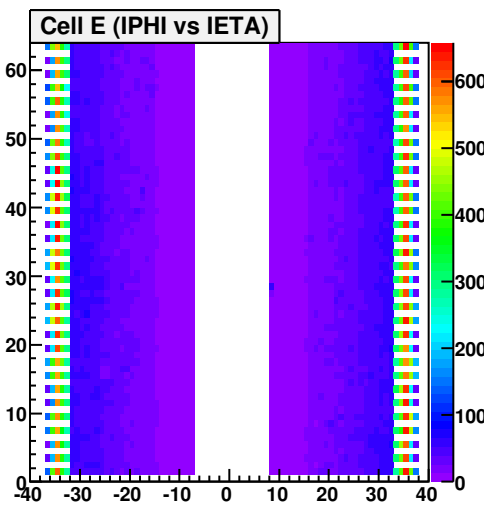


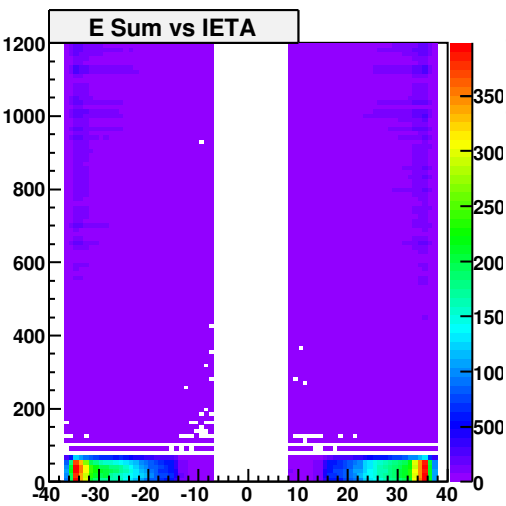


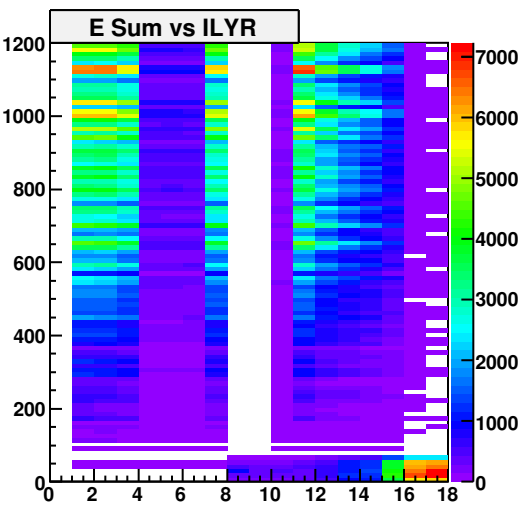




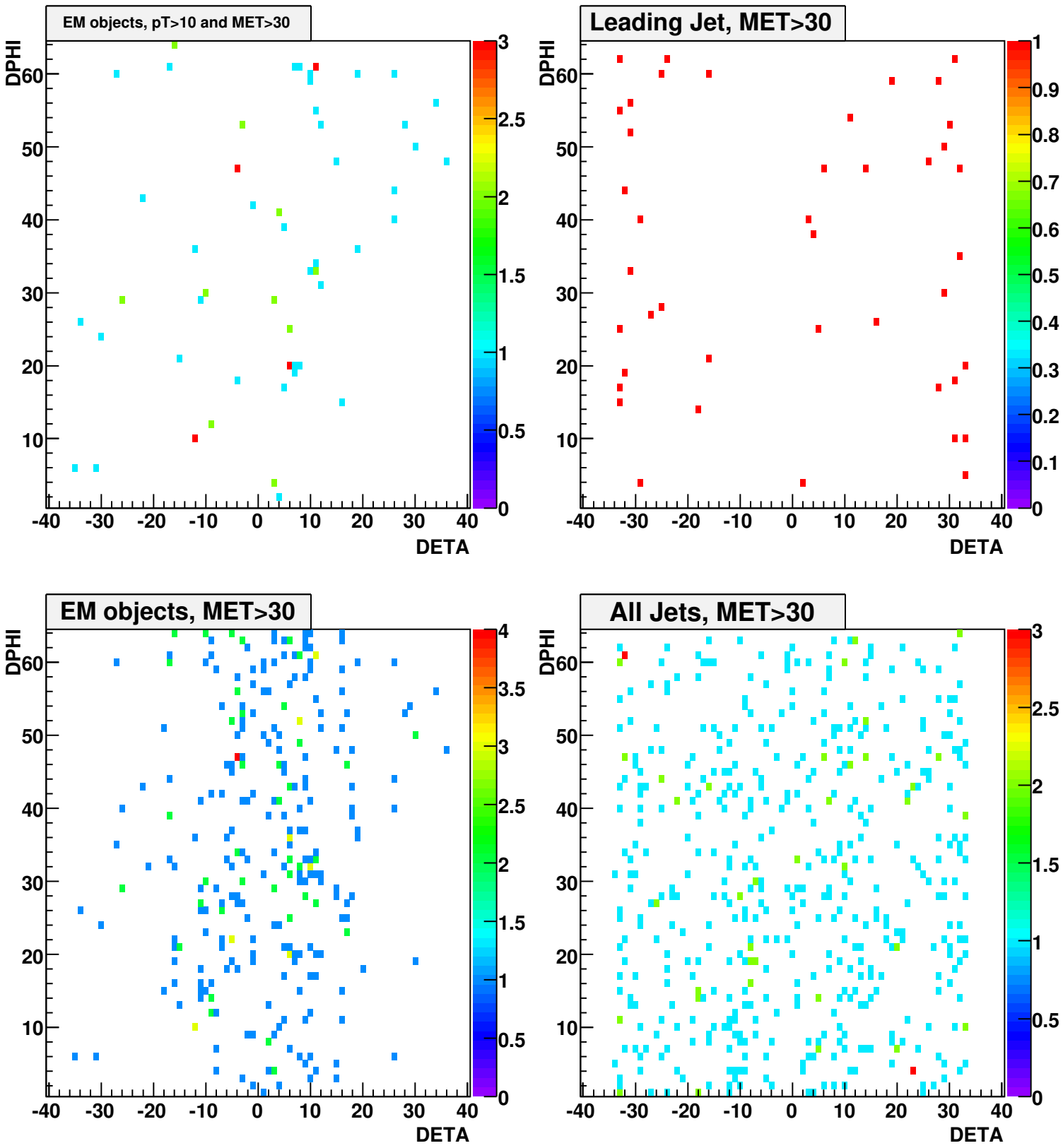




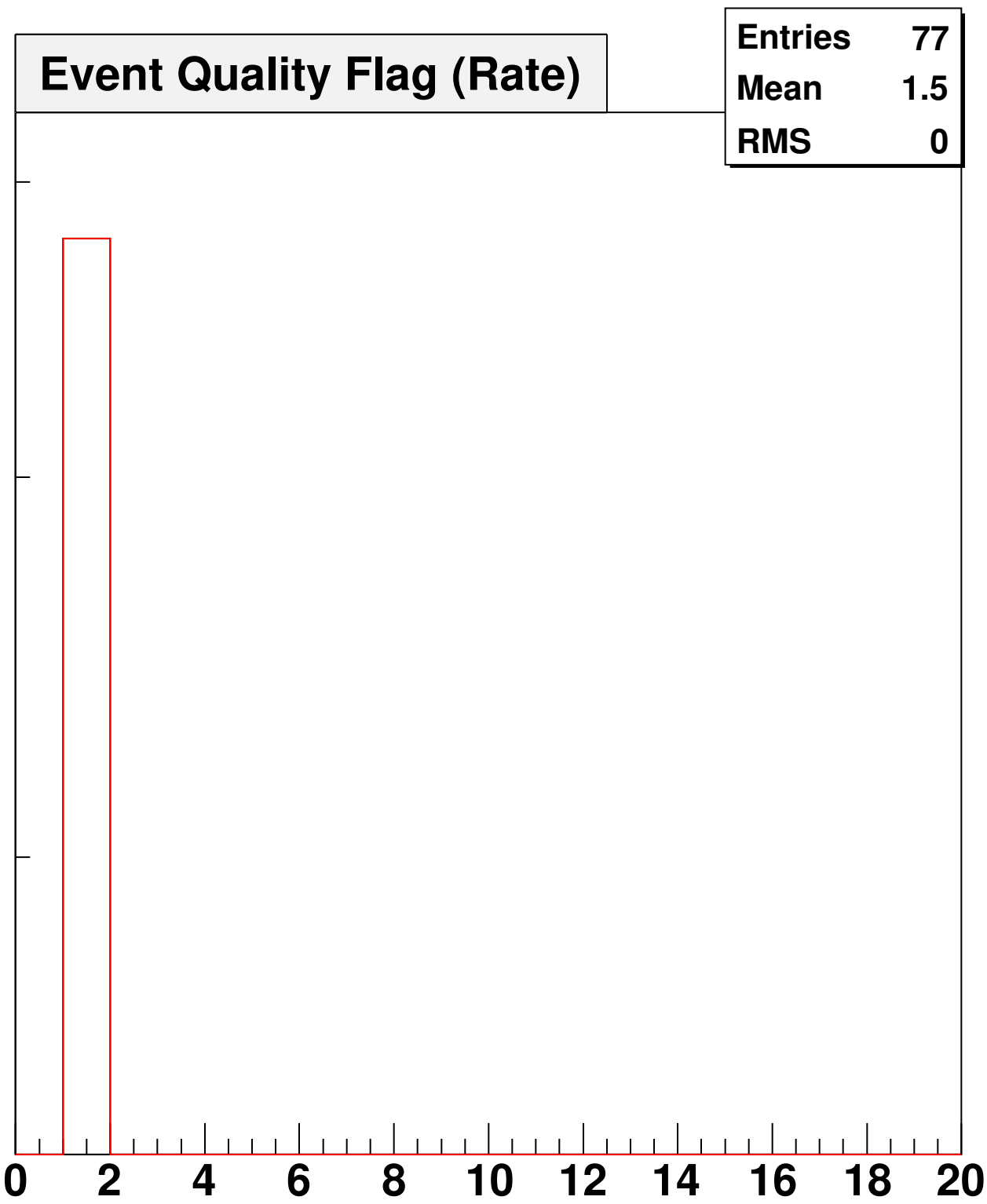


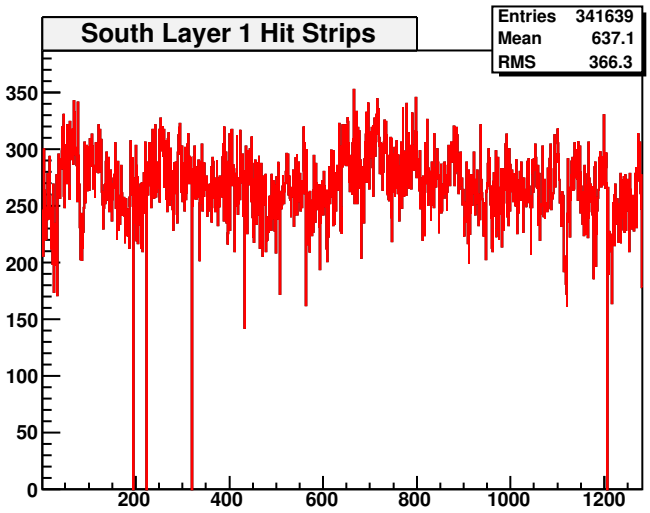


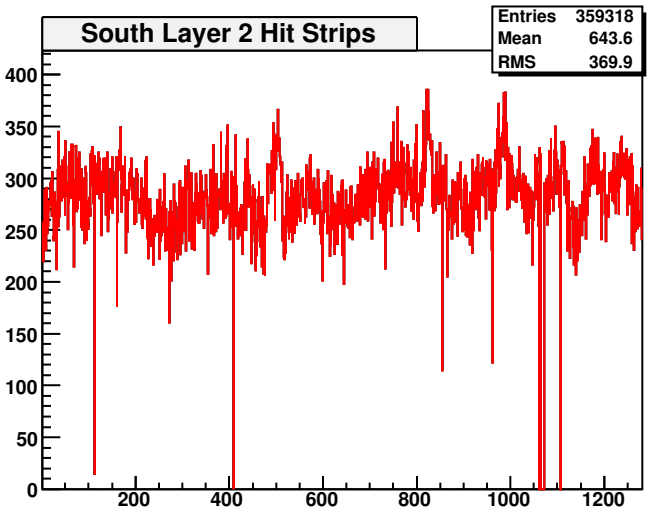
Calorimeter (All EC cells)

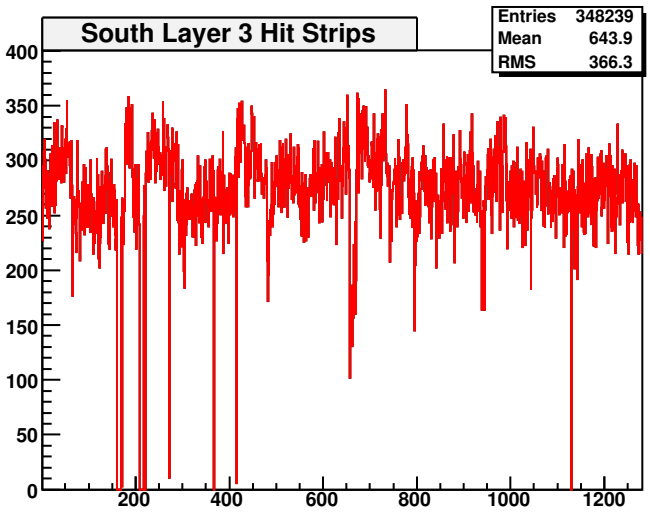


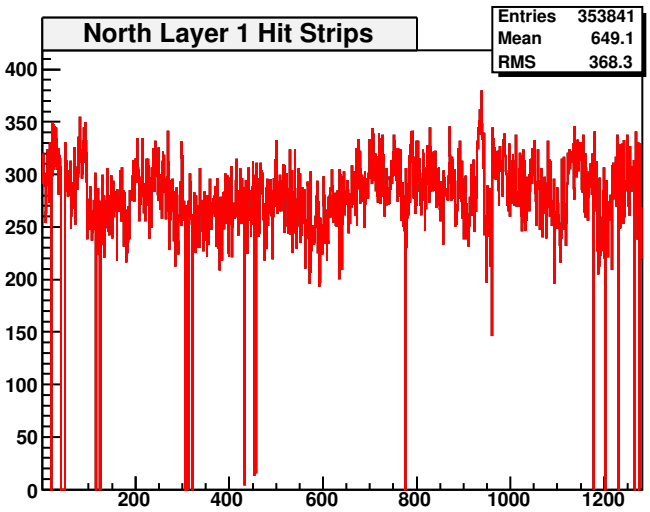
Cal Objects with MET>30 (All cells)

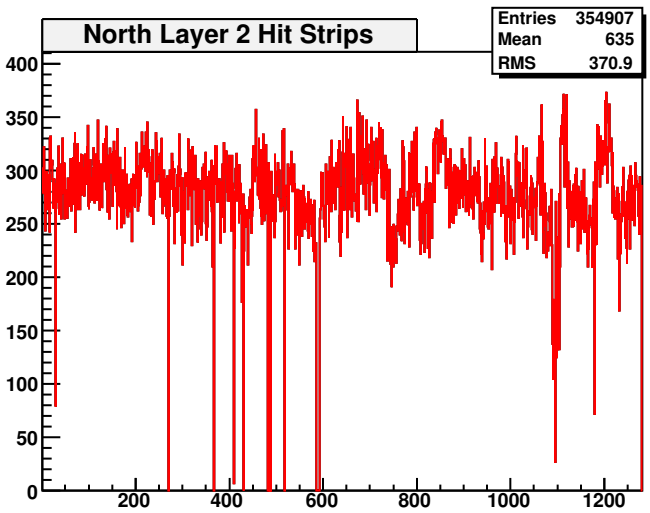

Event Quality Flag (Rate)
Entries 77
Mean 1.5
RMS 0
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

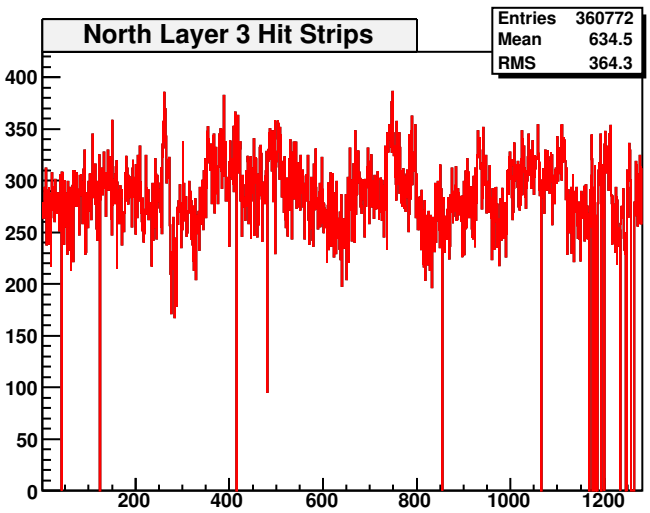




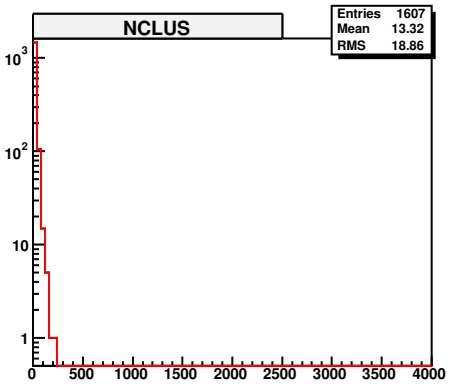


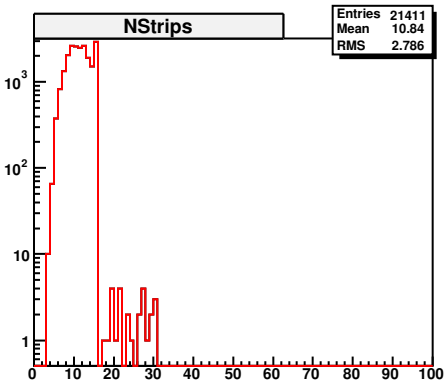


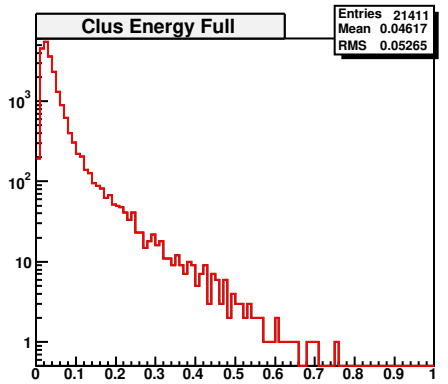


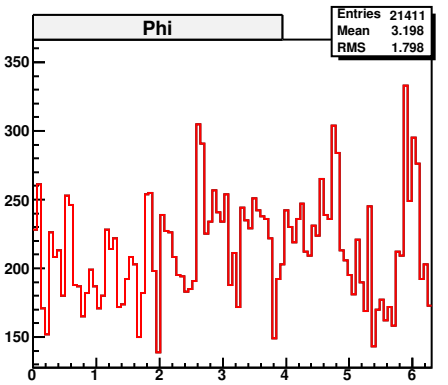


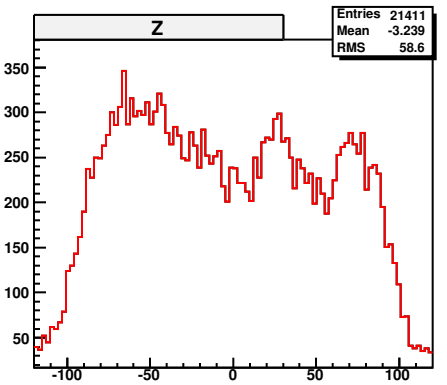
CPS Hit Strips (All Clusters)

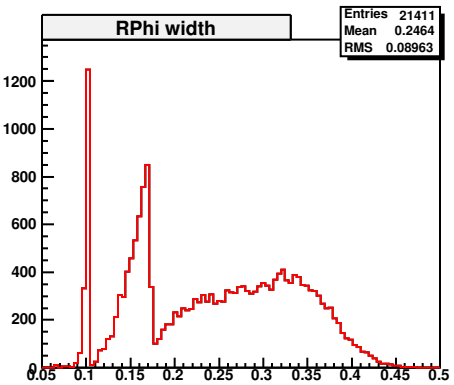


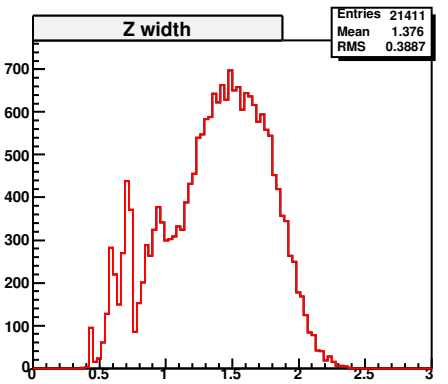


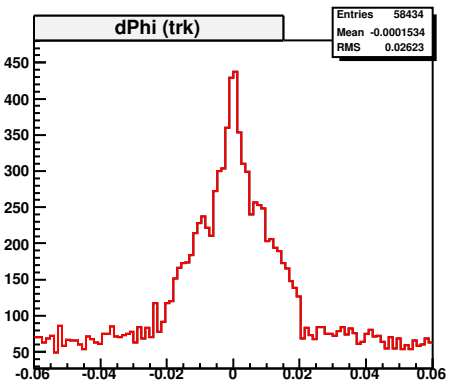


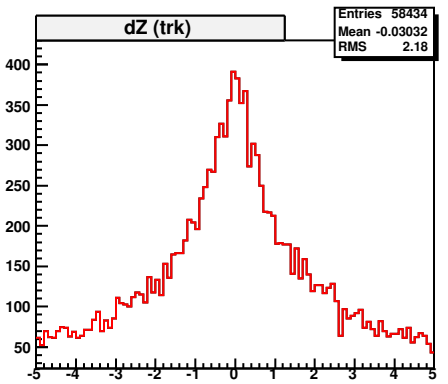


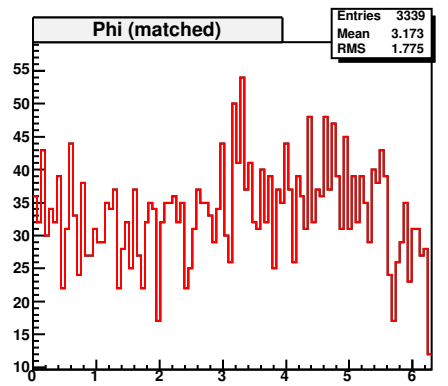


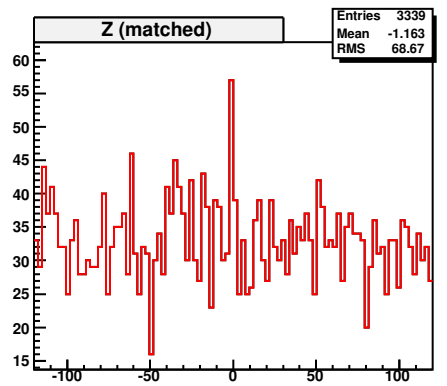




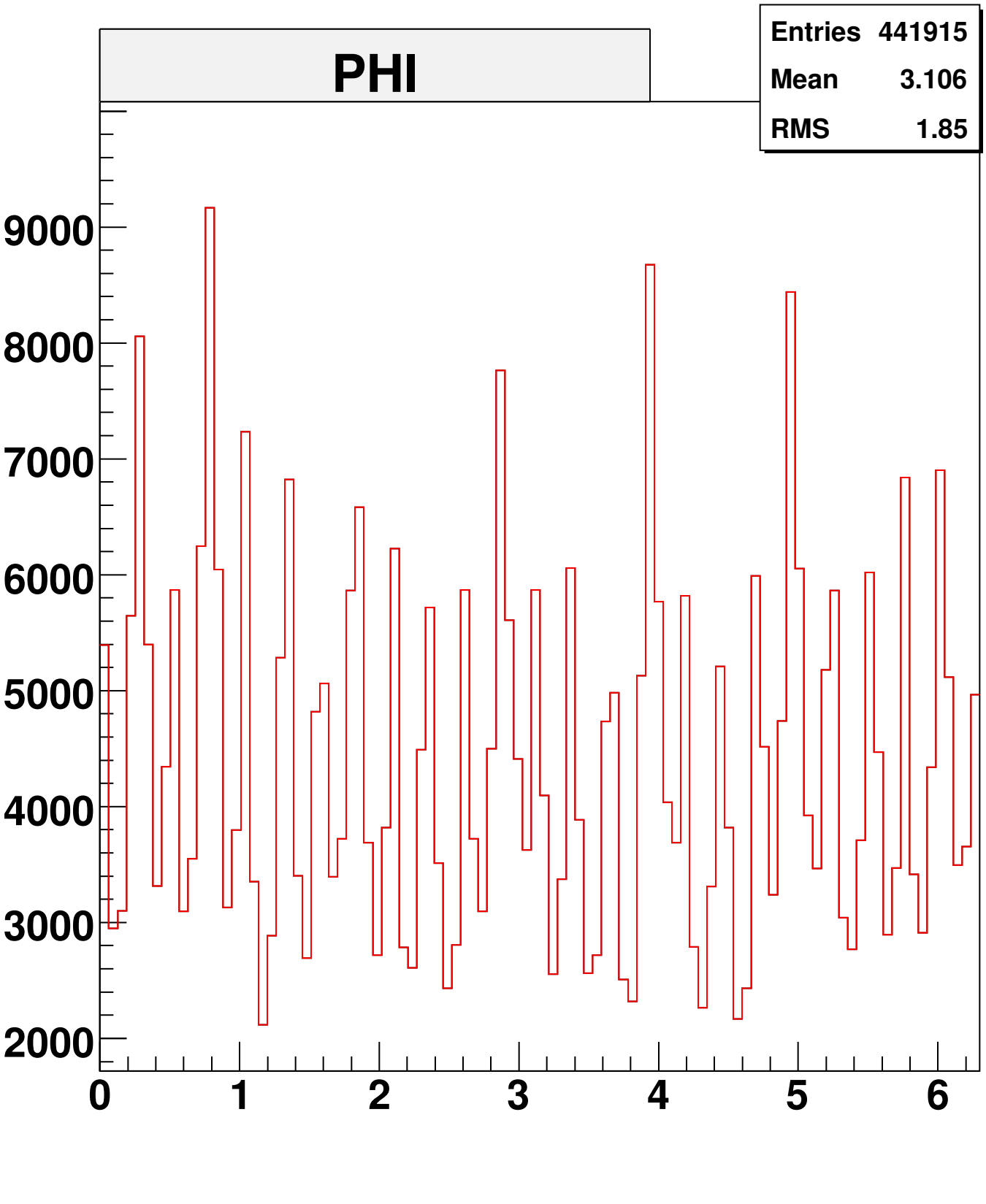


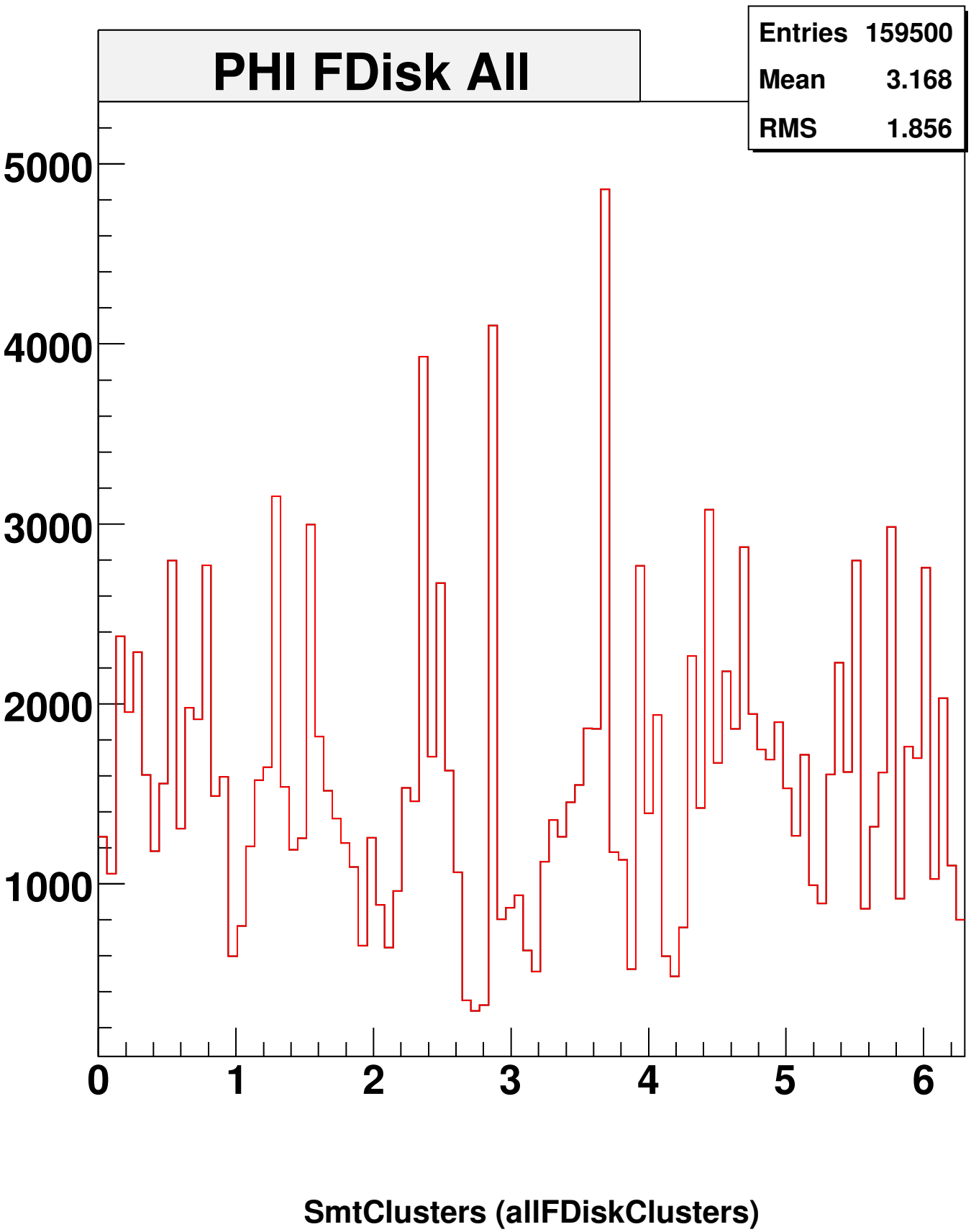


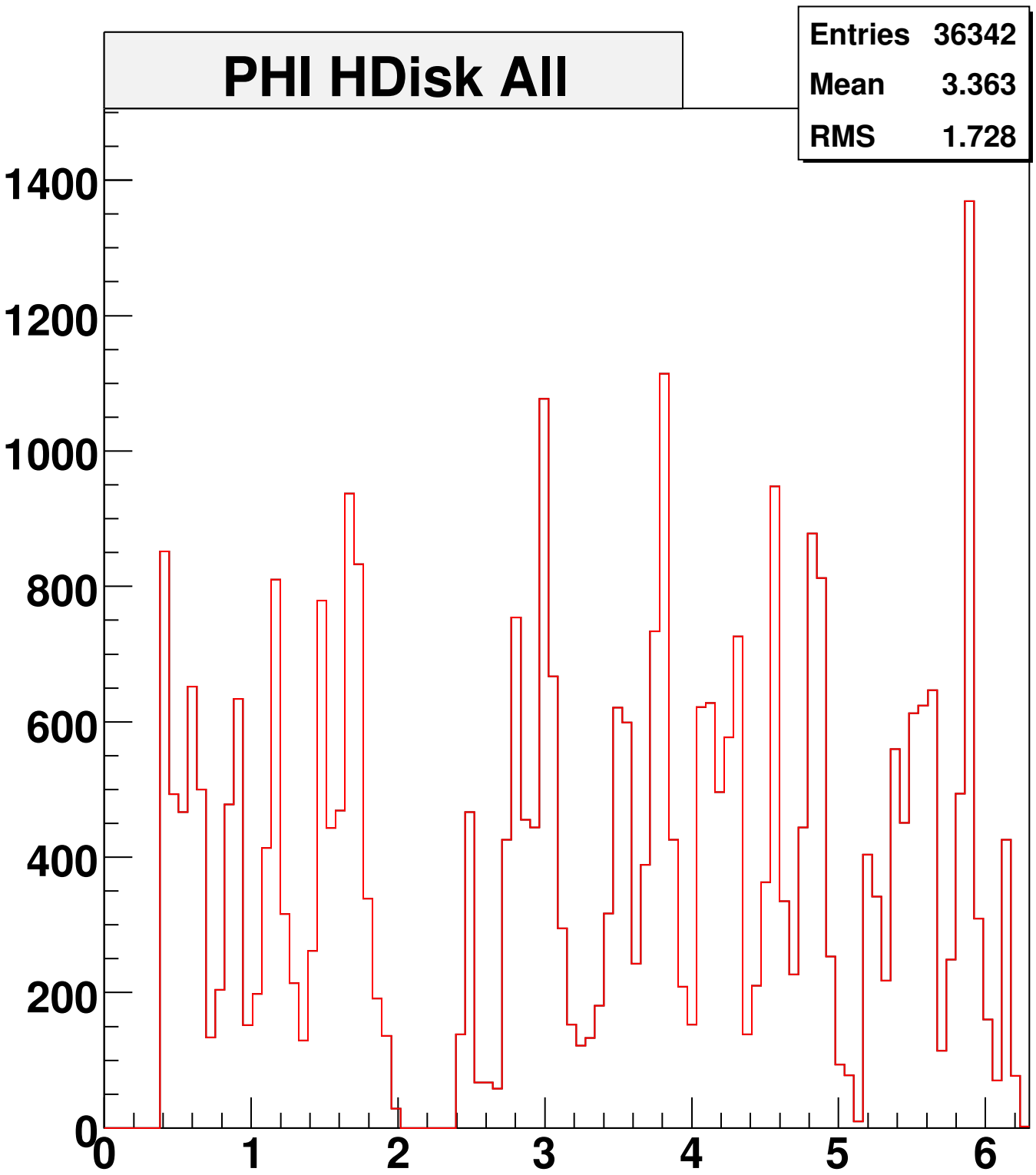


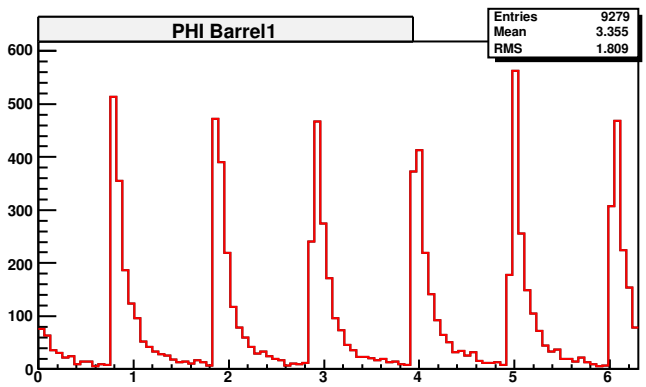


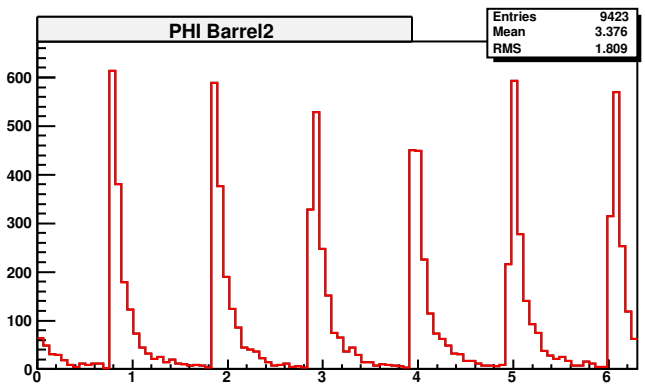
CPS Clusters (All Clusters)

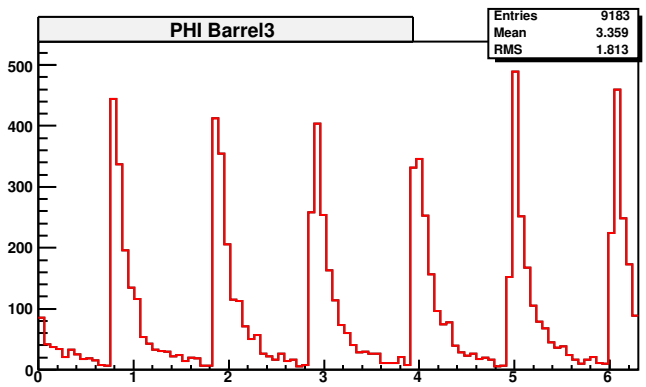

PHI
Entries 441915
Mean 3.106
RMS 1.85
9000
8000
7000
6000
5000
4000
3000
2000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

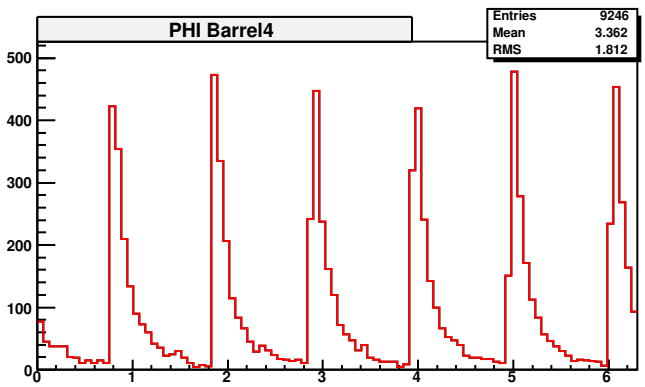

PHI FDisk All
Entries 159500
Mean 3.168
RMS 1.856
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

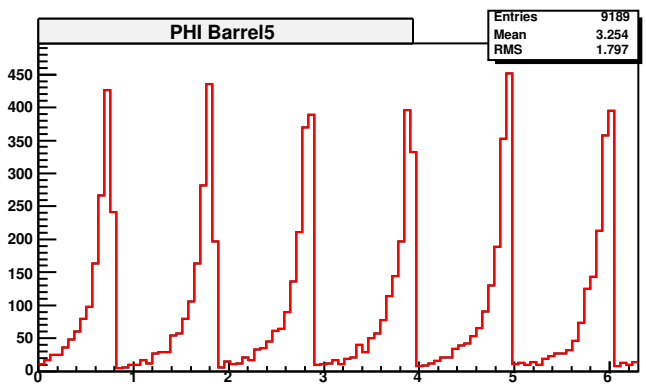

PHI HDisk All
Entries 36342
Mean 3.363
RMS 1.728
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

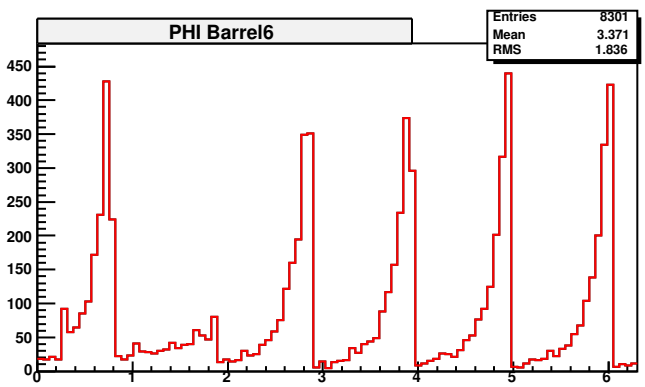


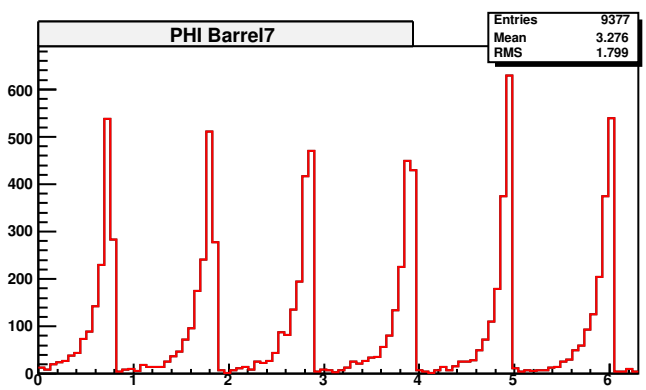


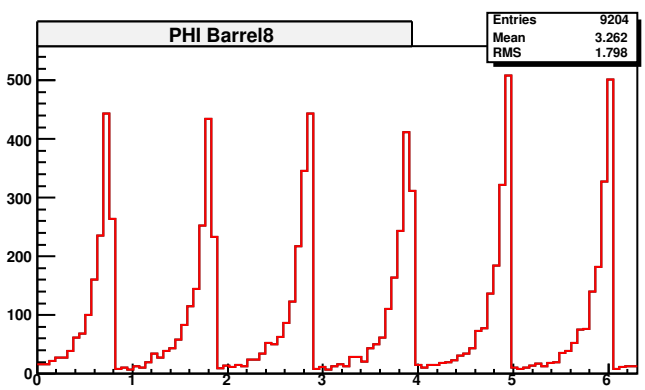




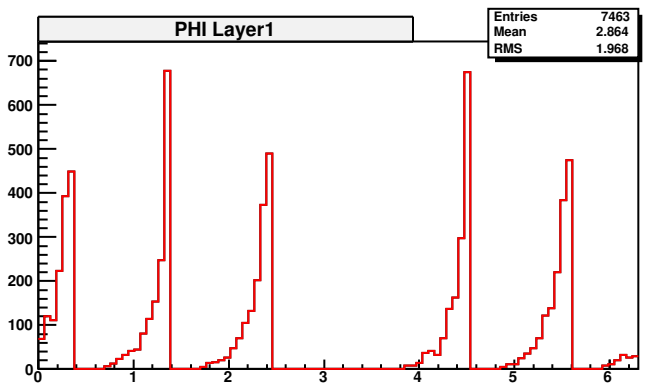


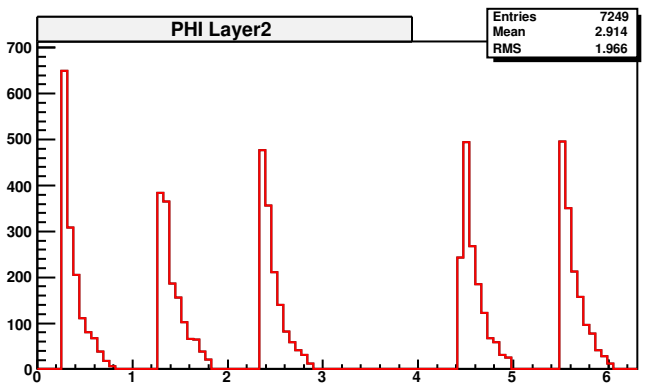


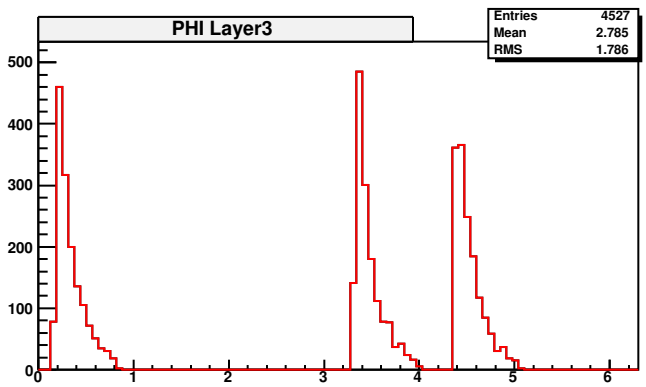


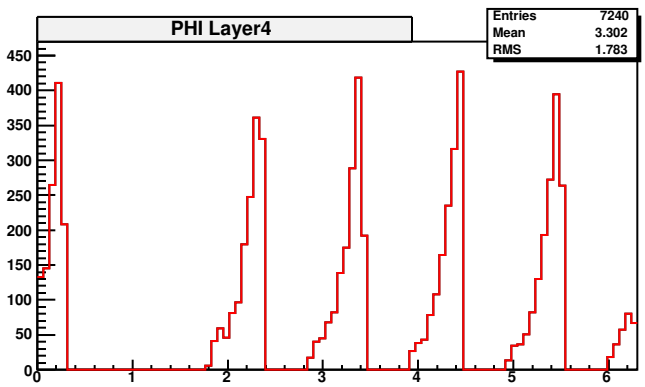


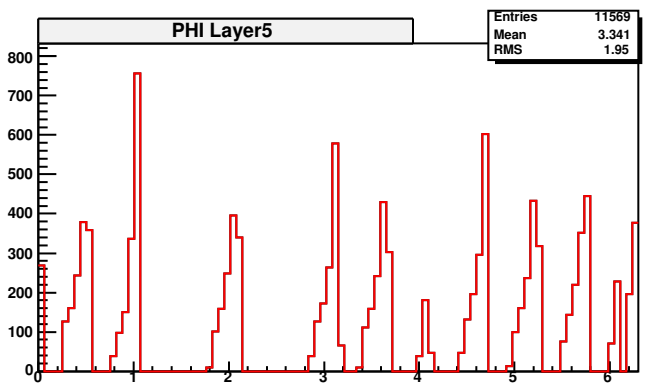
SmtClusters (ClustrLayer0)

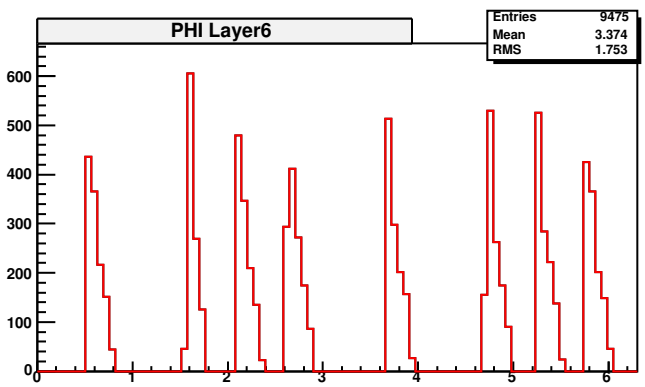


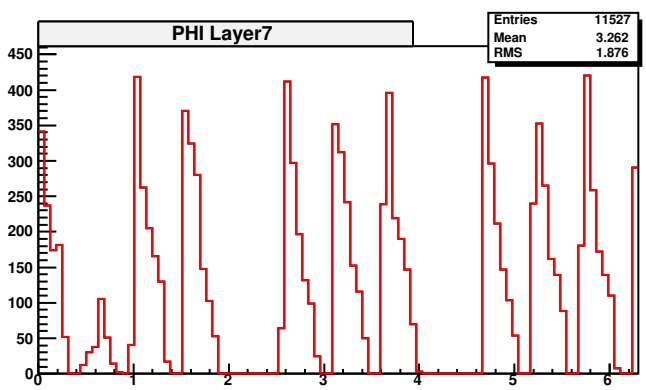


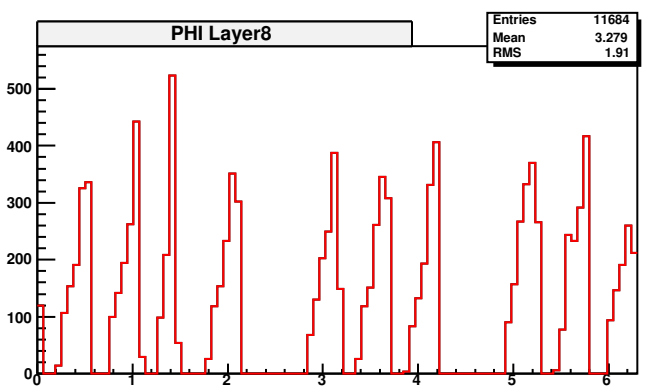




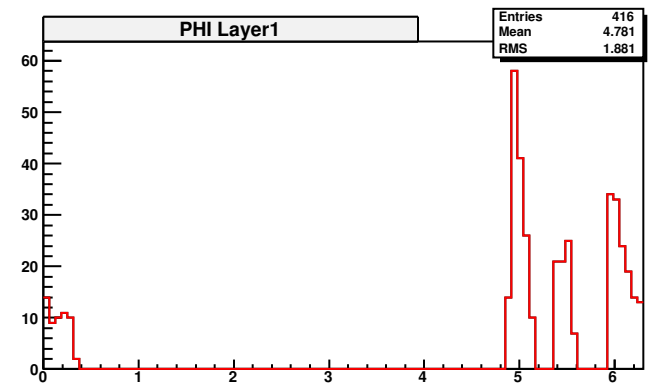


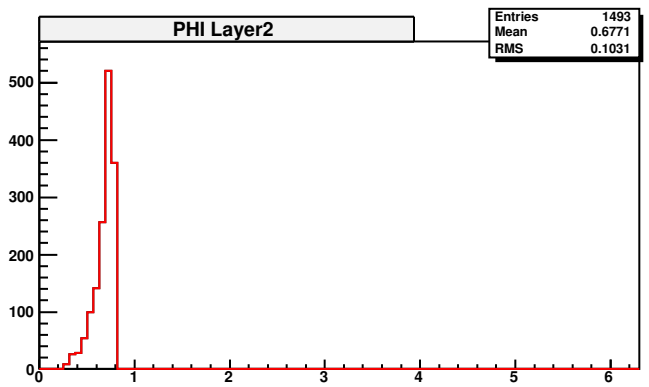


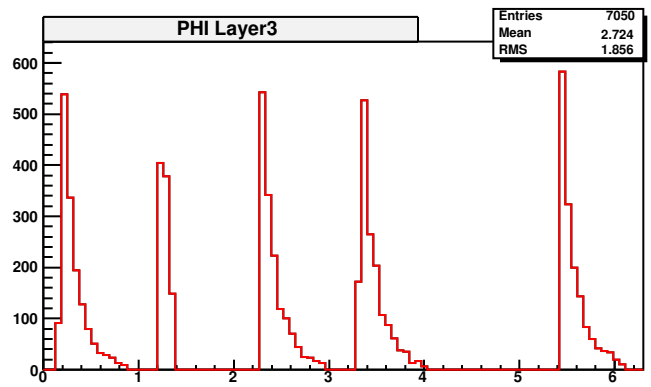


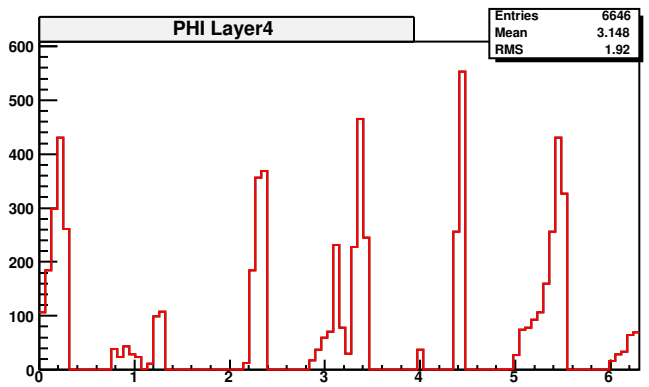


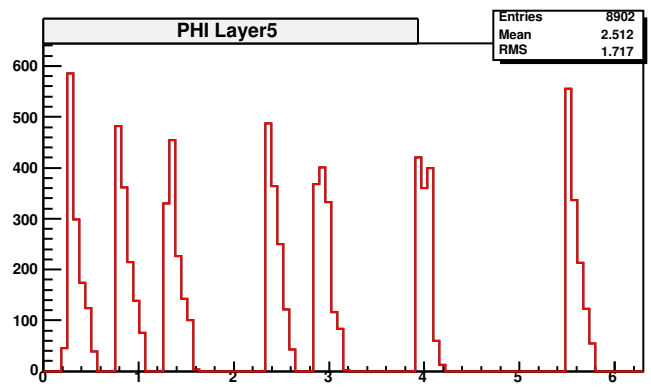
SmtClusters (ClustrBar1)

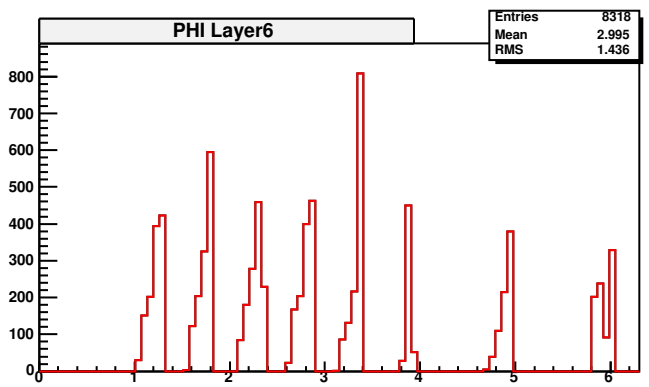


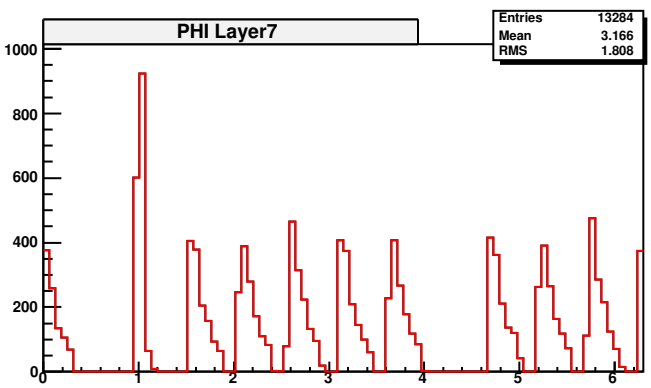


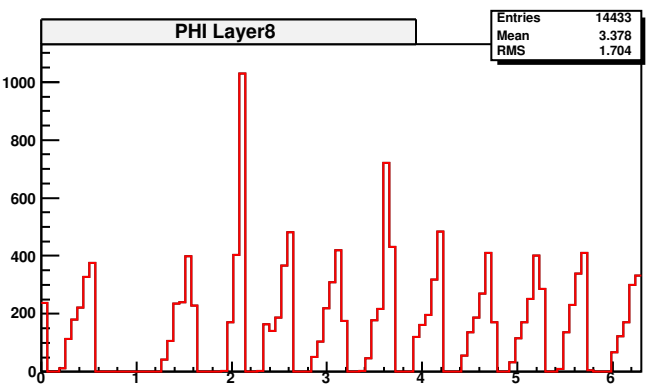




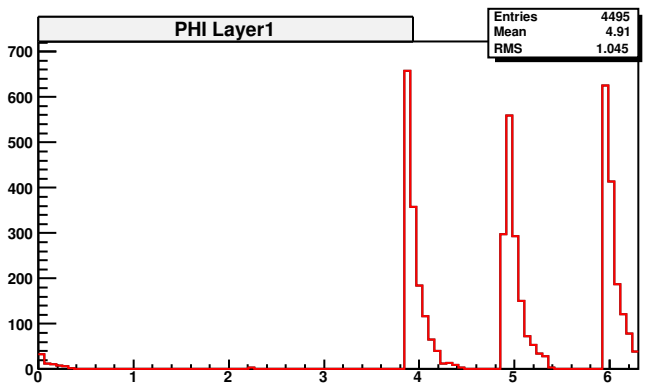


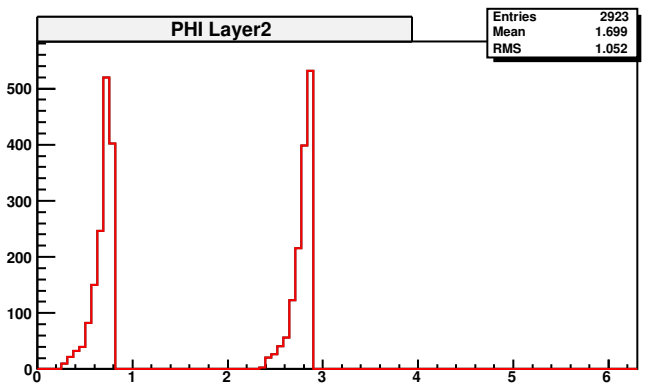


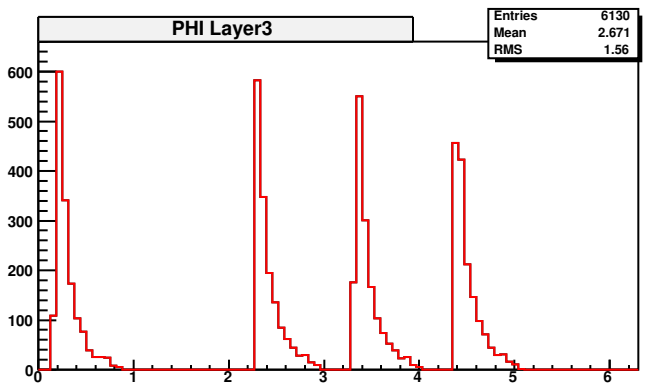


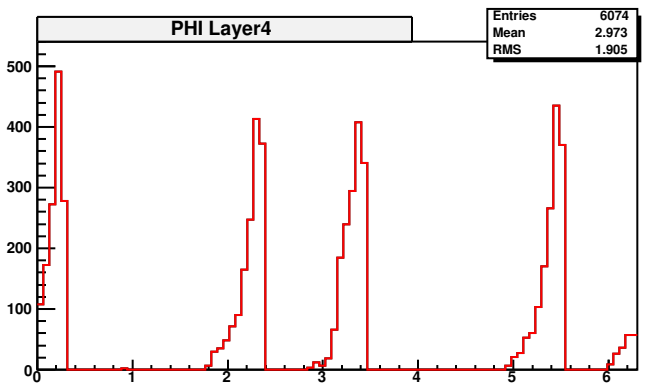


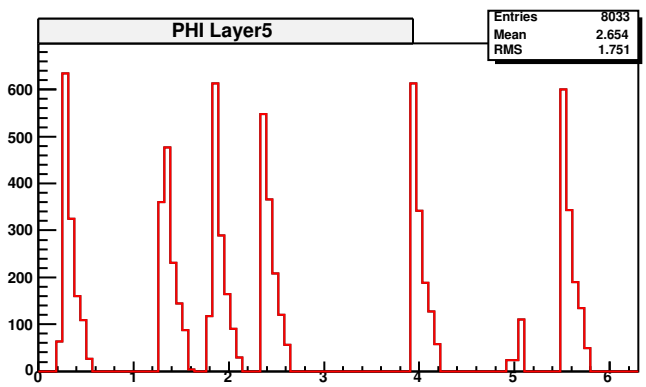
SmtClusters (ClustrBar2)

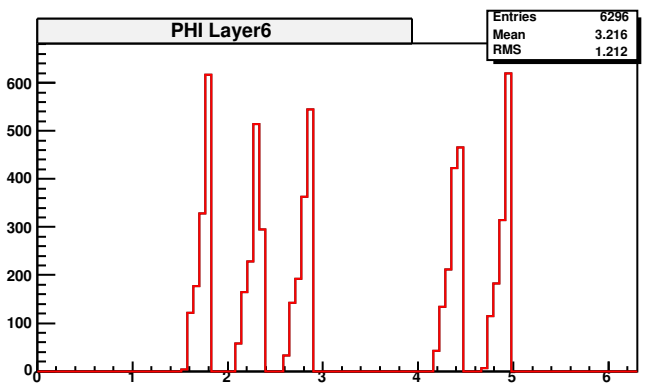


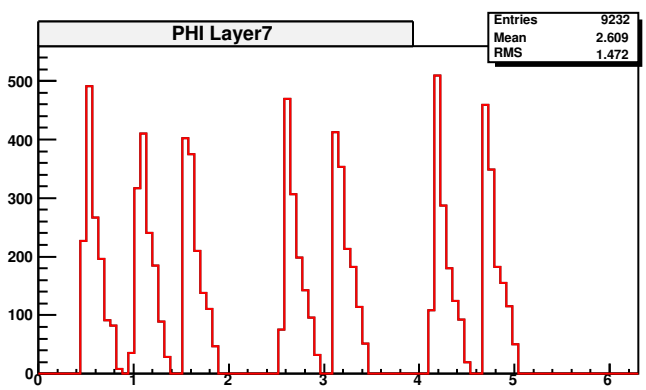


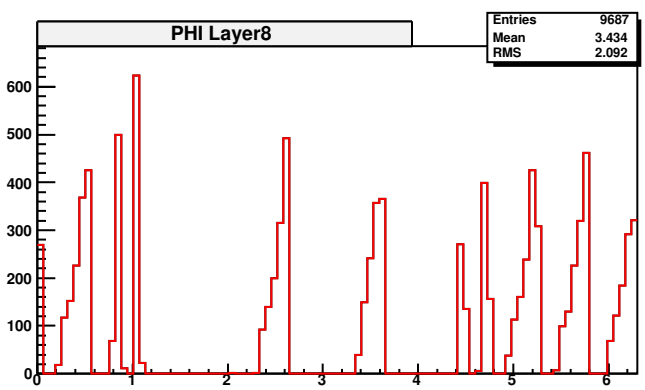




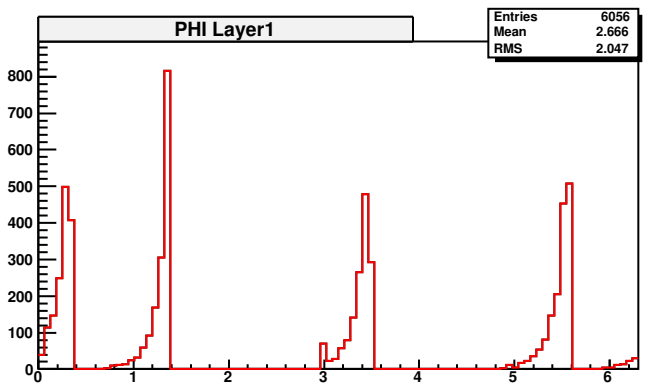


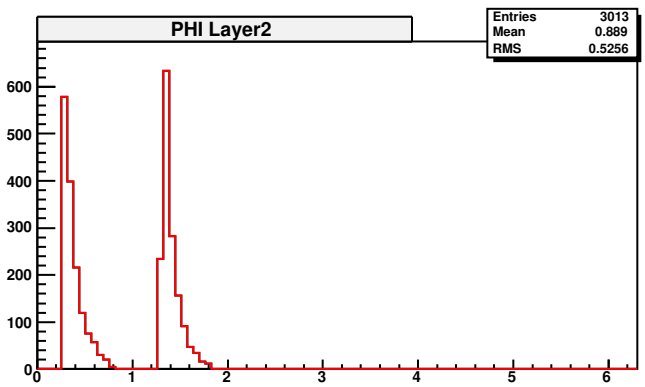


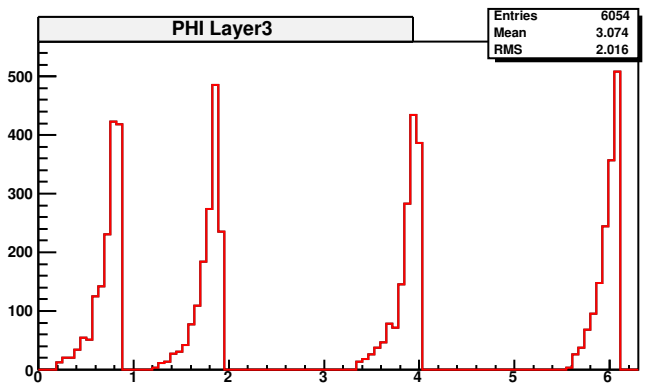


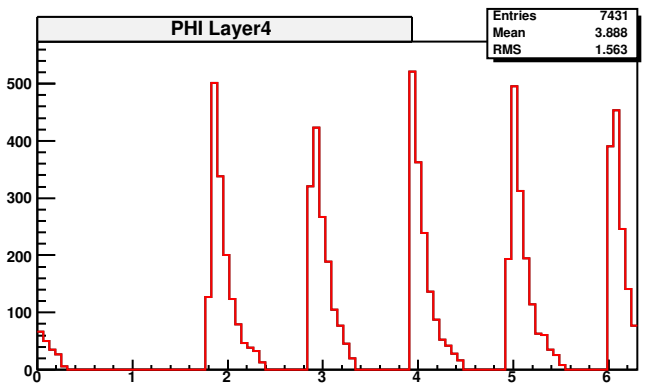


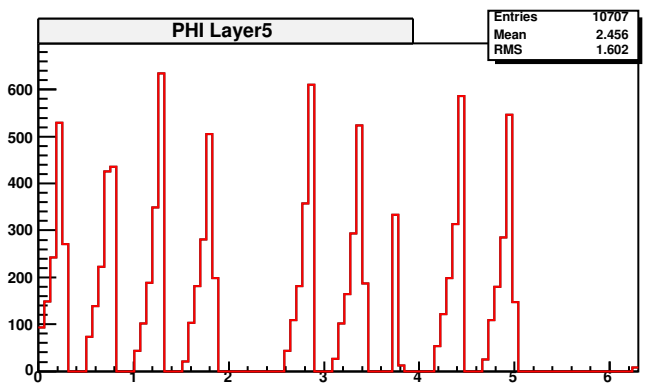
SmtClusters (ClustrBar3)

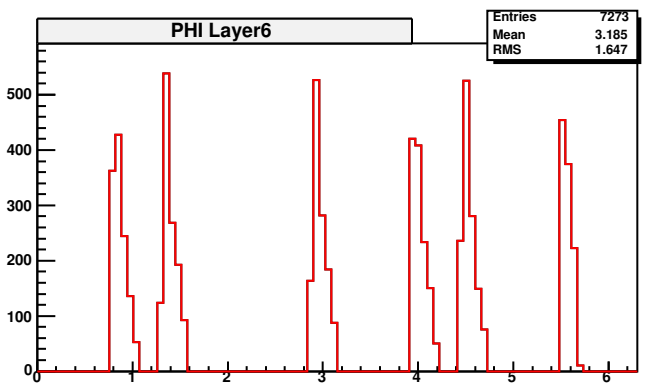


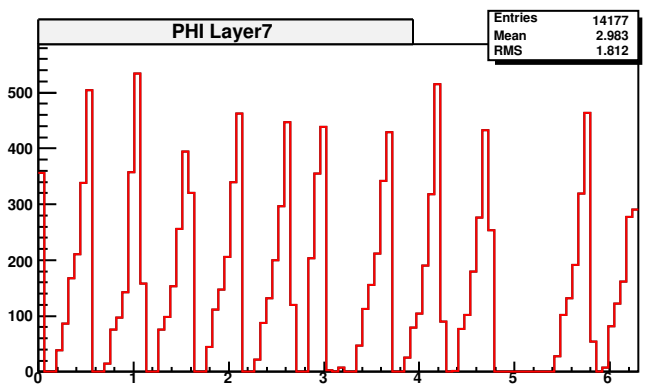


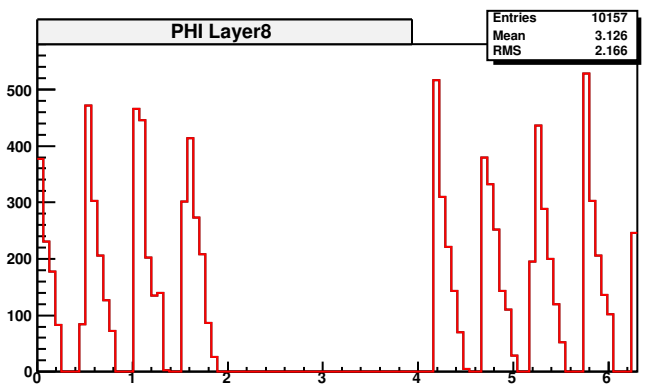




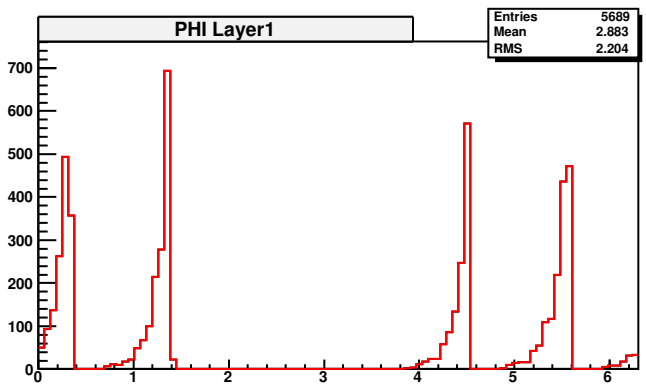


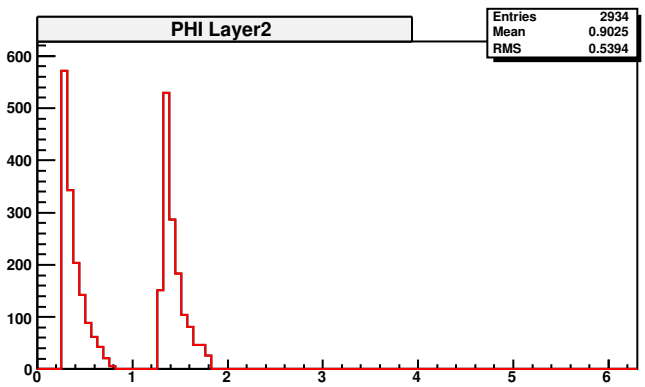


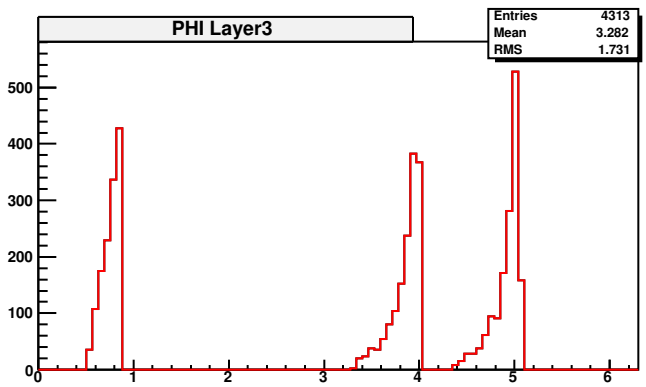


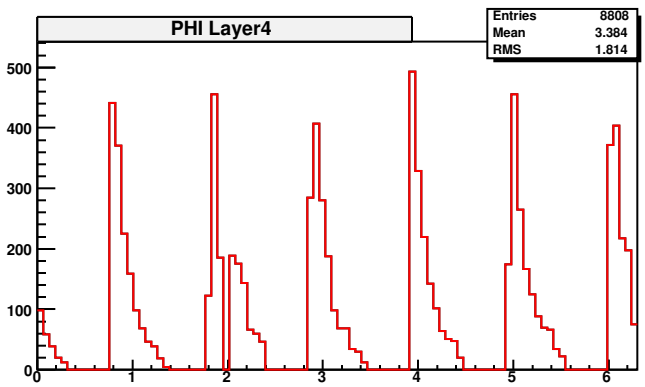


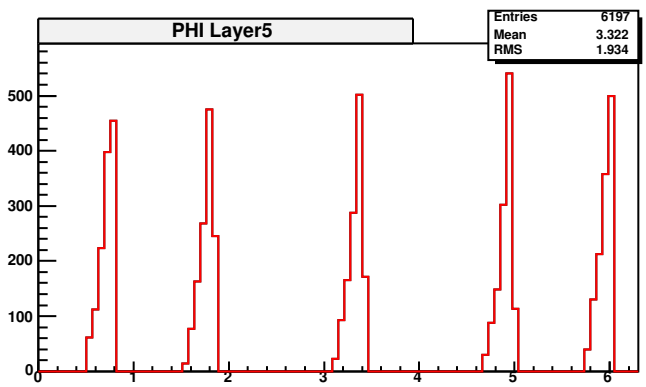
SmtClusters (ClustrBar4)

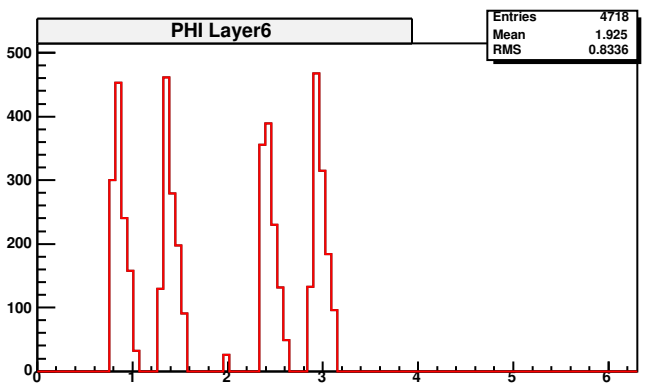


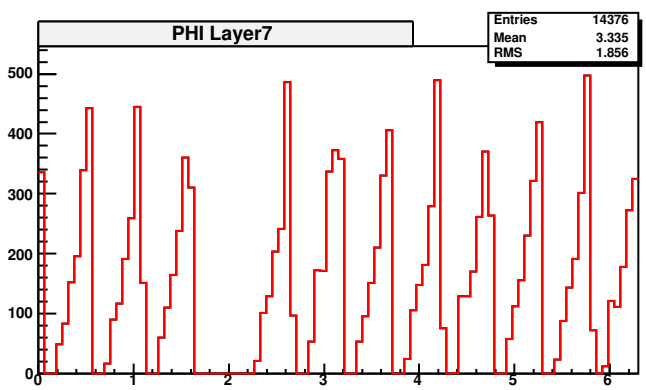


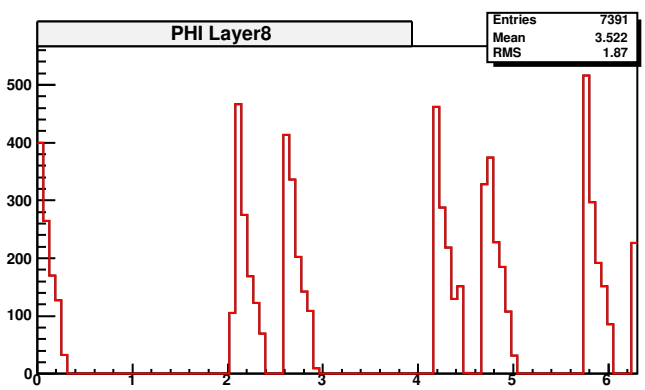




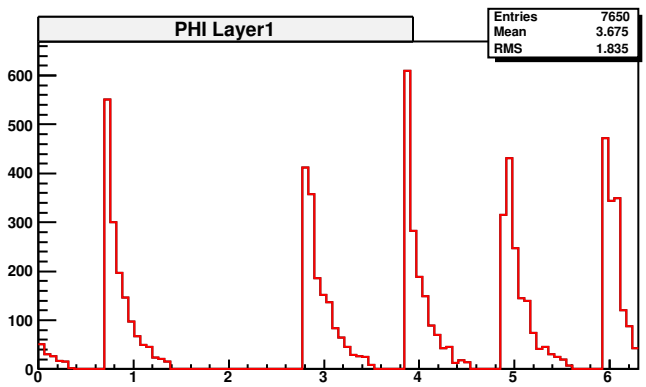


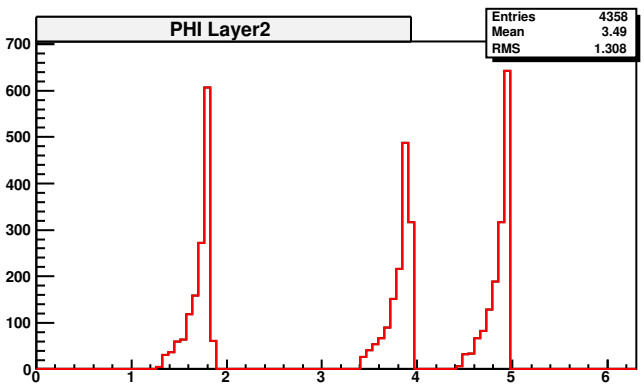


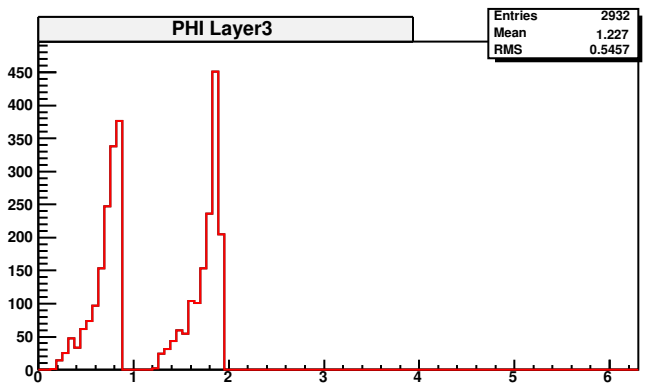


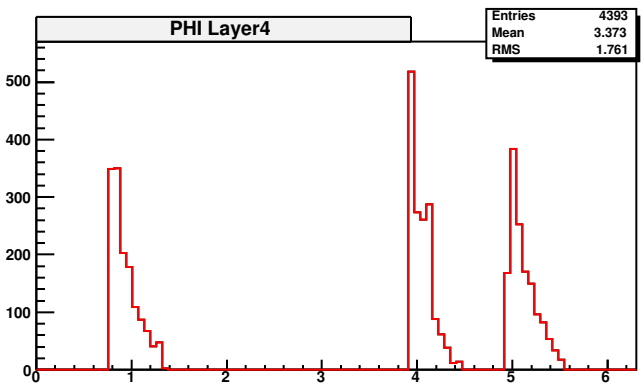


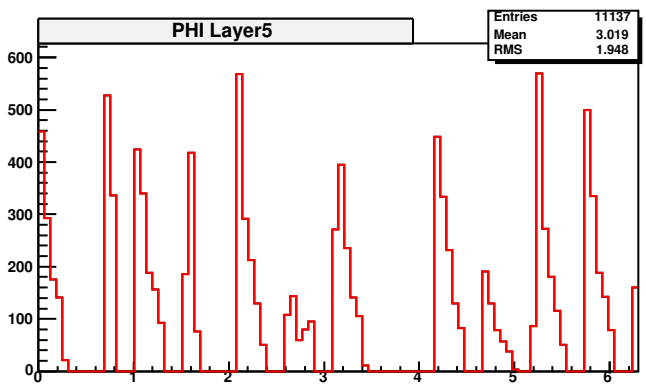
SmtClusters (ClustrBar5)

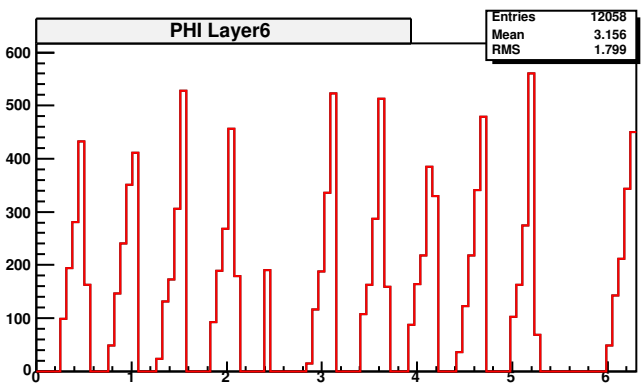


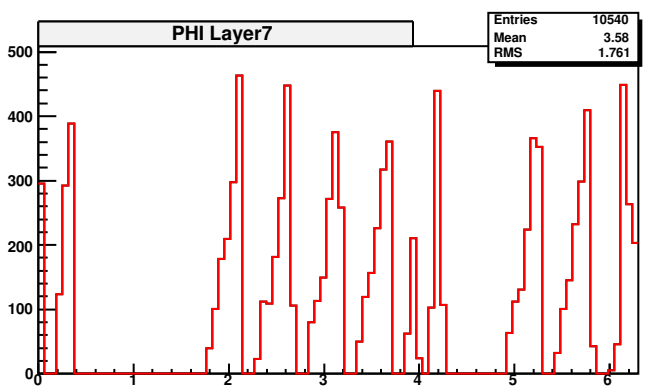


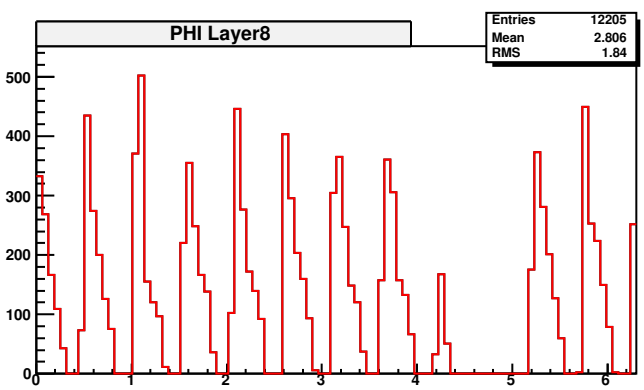




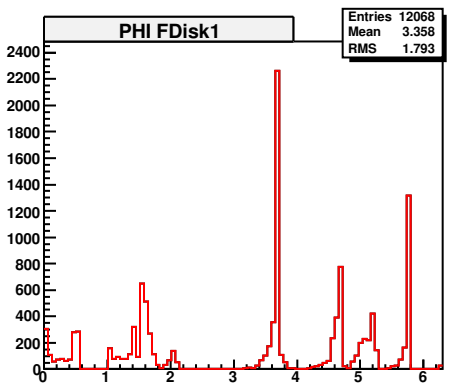


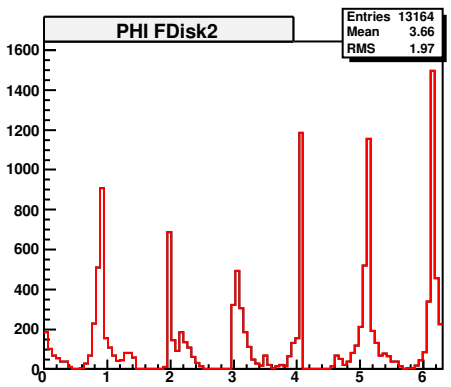


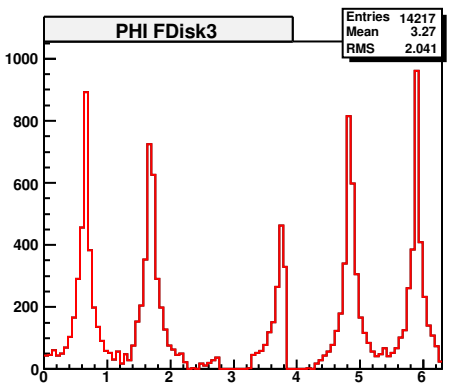


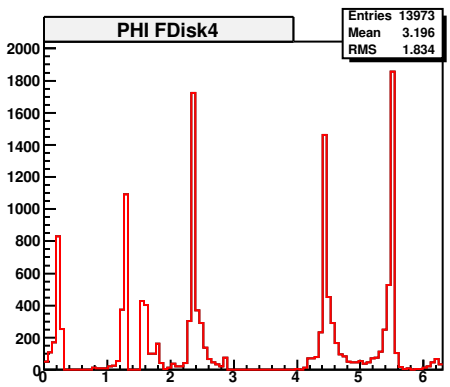


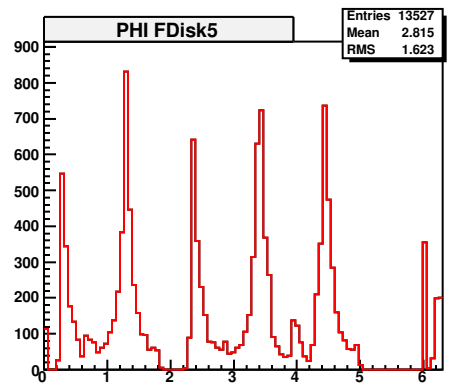
SmtClusters (ClustrBar6)

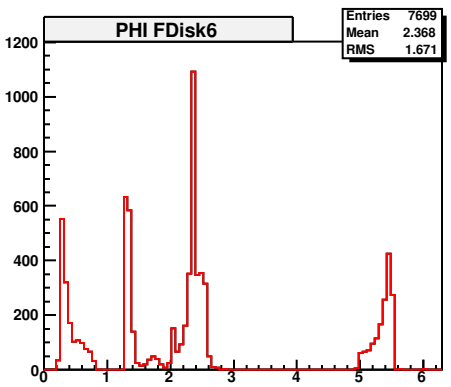


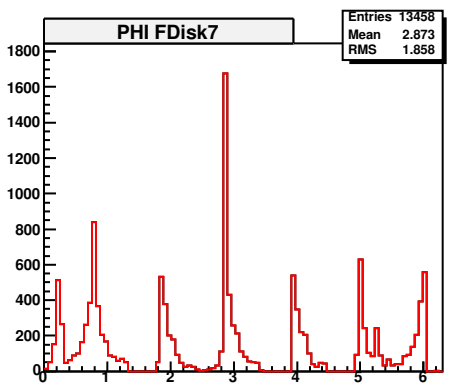


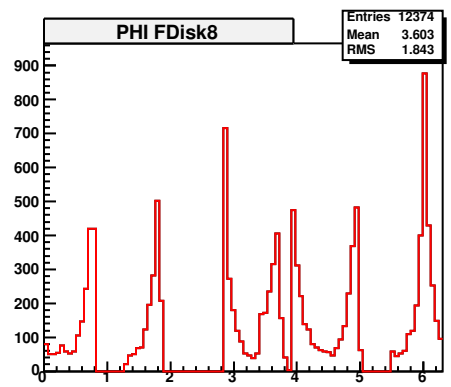


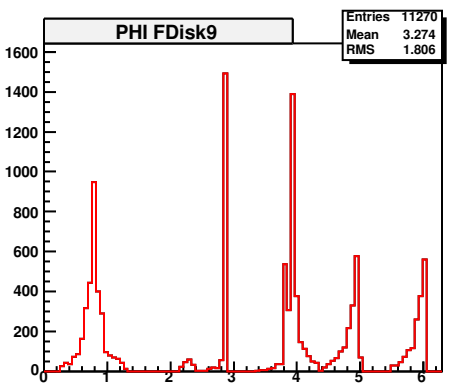


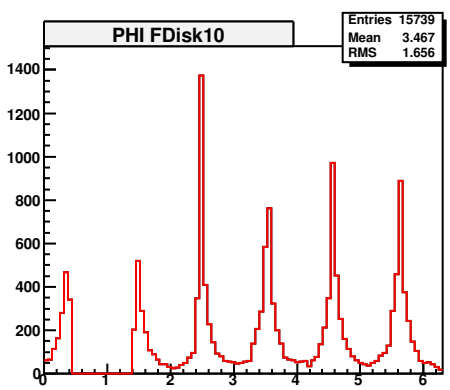


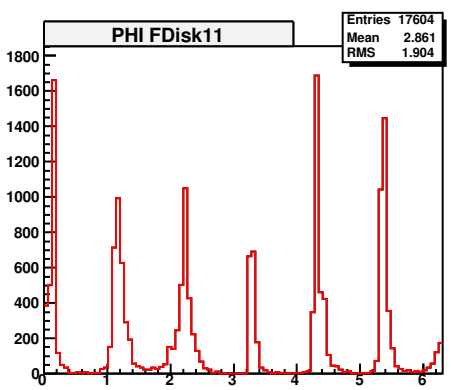


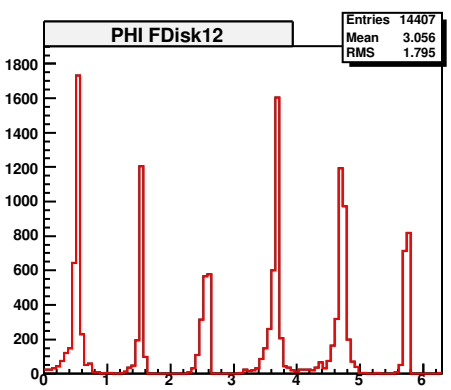




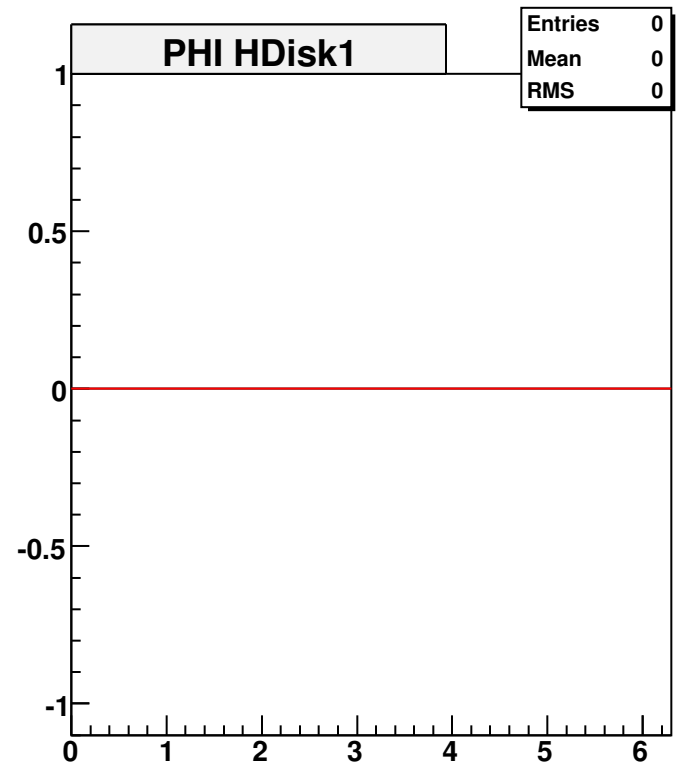


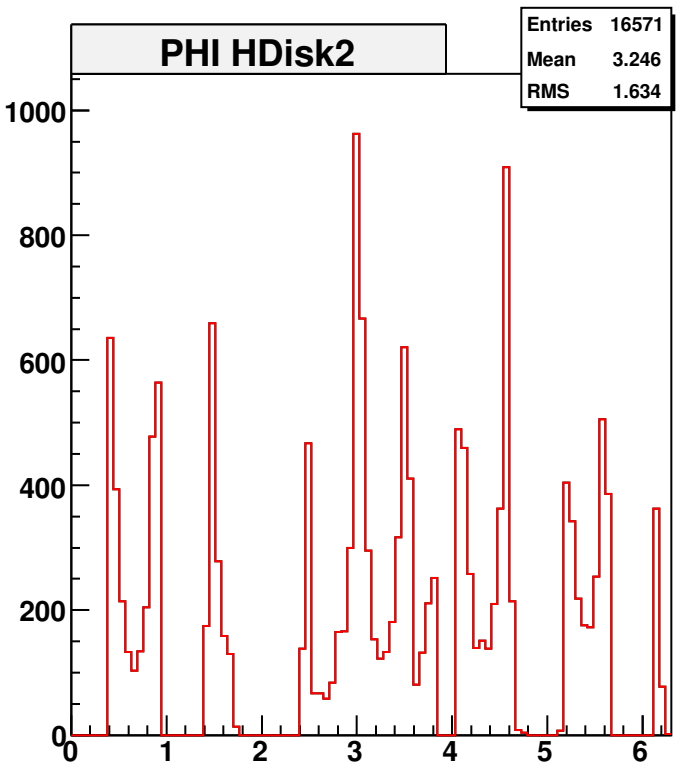


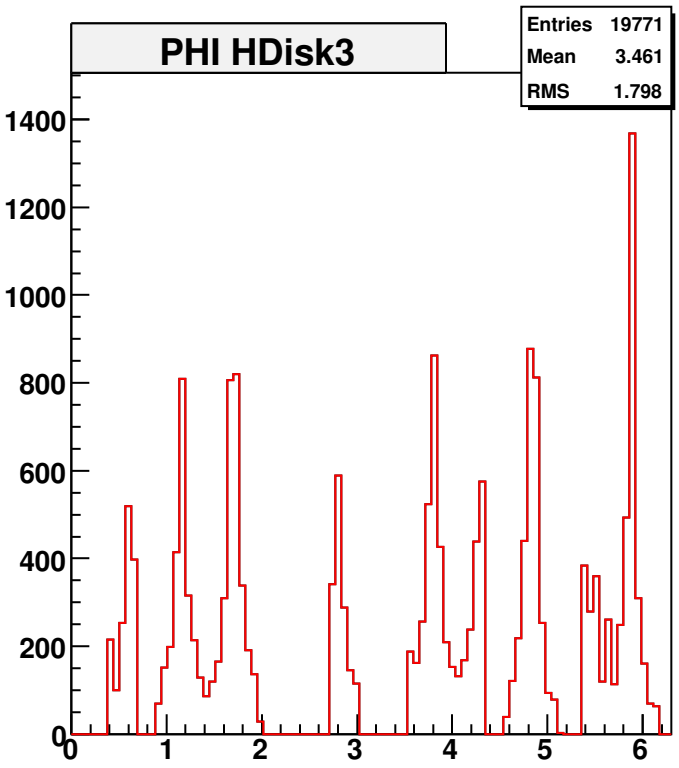


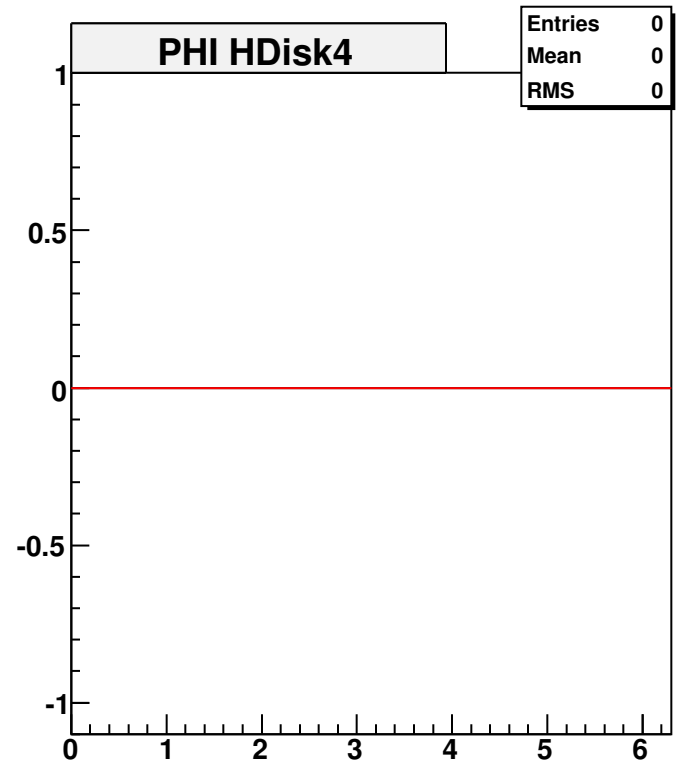


SmtClusters (FDiskClusters)

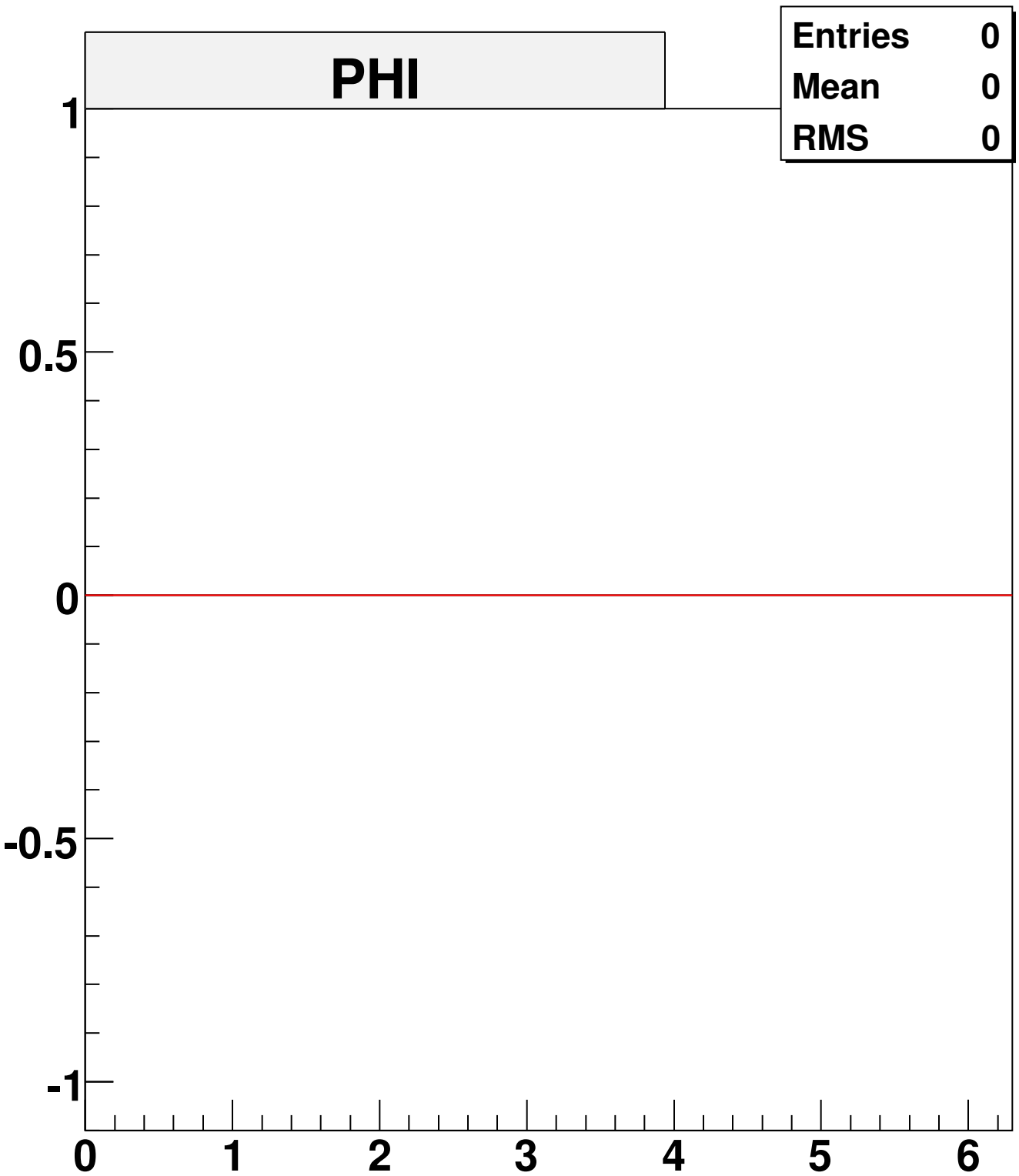


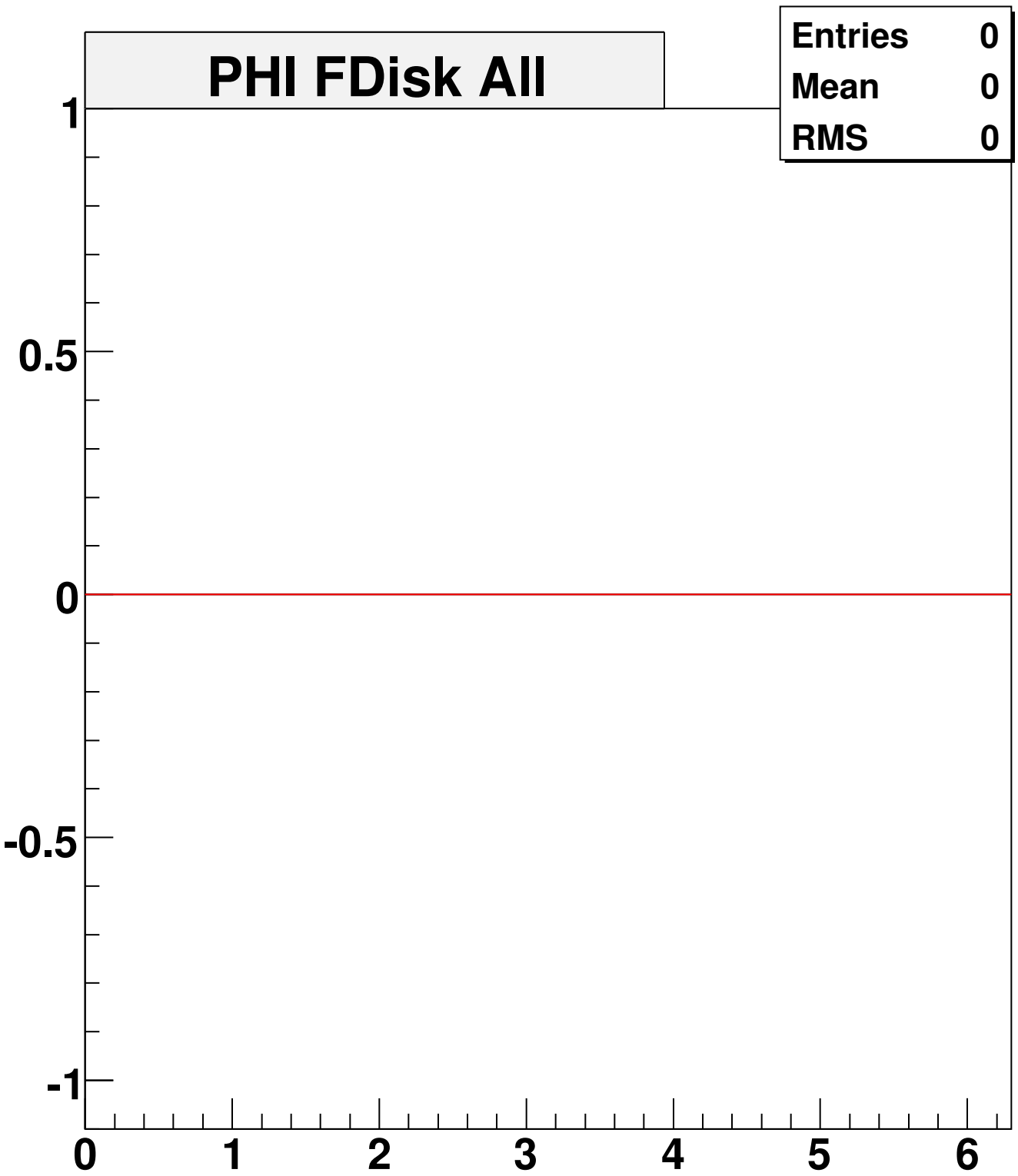






SmtClusters (HDiskClusters)


PHI
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)


PHI FDisk All
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Mean 0
RMS 0
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0
1
2
3
4
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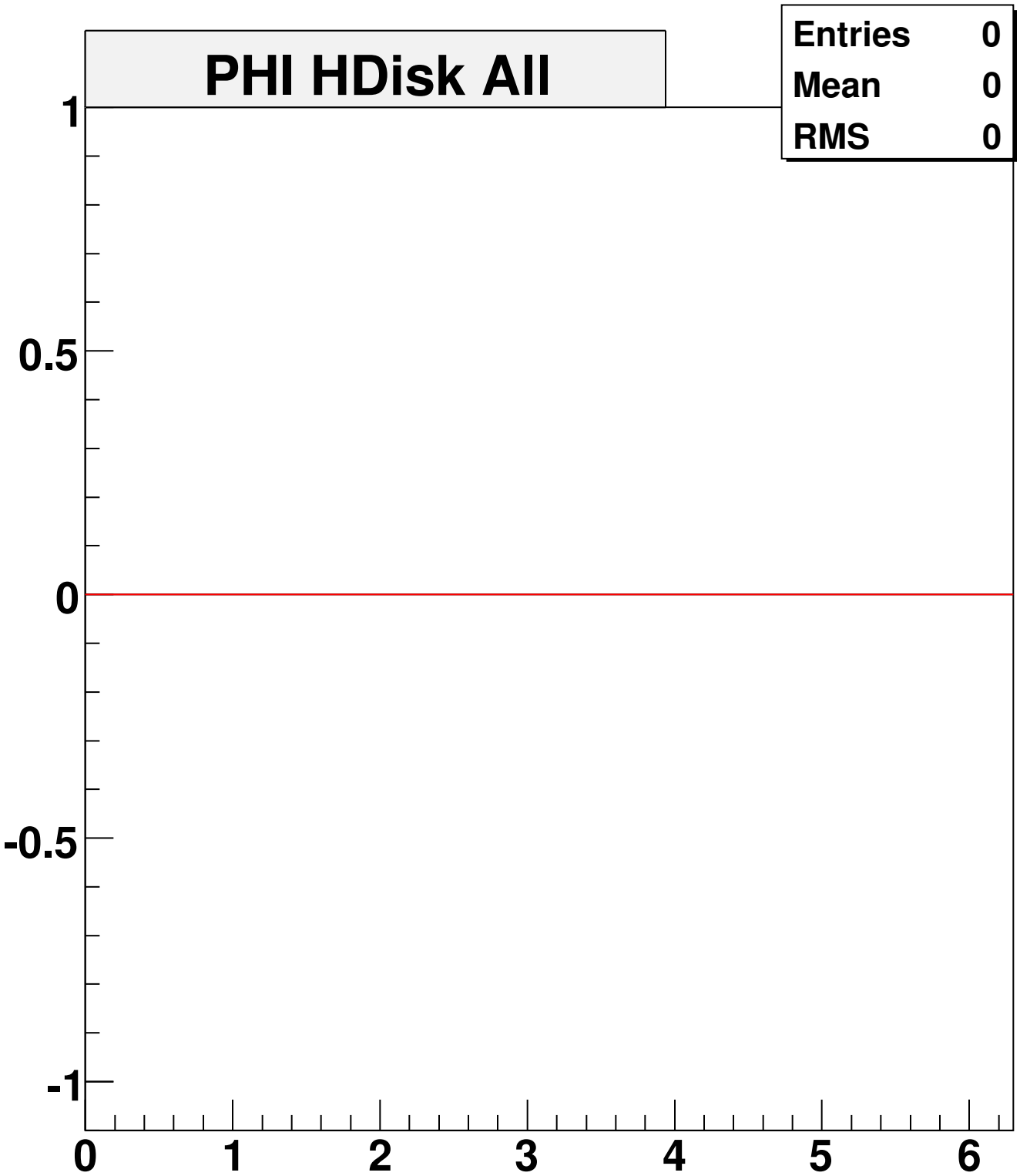
6
SmtClusters (allFDiskTClusters)


PHI HDisk All
Entries 0
Mean 0
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1
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-1
0
1
2
3
4
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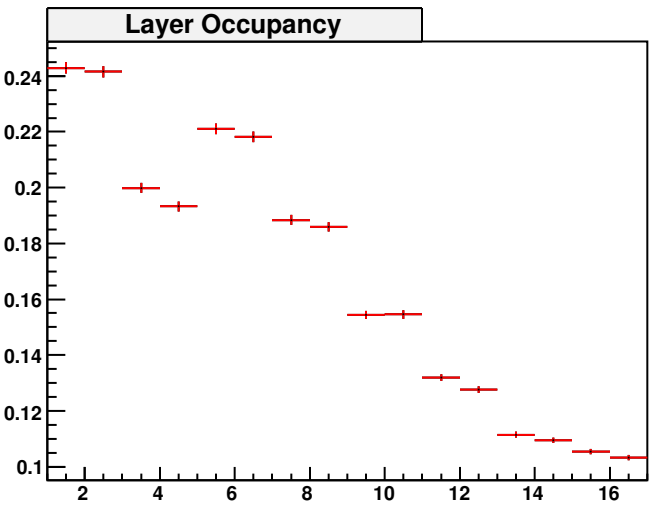
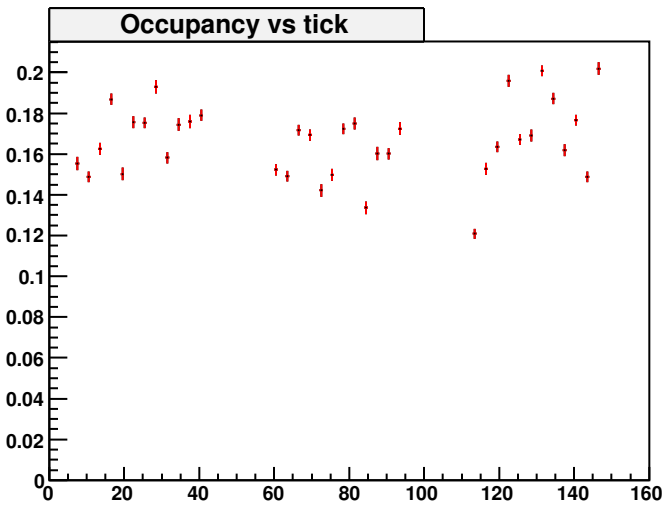
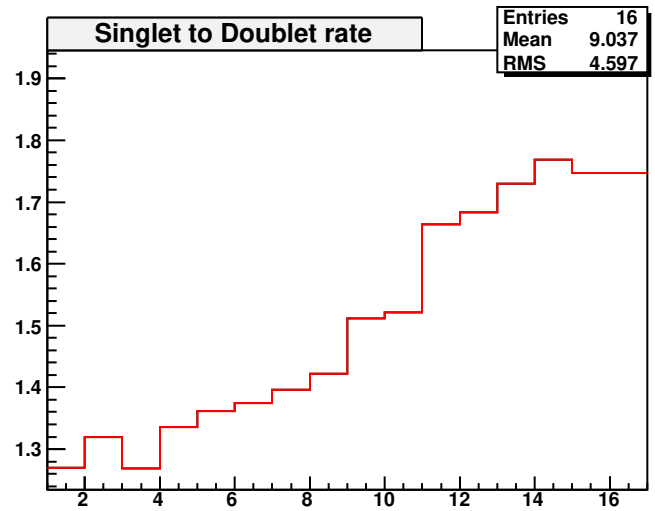
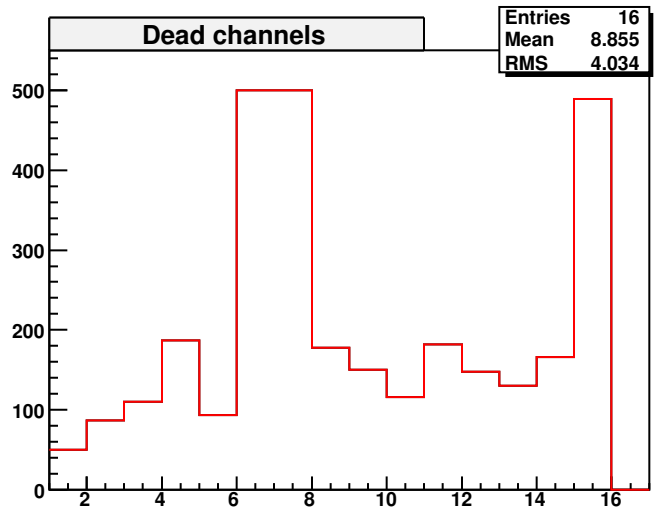
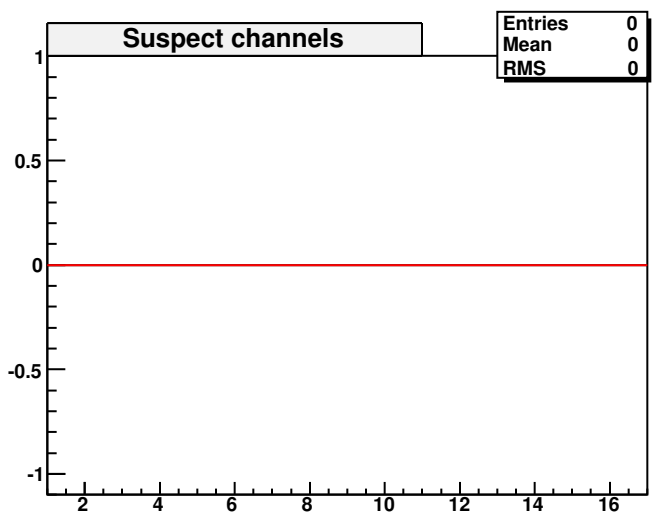
6
SmtClusters (allHDiskTClusters)

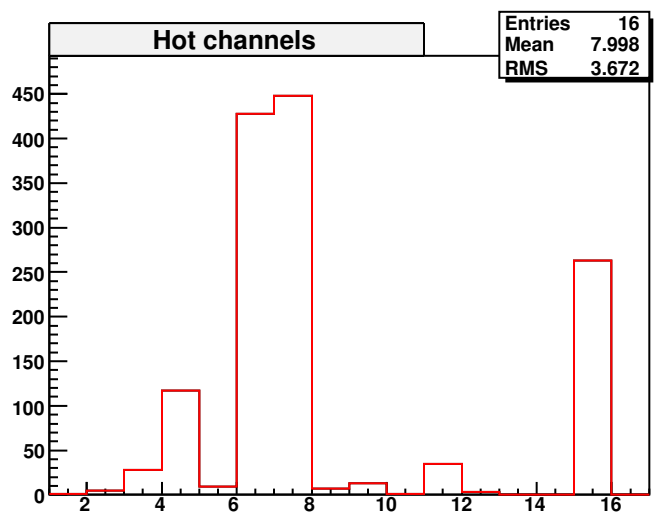




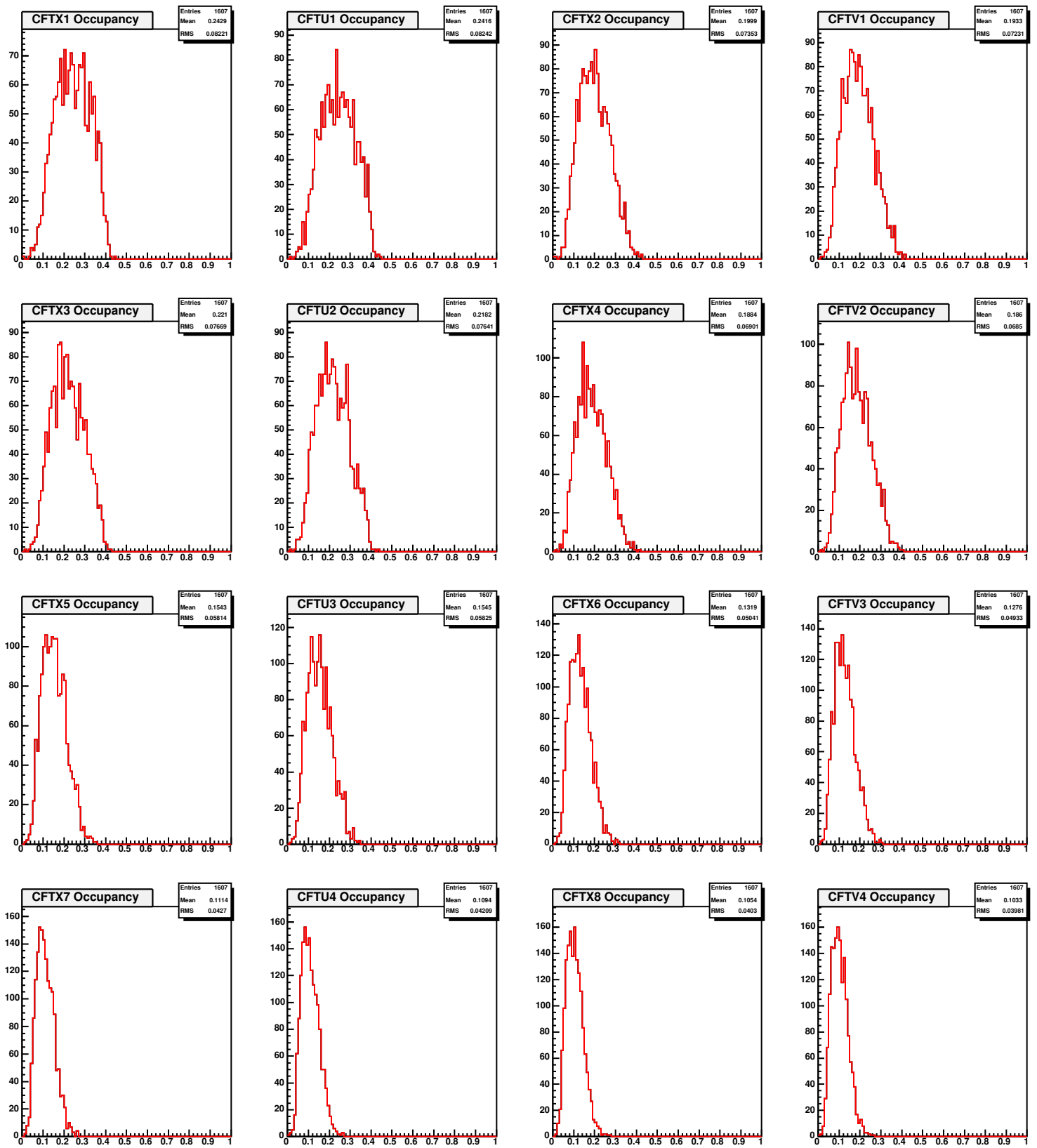




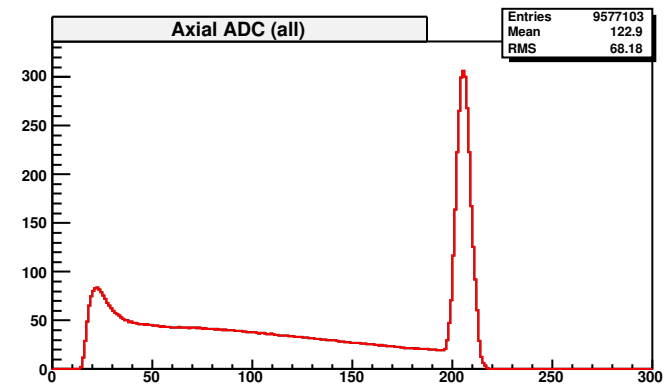


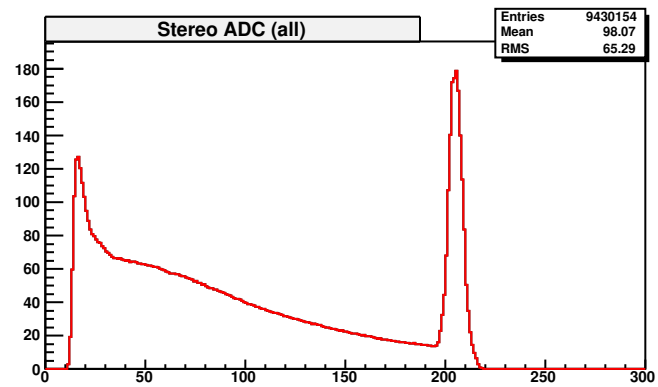


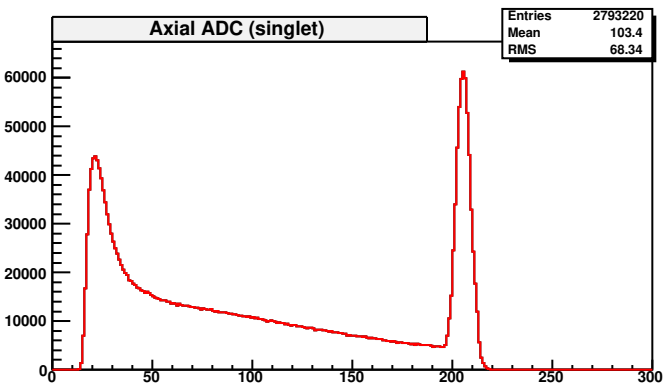
CFT Summary (All Clusters)

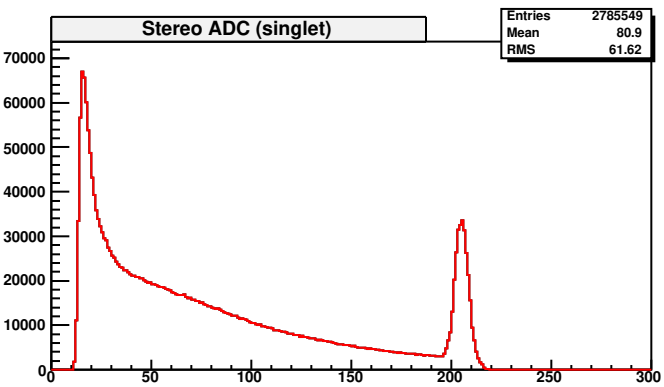


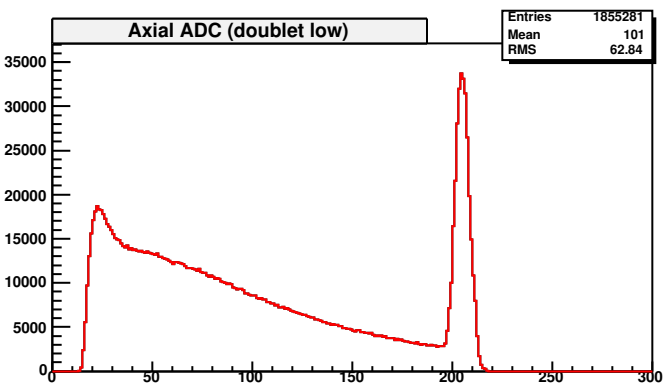
CFT Occupancy (All Clusters)

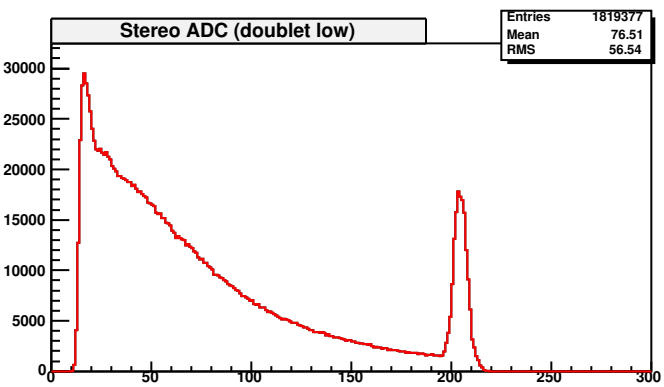


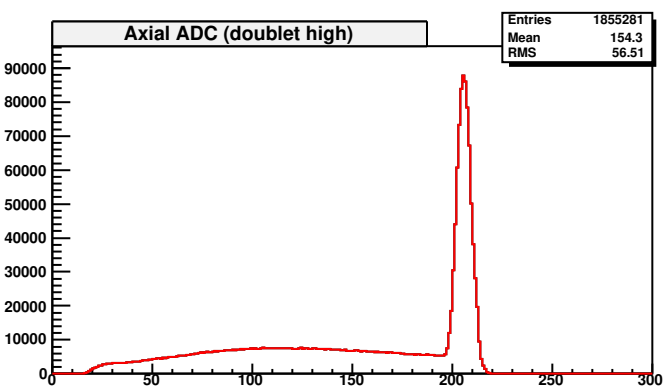


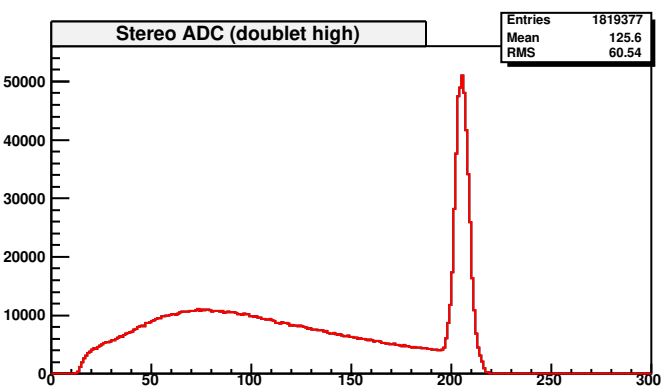




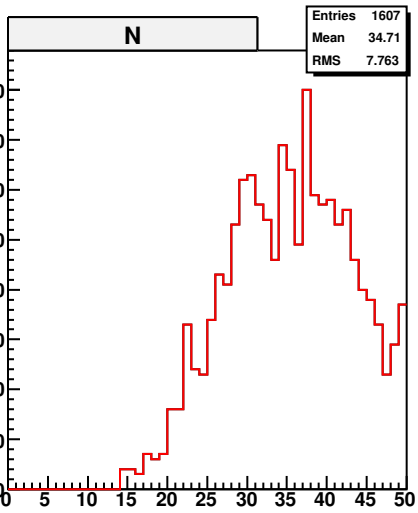


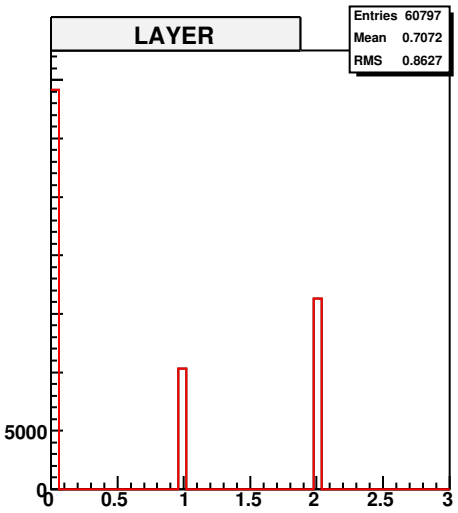


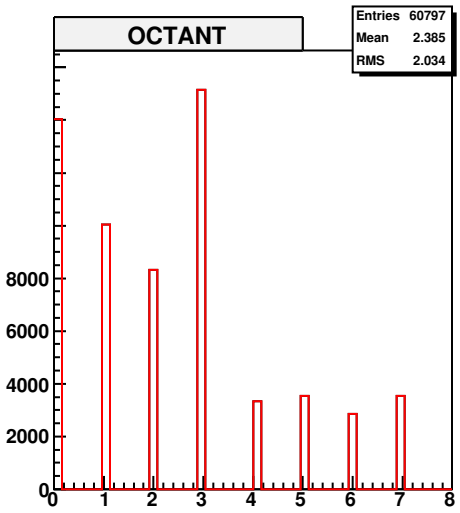


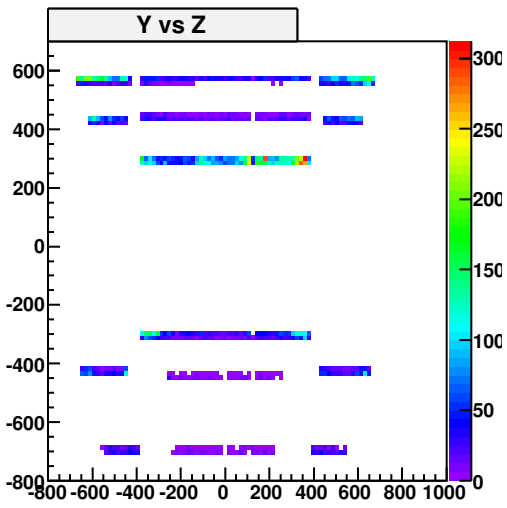


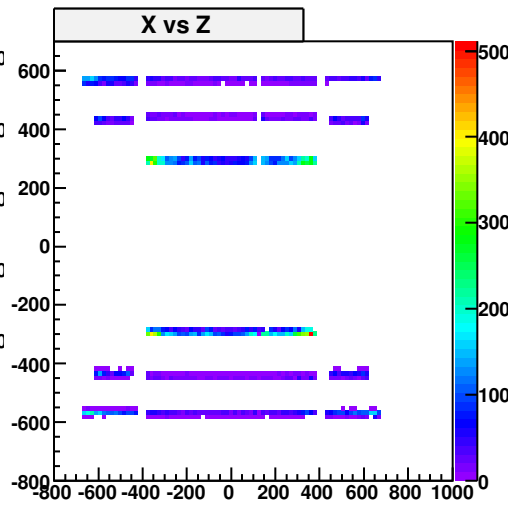
CFT ADC Summary (All Clusters)

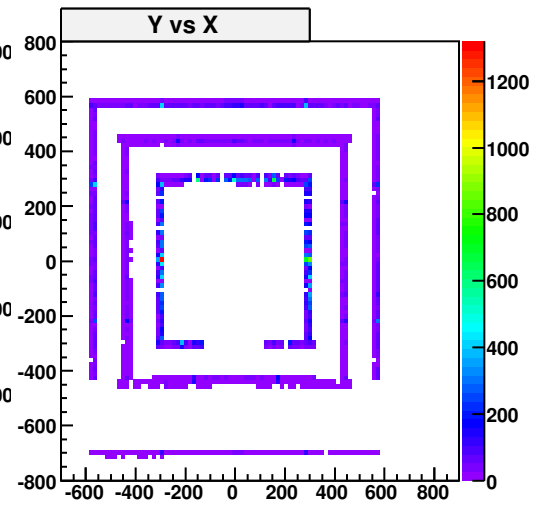

N
Entries 1607
Mean 34.71
RMS 7.763

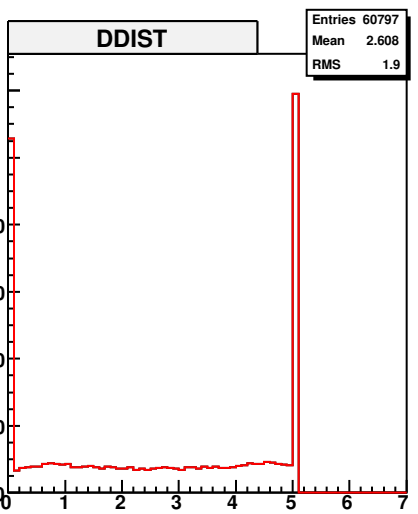

LAYER
Entries 60797
Mean 0.7072
RMS 0.8627

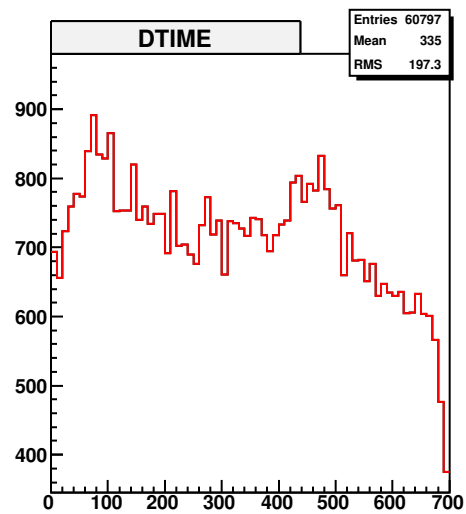

OCTANT
Entries 60797
Mean 2.385
RMS 2.034


Y vs Z

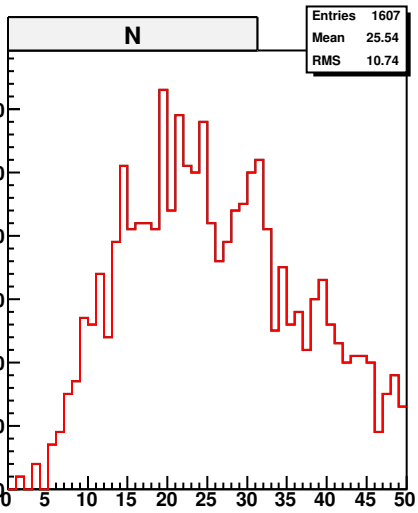

X vs Z

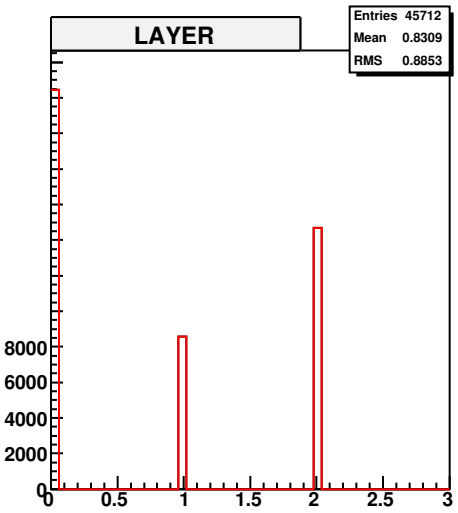

Y vs X

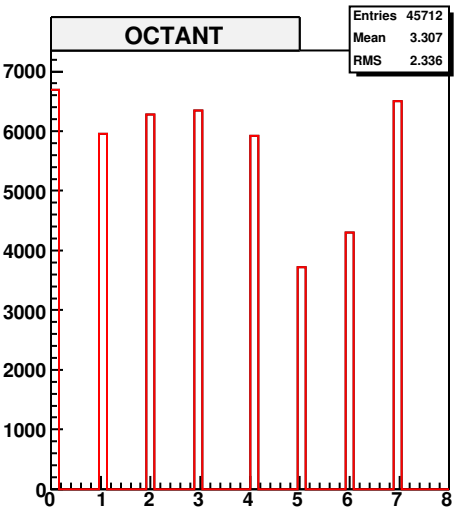

DDIST
Entries 60797
Mean 2.608
RMS 1.9

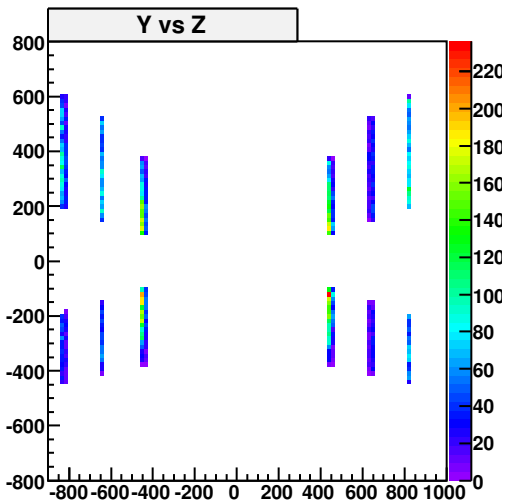

DTIME
Entries 60797
Mean 335
RMS 197.3

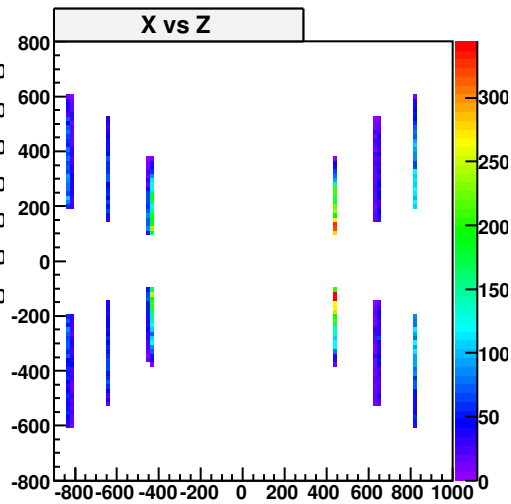
MuonPDT (All)

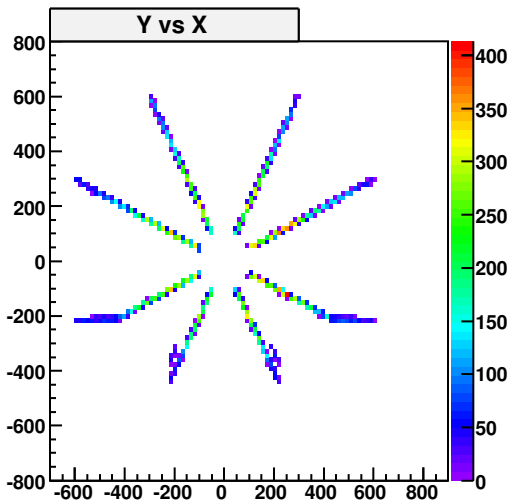

N
Entries 1607
Mean 25.54
RMS 10.74

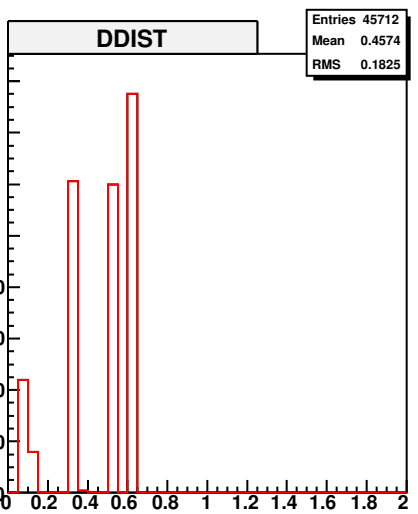

LAYER
Entries 45712
Mean 0.8309
RMS 0.8853

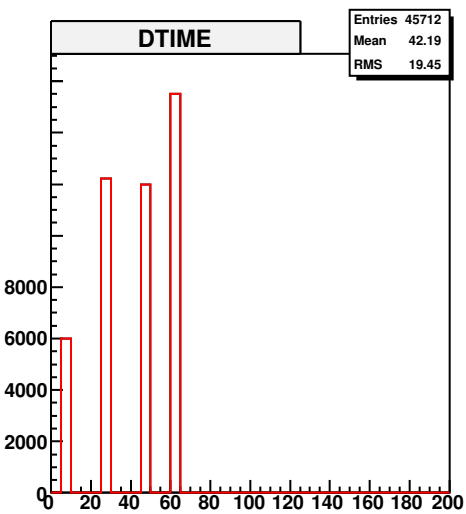

OCTANT
Entries 45712
Mean 3.307
RMS 2.336


Y vs Z

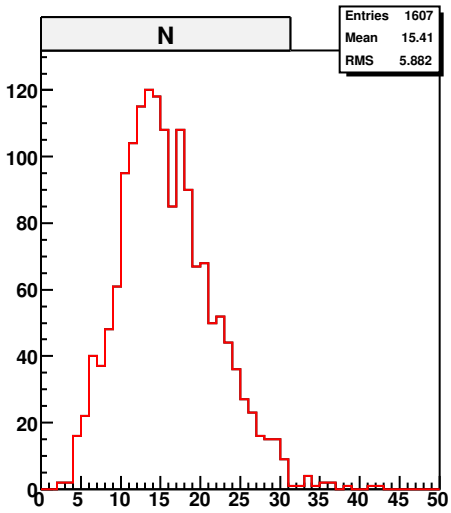

X vs Z

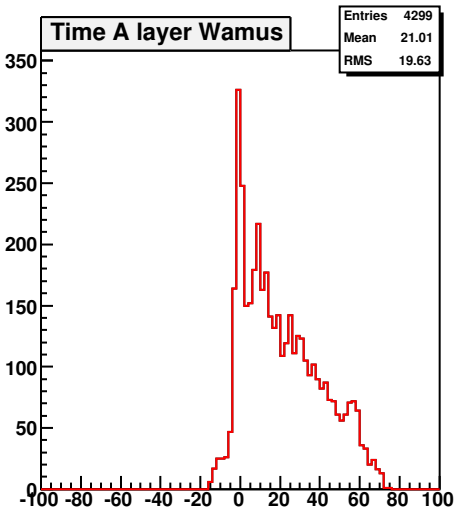

Y vs X

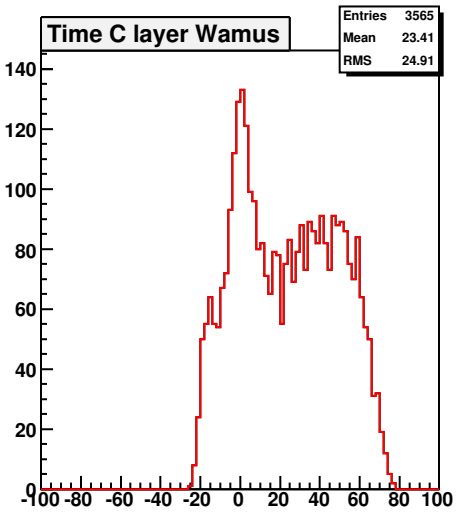

DDIST
Entries 45712
Mean 0.4574
RMS 0.1825

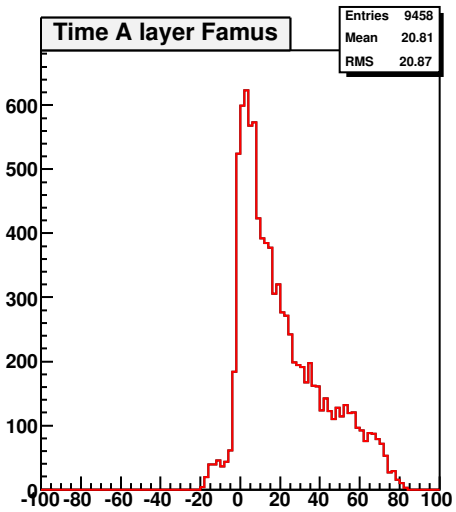

DTIME
Entries 45712
Mean 42.19
RMS 19.45

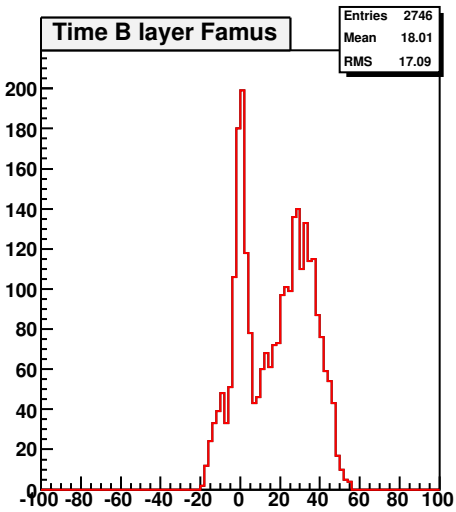
MuonMDT (All)

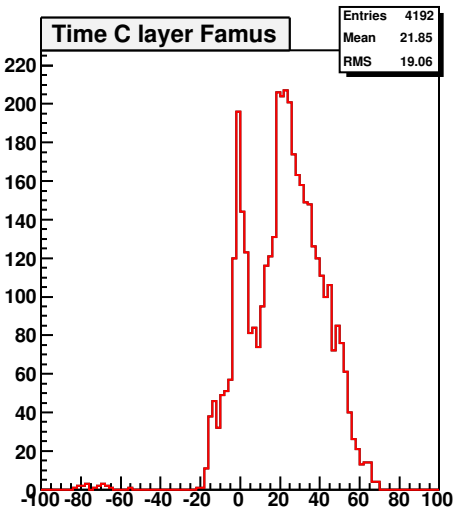

N
Entries 1607
Mean 15.41
RMS 5.882

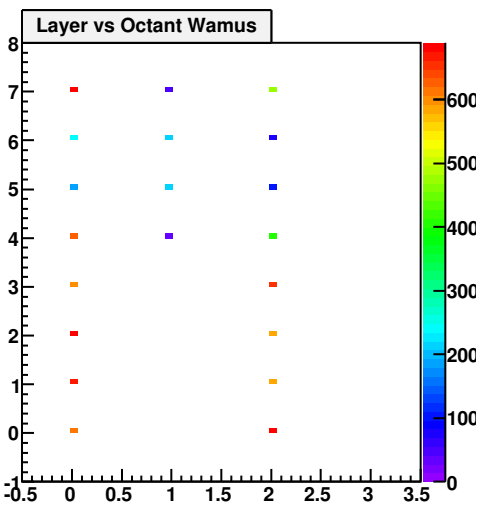

Time A layer Wamus
Entries 4299
Mean 21.01
RMS 19.63

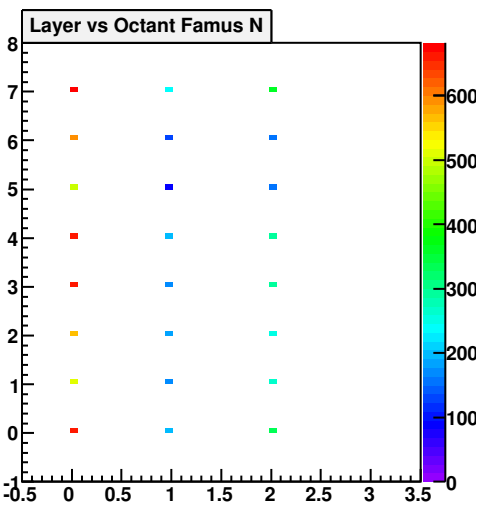

Time C layer Wamus
Entries 3565
Mean 23.41
RMS 24.91

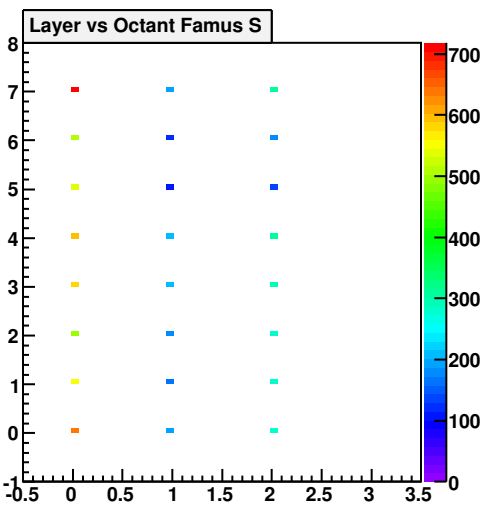

Time A layer Famus
Entries 9458
Mean 20.81
RMS 20.87


Time B layer Famus
Entries 2746
Mean 18.01
RMS 17.09

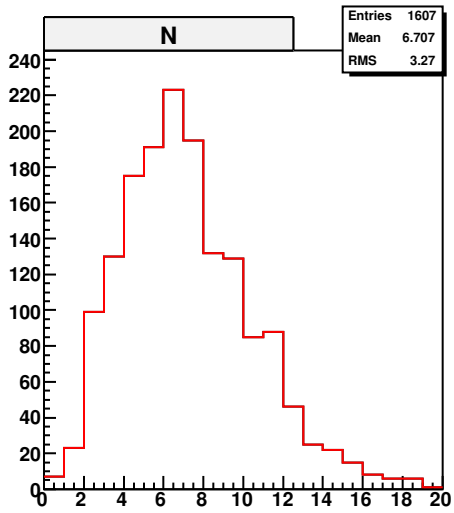

Time C layer Famus
Entries 4192
Mean 21.85
RMS 19.06

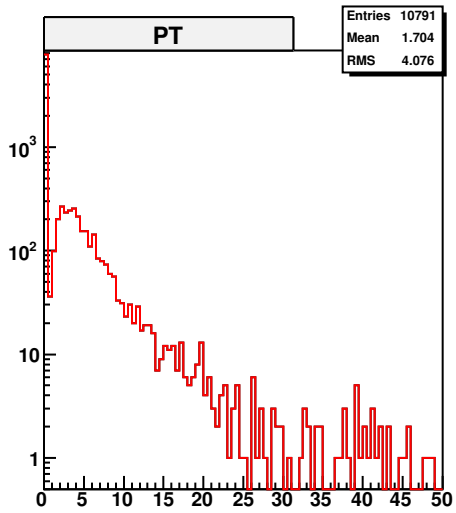

Layer vs Octant Wamus

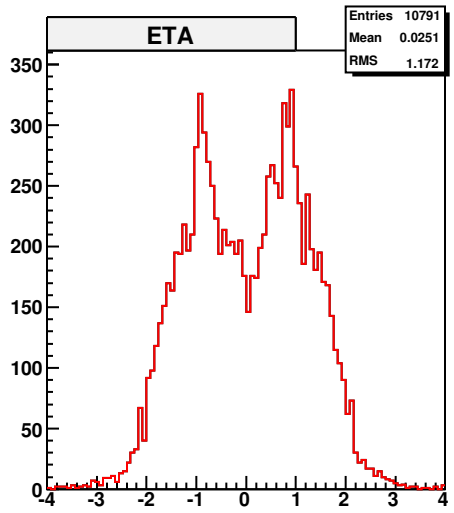

Layer vs Octant Famus N

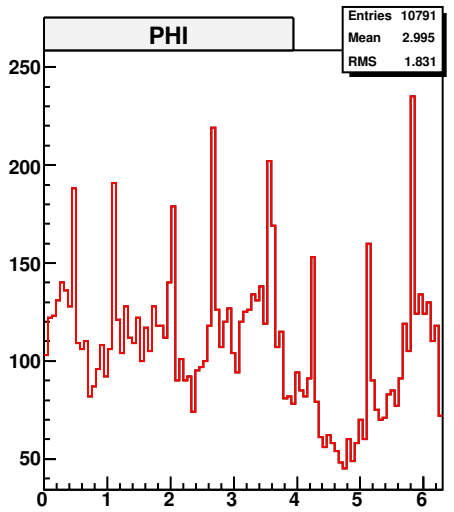

Layer vs Octant Famus S

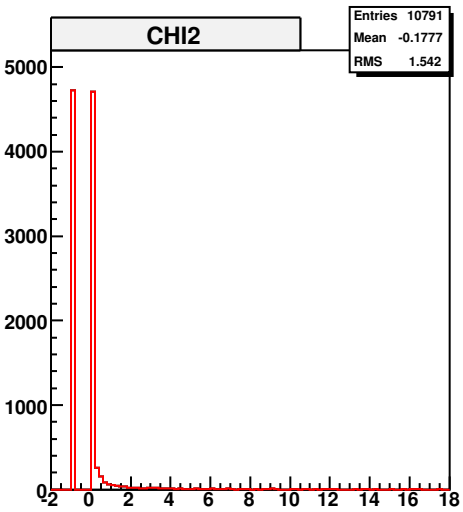
MuonMSC (All)

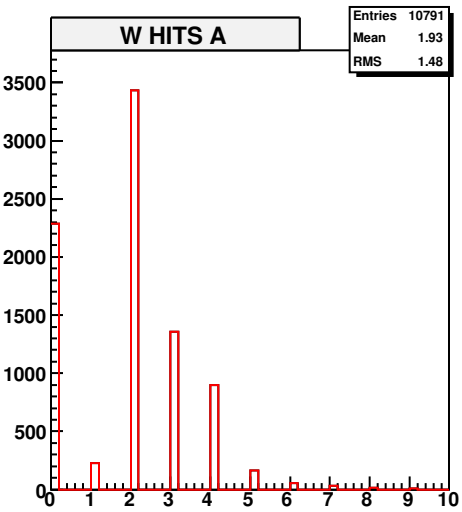


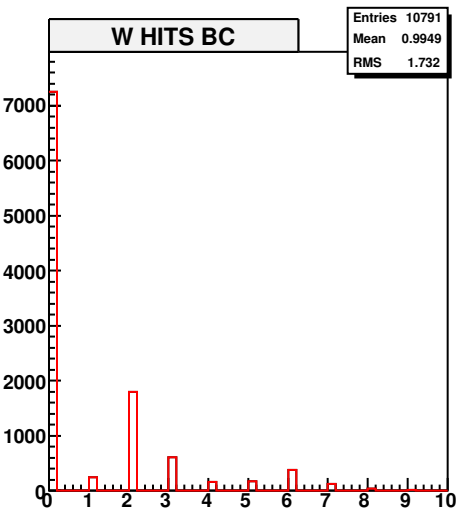


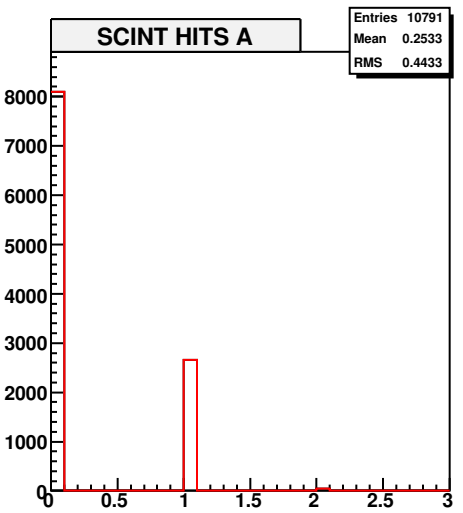


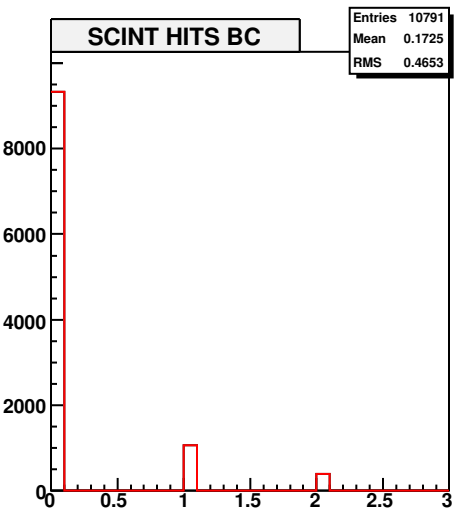




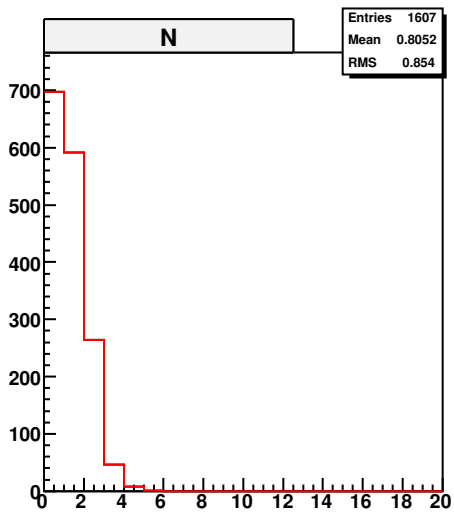


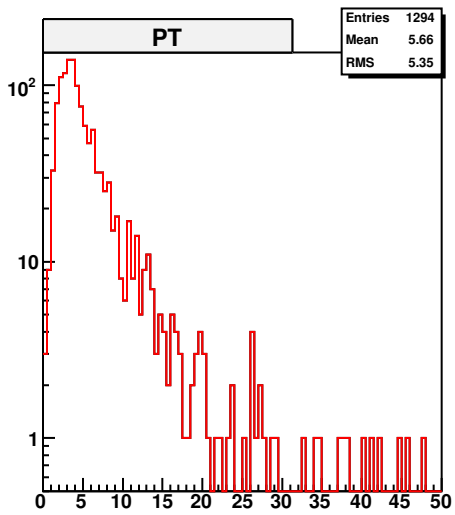


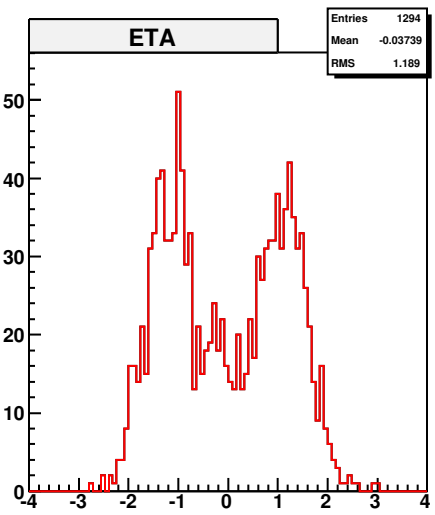


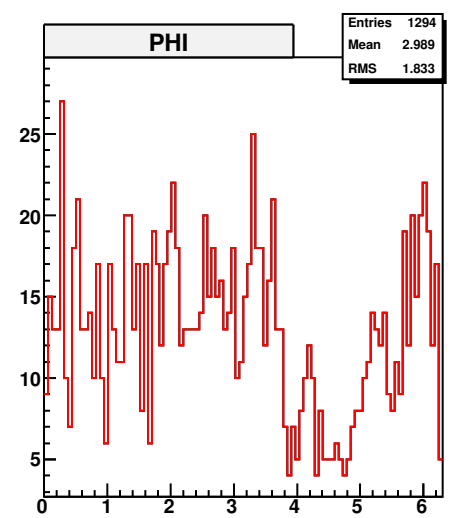


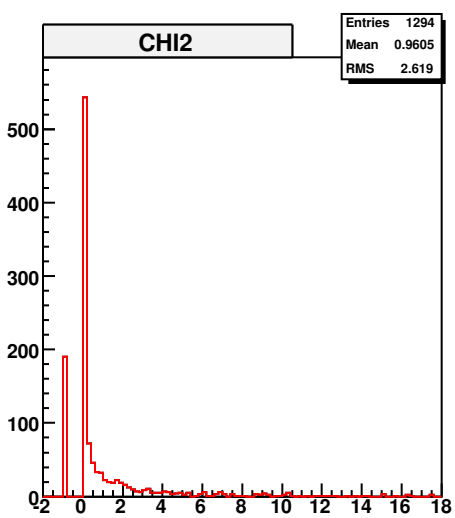
Muon Local Tracks (All)

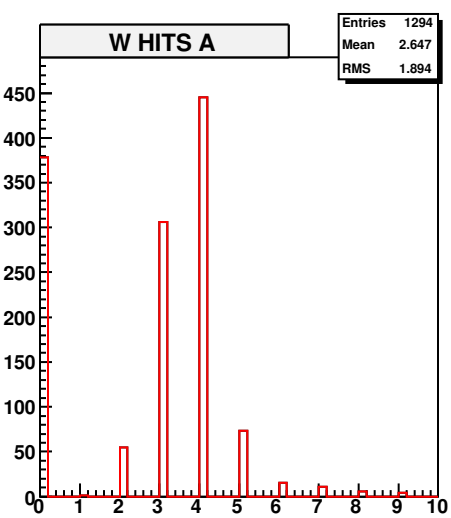


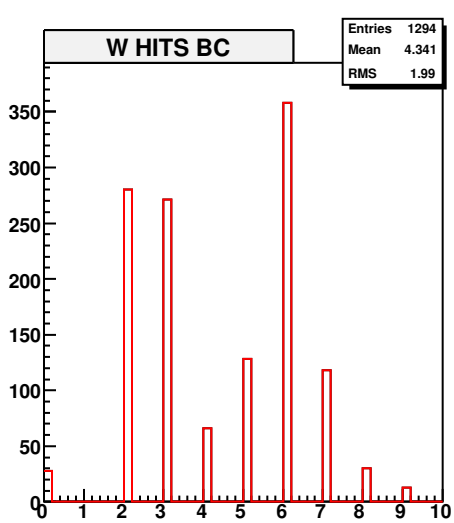


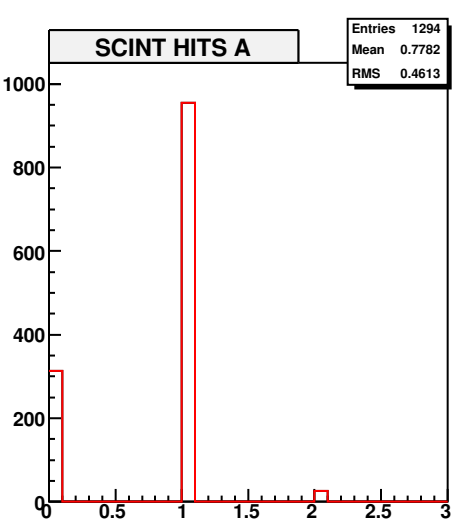


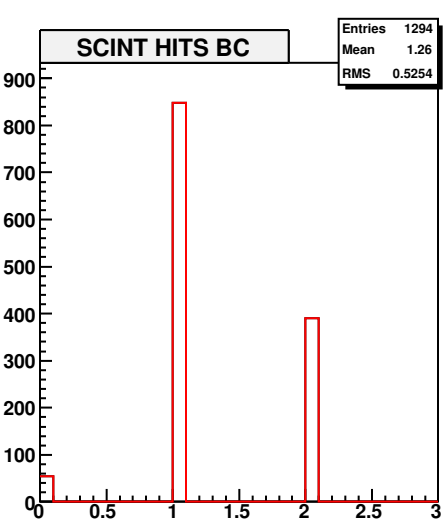




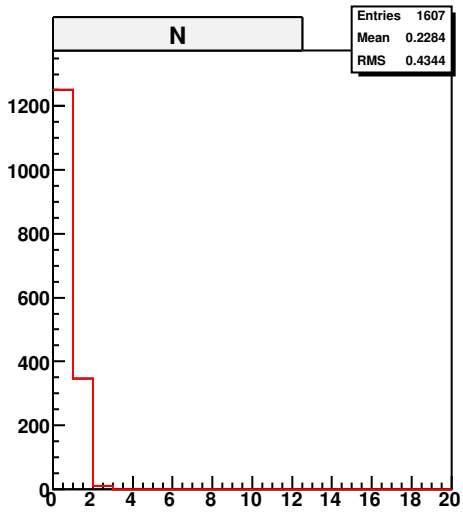


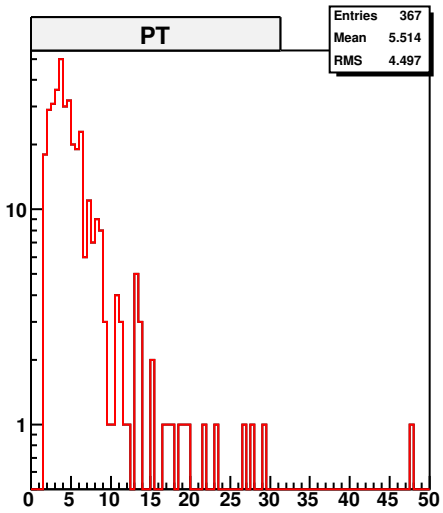


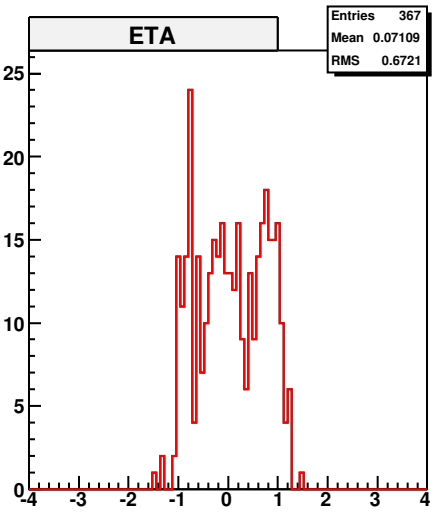


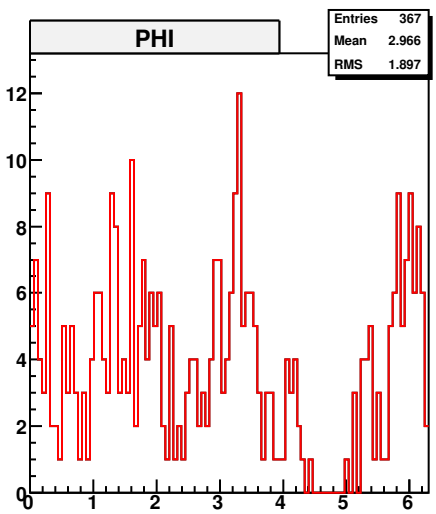


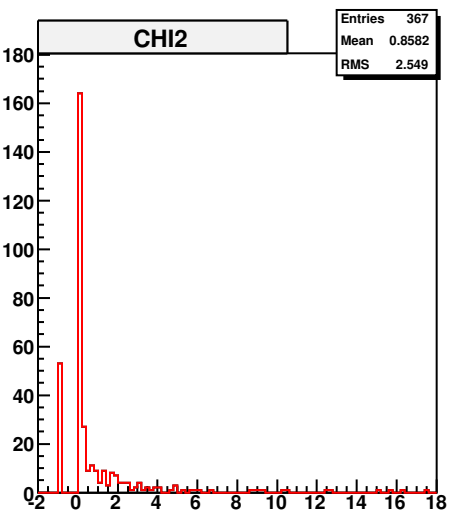
Muon Local Tracks (LooseWamus)

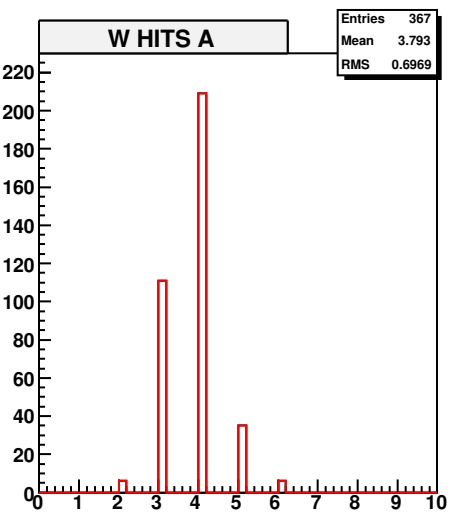


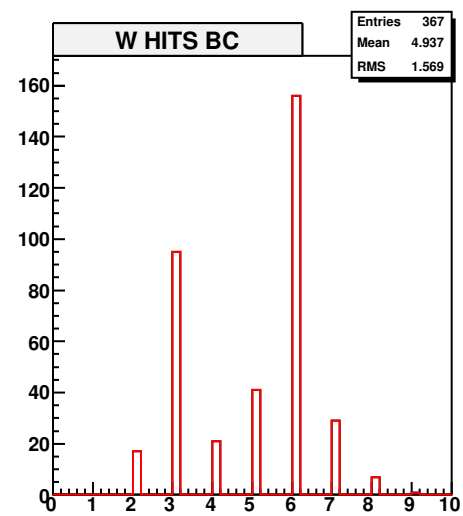


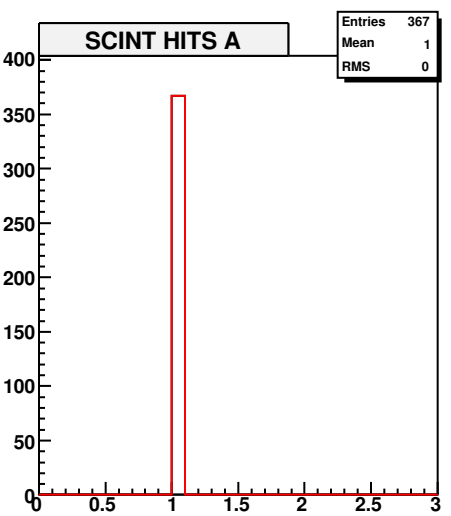


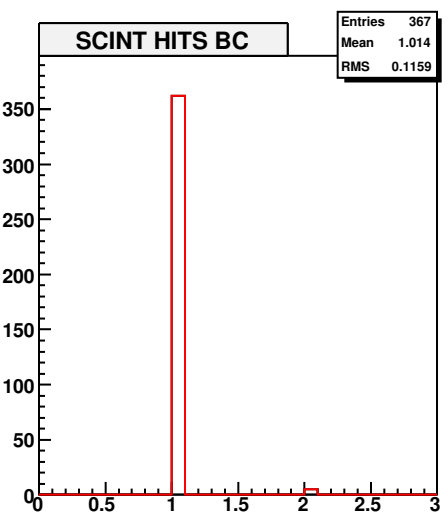




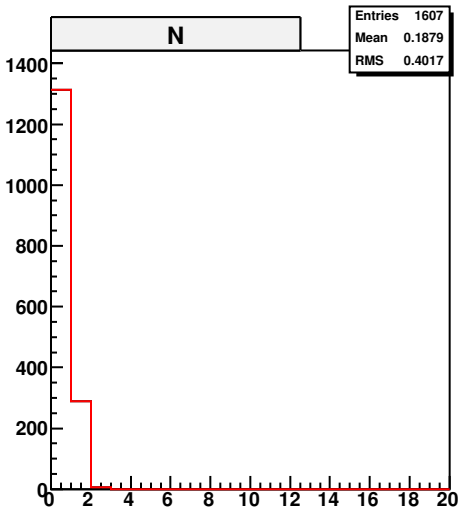


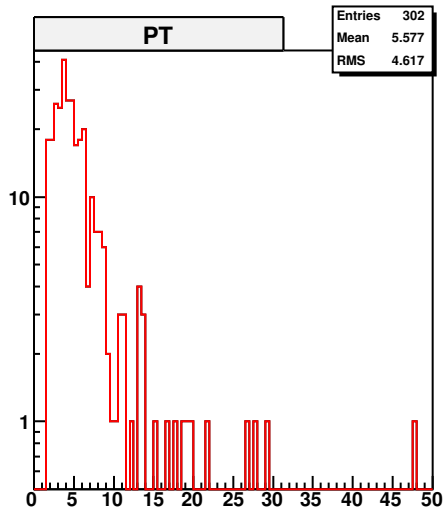


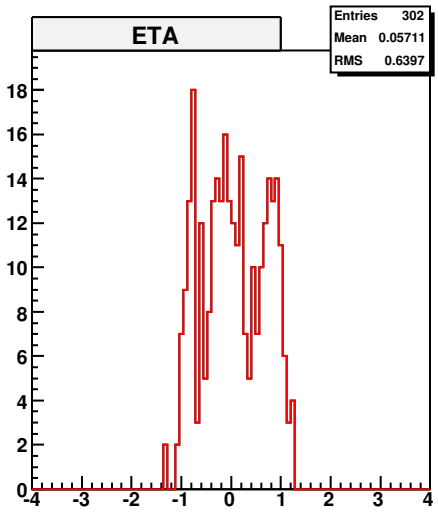


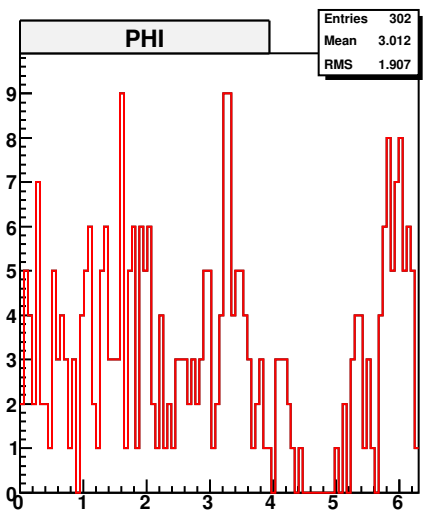


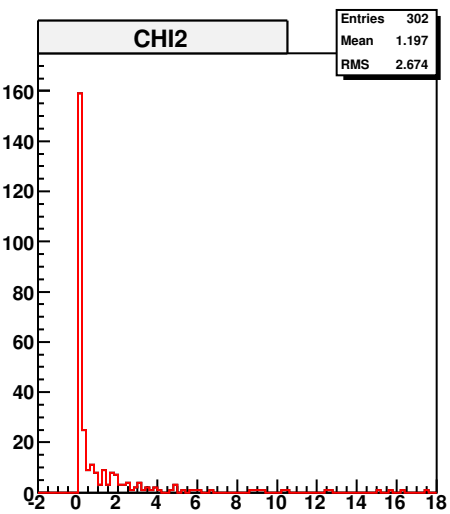
Muon Local Tracks (MediumWamus)

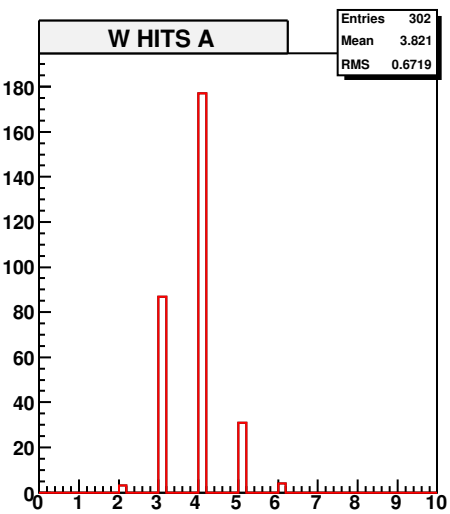


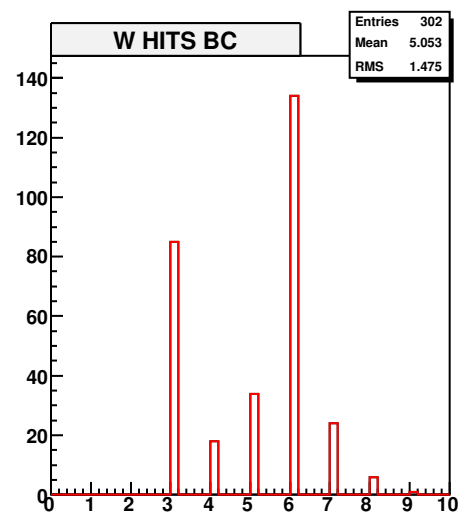


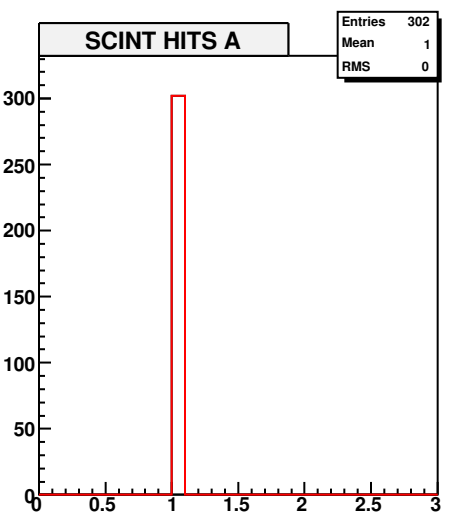


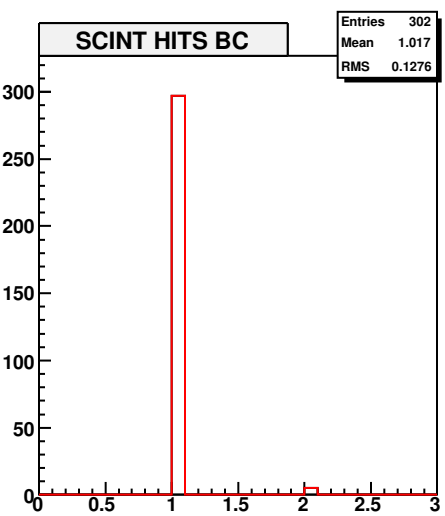




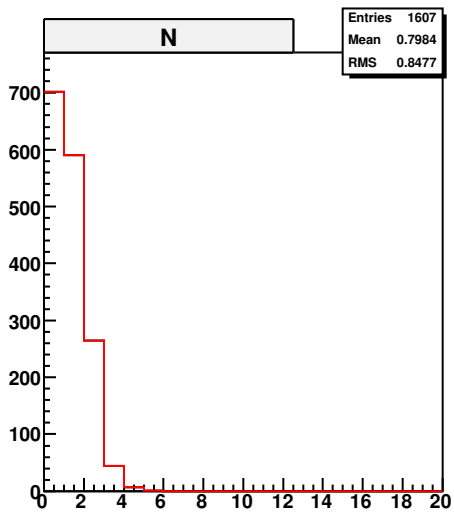


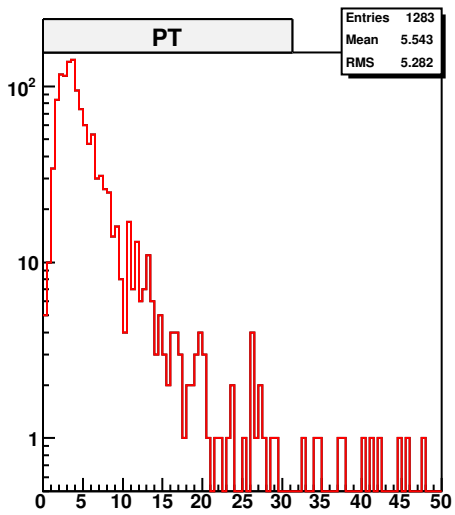


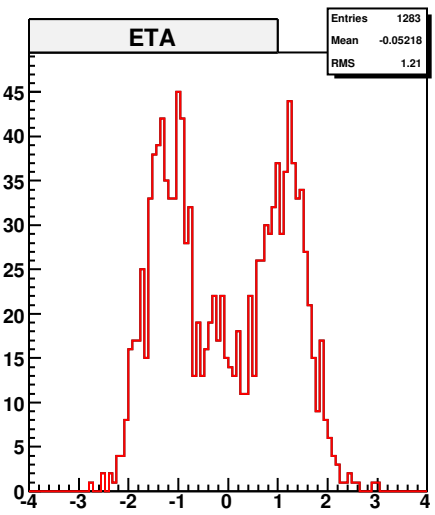


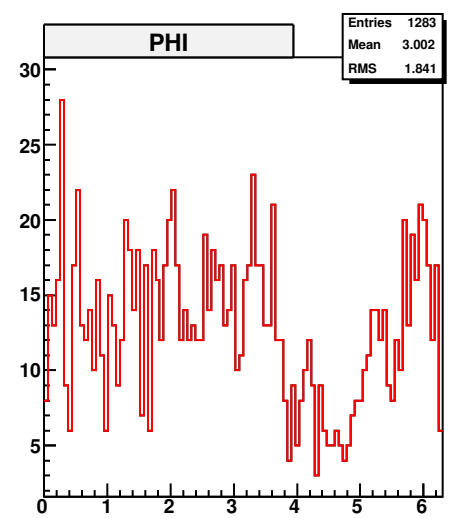


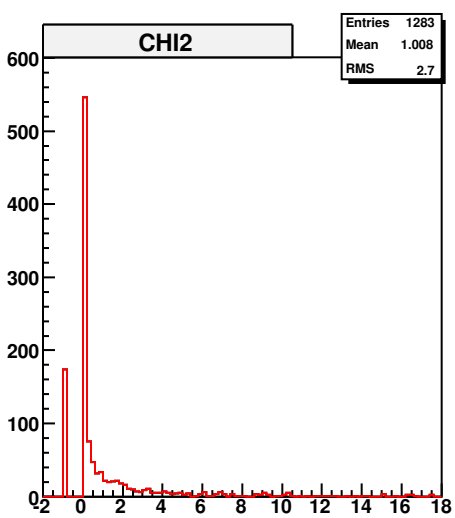
Muon Local Tracks (TightWamus)

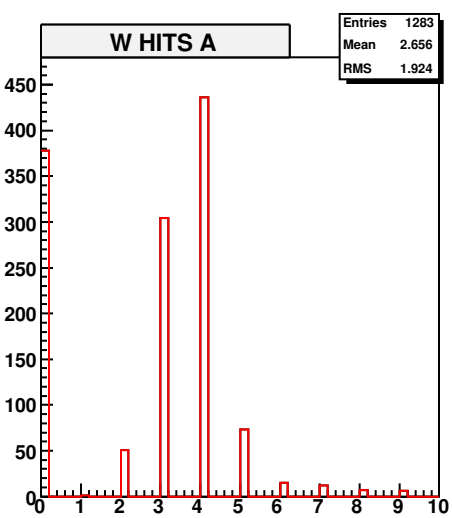


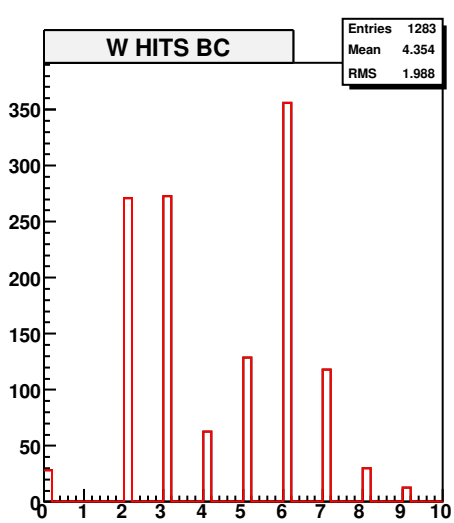


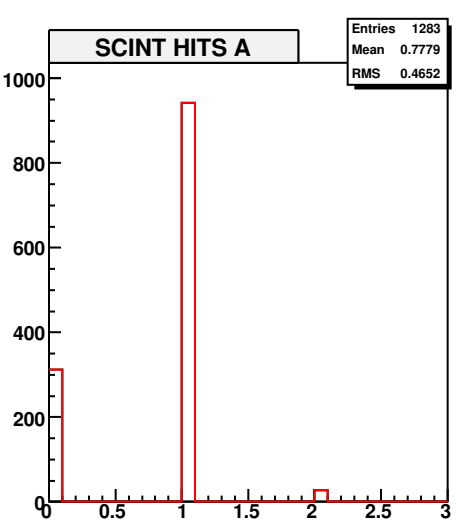


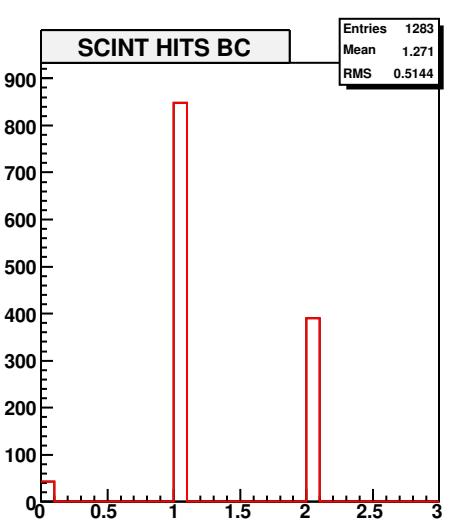




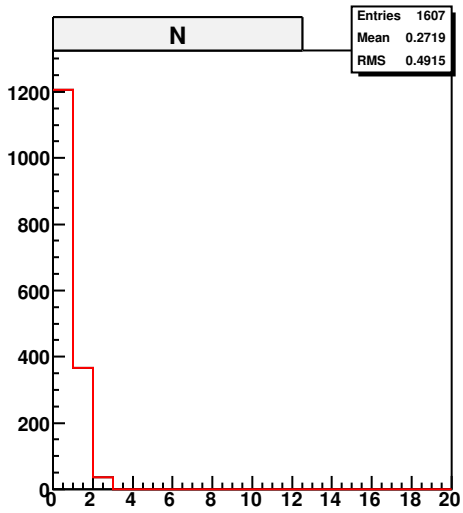


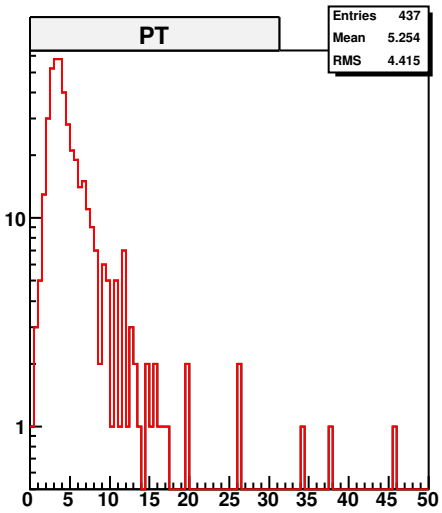


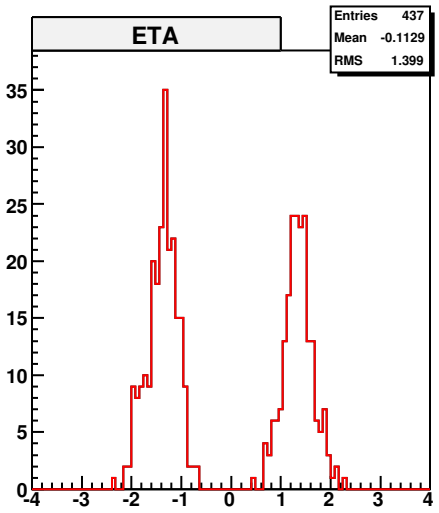


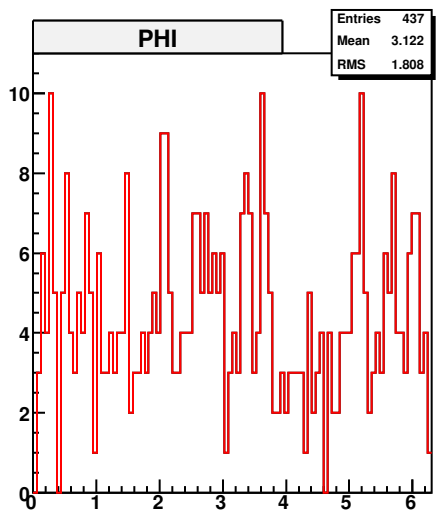


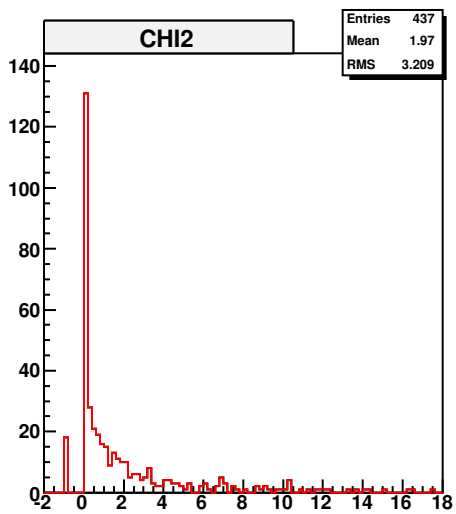
Muon Local Tracks (LooseFamus)

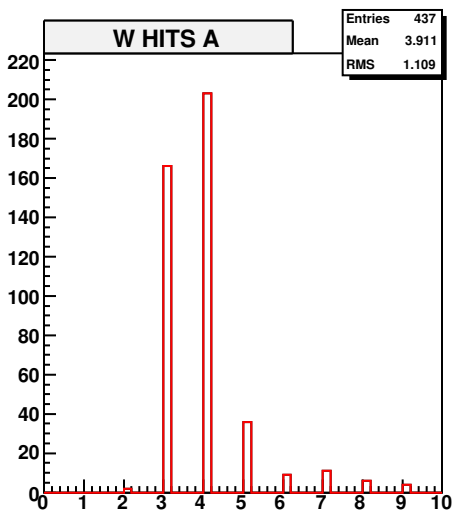


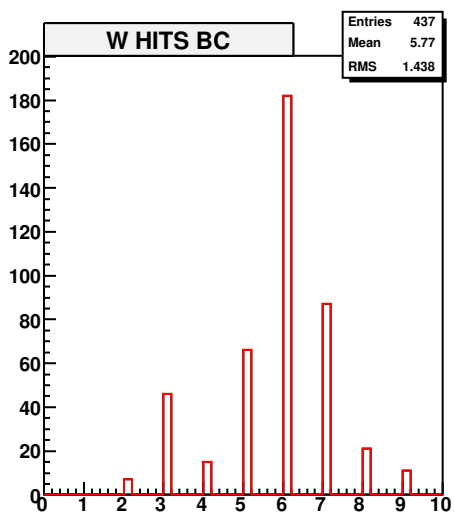


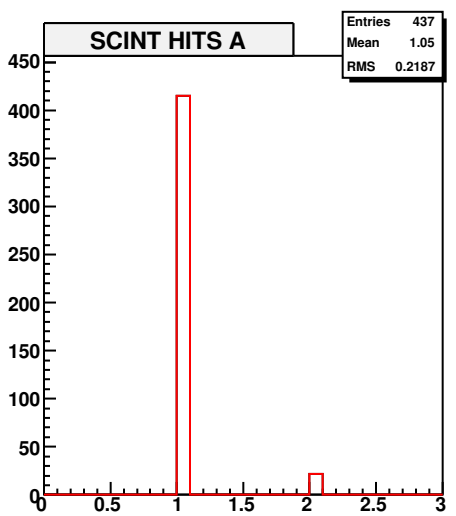


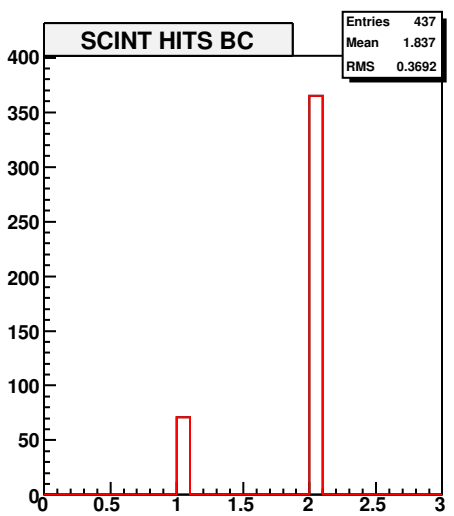




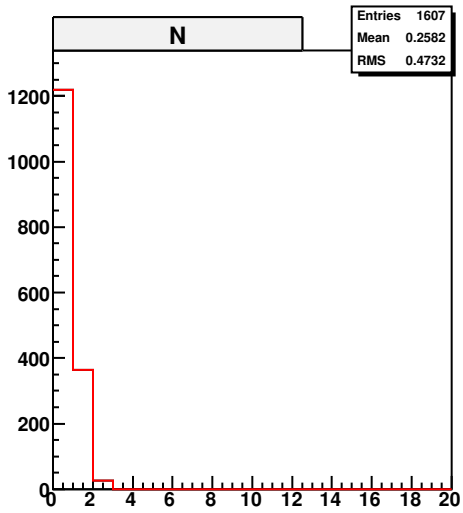


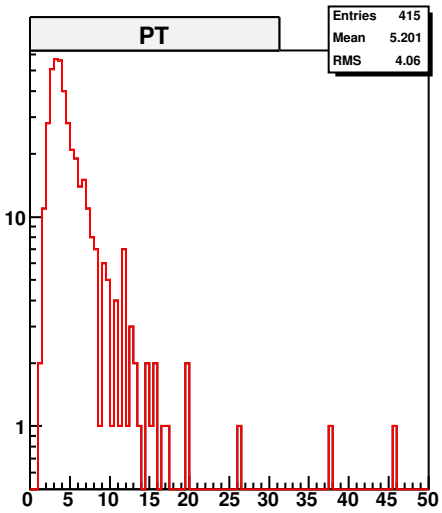


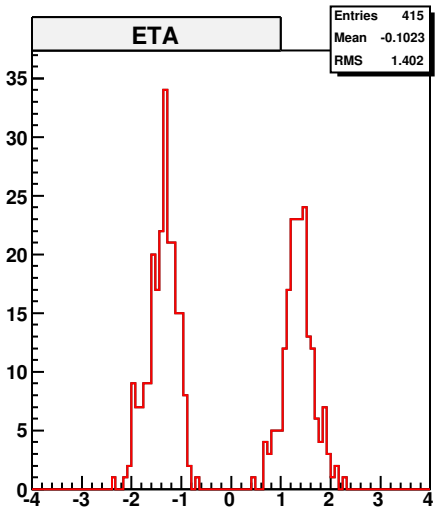


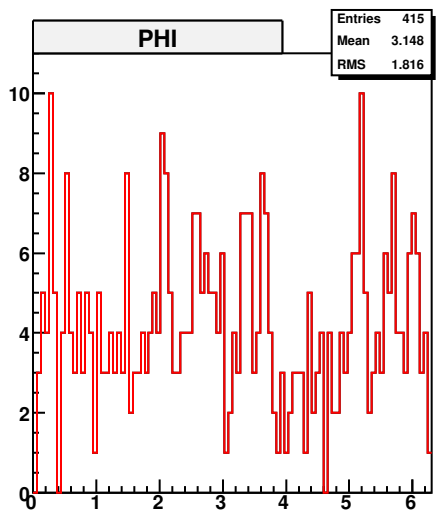


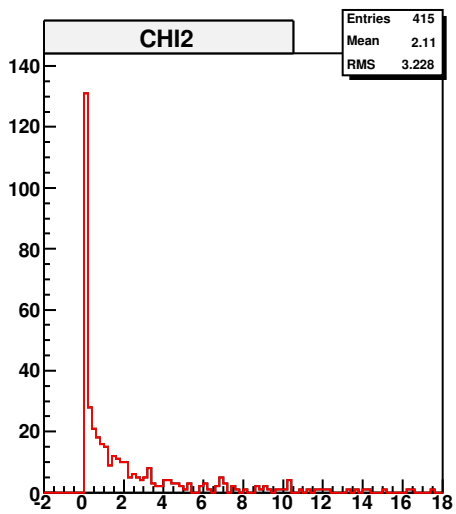
Muon Local Tracks (MediumFamus)

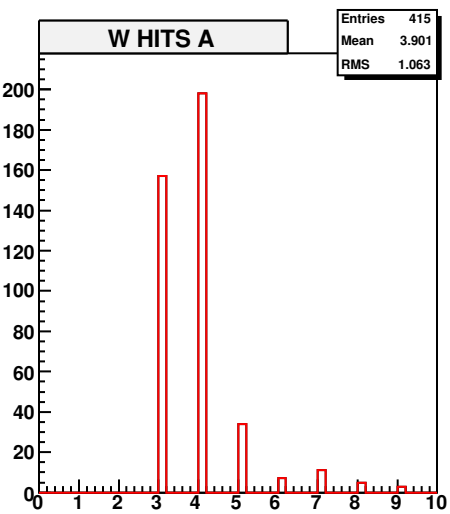


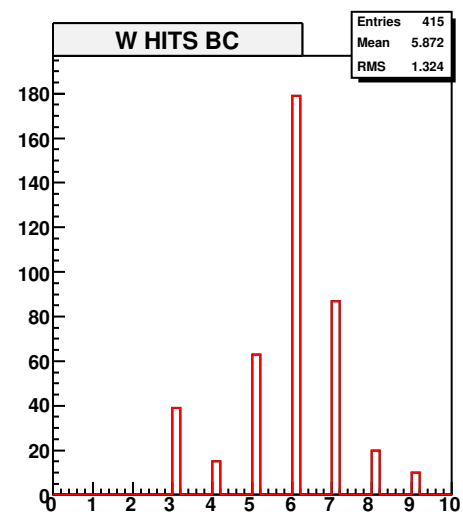


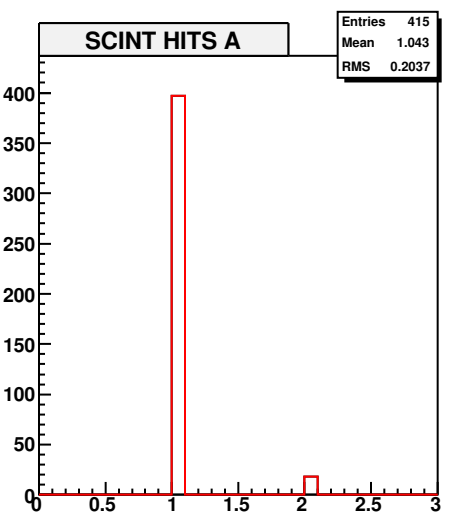


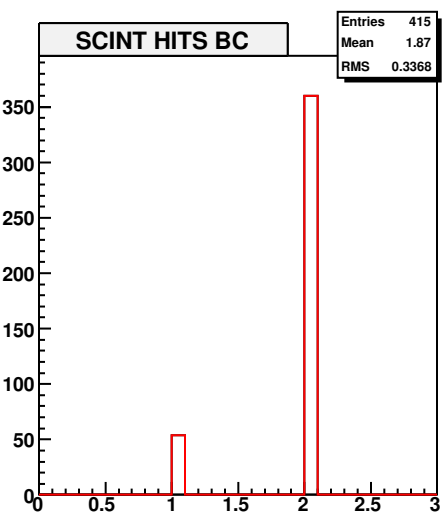




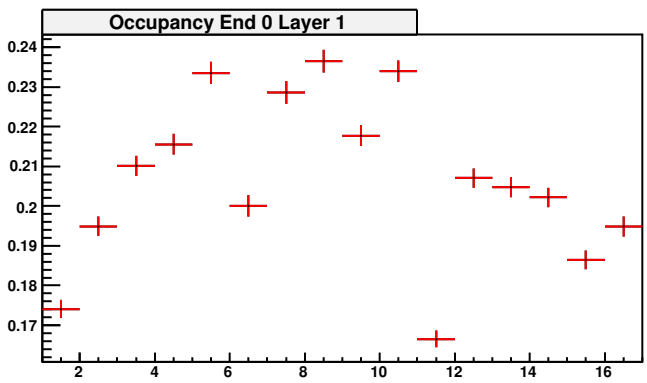


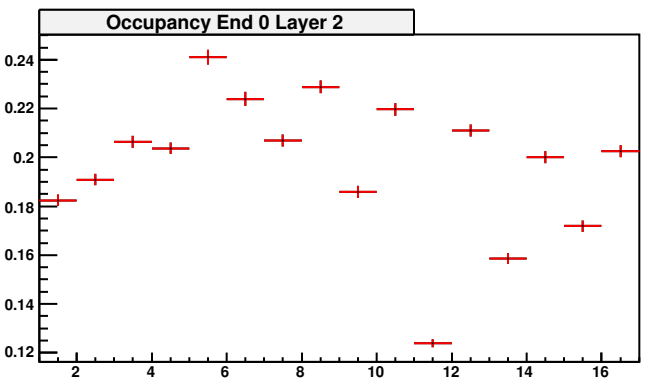


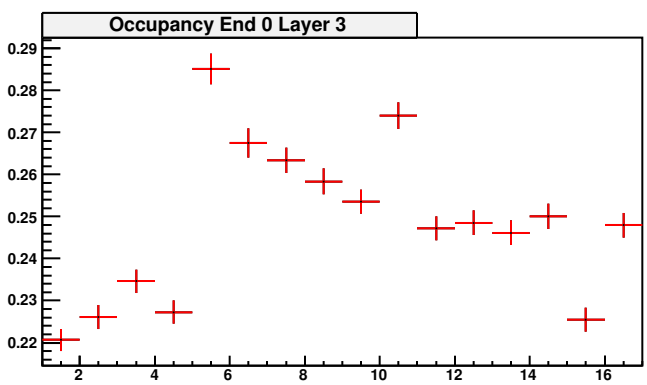


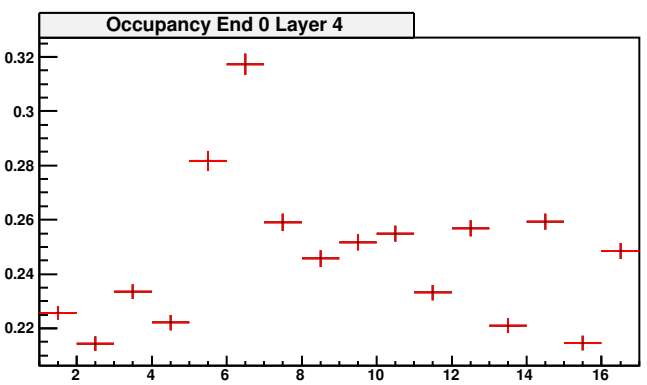


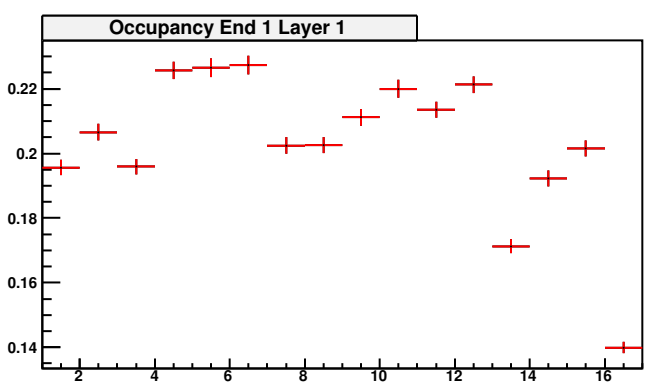
Muon Local Tracks (TightFamus)

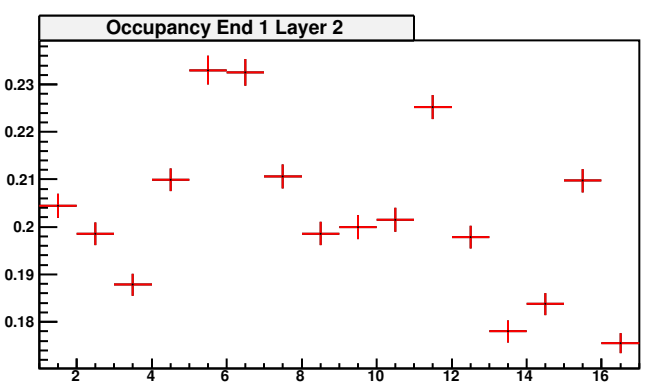


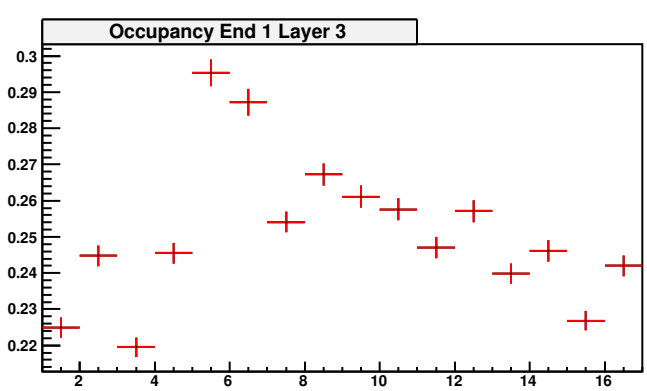


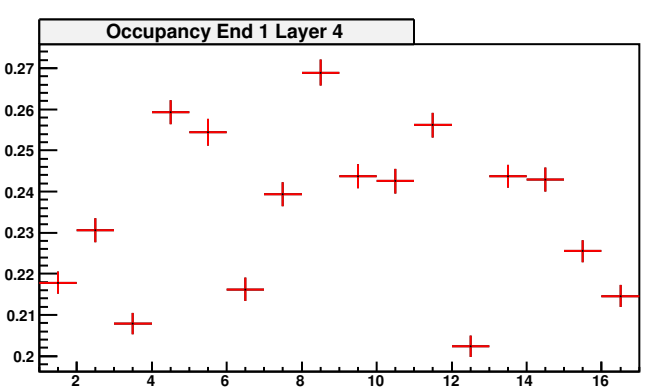




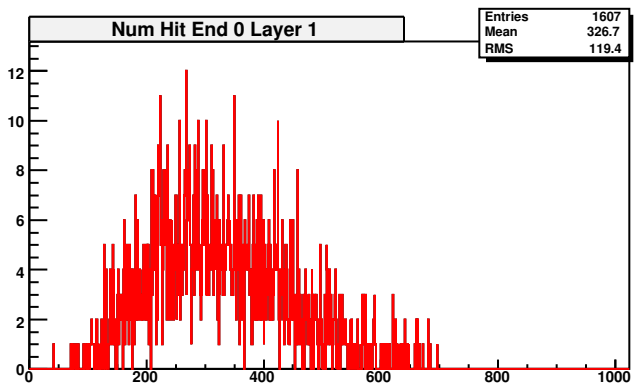


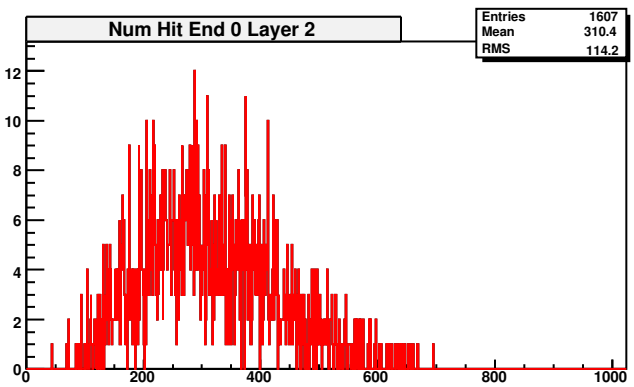


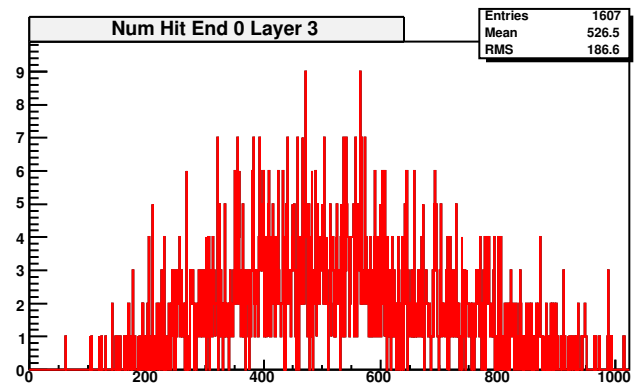


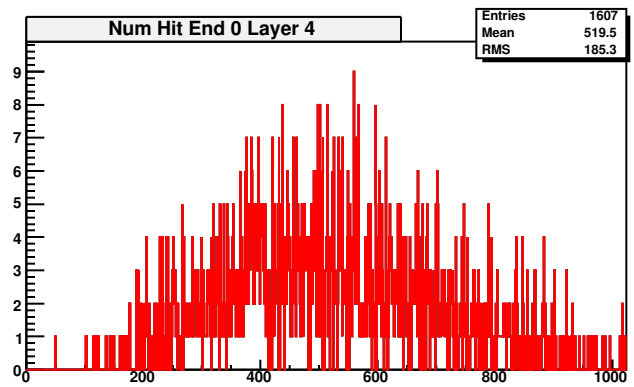


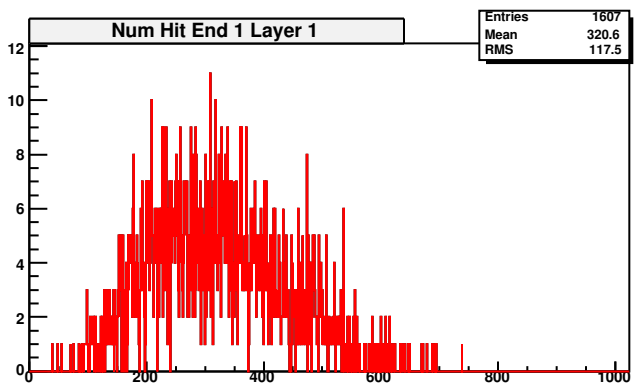
FPS Hit Occupancy (All)

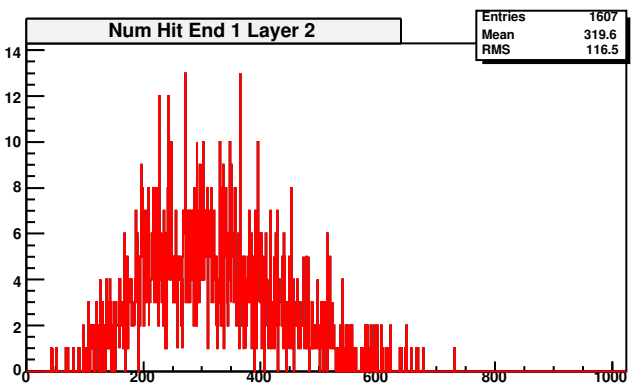


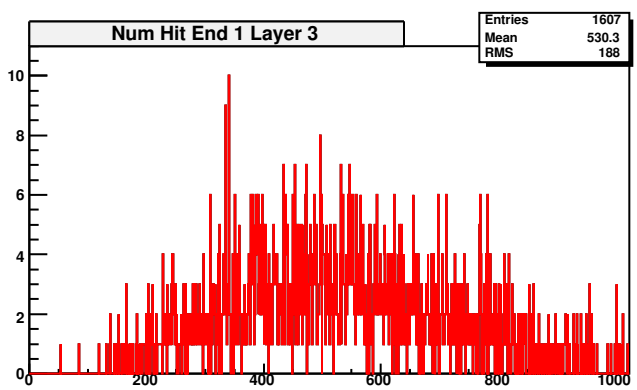


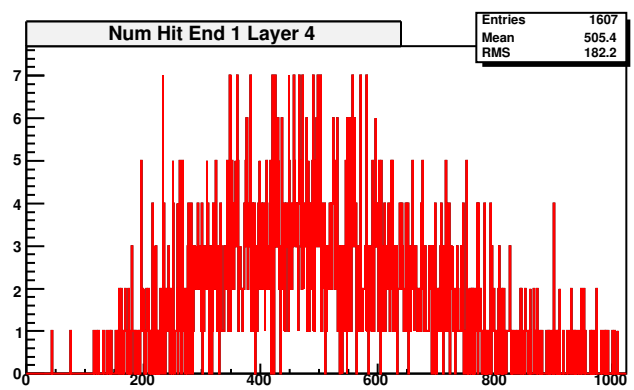












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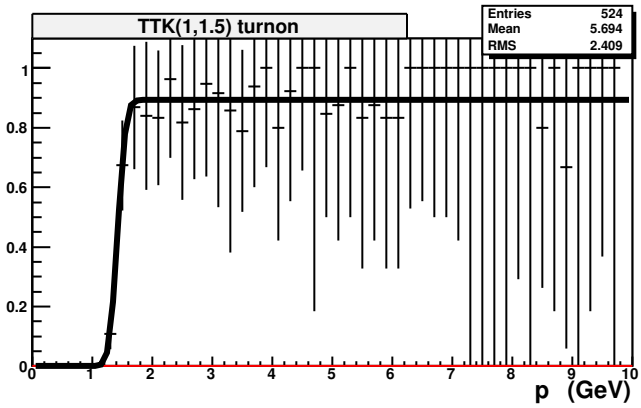

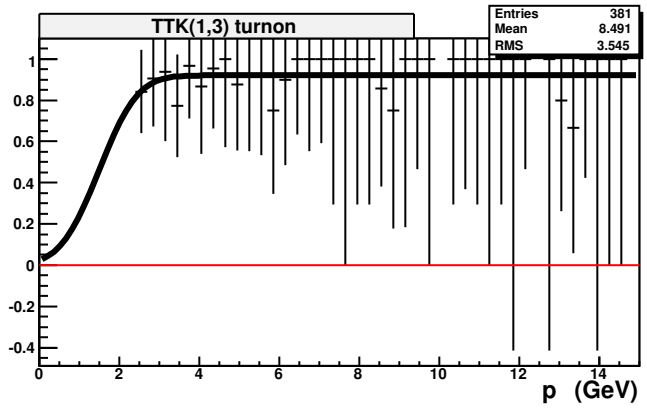

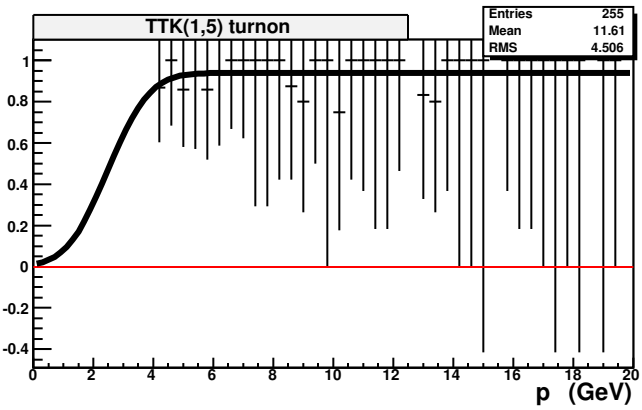

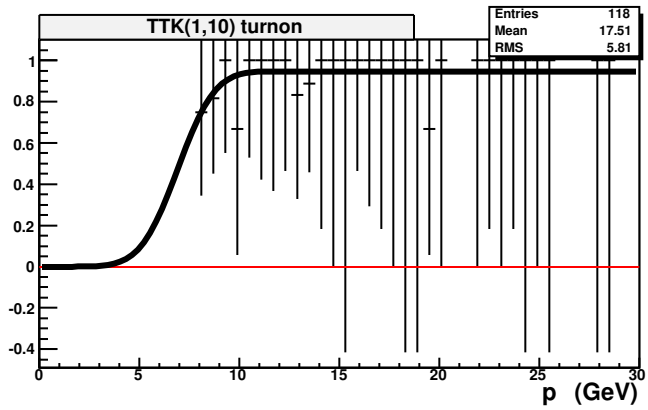

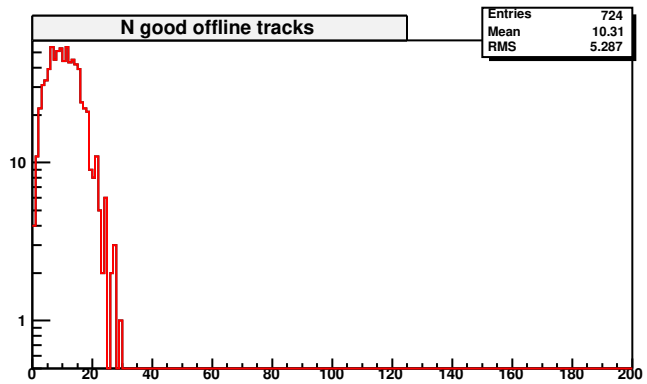

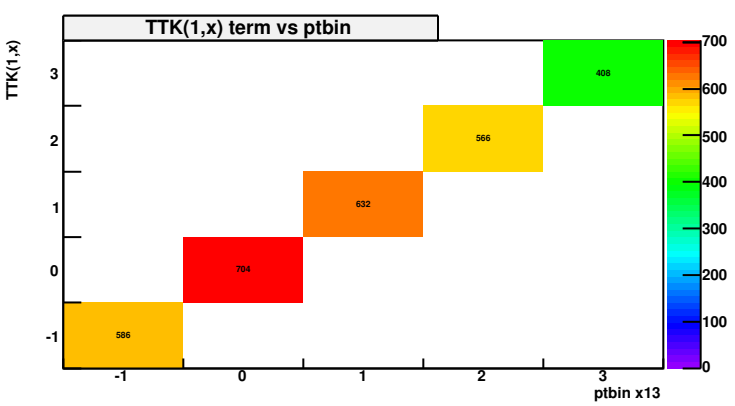

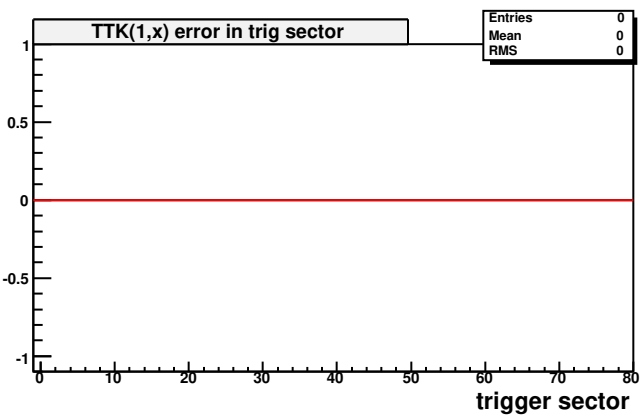

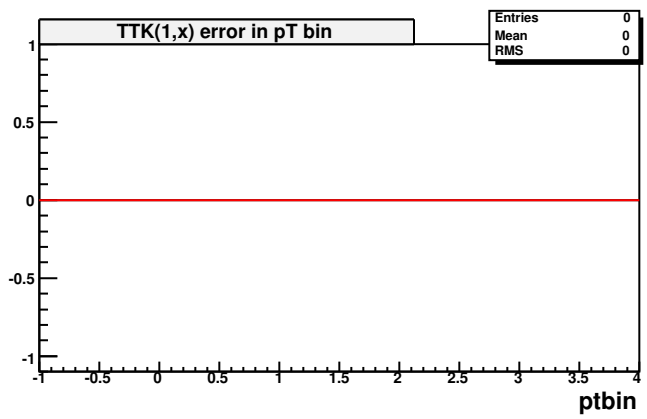

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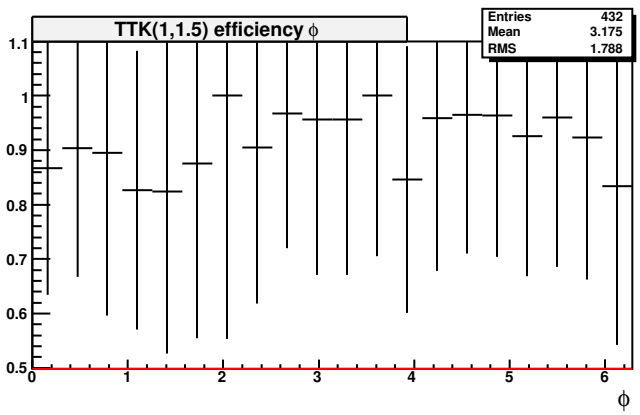

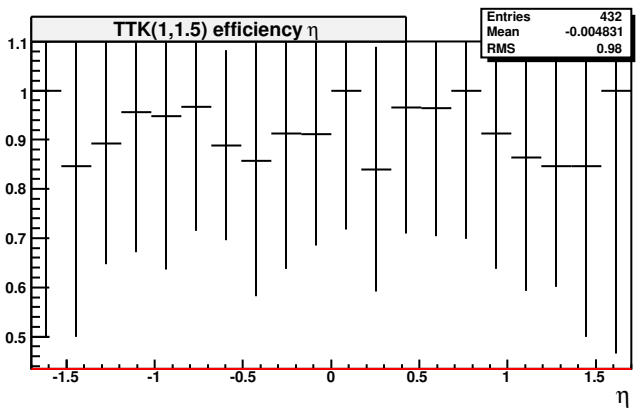

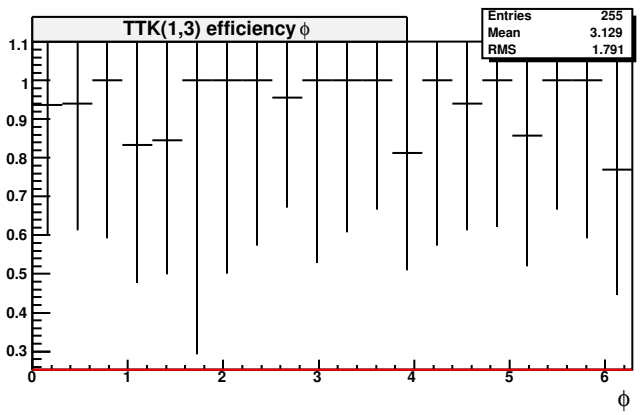

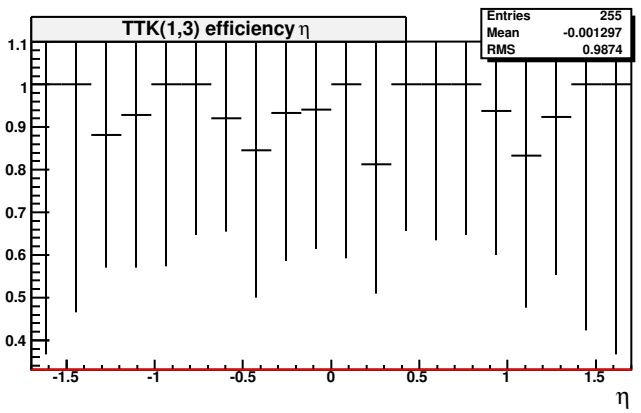

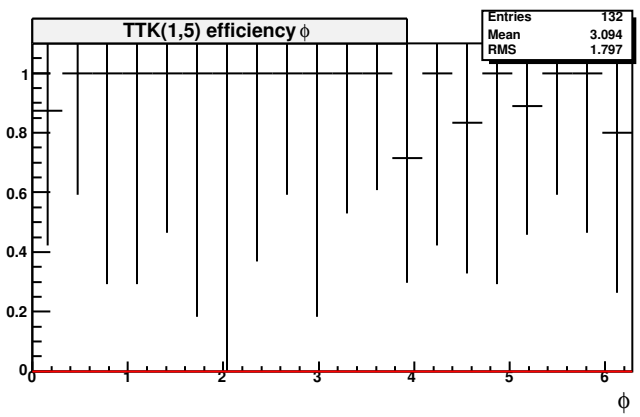

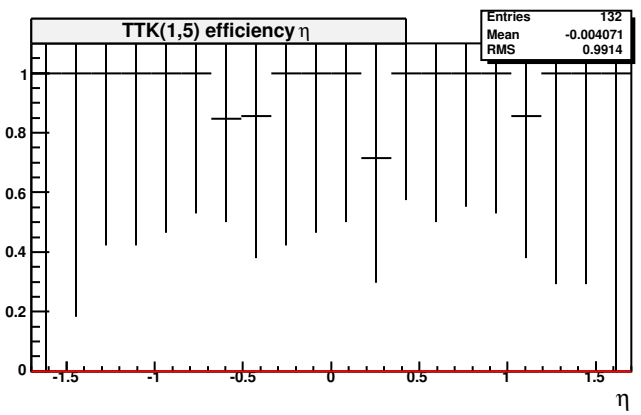

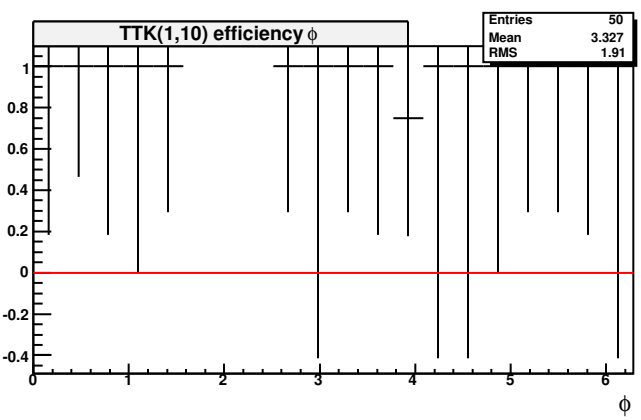

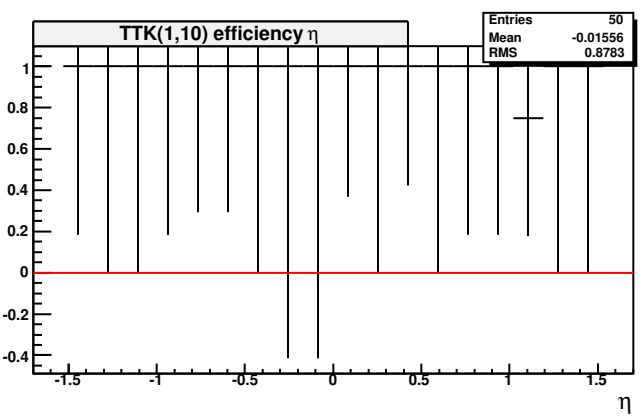

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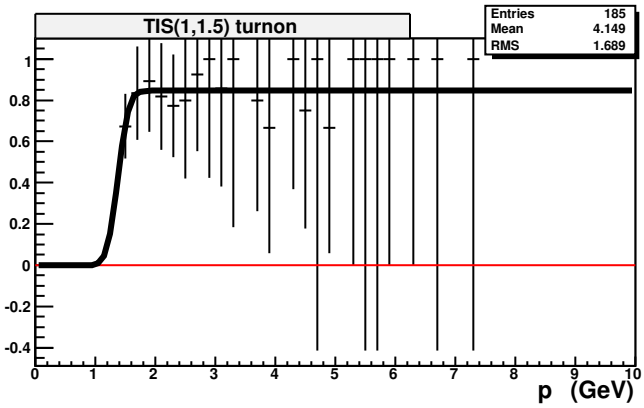

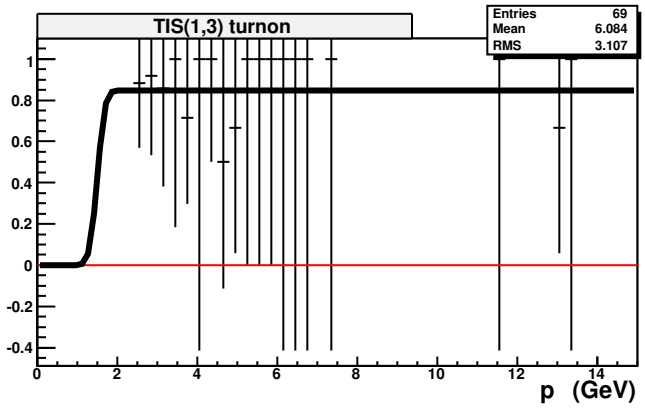

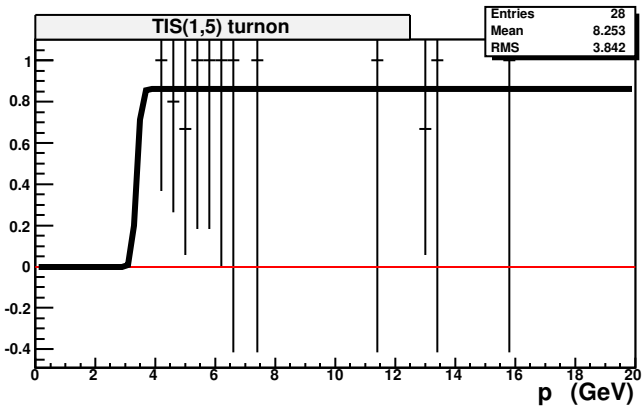

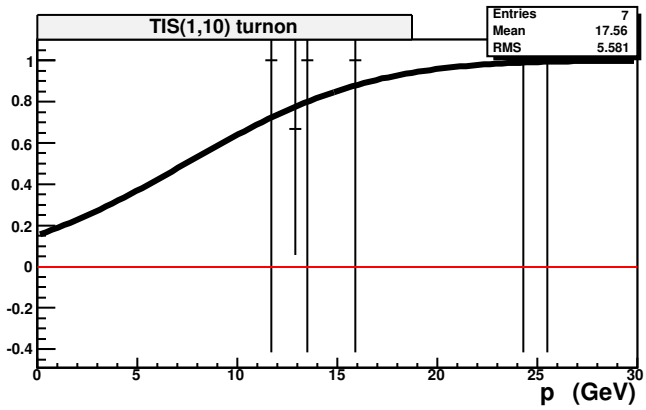

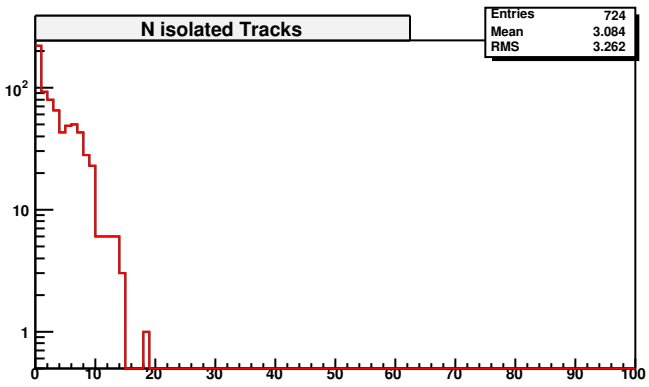

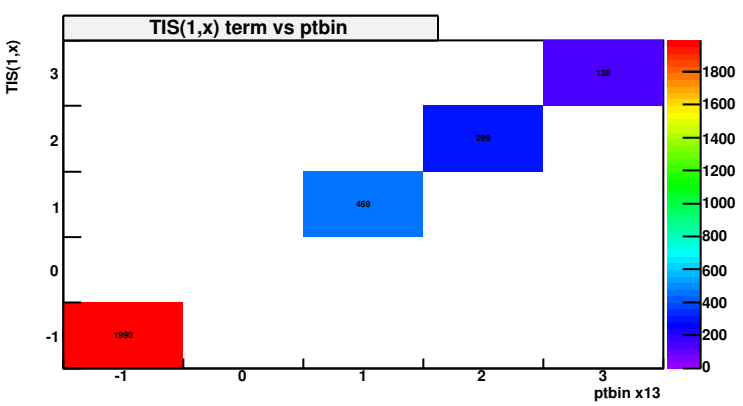

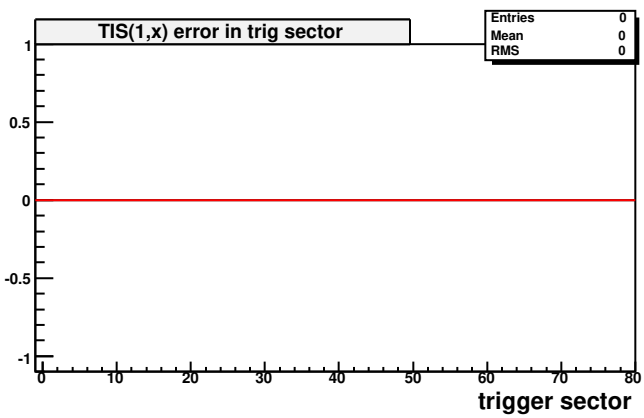

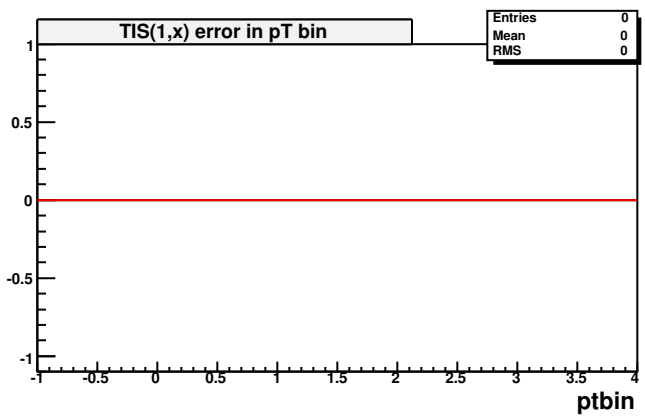

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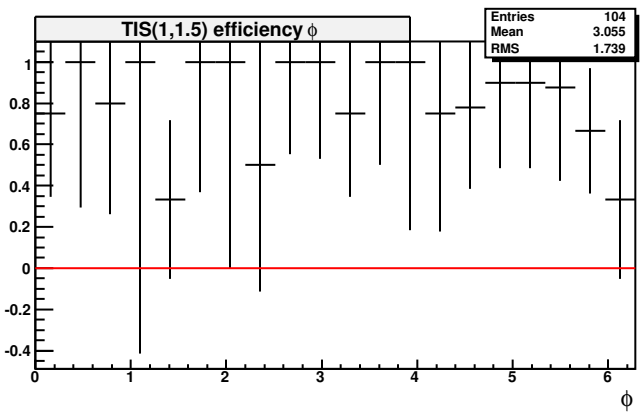

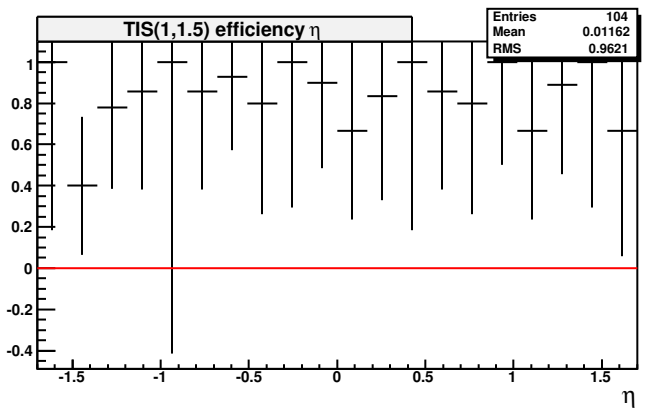

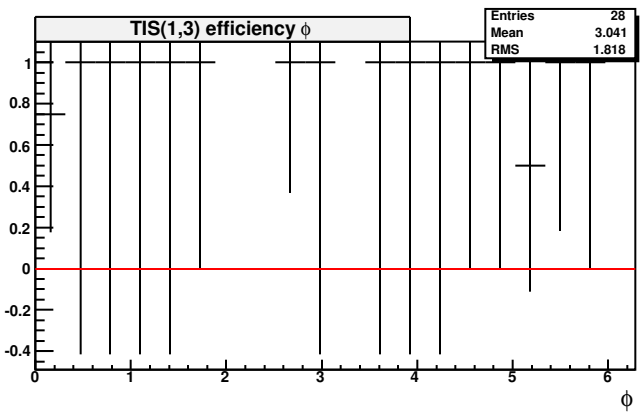

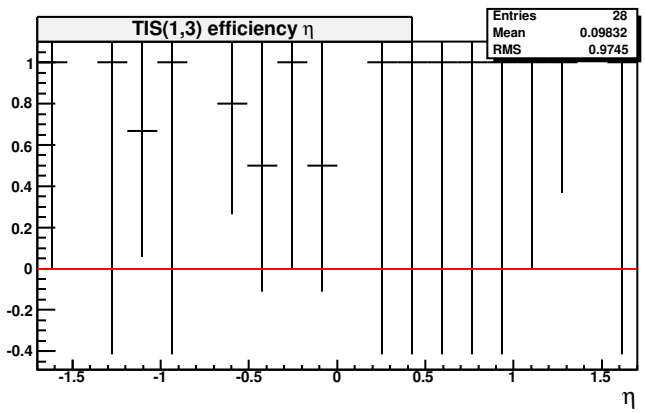

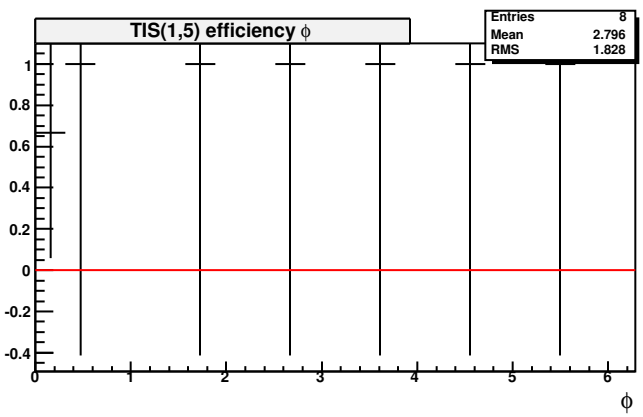

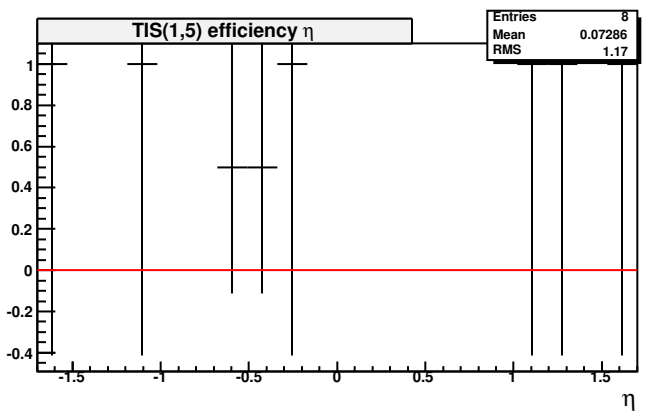

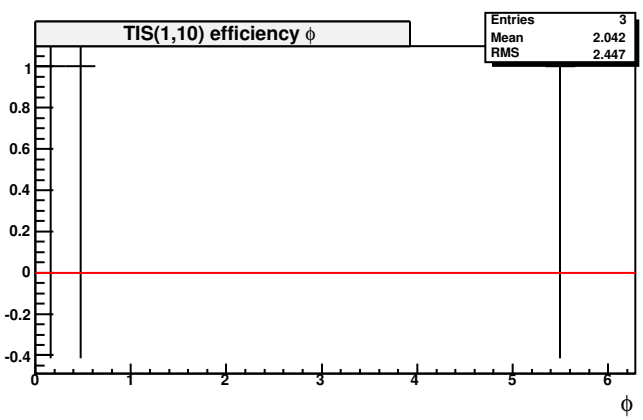

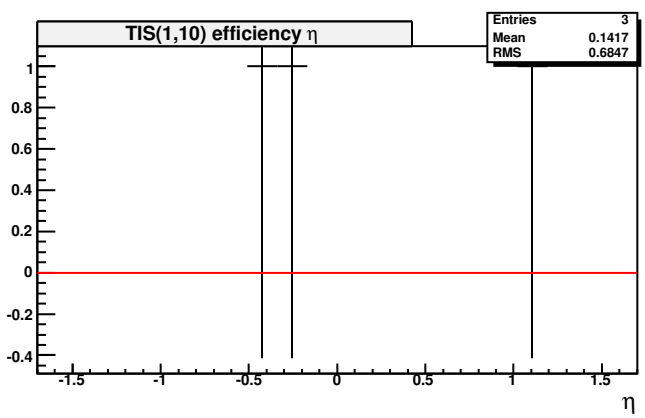

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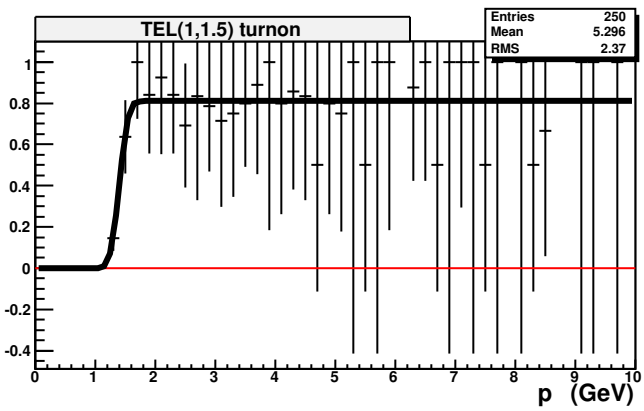

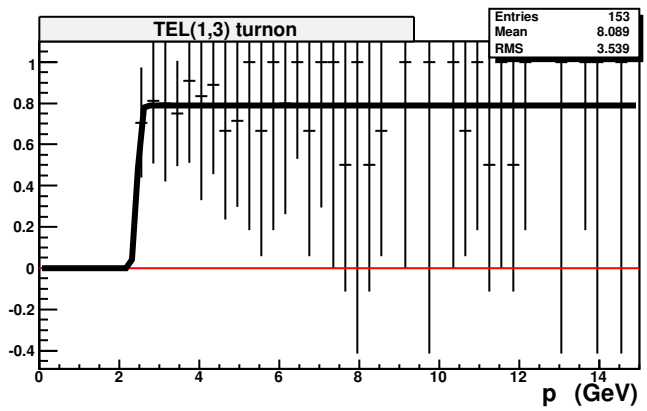

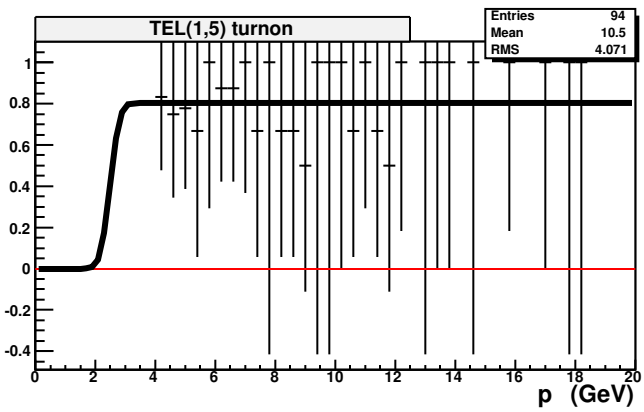

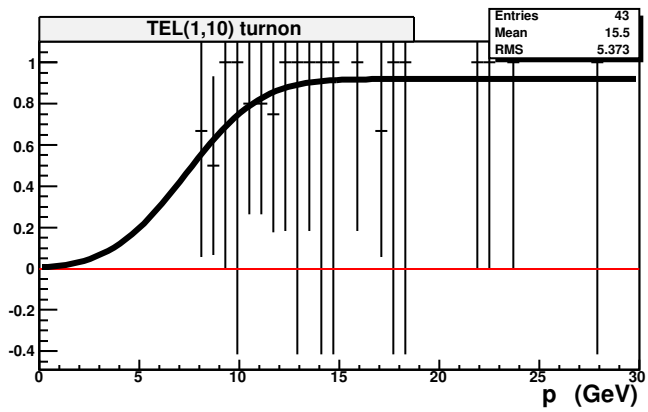

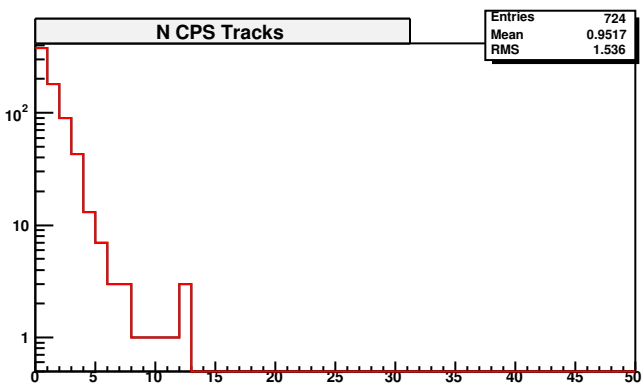

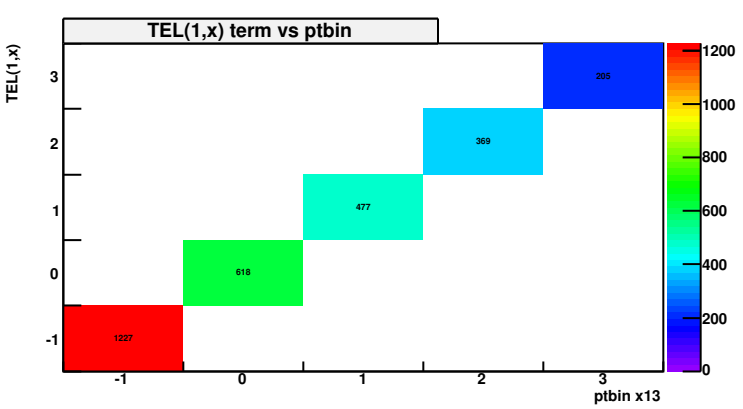

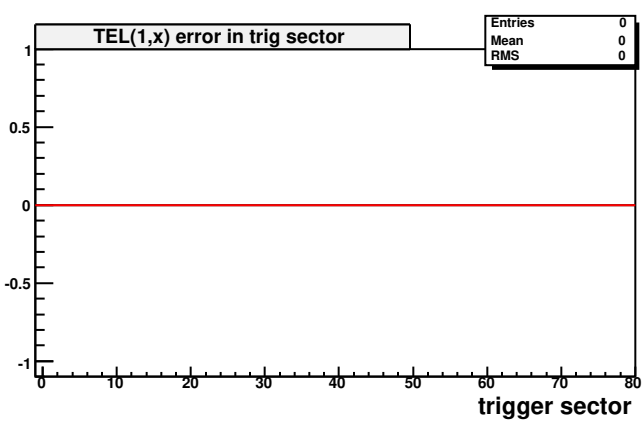

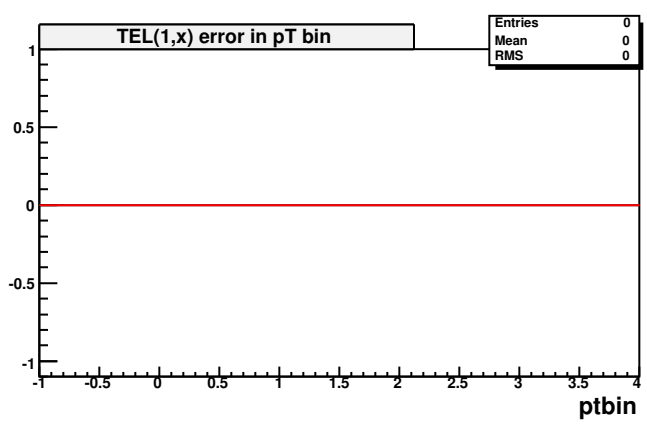

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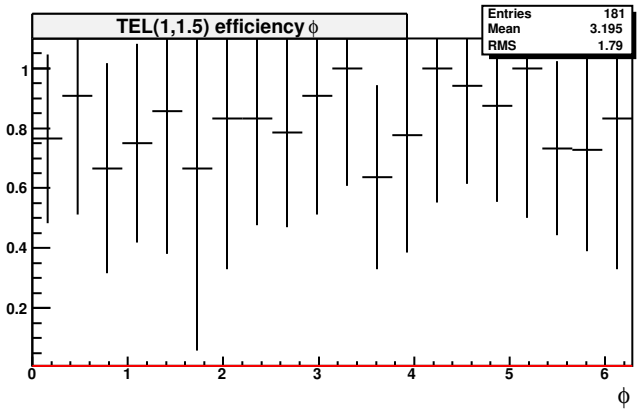

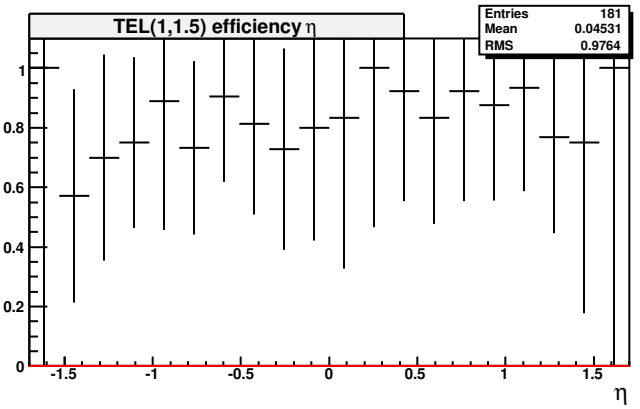

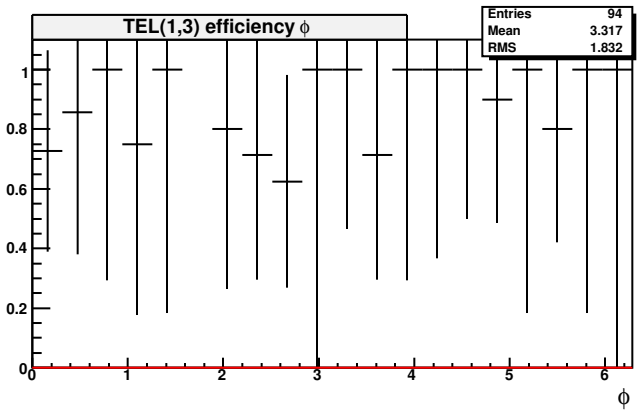

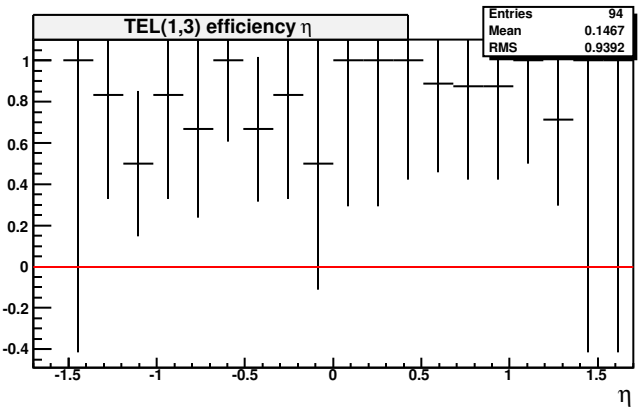

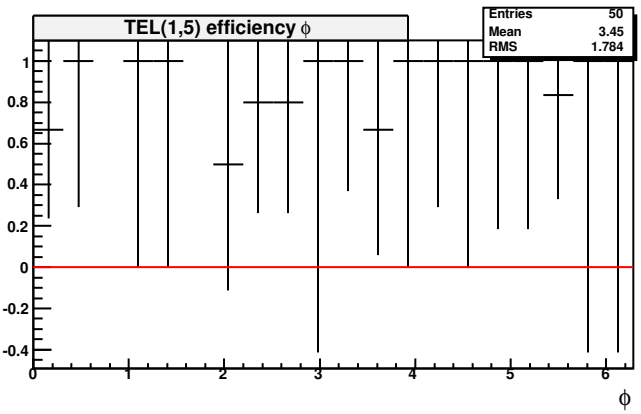

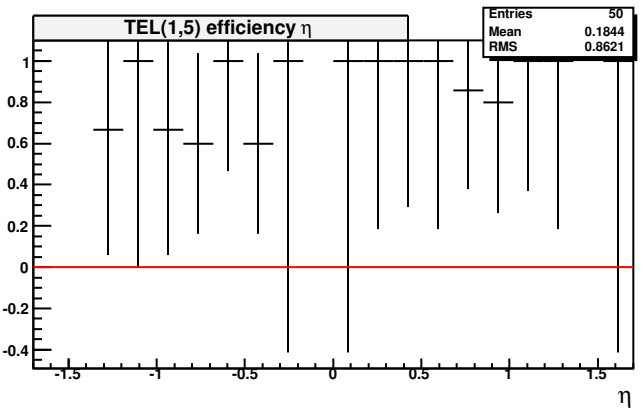

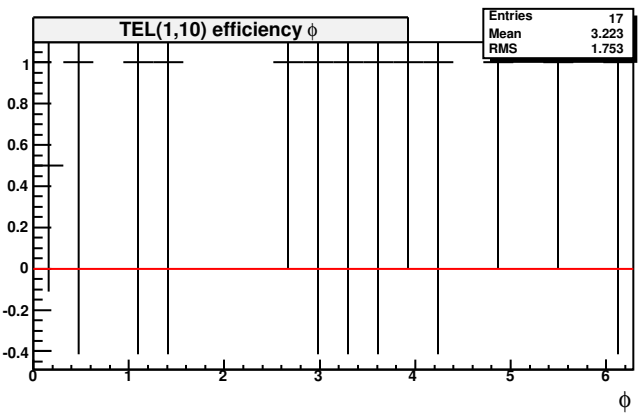

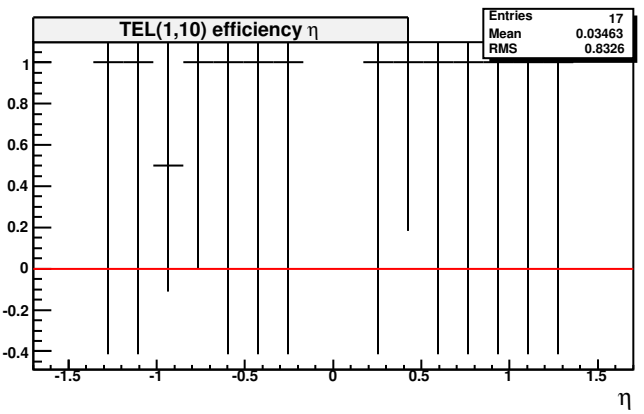

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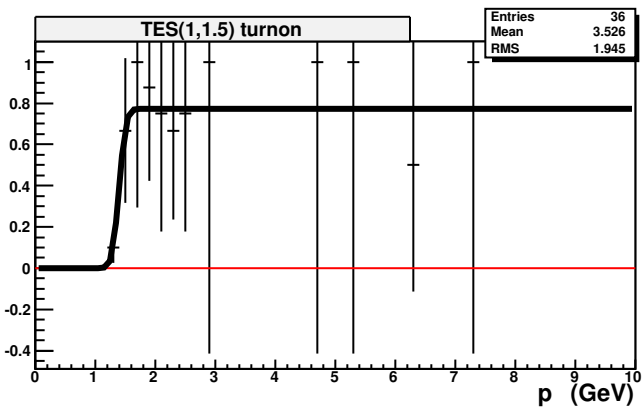
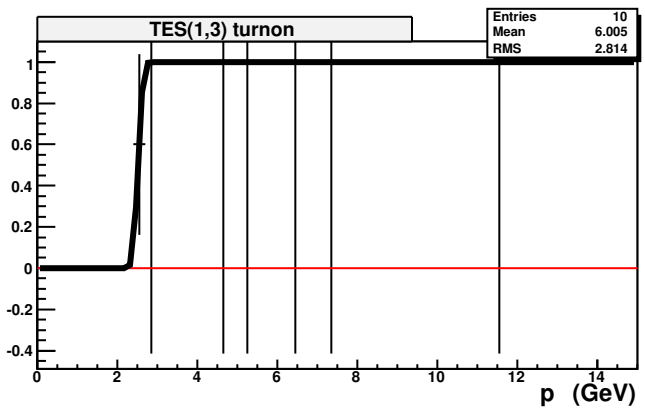
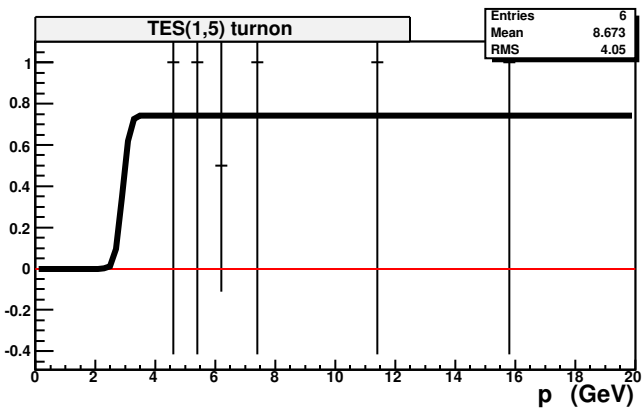
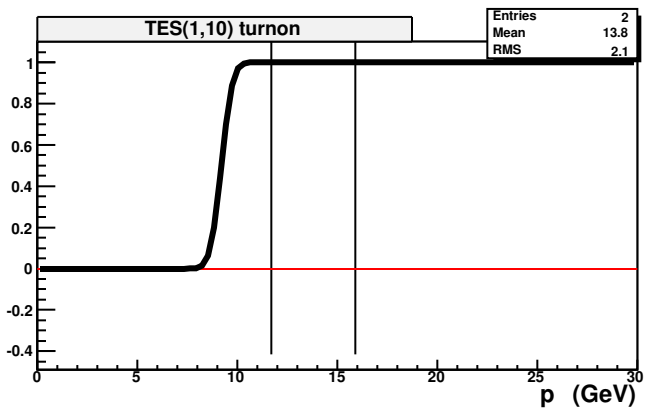
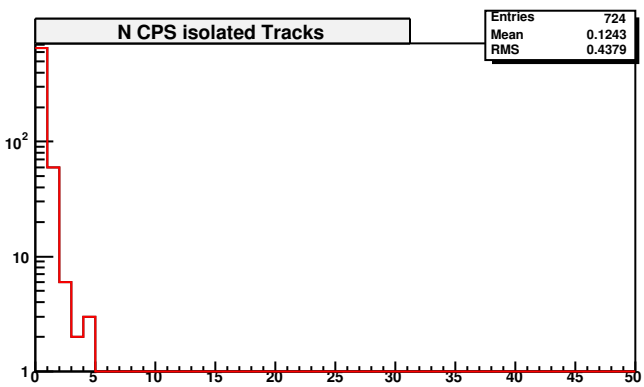
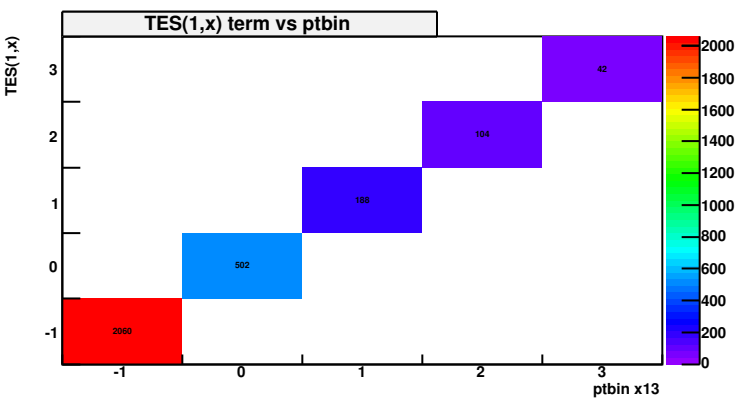


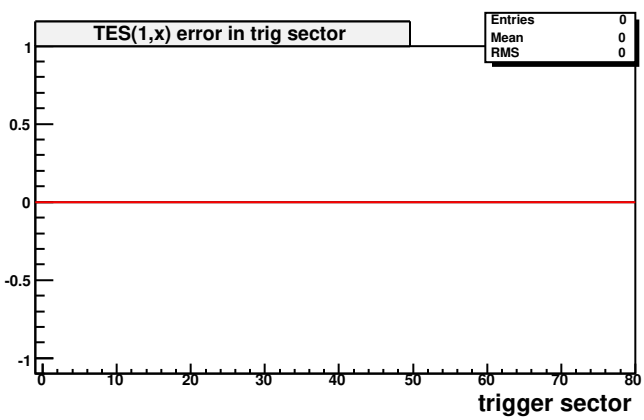


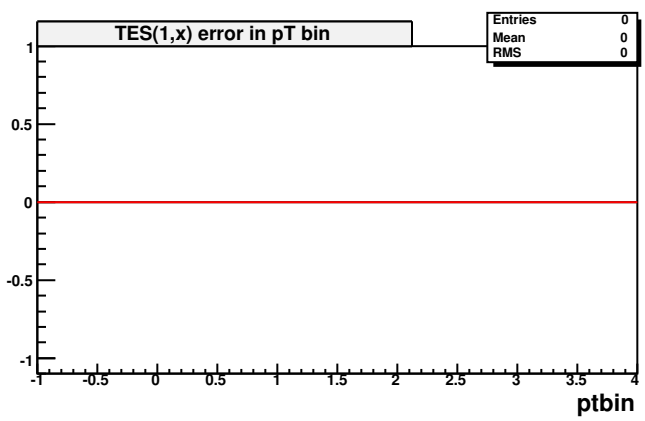




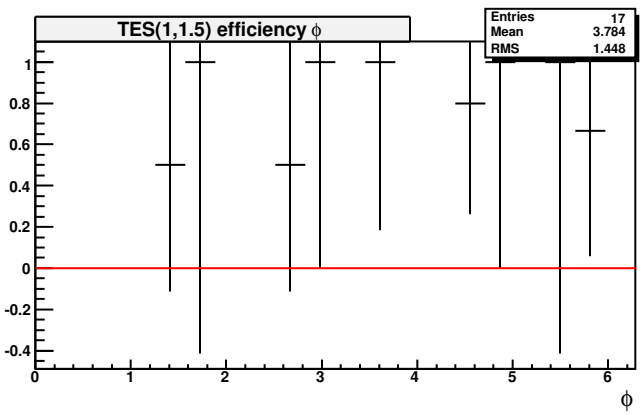


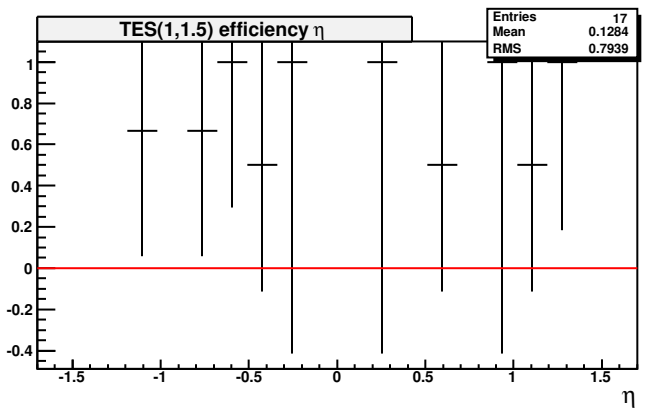


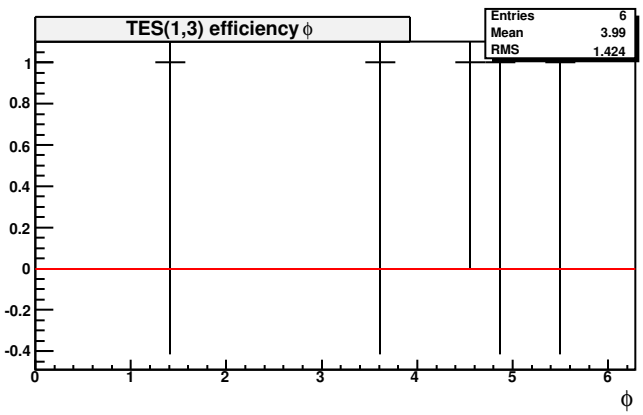


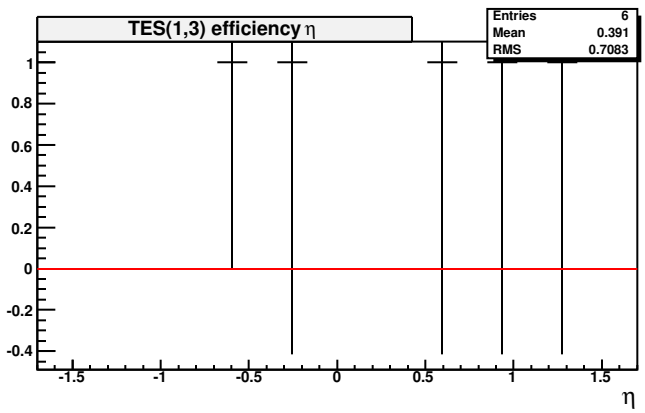


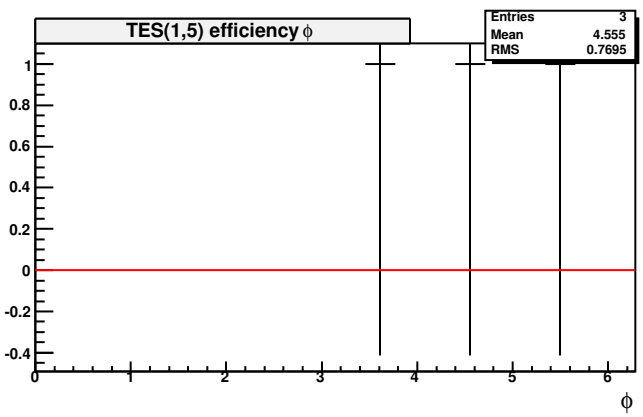
TES (L1CTT All)

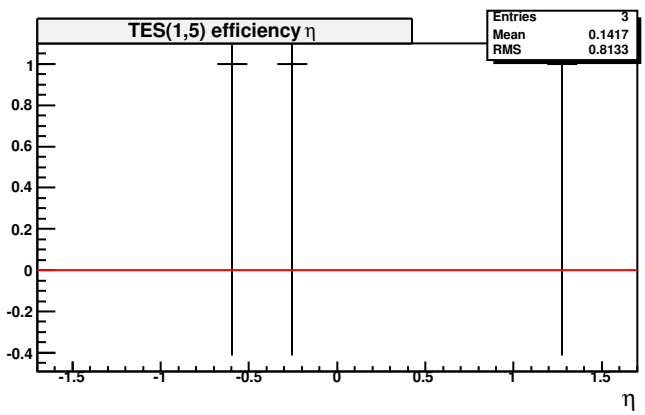


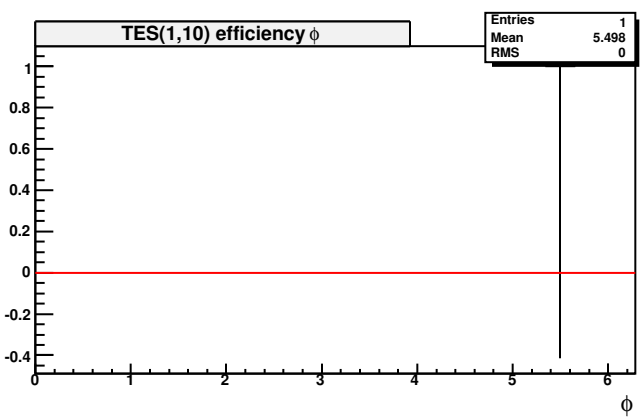


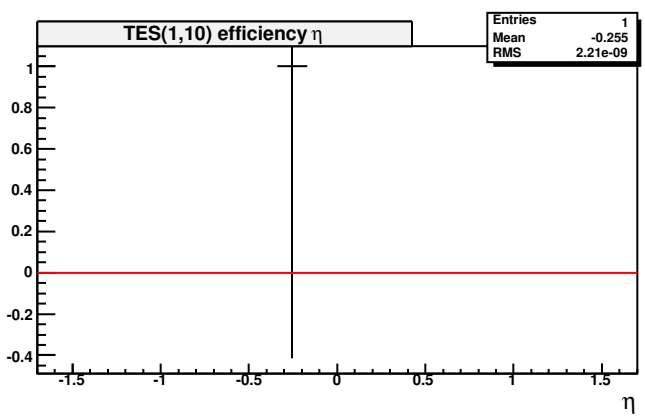




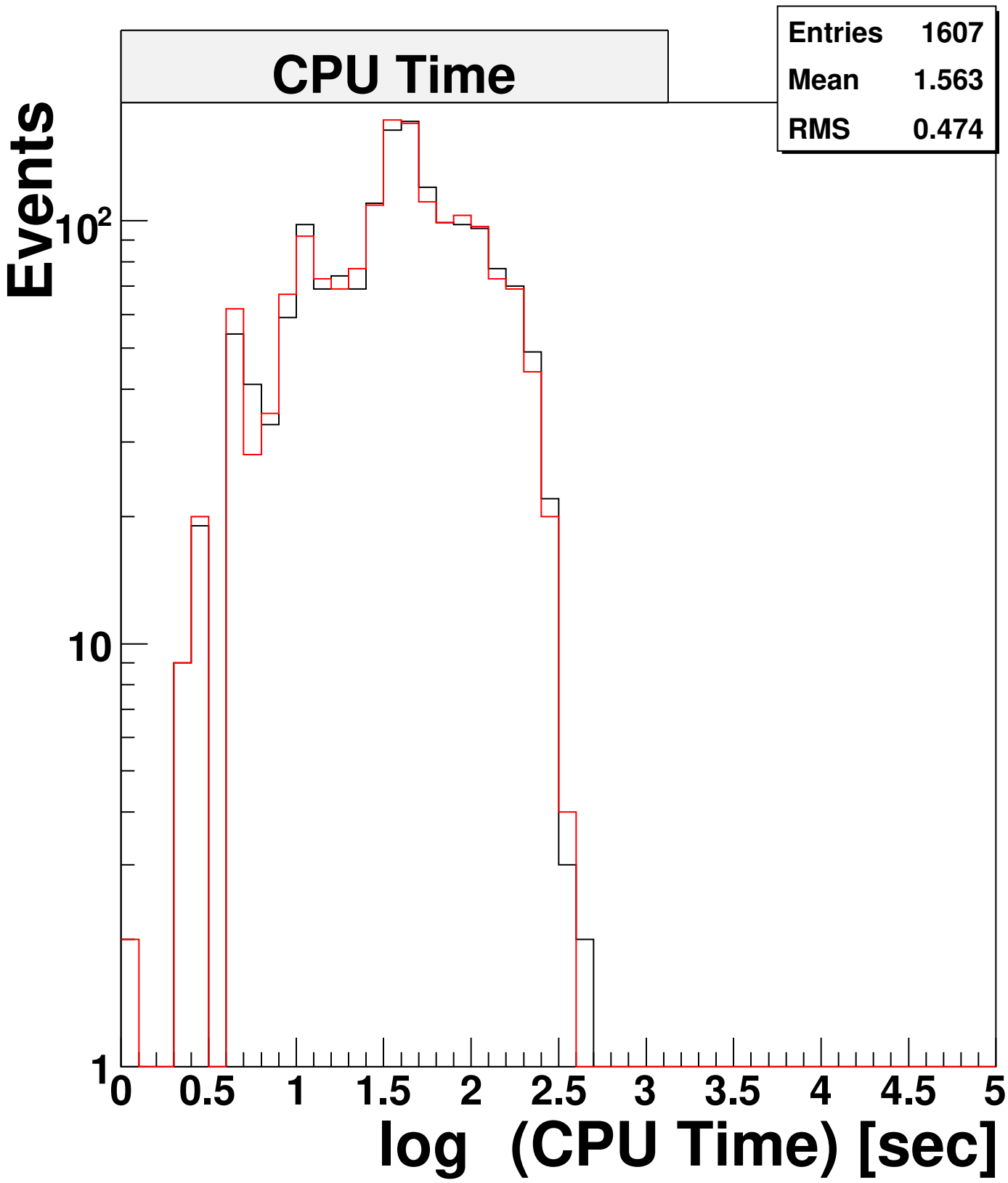








TES phi/eta (L1CTT All)



RECO Performance (Timing)