p2010_r229301_008.root
p2011_r229301_008.root

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Page 5: Tracks (Tight)
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Page 66: L1CTT TES Trigger Turn-on (All)
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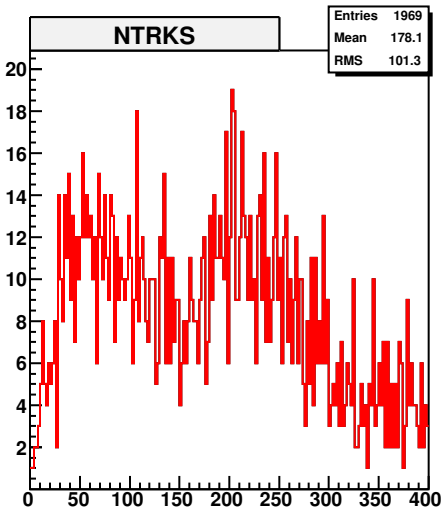
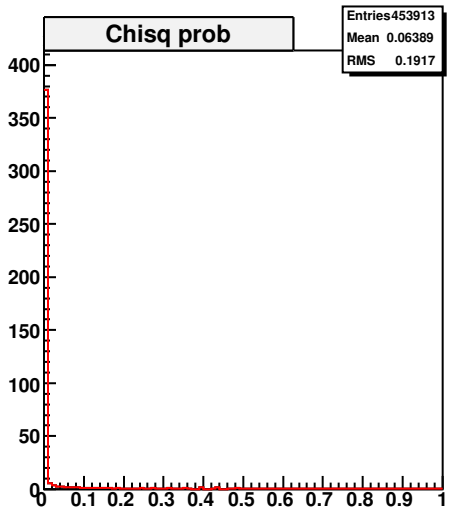
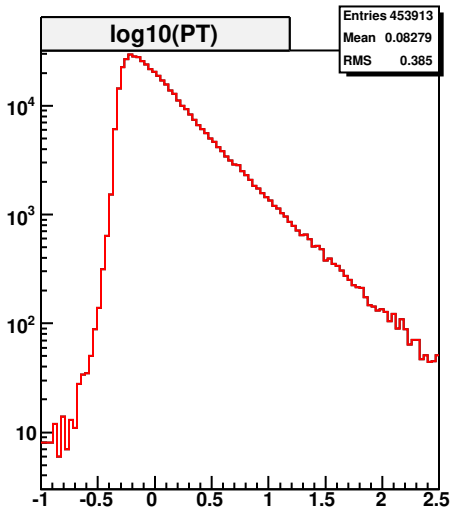
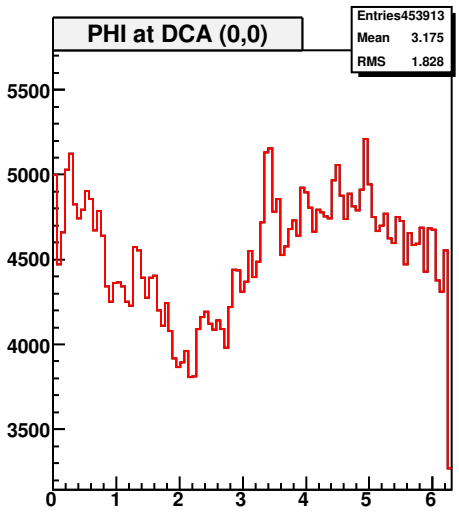
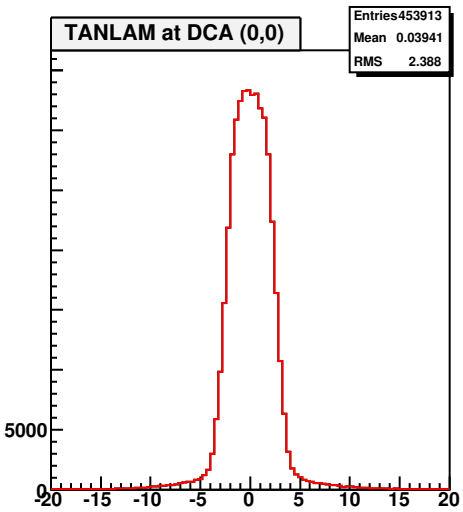
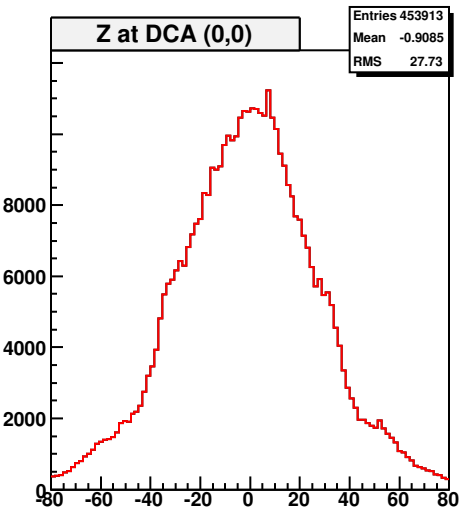

NTRKS
Entries 1969
Mean 178.1
RMS 101.3

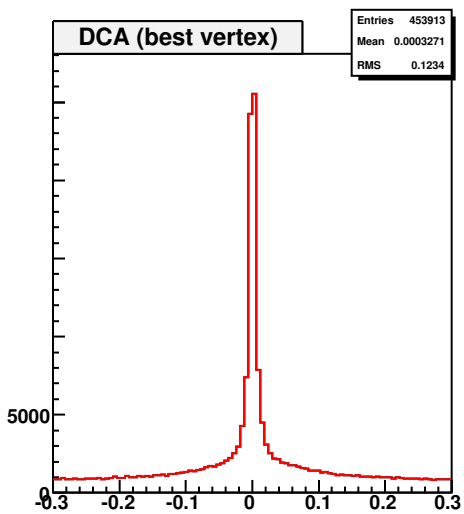

Chisq prob
Entries 453913
Mean 0.06389
RMS 0.1917

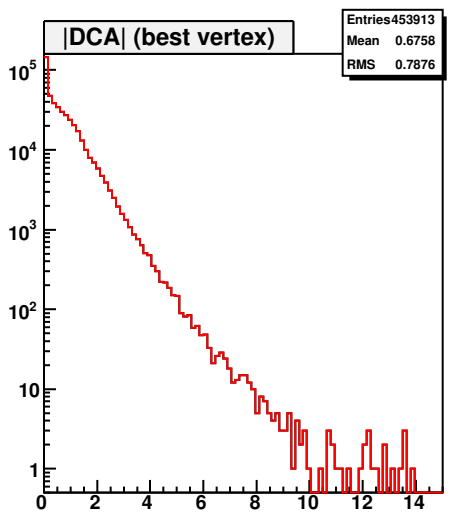

log10(PT)
Entries 453913
Mean 0.08279
RMS 0.385

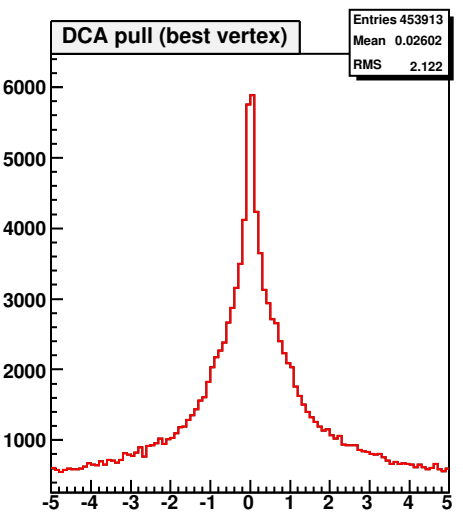

PHI at DCA (0,0)
Entries 453913
Mean 3.175
RMS 1.828


TANLAM at DCA (0,0)
Entries 453913
Mean 0.03941
RMS 2.388

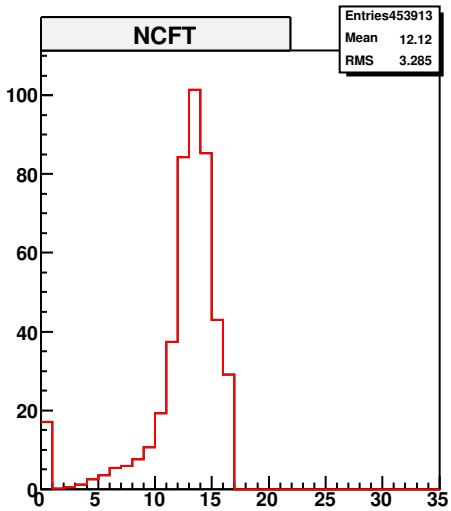

Z at DCA (0,0)
Entries 453913
Mean -0.9085
RMS 27.73

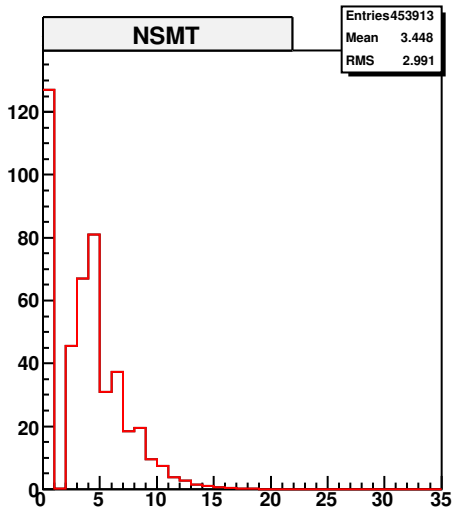

DCA (best vertex)
Entries 453913
Mean 0.0003271
RMS 0.1234

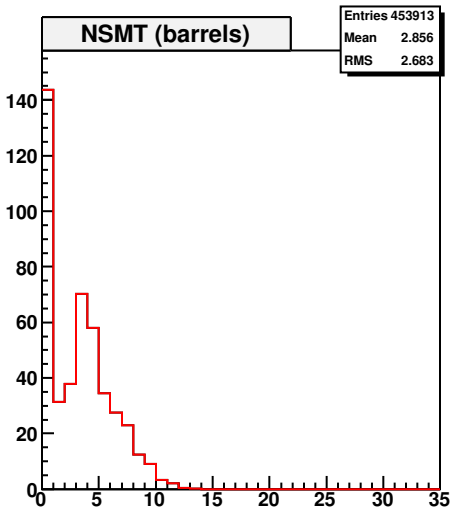

|DCA| (best vertex)
Entries 453913
Mean 0.6758
RMS 0.7876

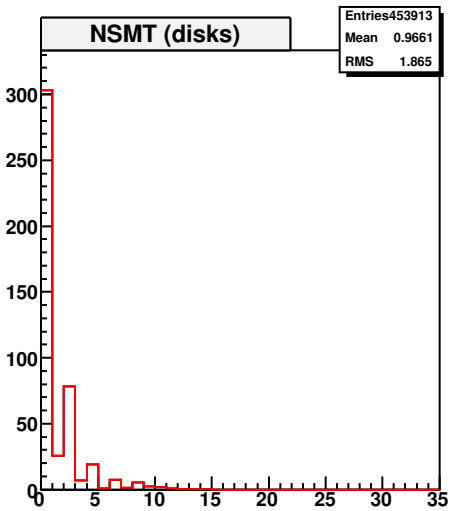

DCA pull (best vertex)
Entries 453913
Mean 0.02602
RMS 2.122

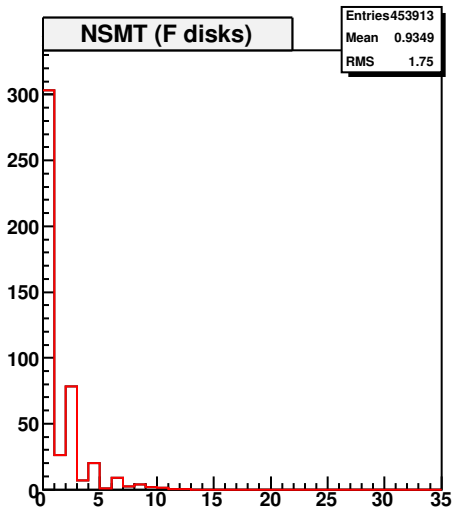
Tracks (All)

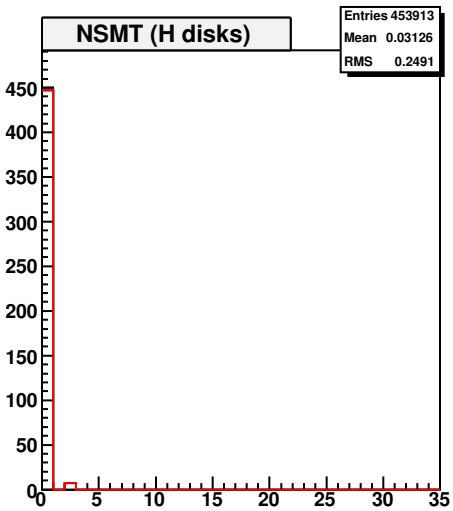


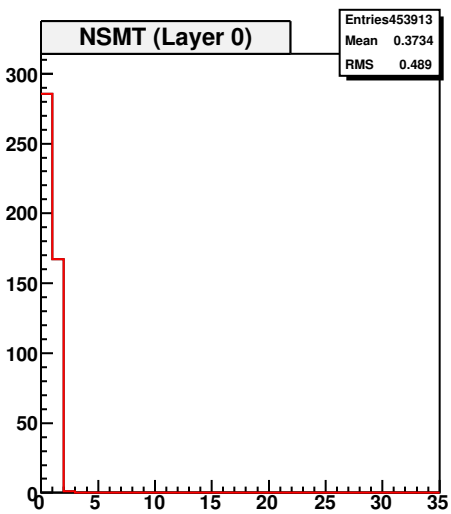




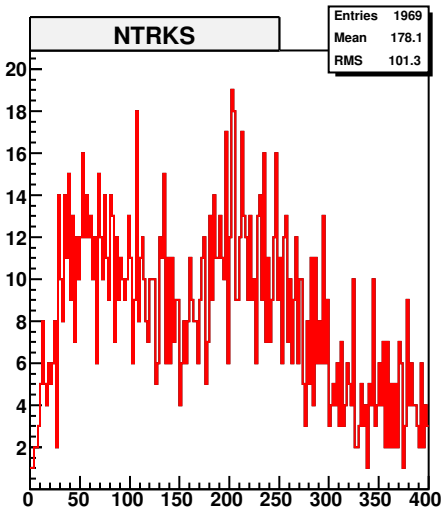


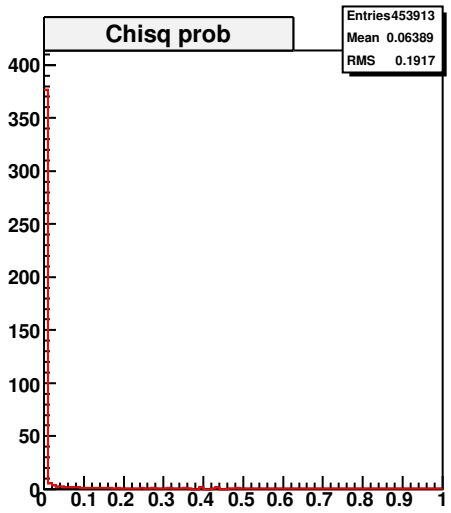


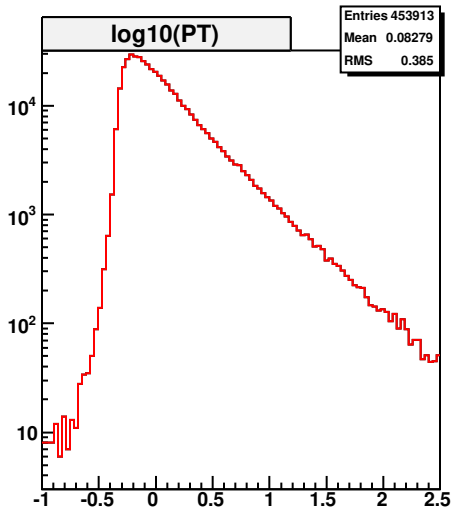


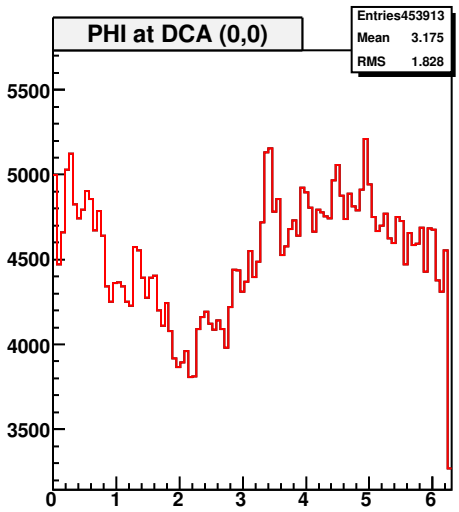


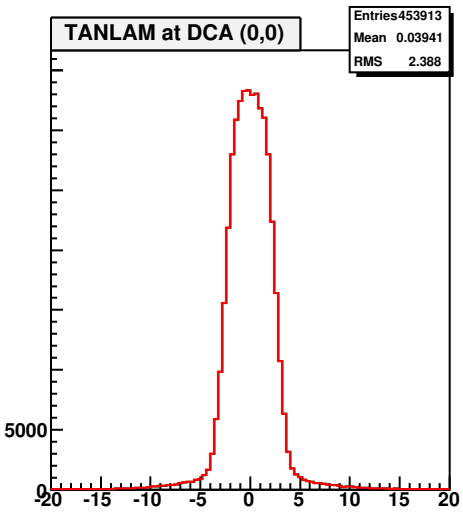
Track Hits (All)

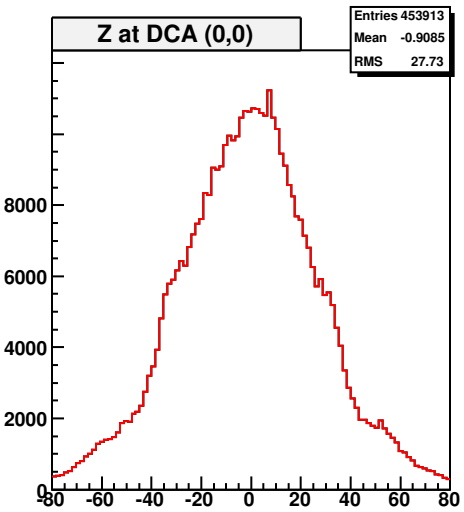


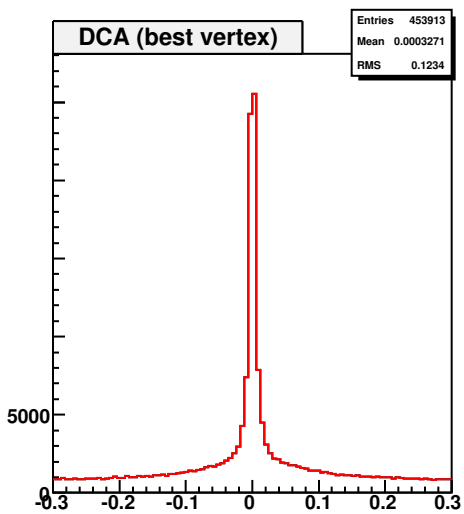


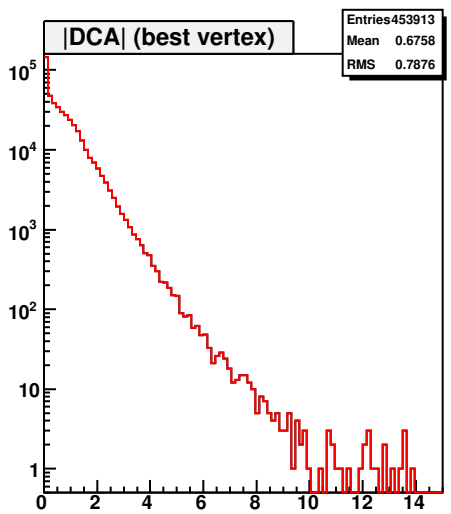


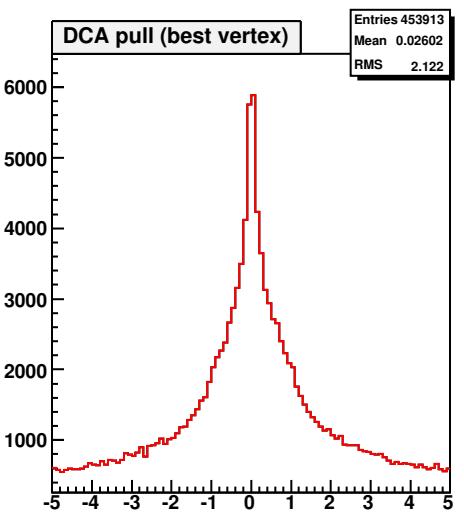




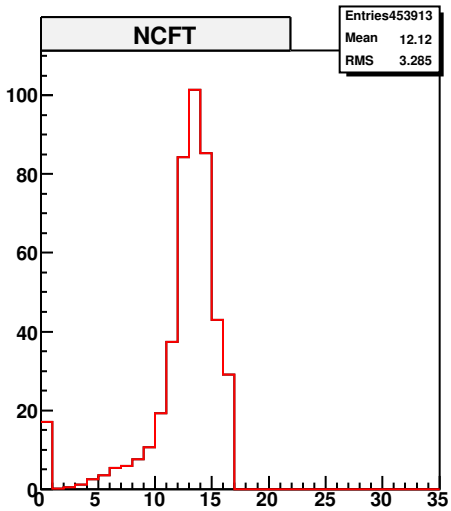


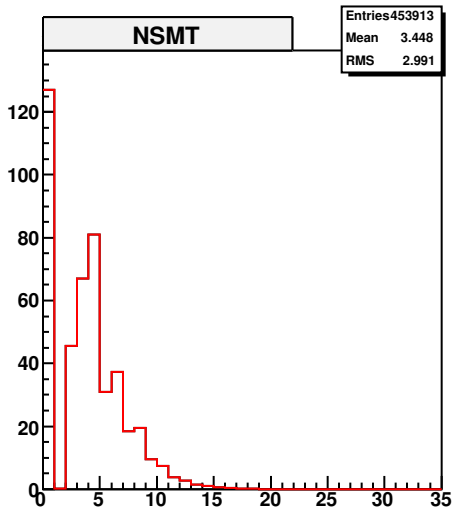


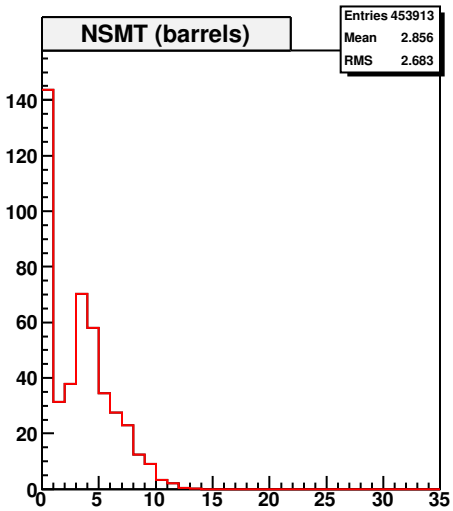


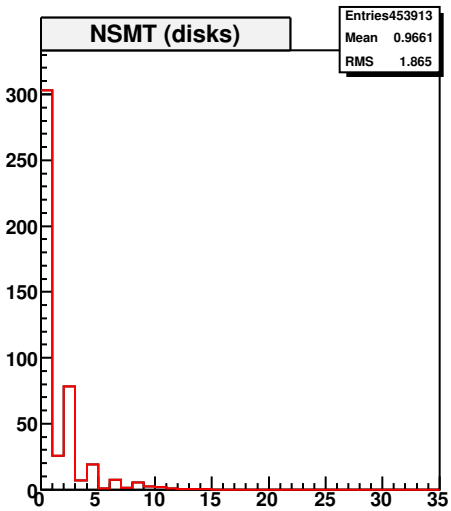


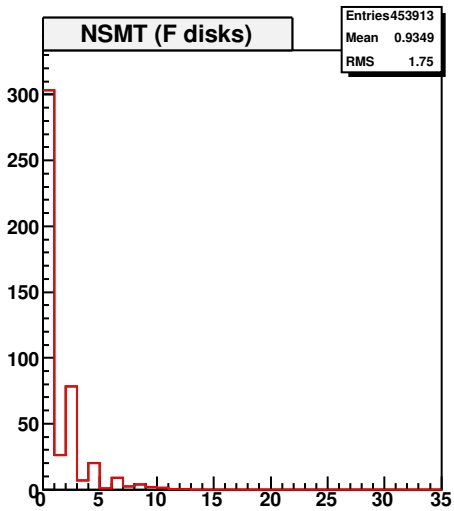
Tracks (Tight)

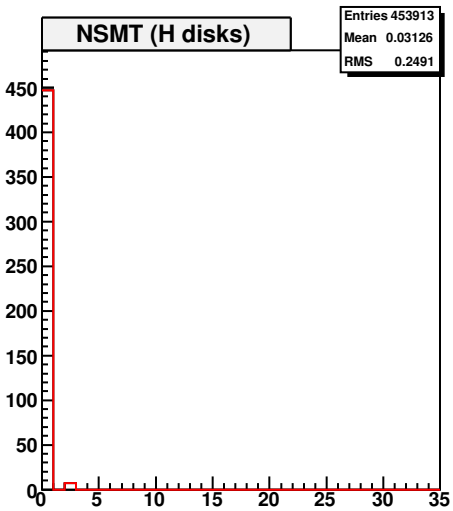


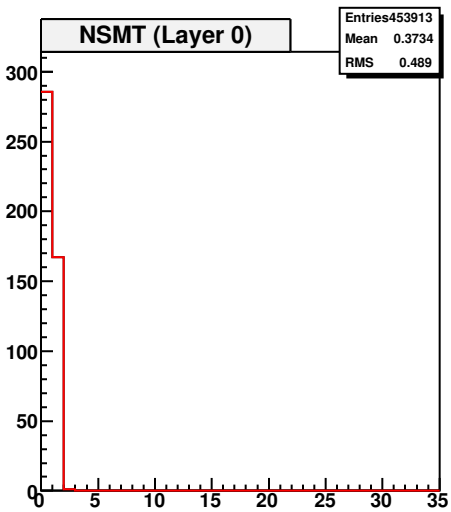




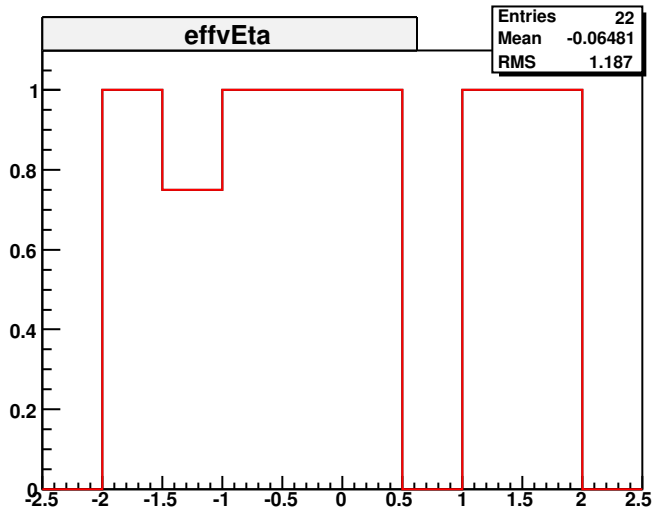


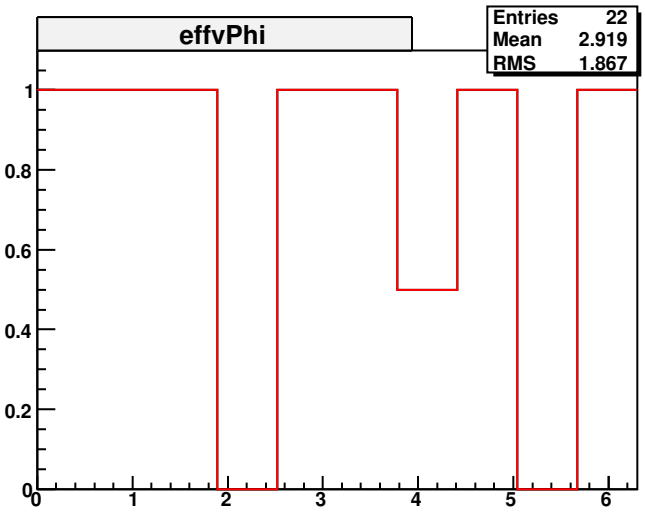


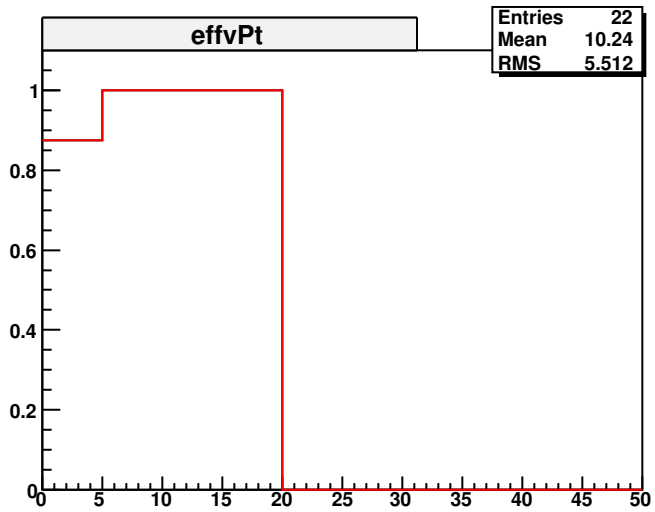


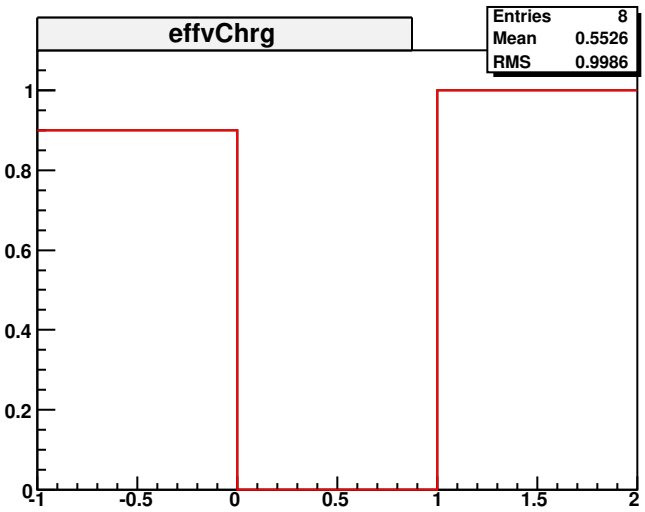


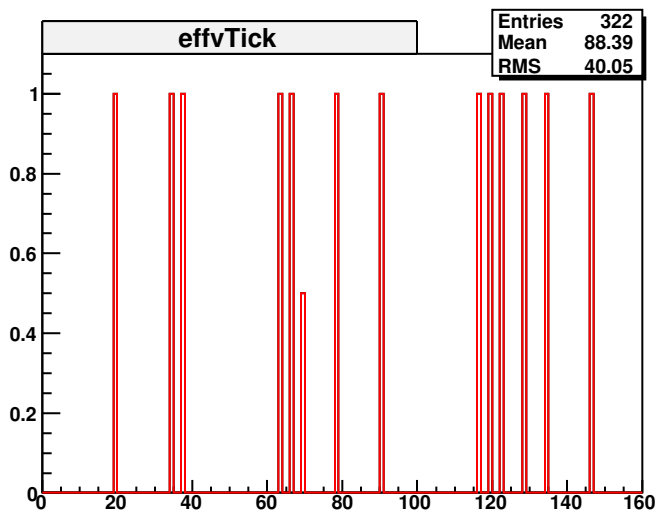
Track Hits (Tight)

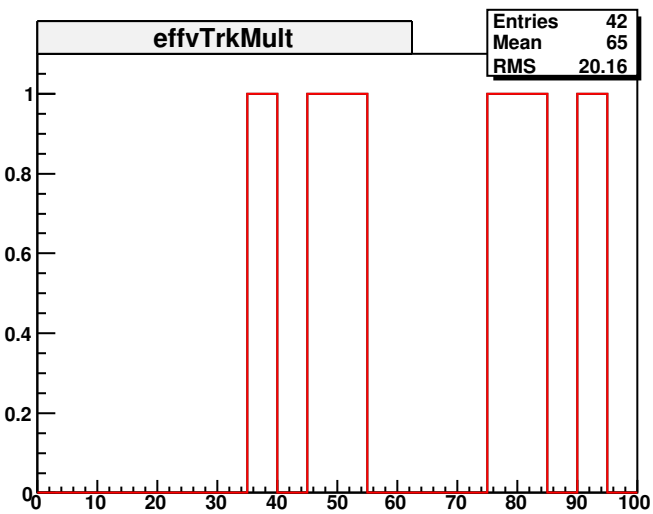




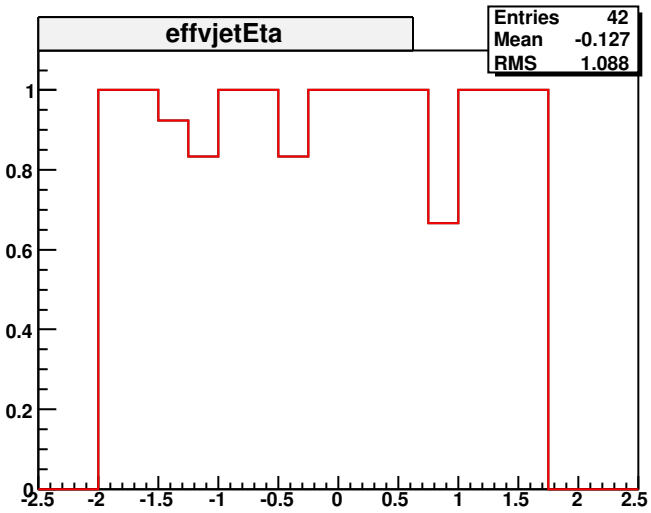


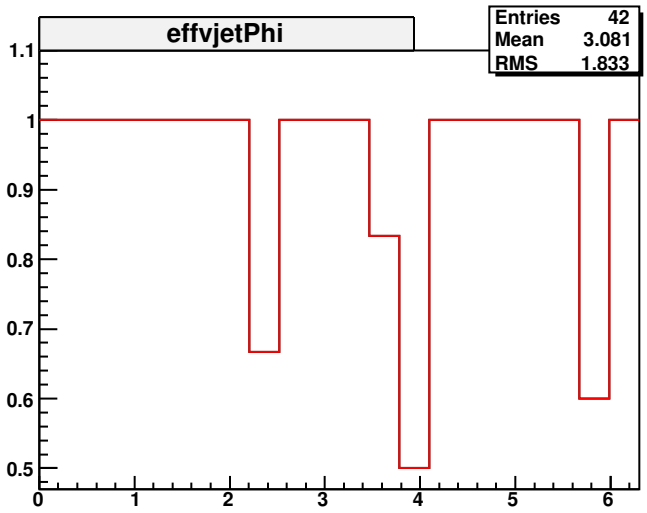


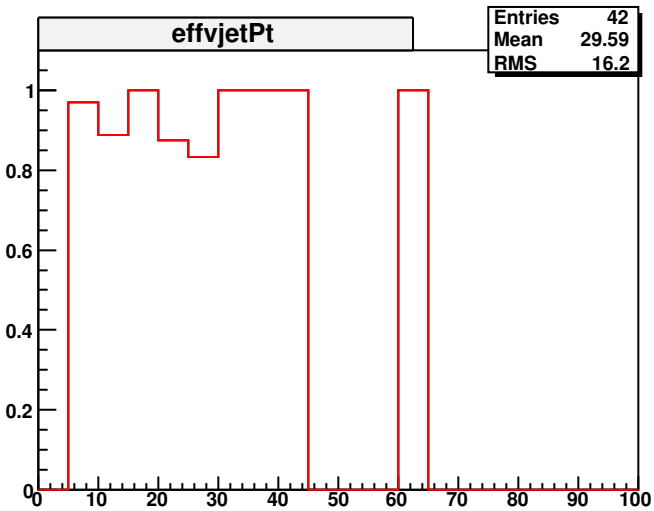


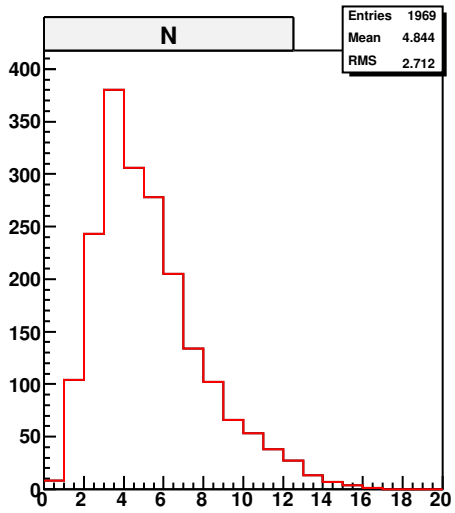


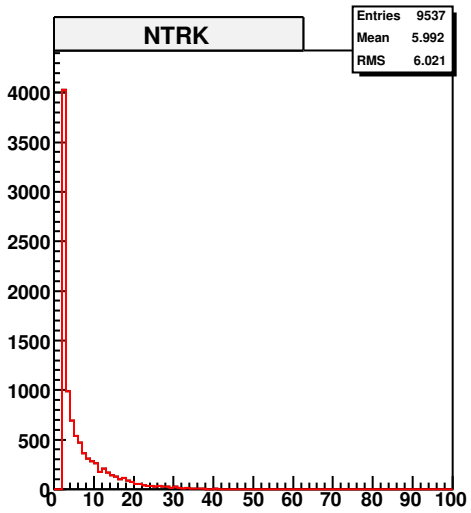
Tracking (Efficiency-Isolated)

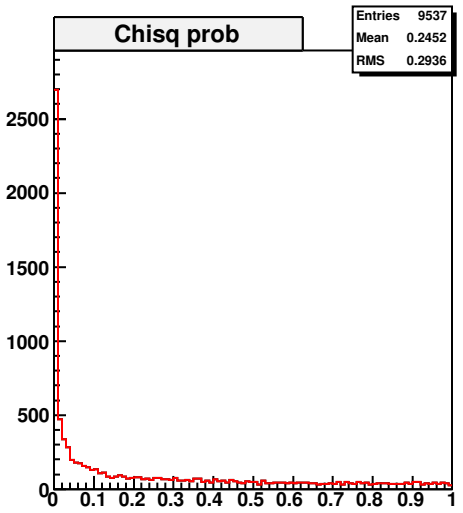

effvjetEta
Entries 42
Mean -0.127
RMS 1.088
1
0.8
0.6
0.4
0.2
0
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

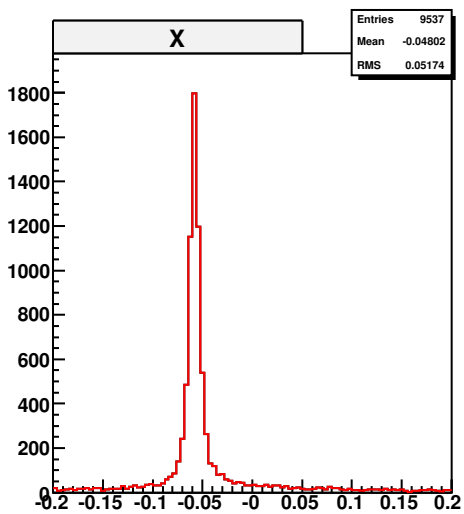

effvjetPhi
Entries 42
Mean 3.081
RMS 1.833
1.1
1
0.9
0.8
0.7
0.6
0.5
0 1 2 3 4 5 6

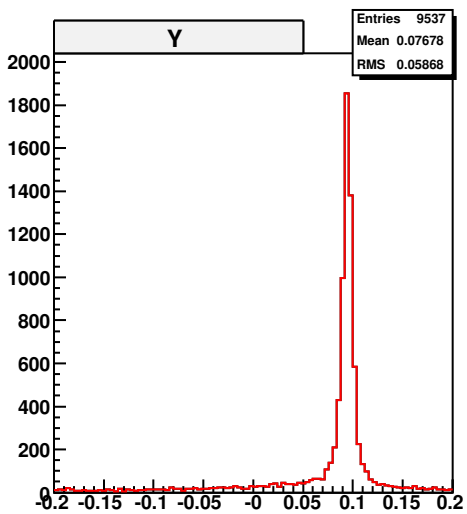

effvjetPt
Entries 42
Mean 29.59
RMS 16.2
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

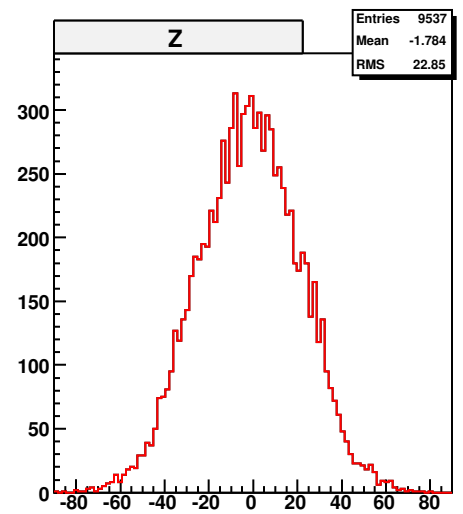


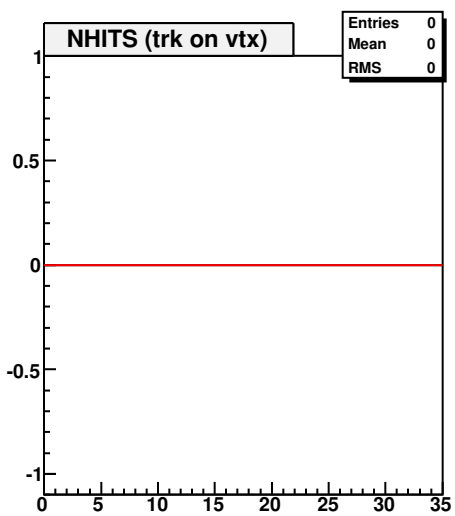


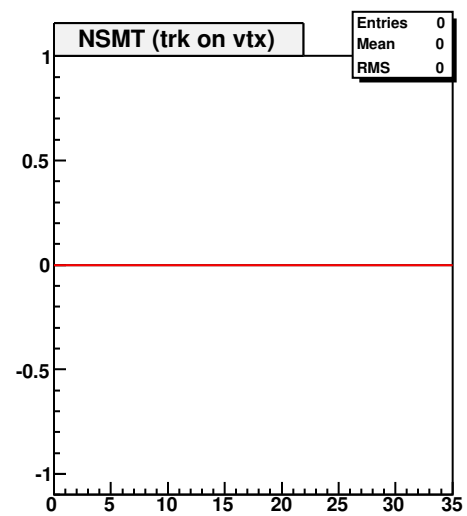


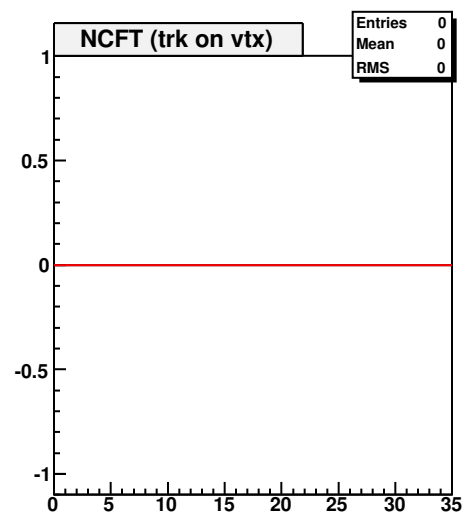




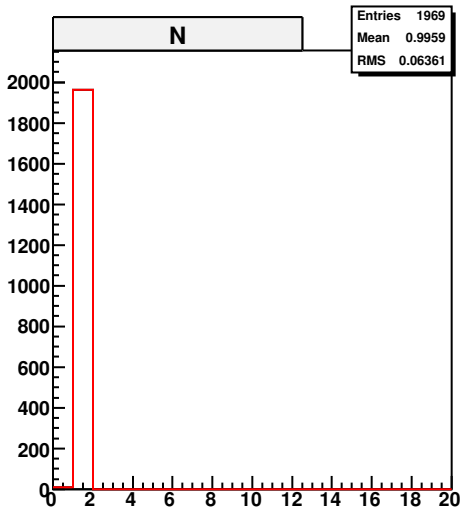


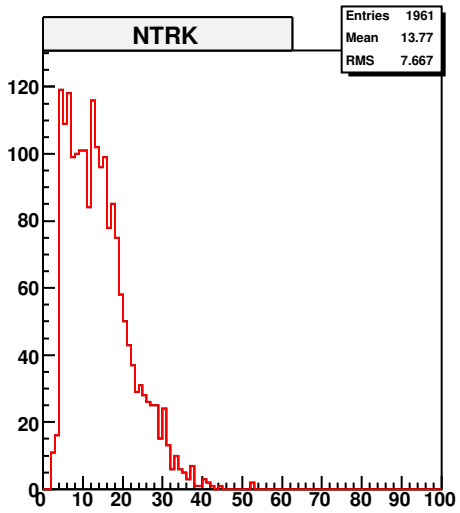


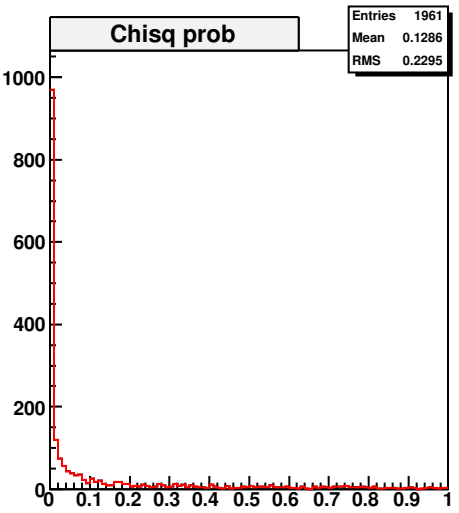


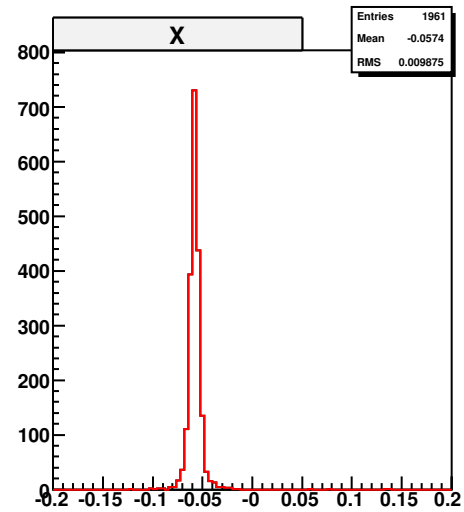


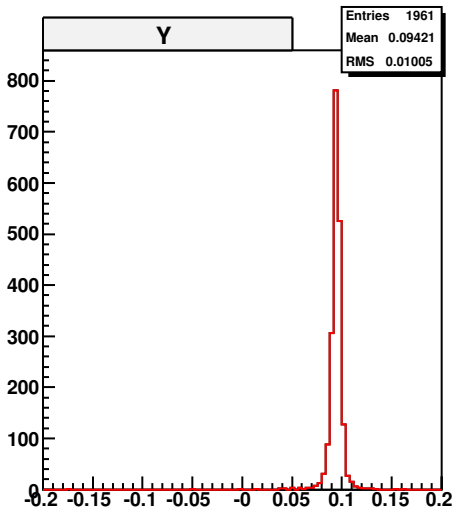
Vertices (Primary - all candidates)

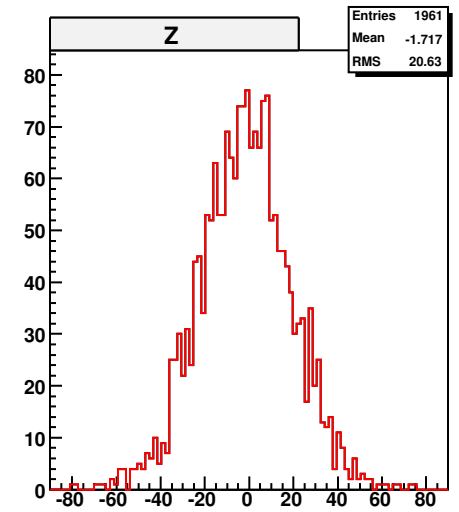


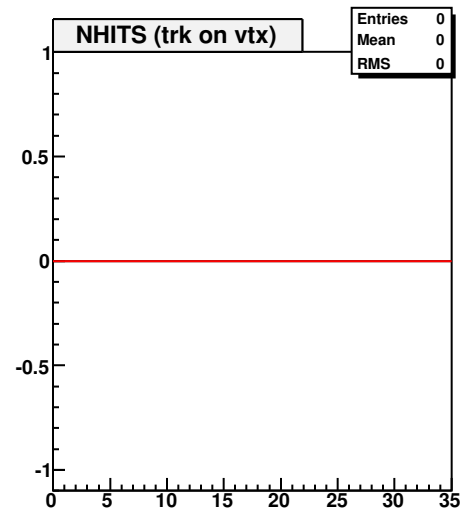


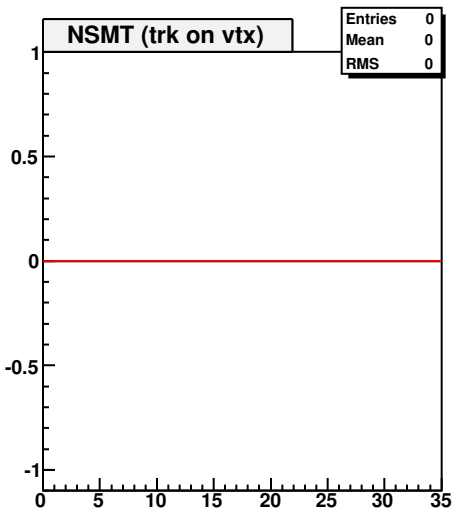


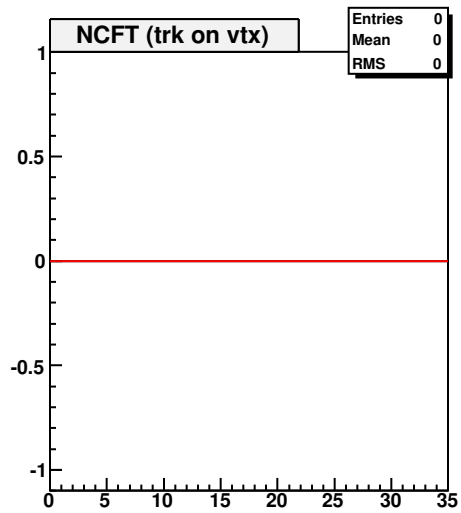




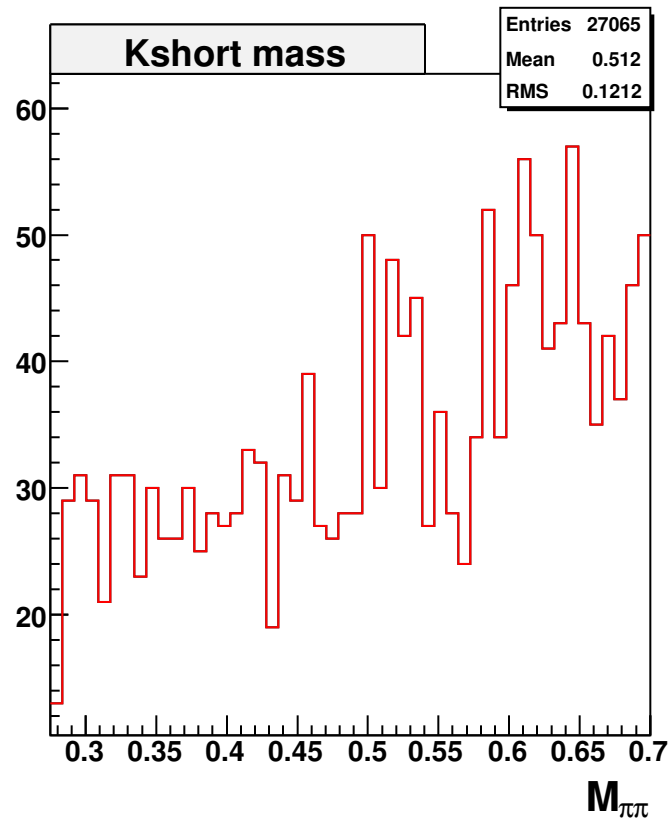


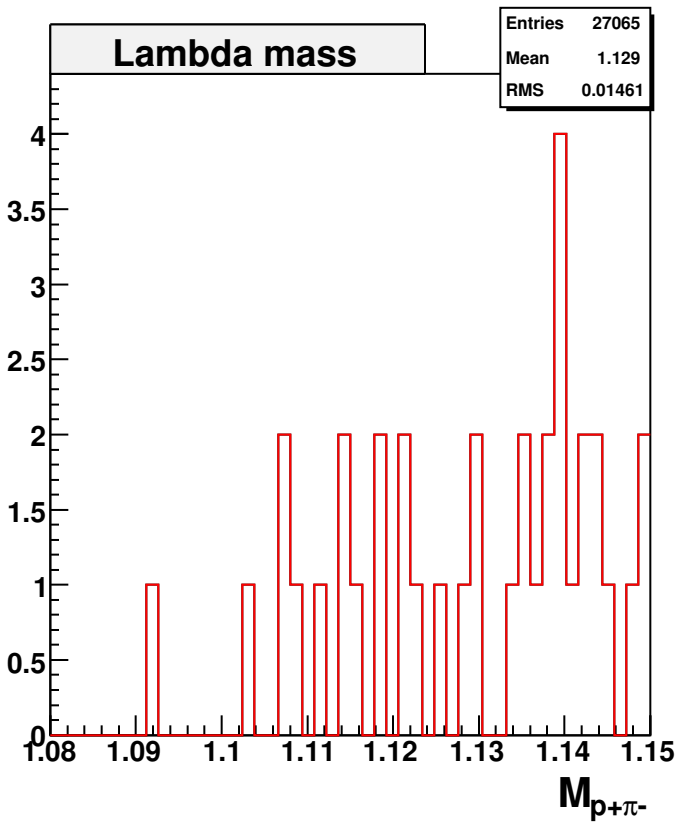


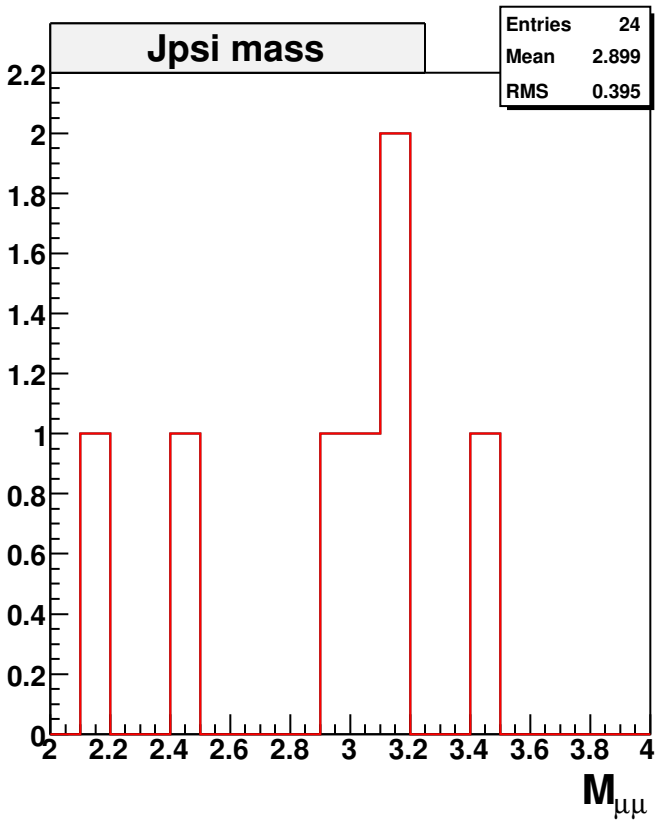


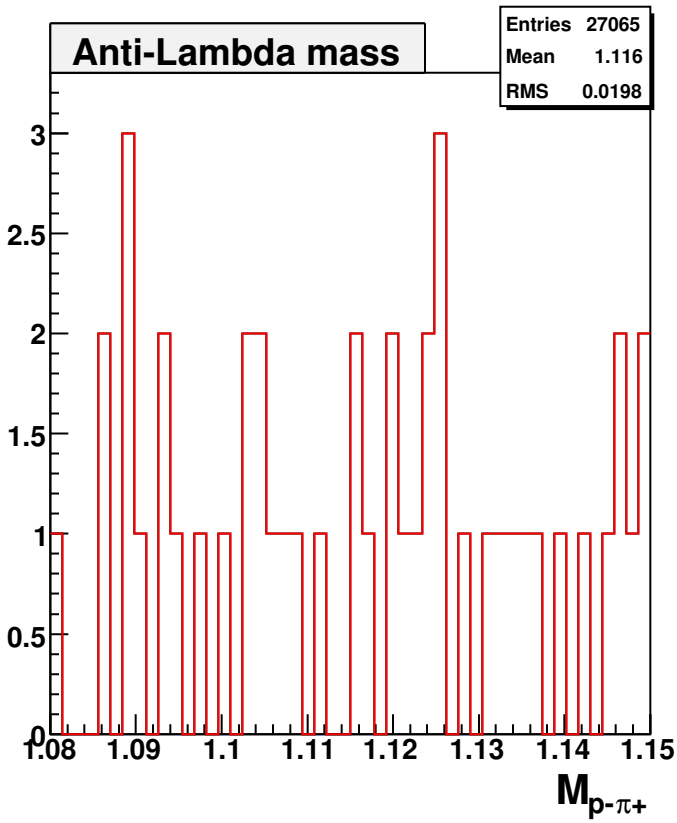


Vertices (Primary - best)

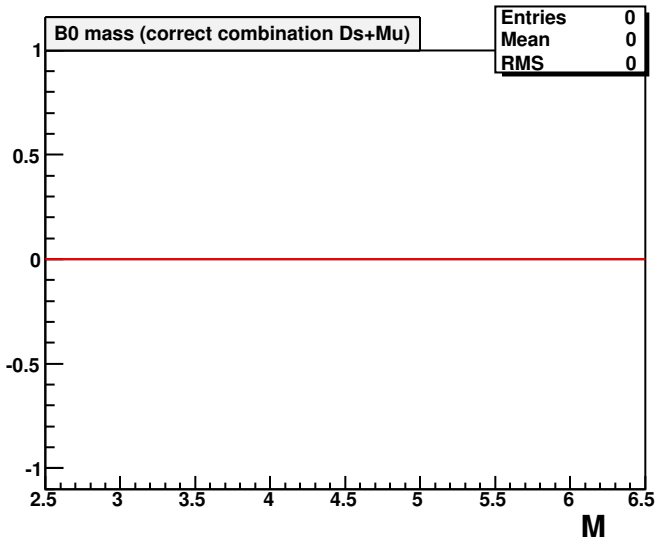

Kshort mass
Entries 27065
Mean 0.512
RMS 0.1212
60
50
40
30
20
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
Mππ

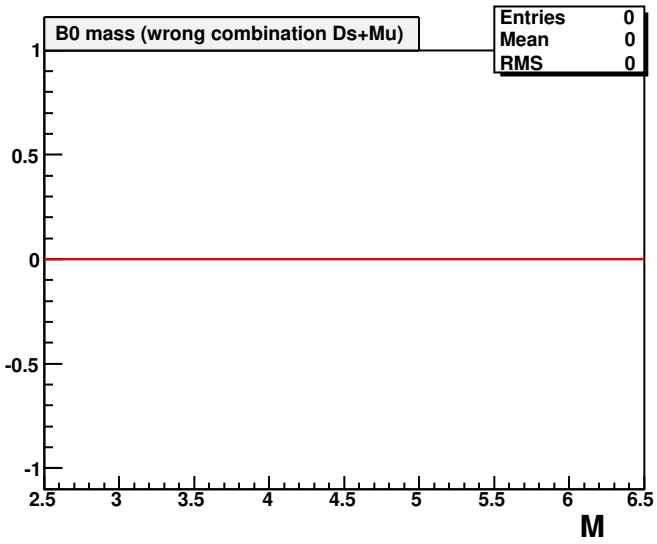

Lambda mass
Entries 27065
Mean 1.129
RMS 0.01461
4
3.5
3
2.5
2
1.5
1
0.5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp+π-

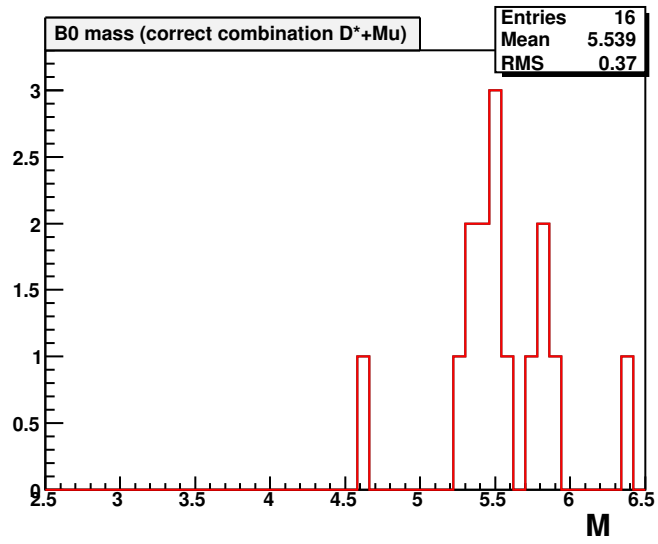

Jpsi mass
Entries 24
Mean 2.899
RMS 0.395
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
Mμμ

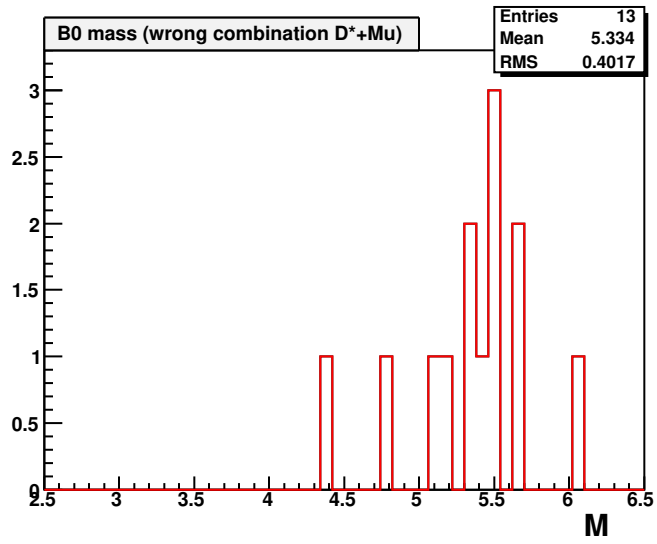

Anti-Lambda mass
Entries 27065
Mean 1.116
RMS 0.0198
3
2.5
2
1.5
1
0.5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp-π+

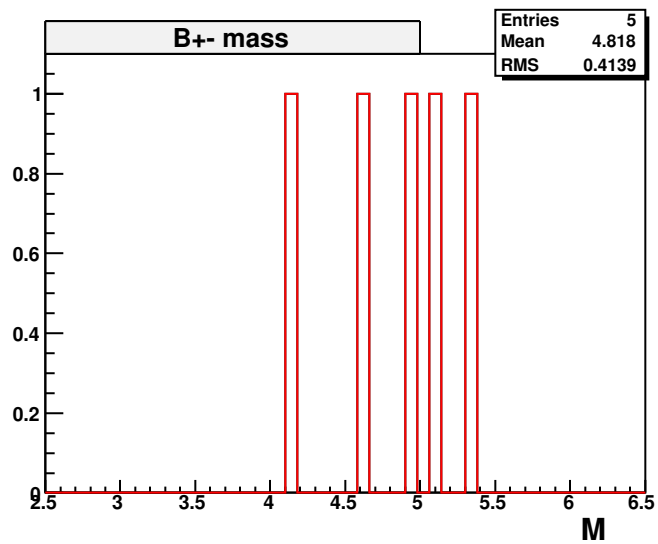
V0 (All)



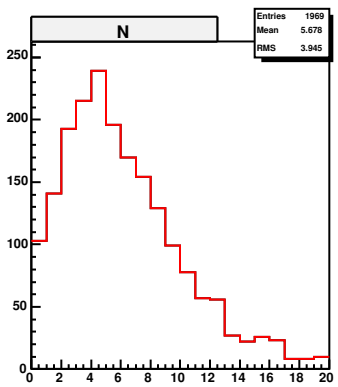


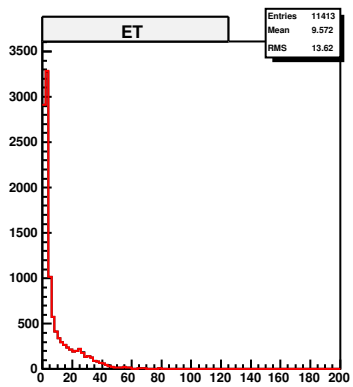


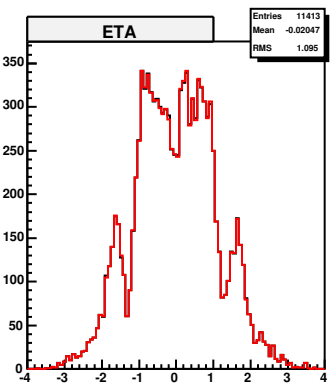


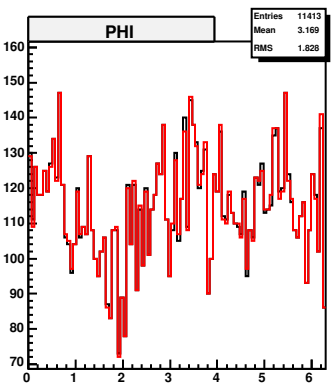


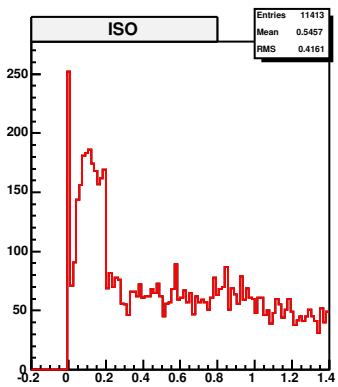
V0(B mesons) (All)

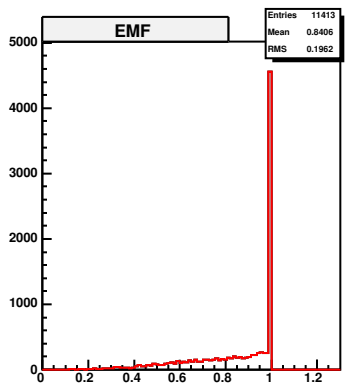


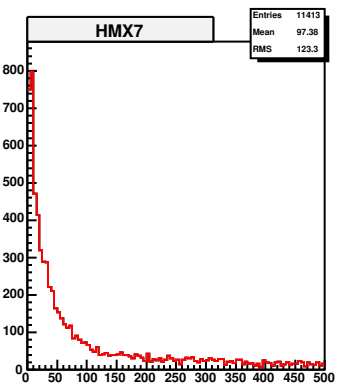


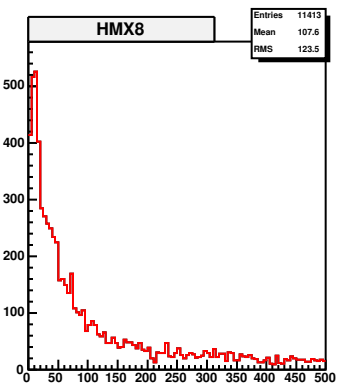


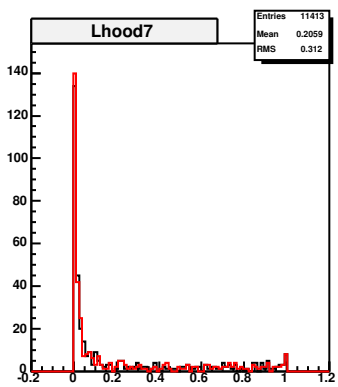


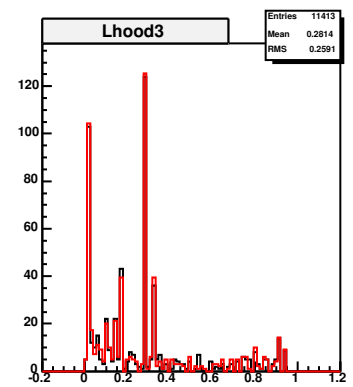


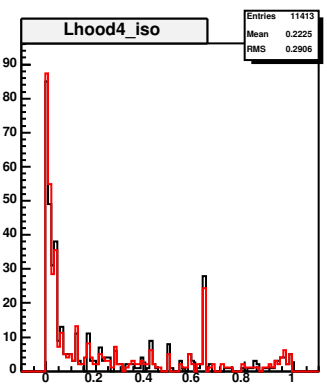


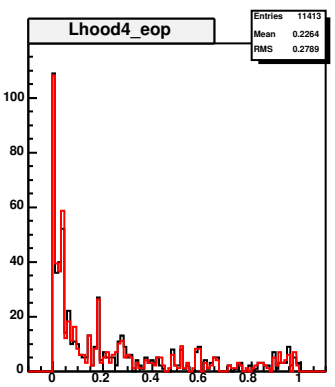


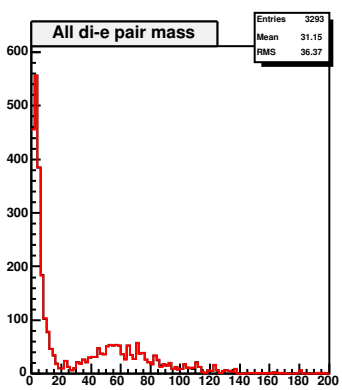


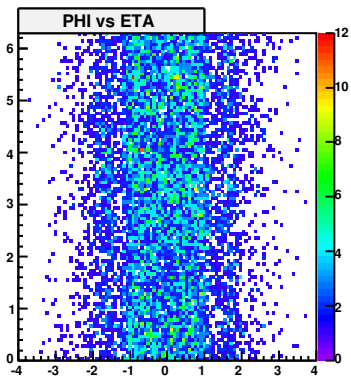


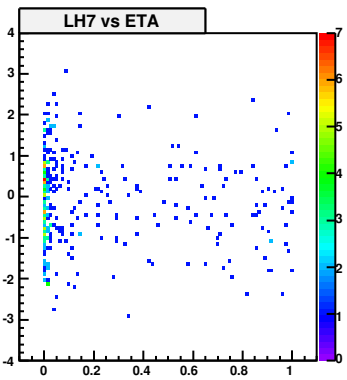


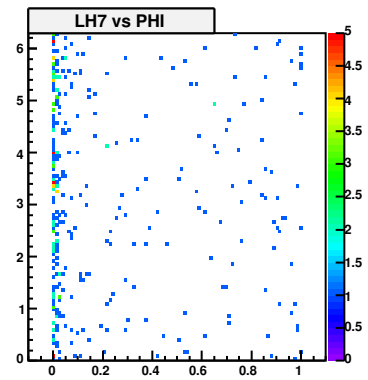




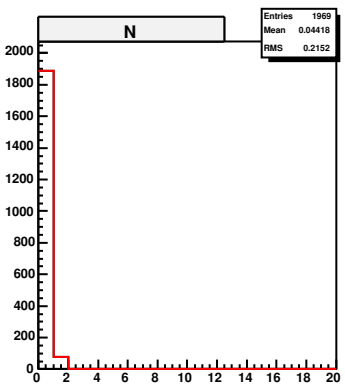


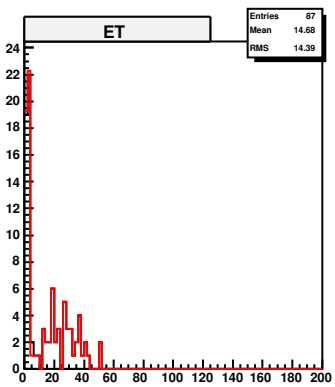


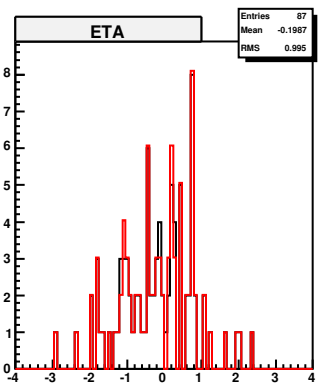


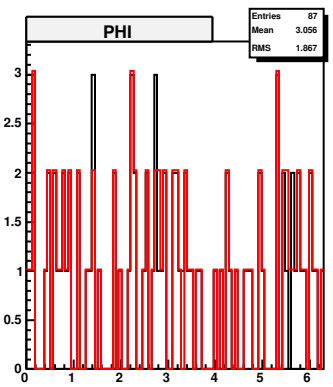


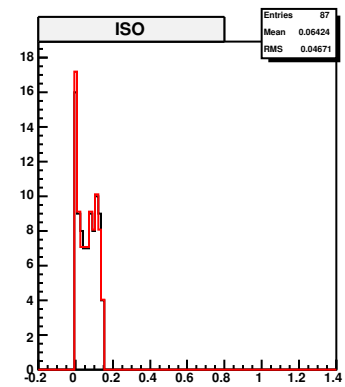
Electrons (SCONE All)

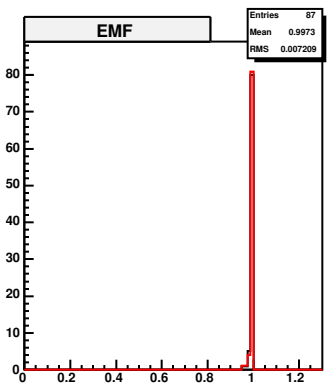


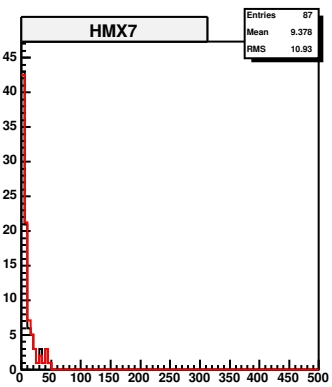


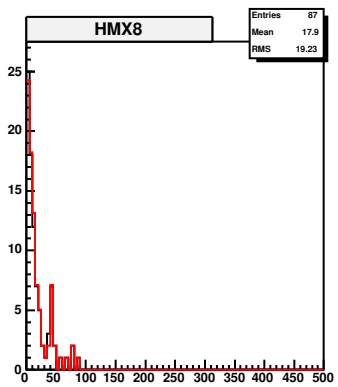


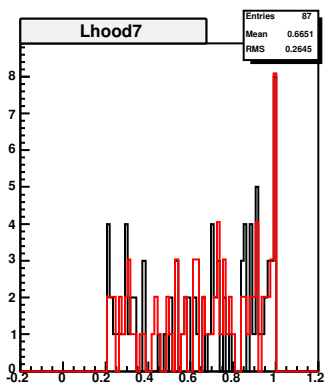


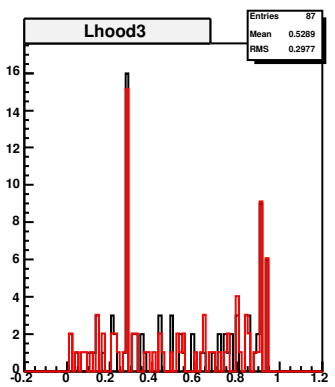


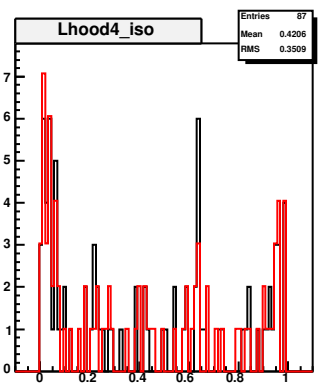


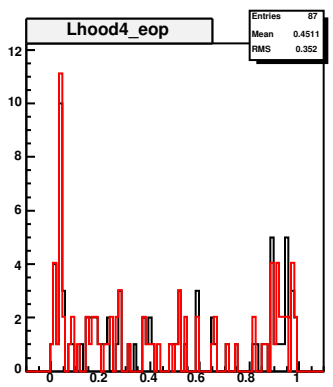


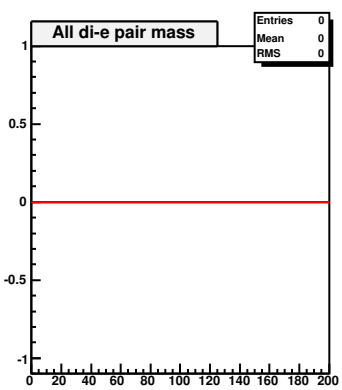


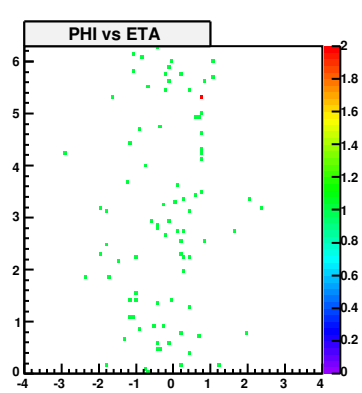


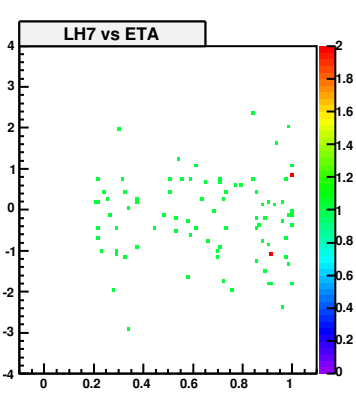


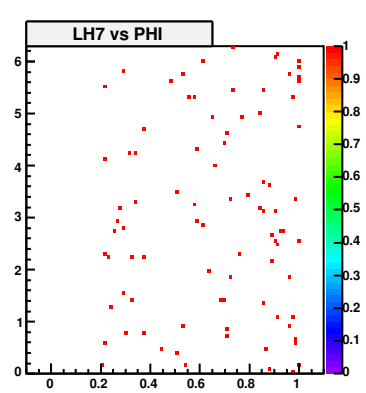




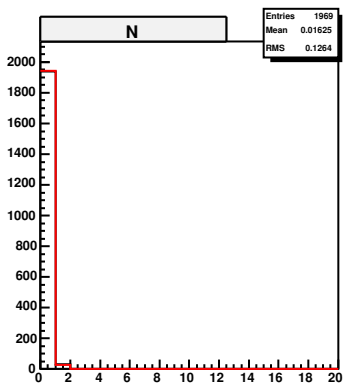


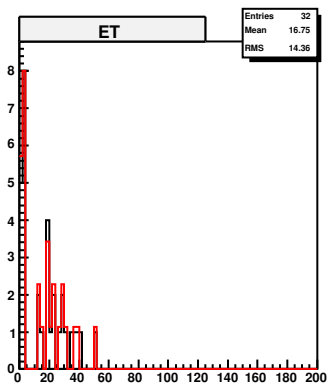


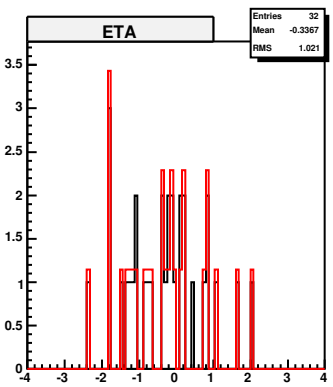


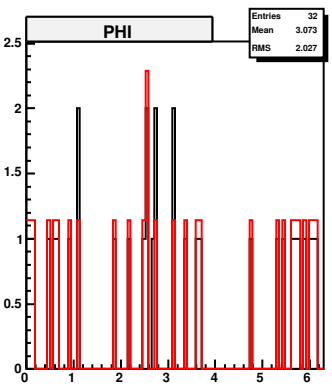


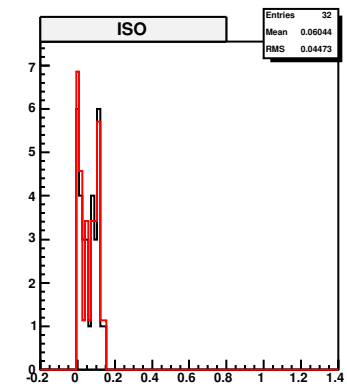
Electrons (SCONE Loose)

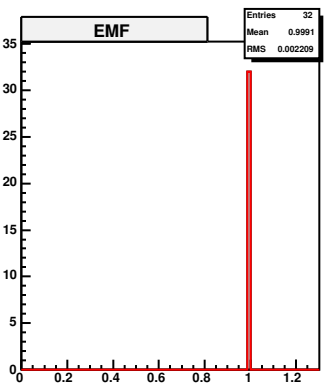


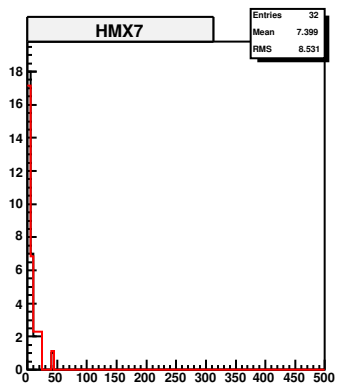


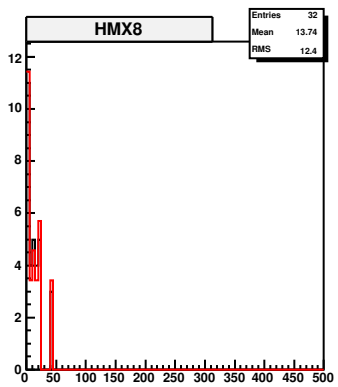


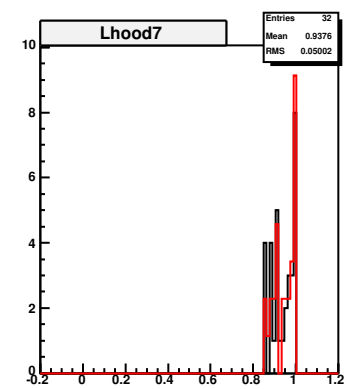


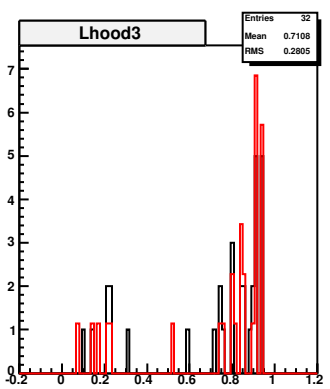


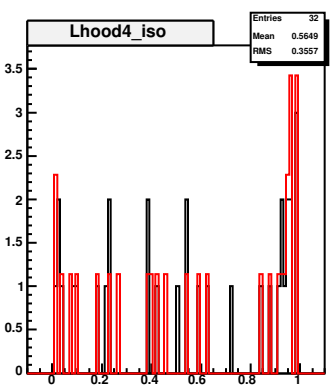


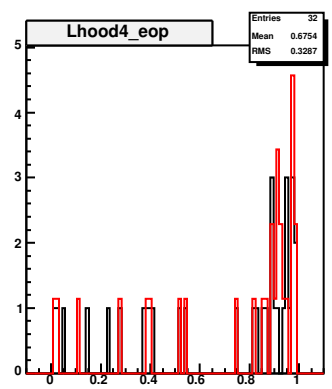


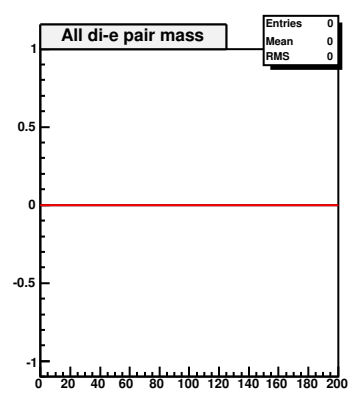


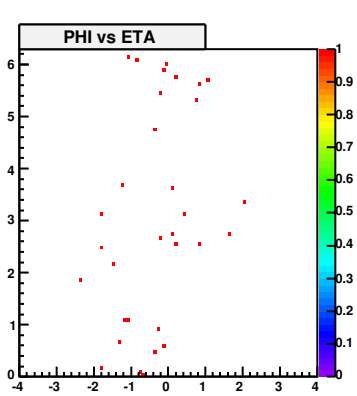


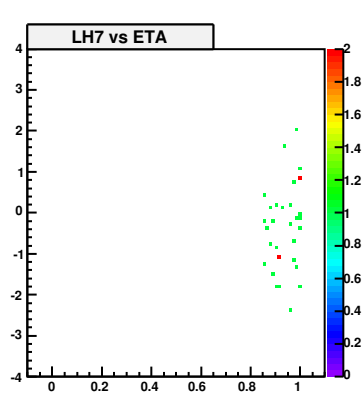


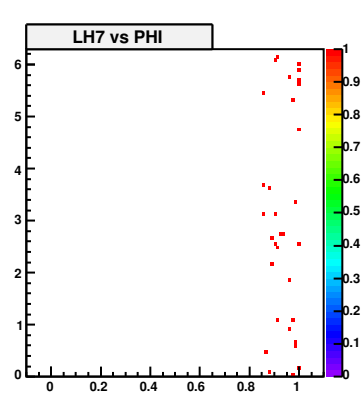




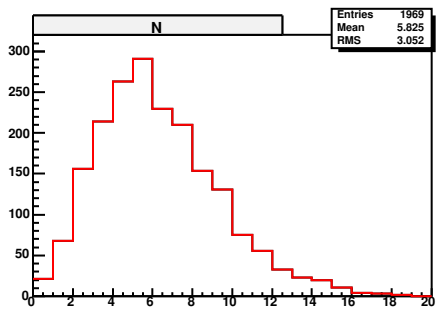


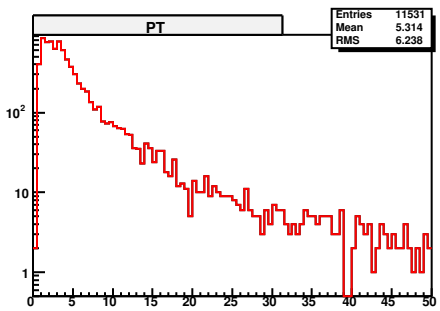


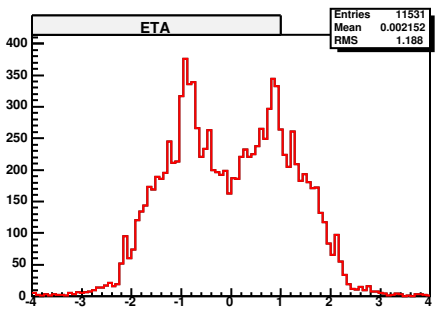


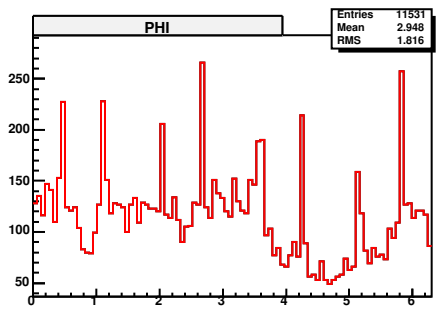


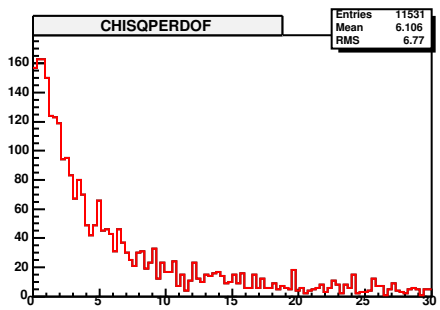
Electrons (SCONE Tight)

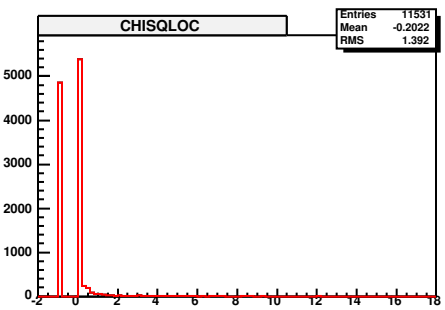

N
Entries 1969
Mean 5.825
RMS 3.052

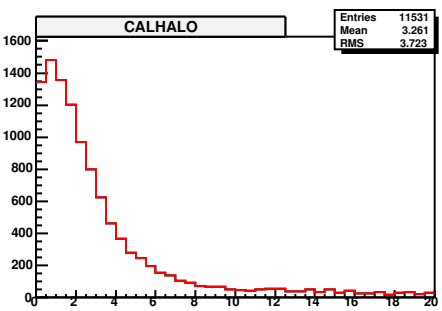

PT
Entries 11531
Mean 5.314
RMS 6.238

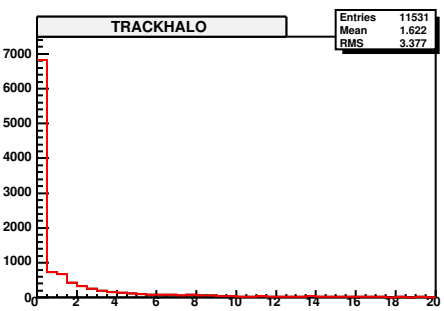

ETA
Entries 11531
Mean 0.002152
RMS 1.188

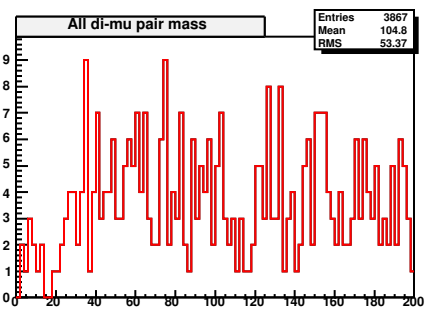

PHI
Entries 11531
Mean 2.948
RMS 1.816

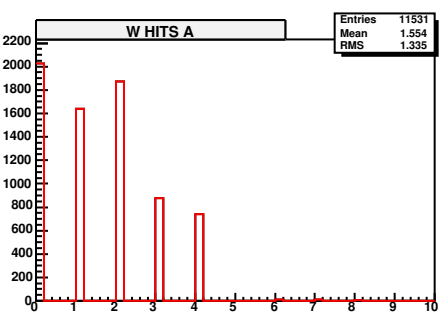

CHISQPERDOF
Entries 11531
Mean 6.106
RMS 6.77

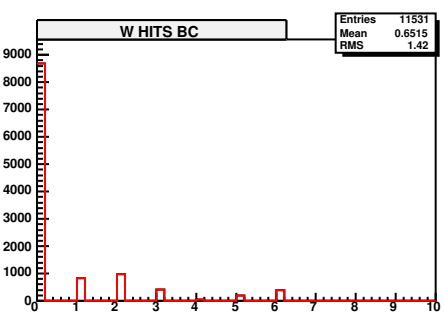

CHISQLOC
Entries 11531
Mean -0.2022
RMS 1.392

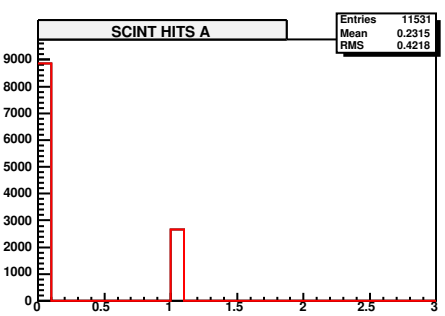

CALHALO
Entries 11531
Mean 3.261
RMS 3.723

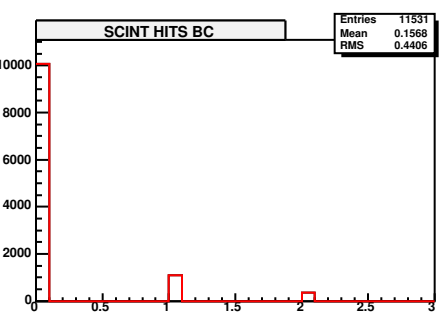

TRACKHALO
Entries 11531
Mean 1.622
RMS 3.377


All di-mu pair mass
Entries 3867
Mean 104.8
RMS 53.37

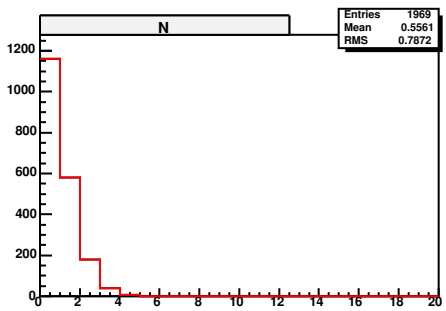

W HITS A
Entries 11531
Mean 1.554
RMS 1.335

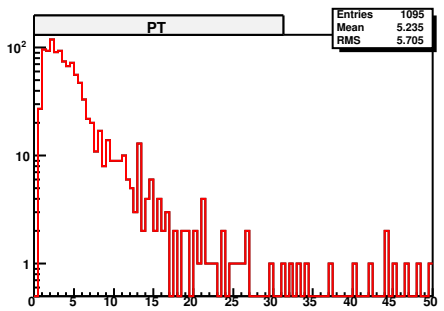

W HITS BC
Entries 11531
Mean 0.6515
RMS 1.42

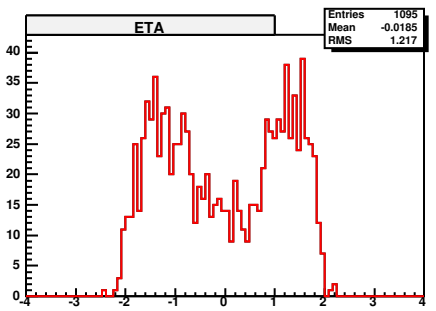

SCINT HITS A
Entries 11531
Mean 0.2315
RMS 0.4218

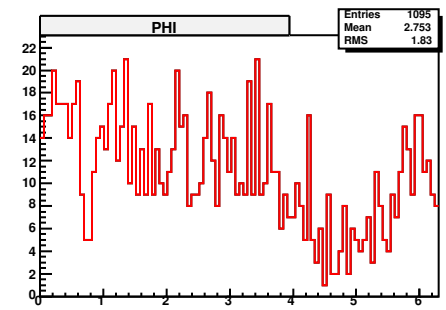

SCINT HITS BC
Entries 11531
Mean 0.1568
RMS 0.4406

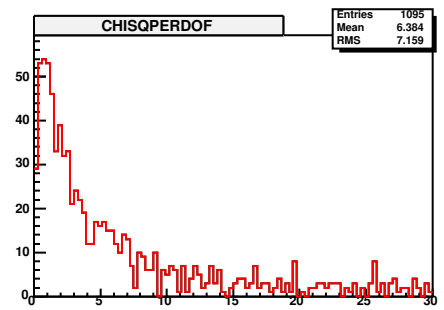
Muons (All)

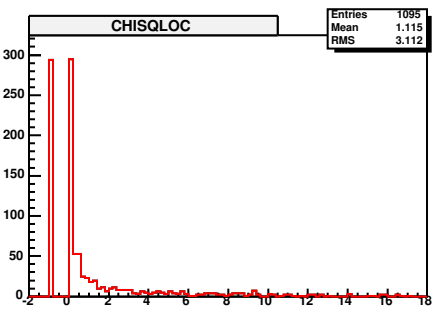


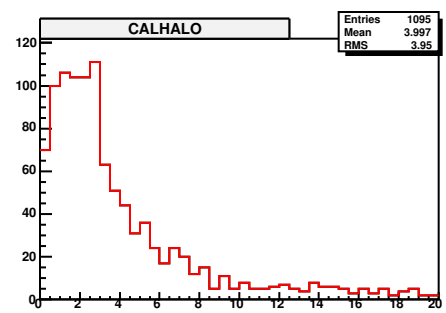


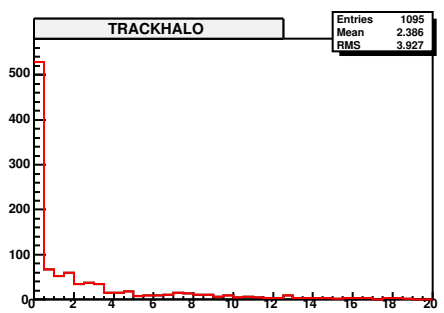


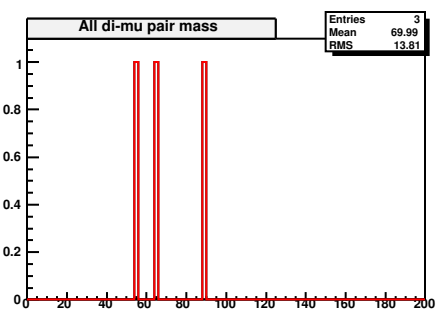


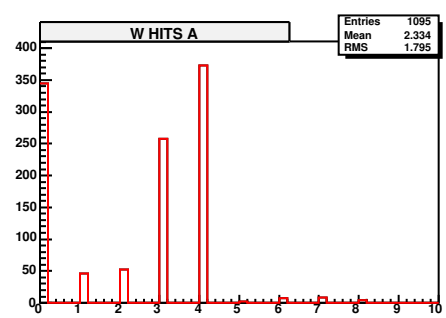


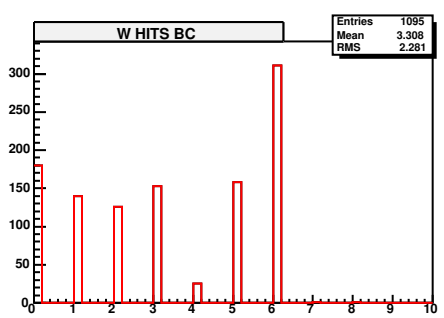


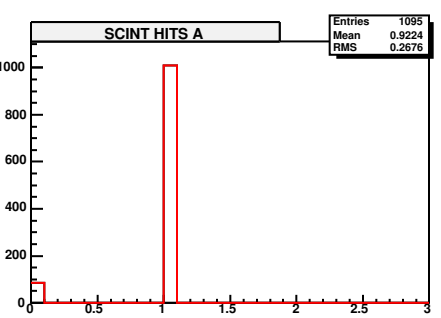


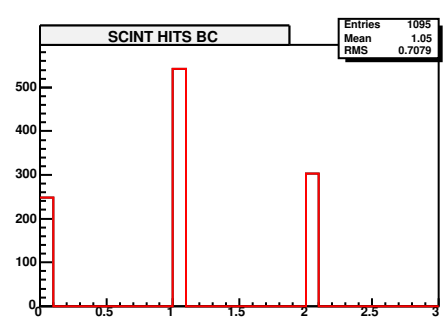




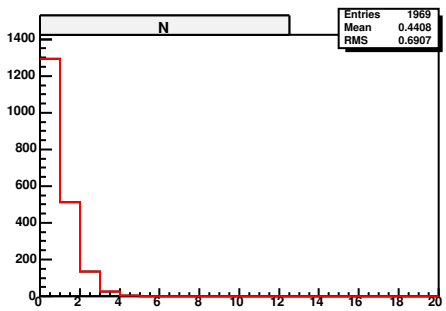


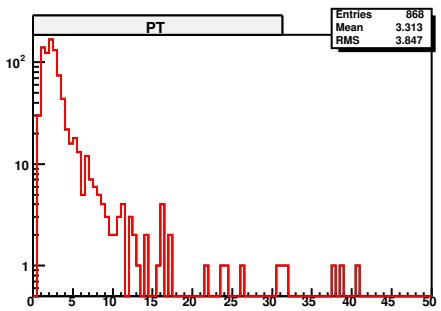


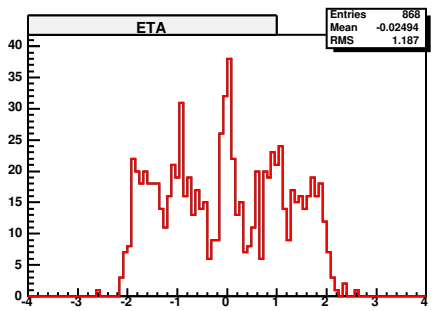


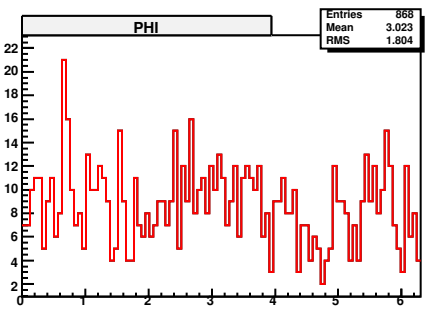


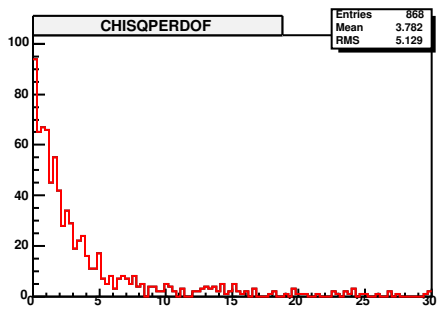
Muons (Matched)

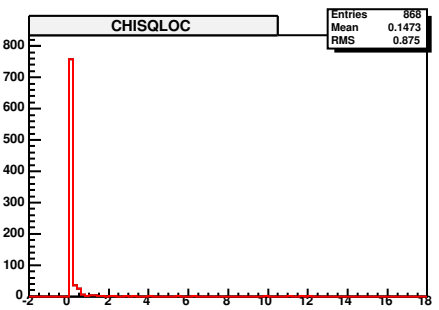

N
Entries 1969
Mean 0.4408
RMS 0.6907

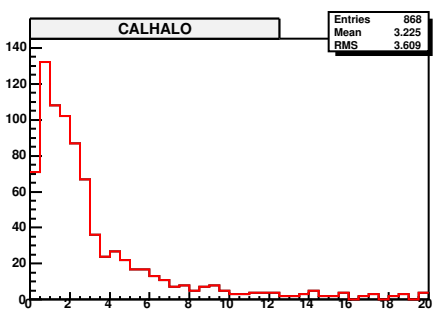

PT
Entries 868
Mean 3.313
RMS 3.847

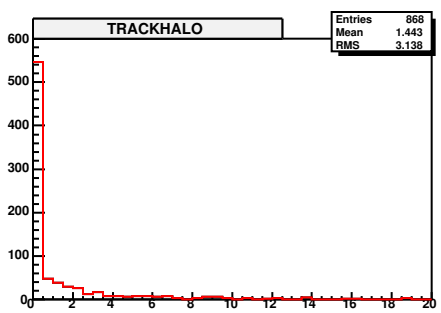

ETA
Entries 868
Mean -0.02494
RMS 1.187

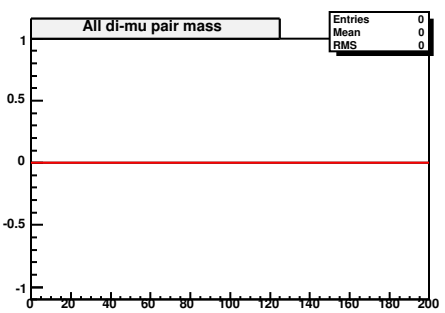

PHI
Entries 868
Mean 3.023
RMS 1.804

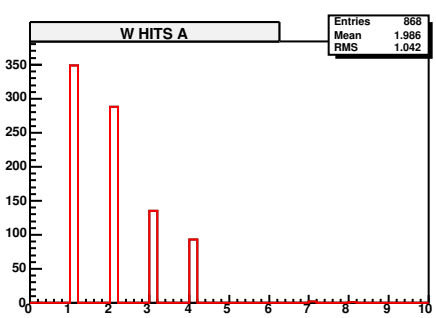

CHISQPERDOF
Entries 868
Mean 3.782
RMS 5.129

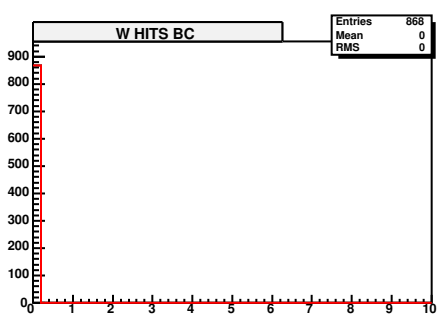

CHISQLOC
Entries 868
Mean 0.1473
RMS 0.875

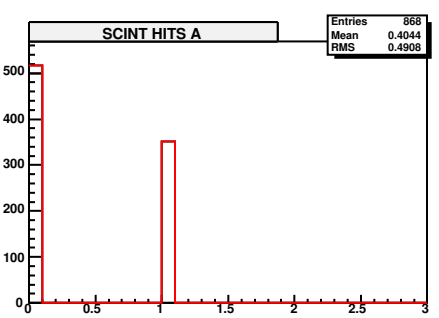

CALHALO
Entries 868
Mean 3.225
RMS 3.609

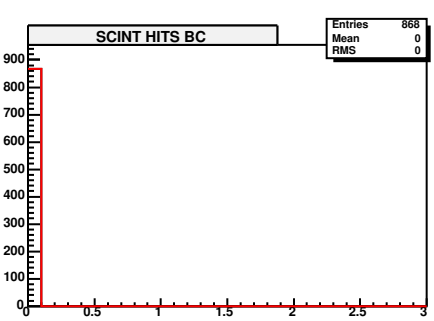

TRACKHALO
Entries 868
Mean 1.443
RMS 3.138


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

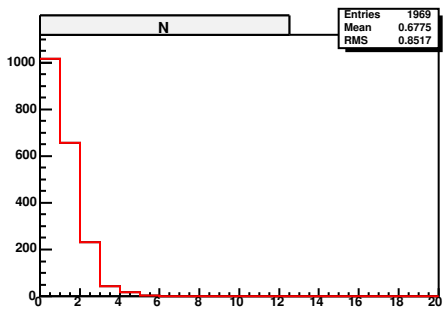

W HITS A
Entries 868
Mean 1.986
RMS 1.042

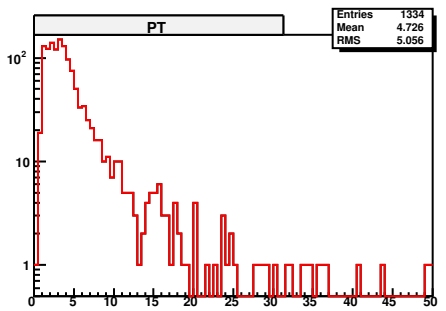

W HITS BC
Entries 868
Mean 0
RMS 0

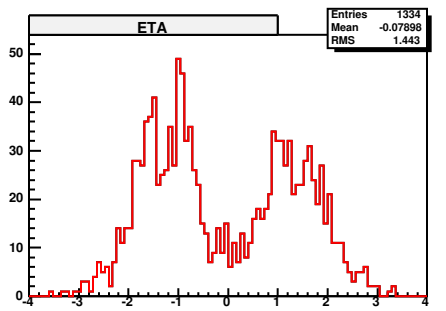

SCINT HITS A
Entries 868
Mean 0.4044
RMS 0.4908

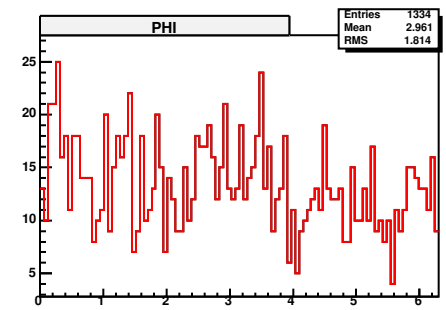

SCINT HITS BC
Entries 868
Mean 0
RMS 0

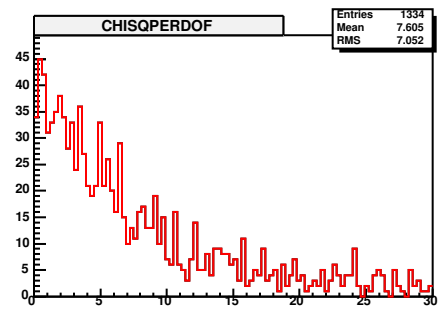
Muons (Astub)

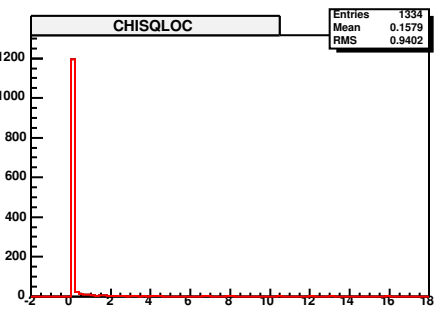


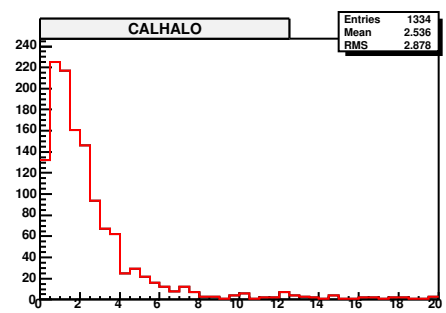


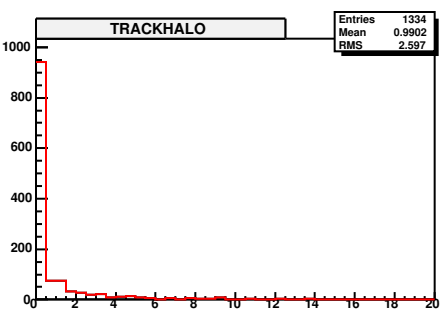


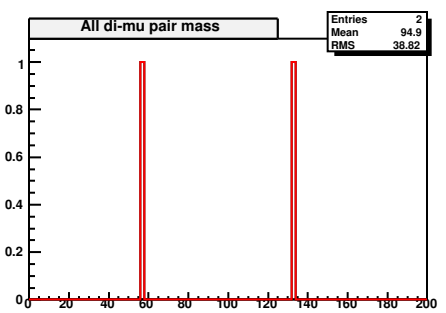


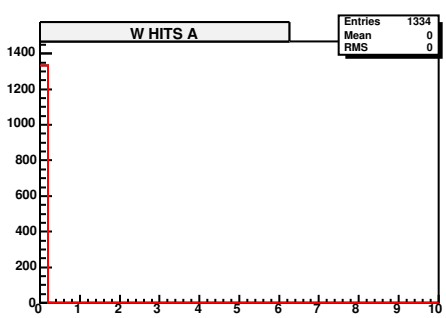


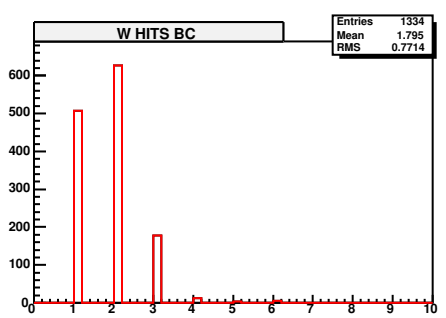


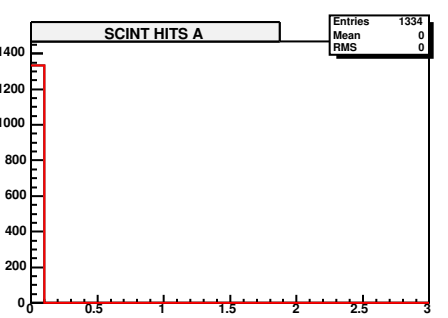


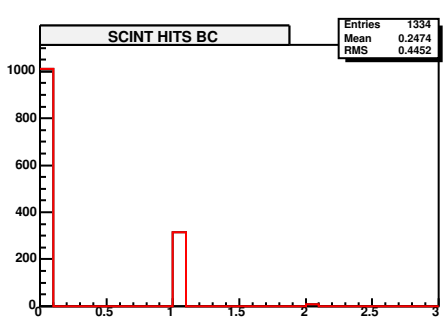




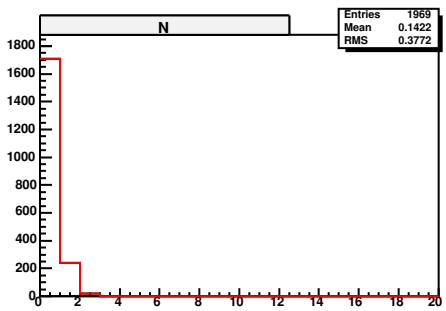


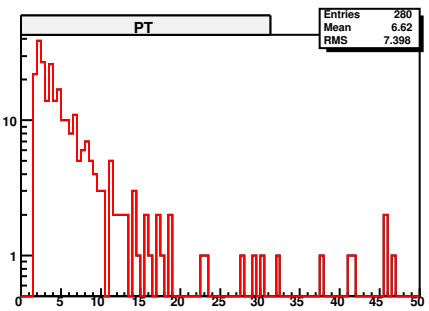


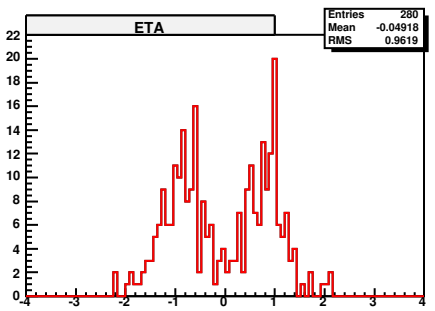


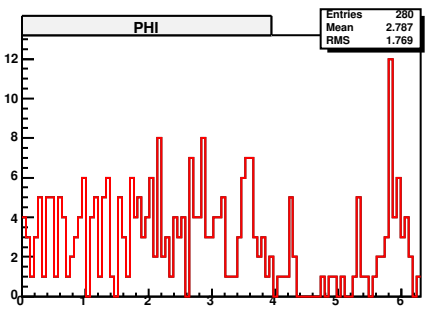


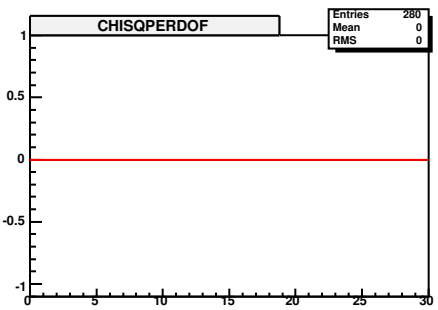
Muons (BCstub)

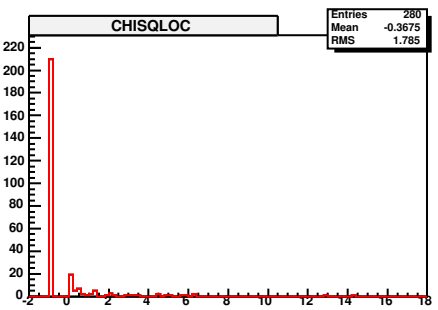


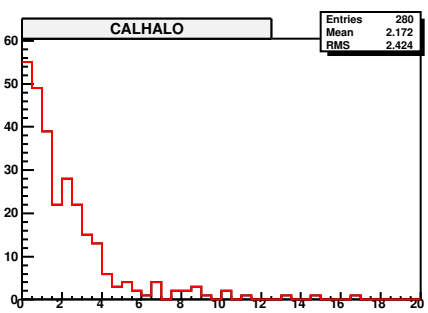


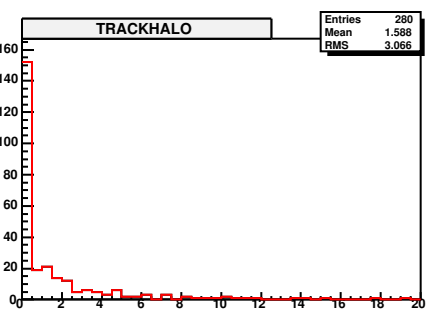


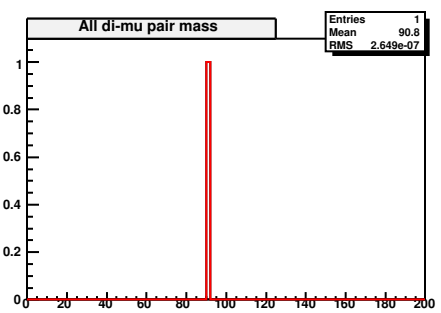


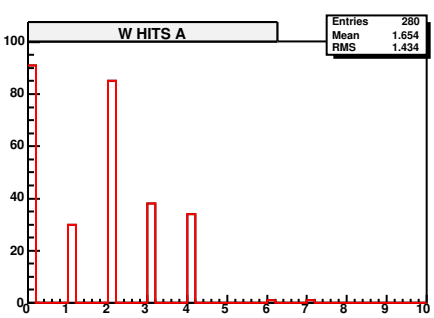


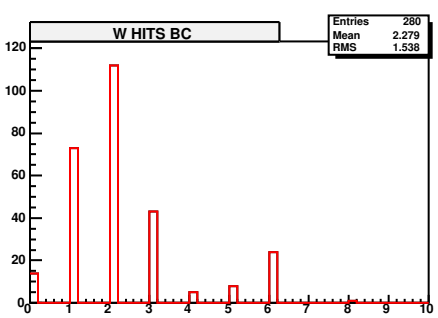


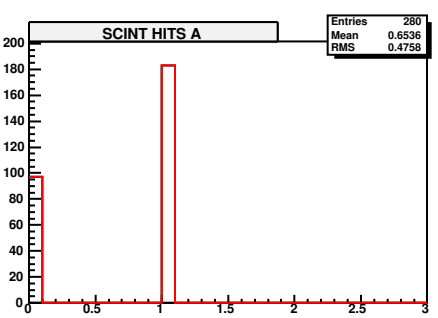


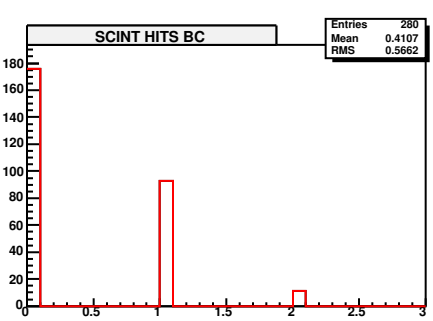




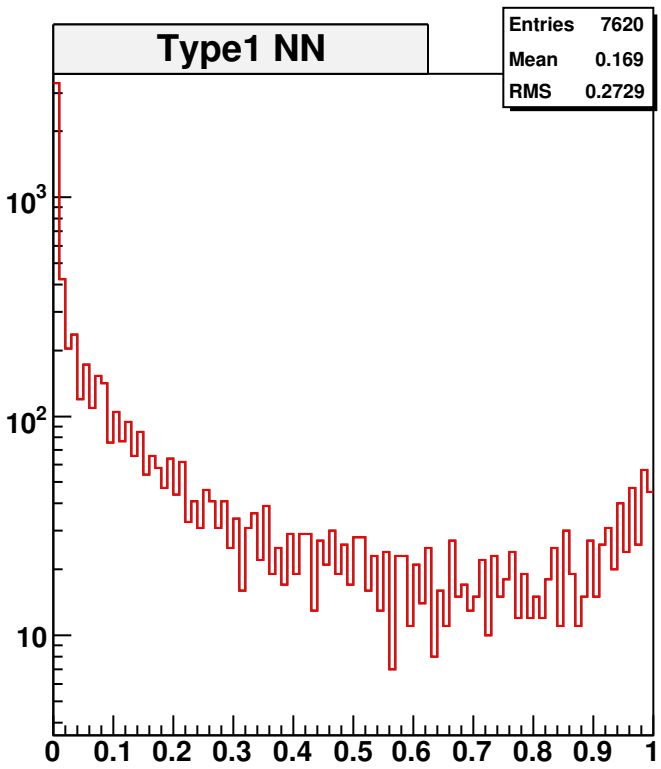


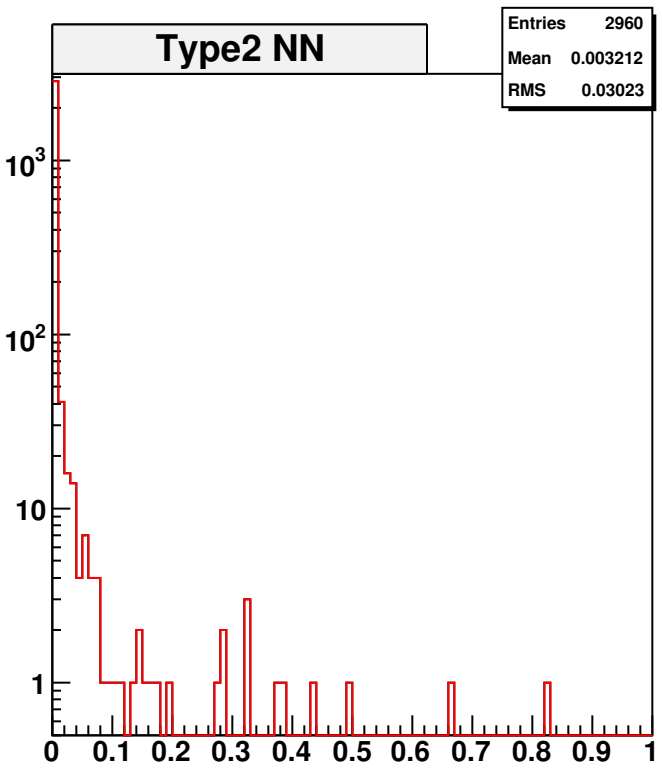


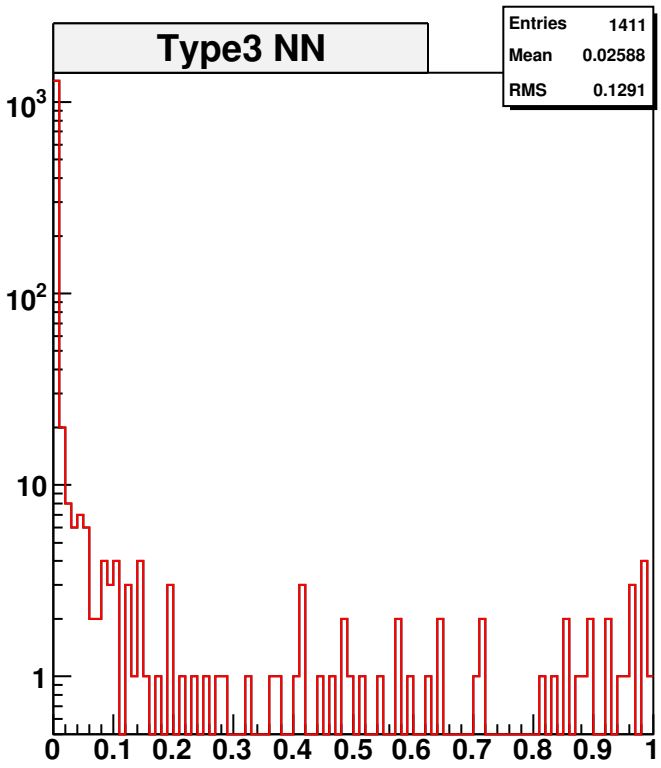


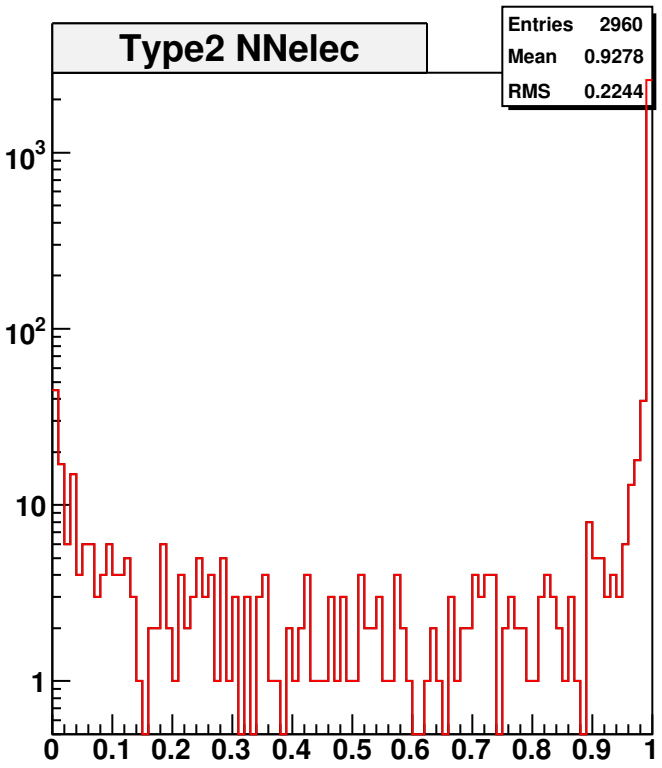


Muons (Unmatched)

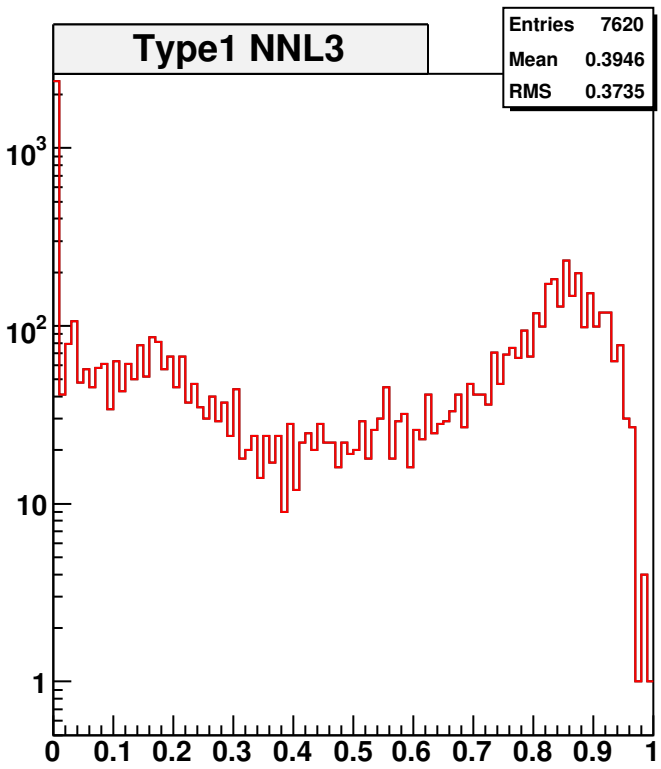


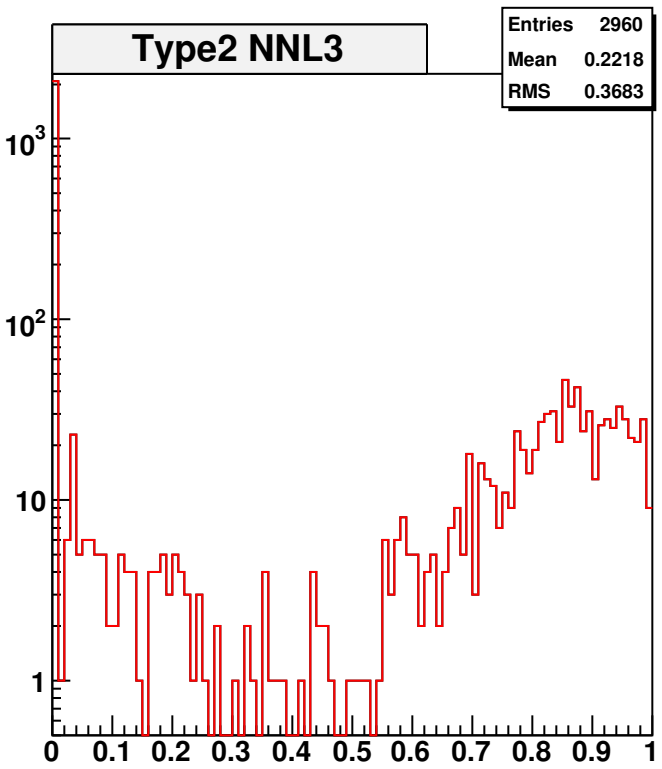


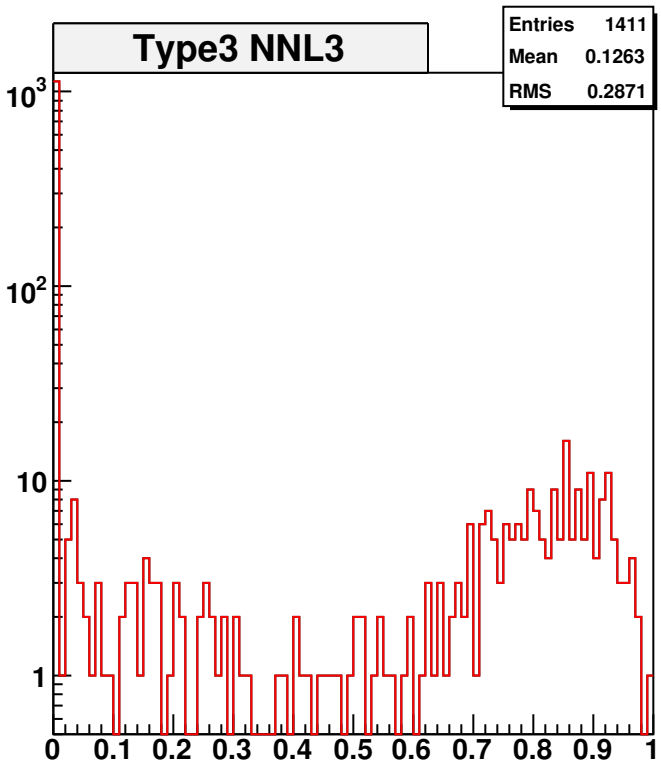


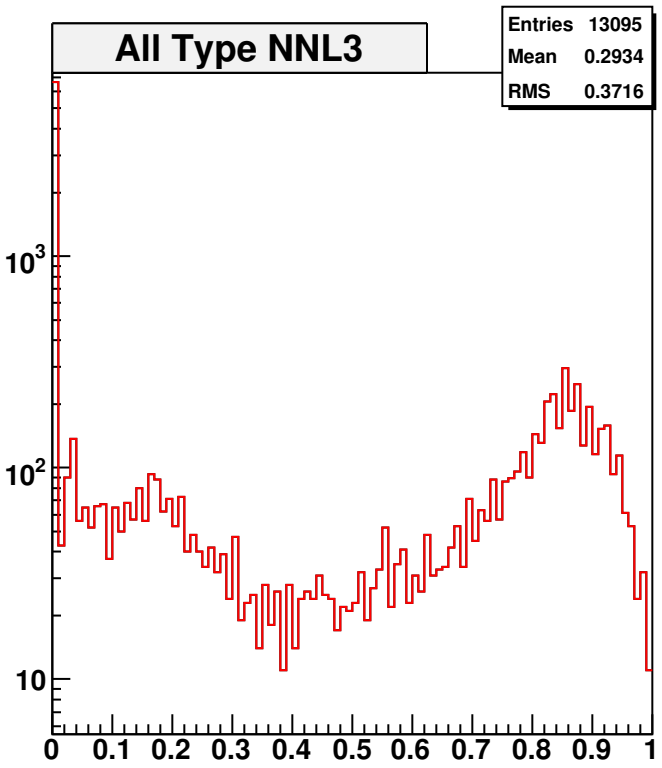


Taus NN (TAU All)

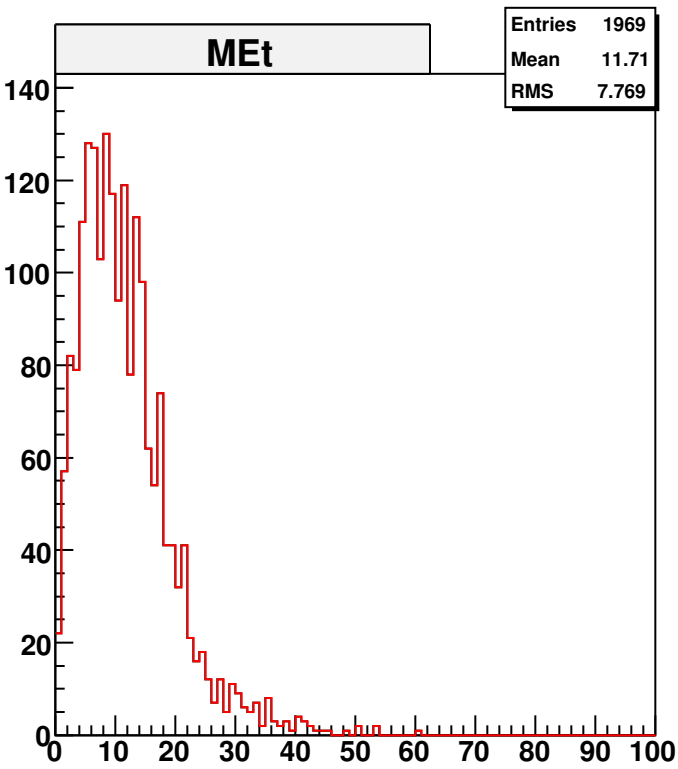








Taus NNL3 (TAU All)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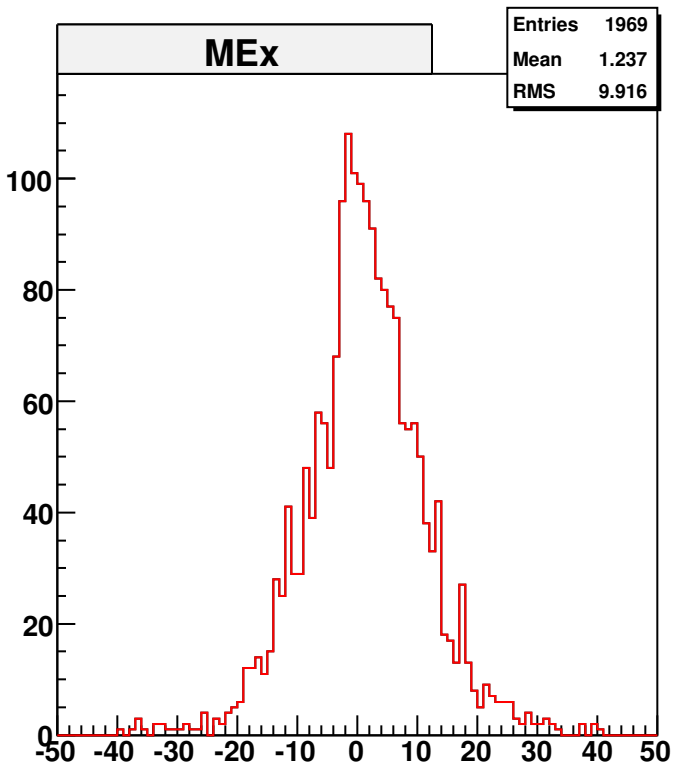
RMS 7.769
140
120
100
80
60
40
20
0
0 10 20 30 40 50 60 70 80 90 100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Mean 1.237
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80
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20
0
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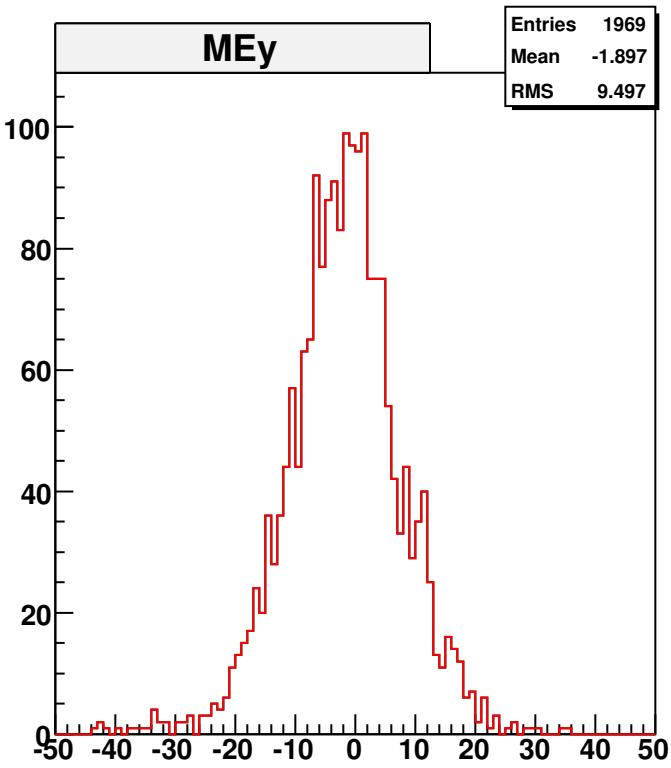
MEy
Entries 1969
Mean -1.897
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80
60
40
20
0
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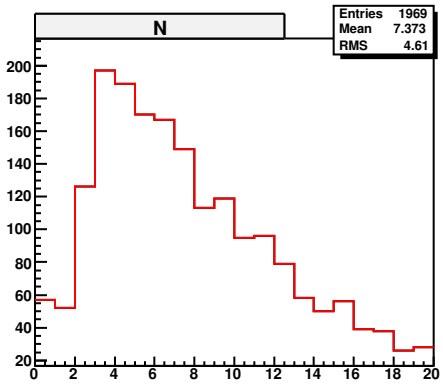
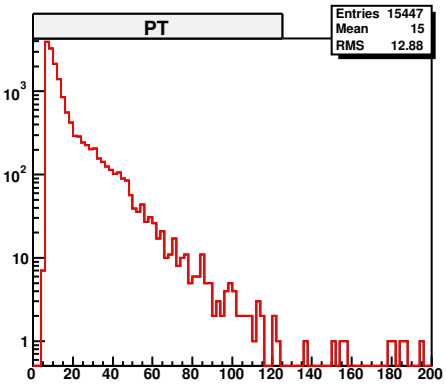
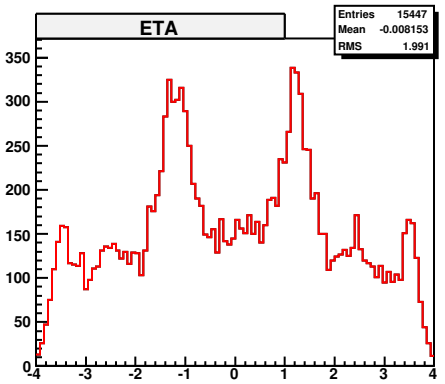
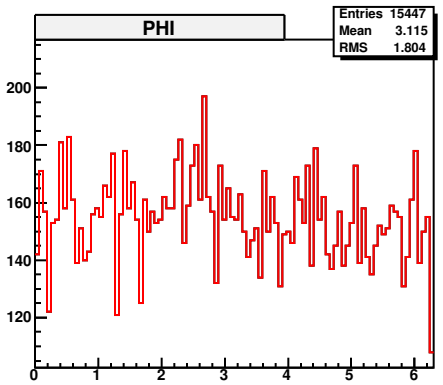
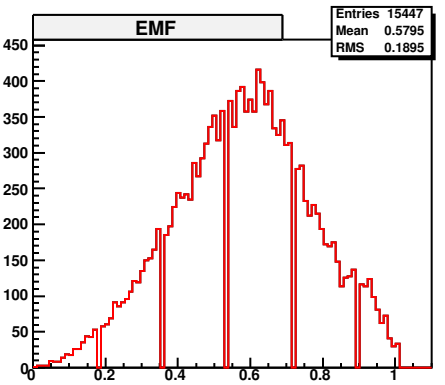
Met (No cuts)

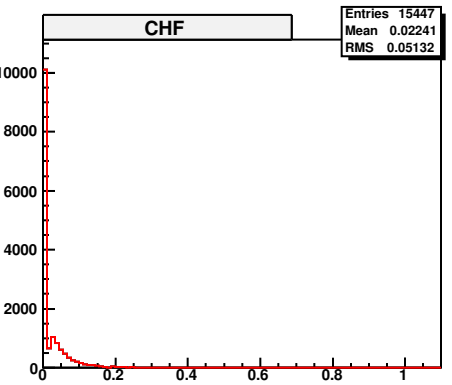


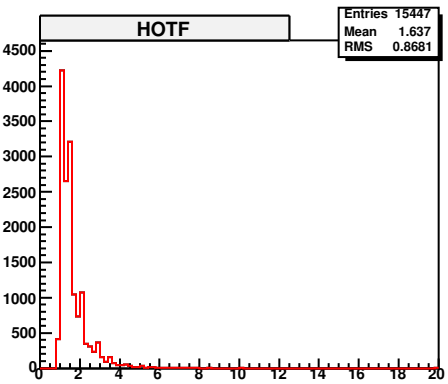


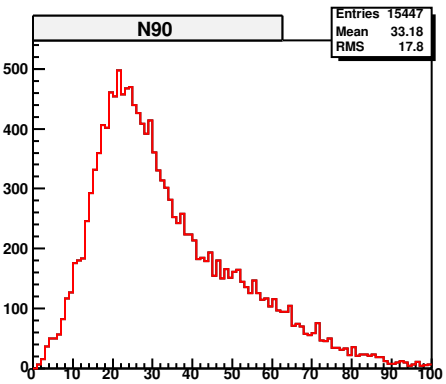


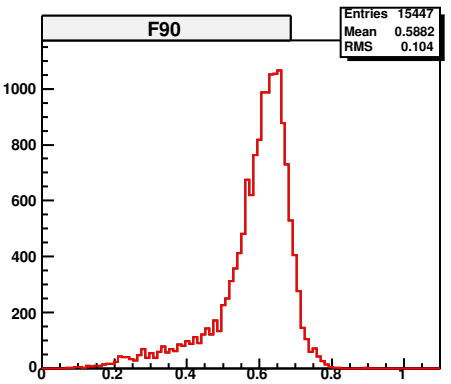


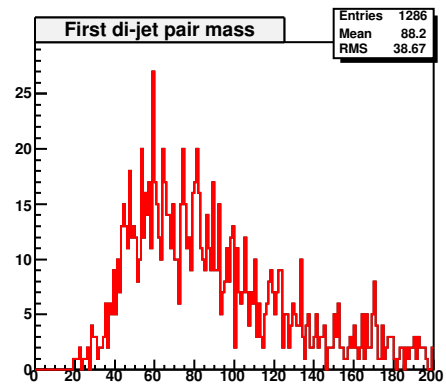


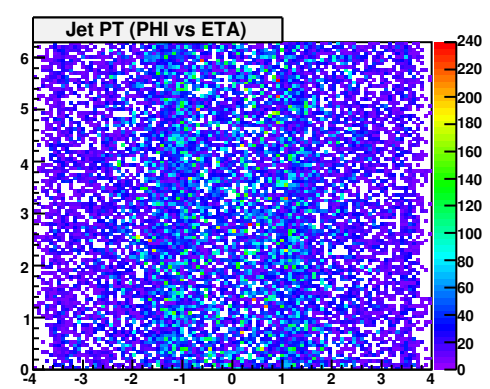




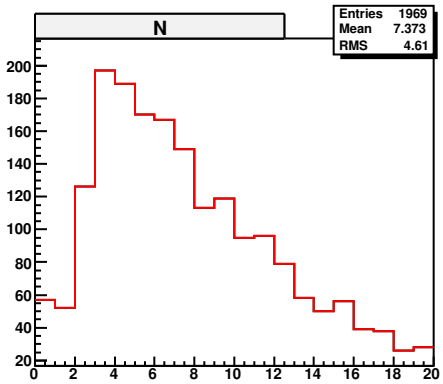


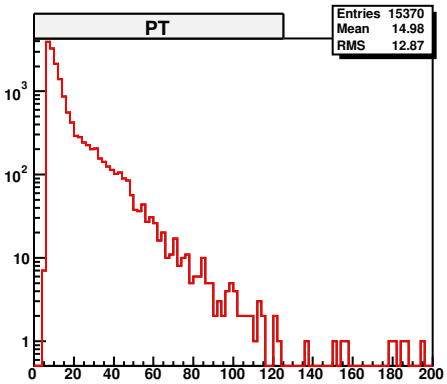


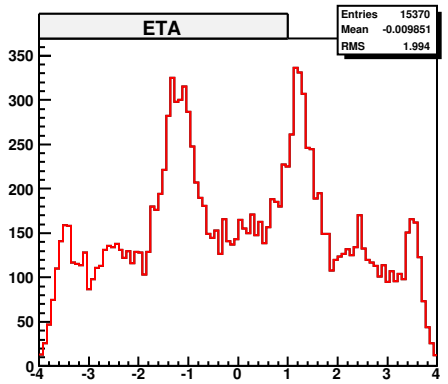


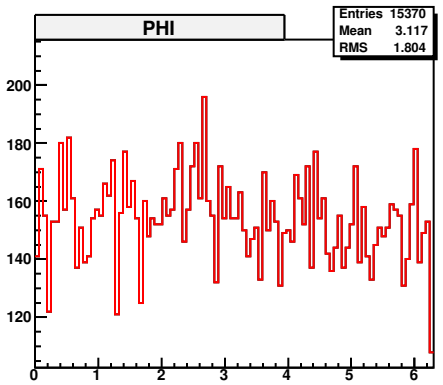


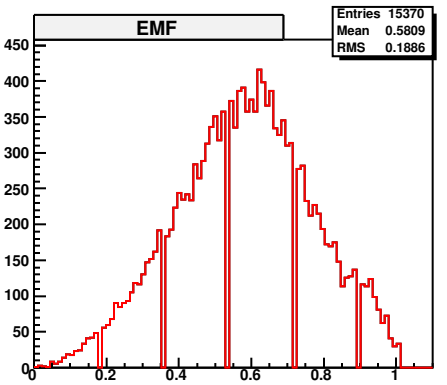
Jets (Cone R 0.7 (no cuts))

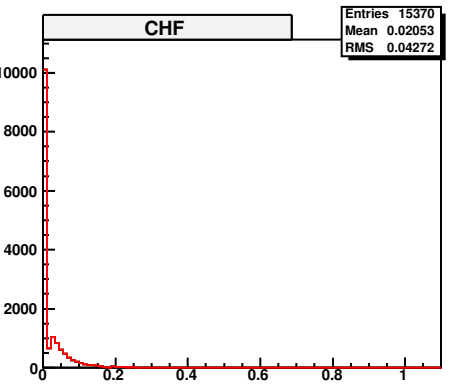


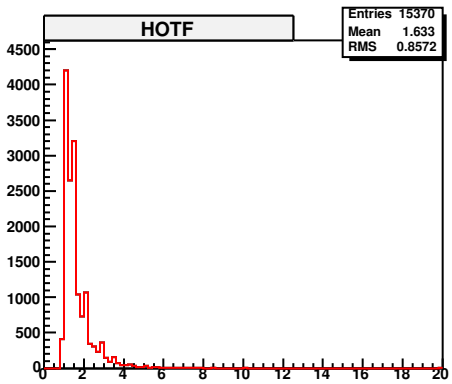


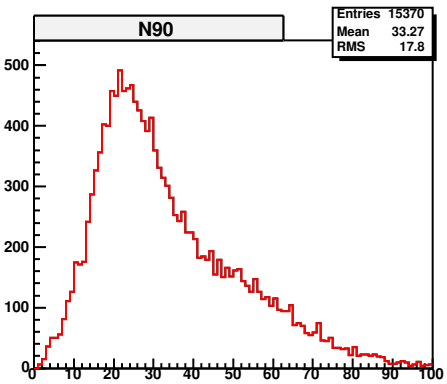


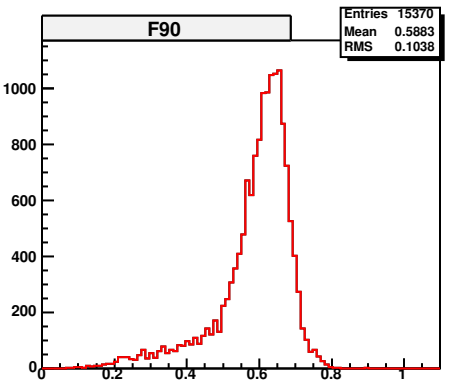


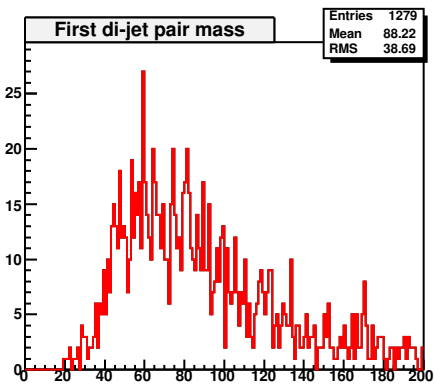


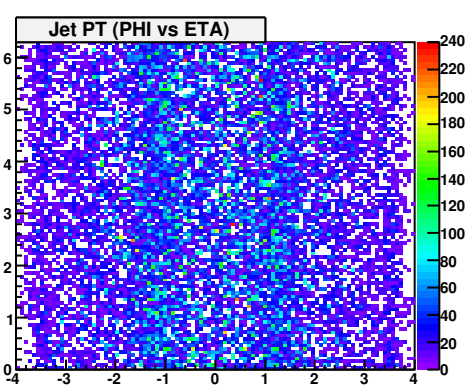




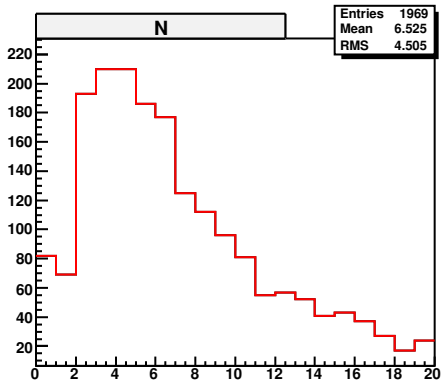


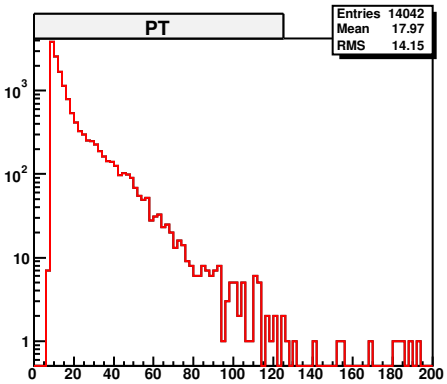


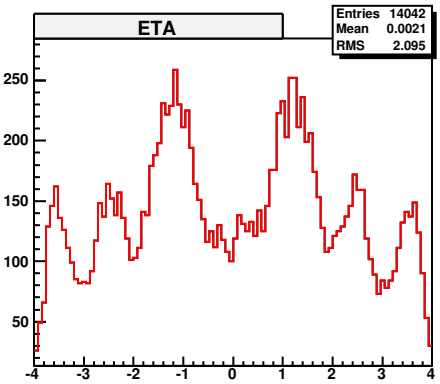


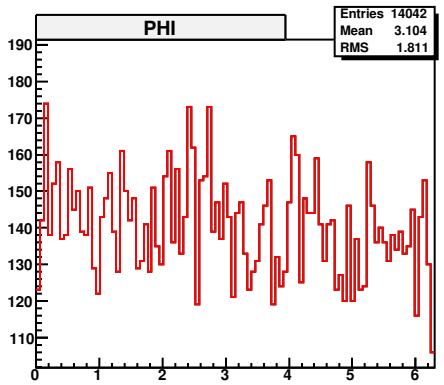


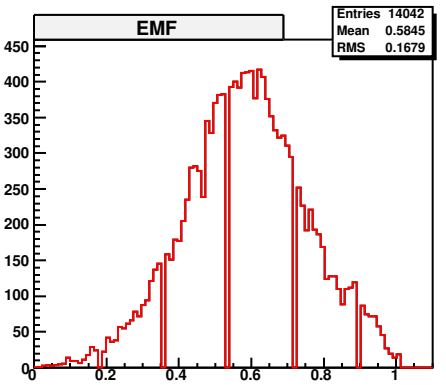
Jets (Cone R 0.7 (standard cuts))

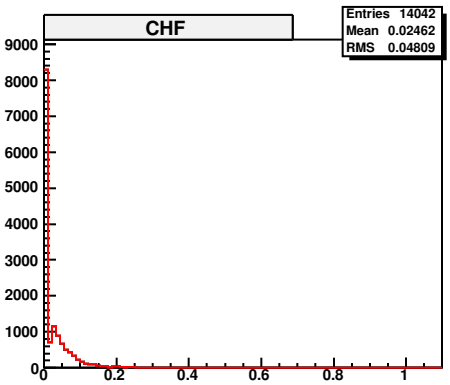


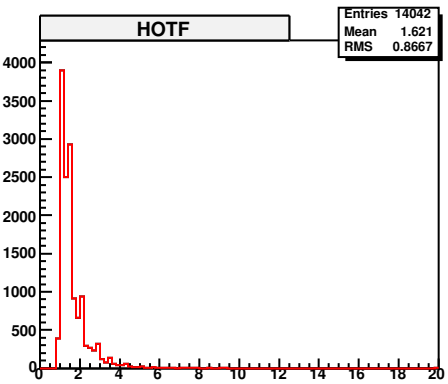


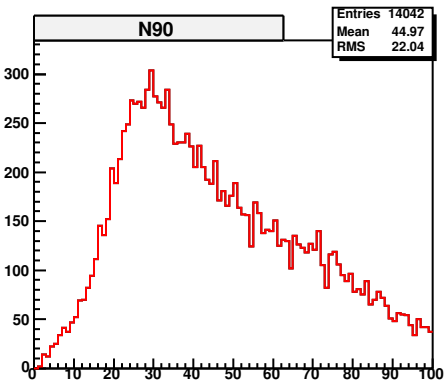


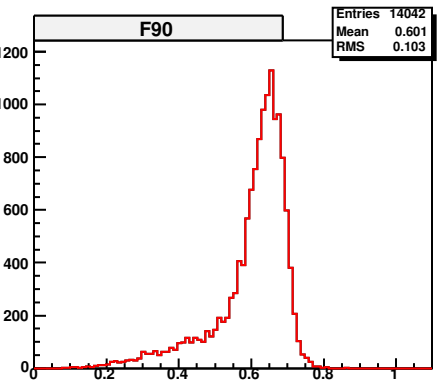


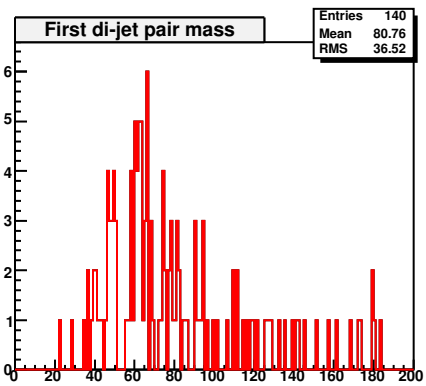


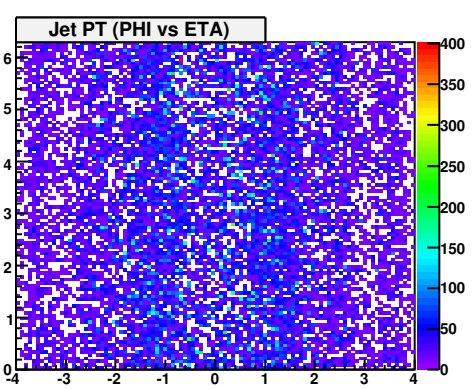




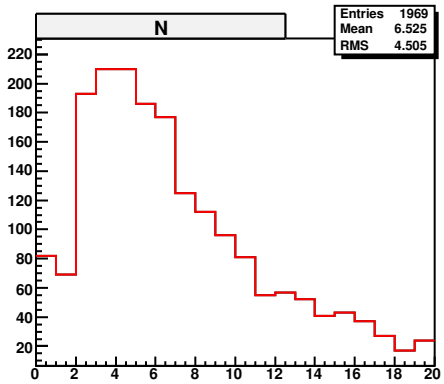


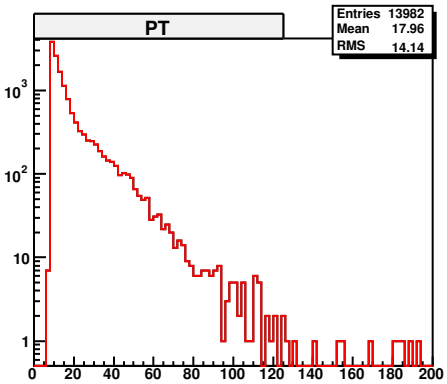


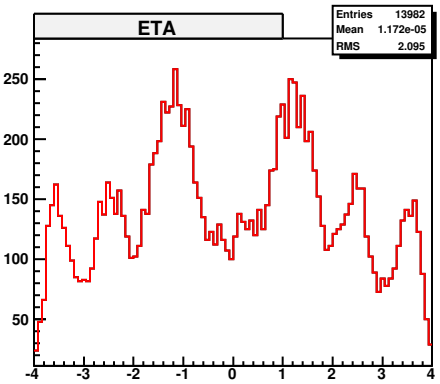


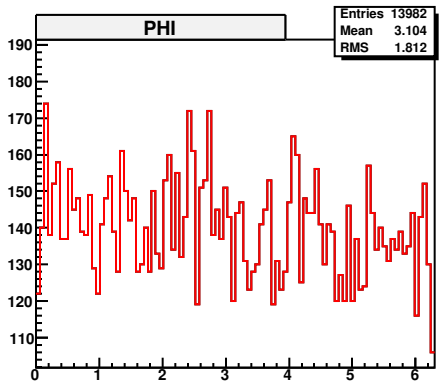


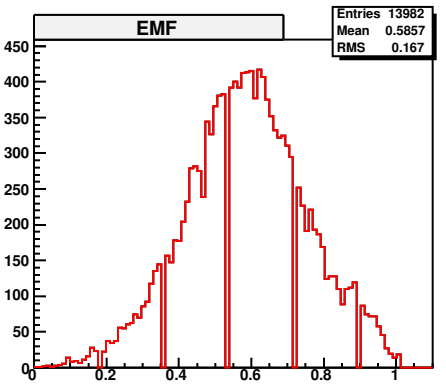
Jets (KT D 1 (no cuts))

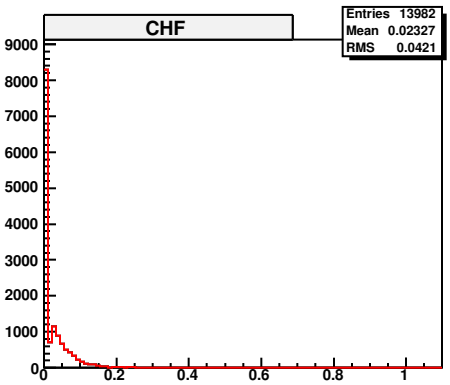


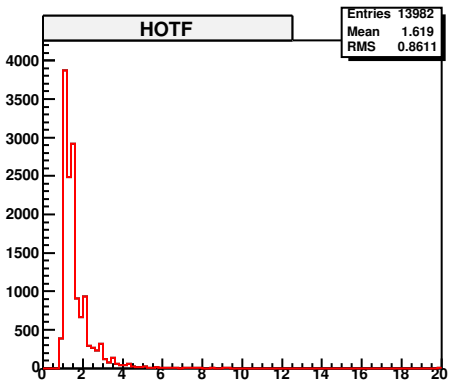


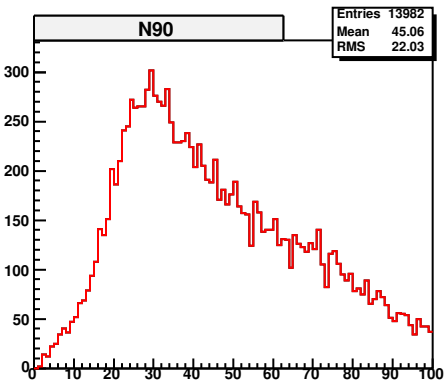


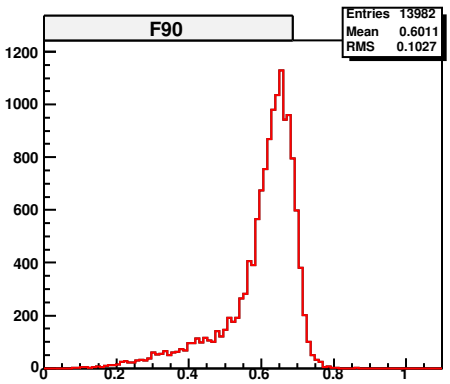


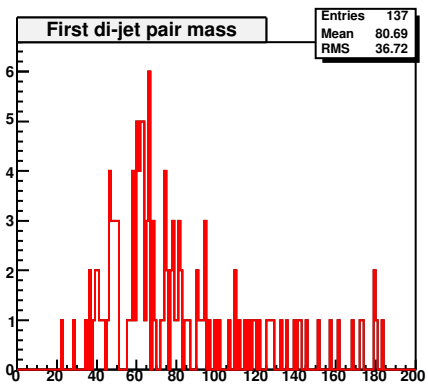


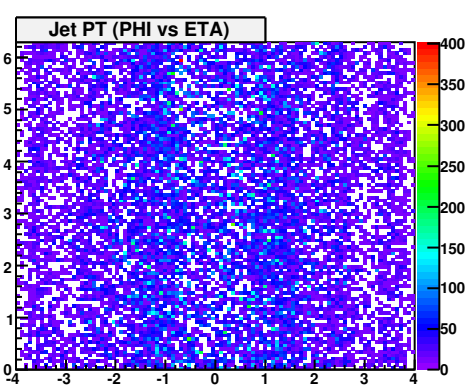




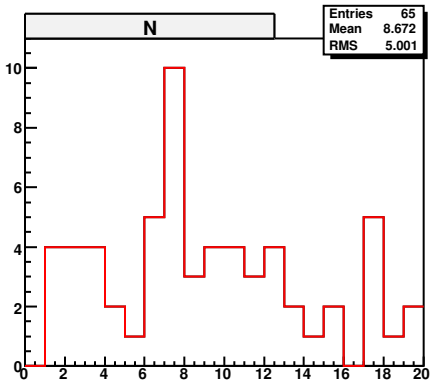


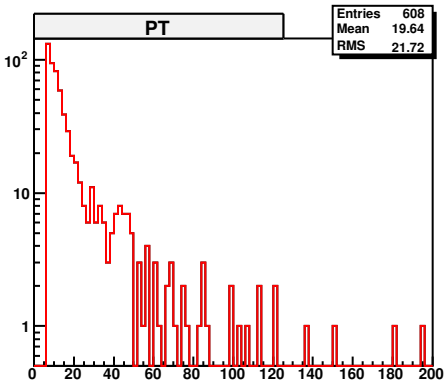


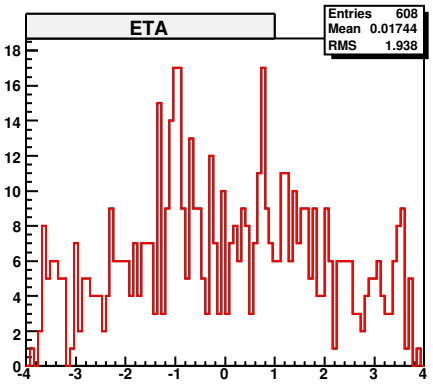


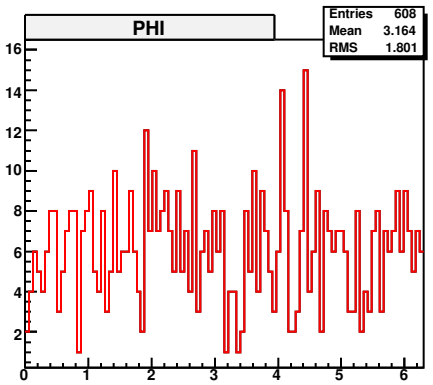


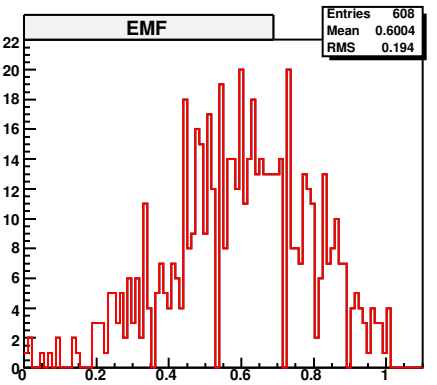
Jets (KT D 1 (standard cuts))

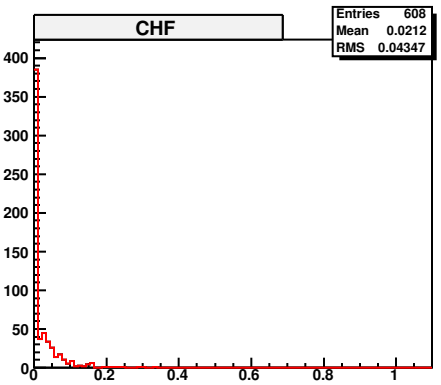


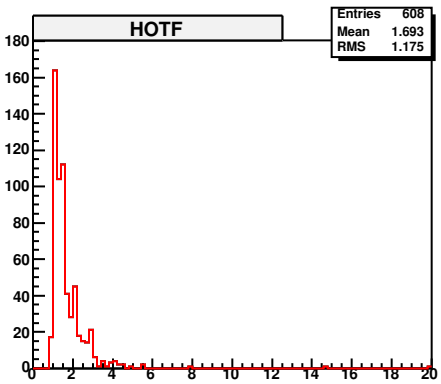


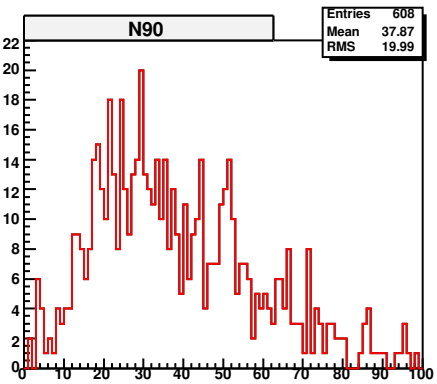


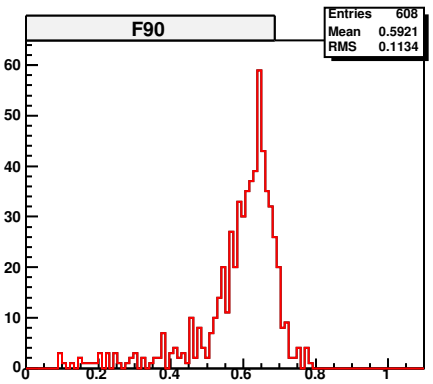


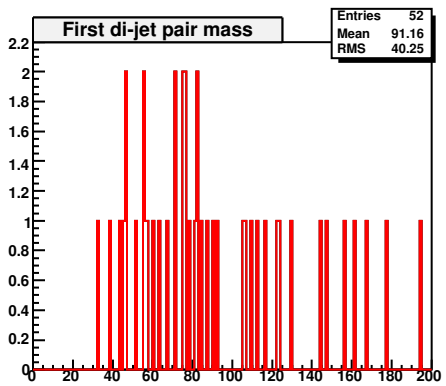


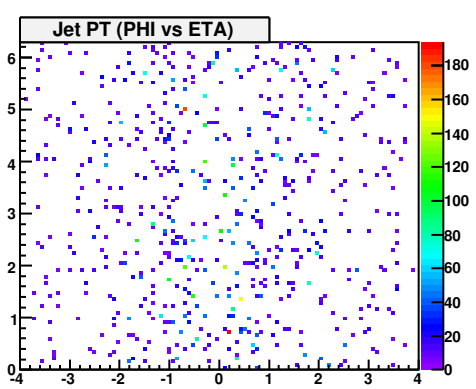




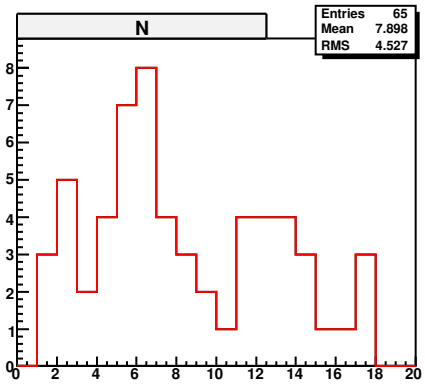


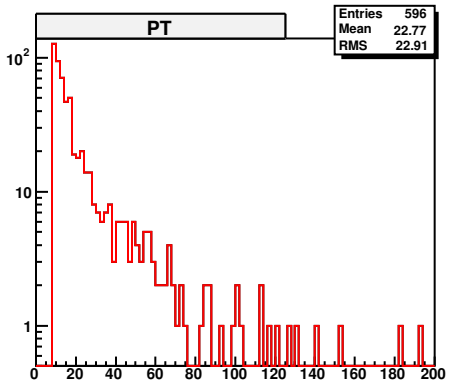


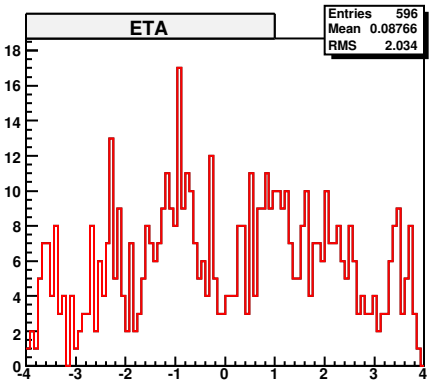


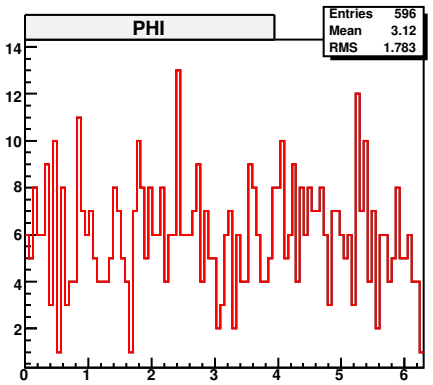


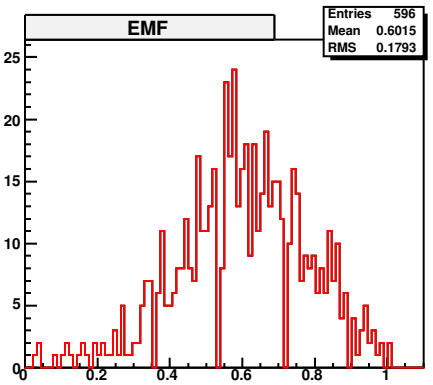
Jets (Cone R 0.7 (standard cuts, MET>30))

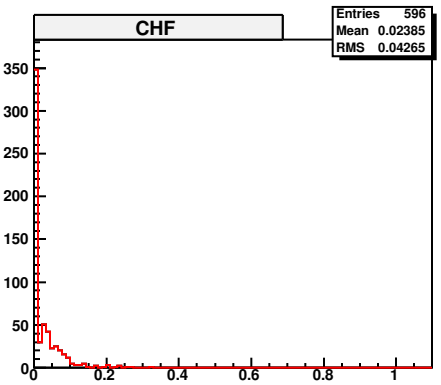


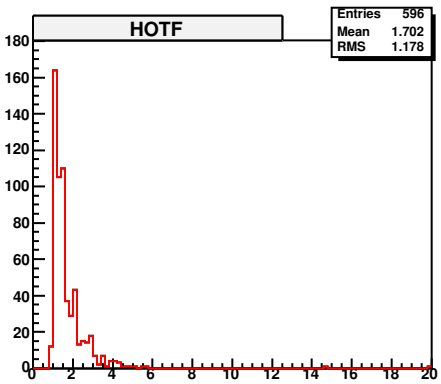


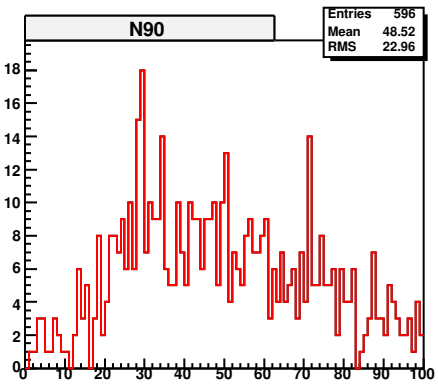


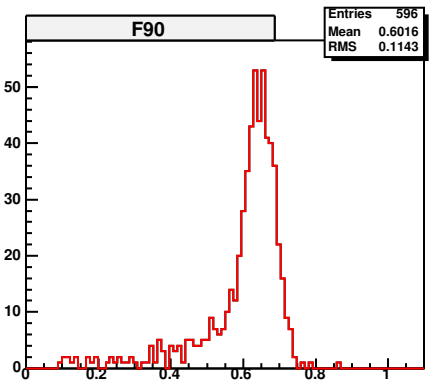


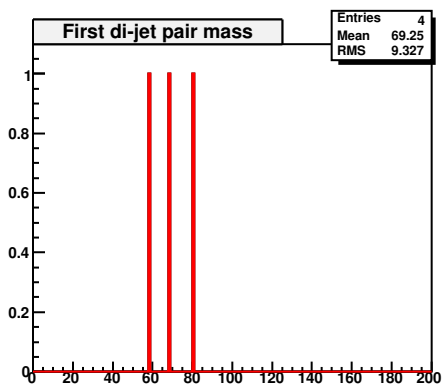


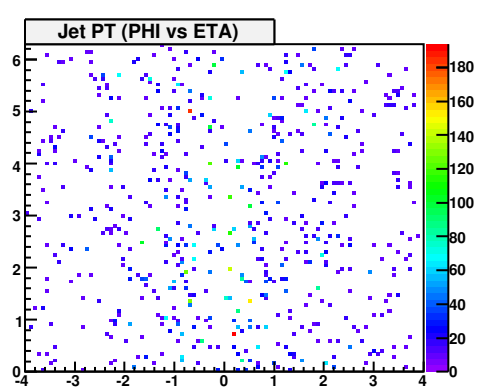




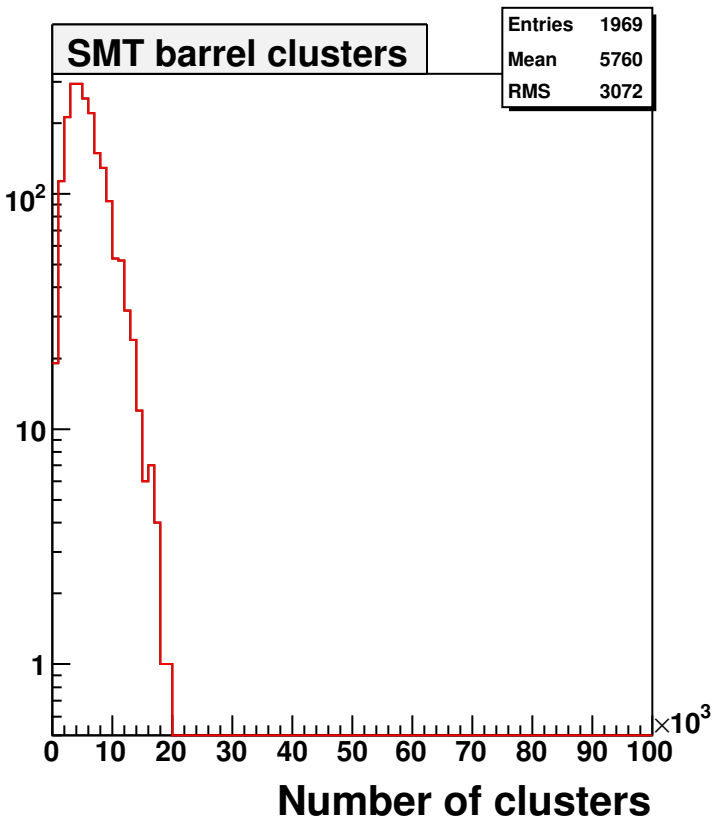


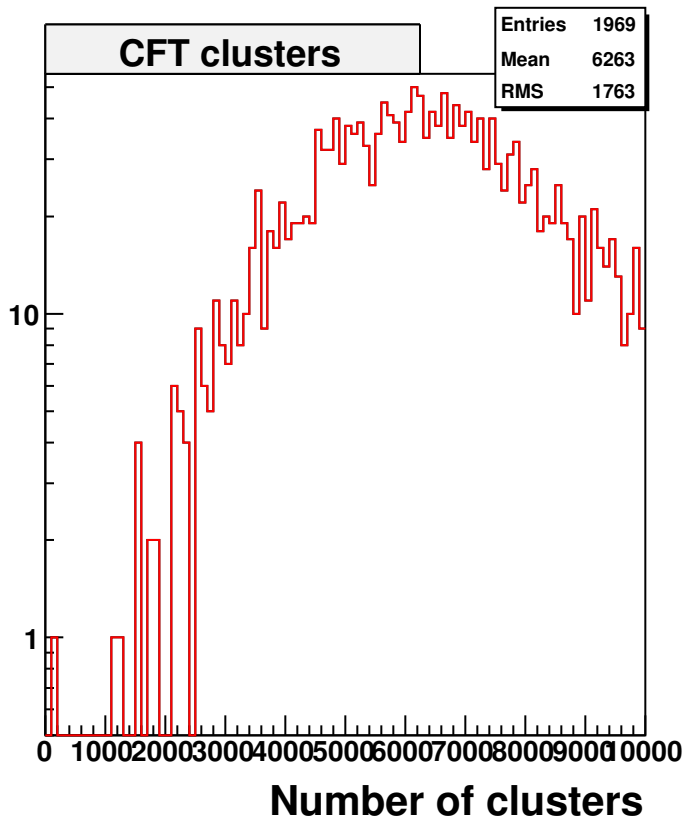


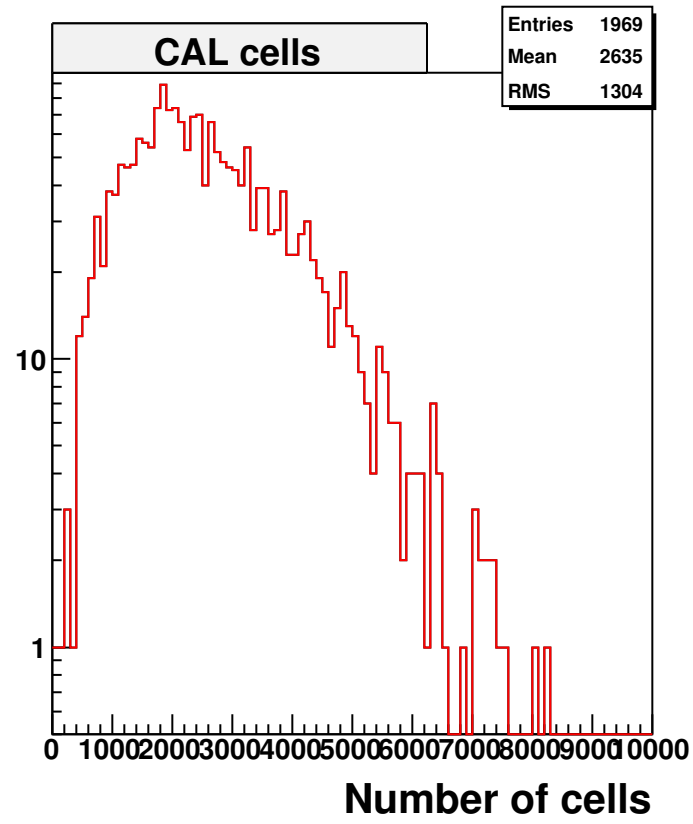


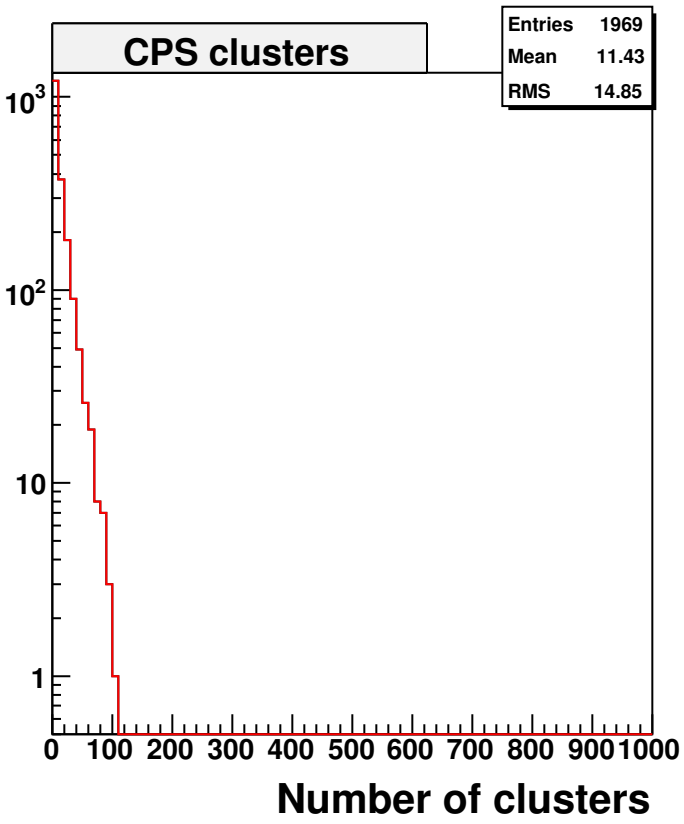


Jets (KT D 1 (standard cuts, MET>30))

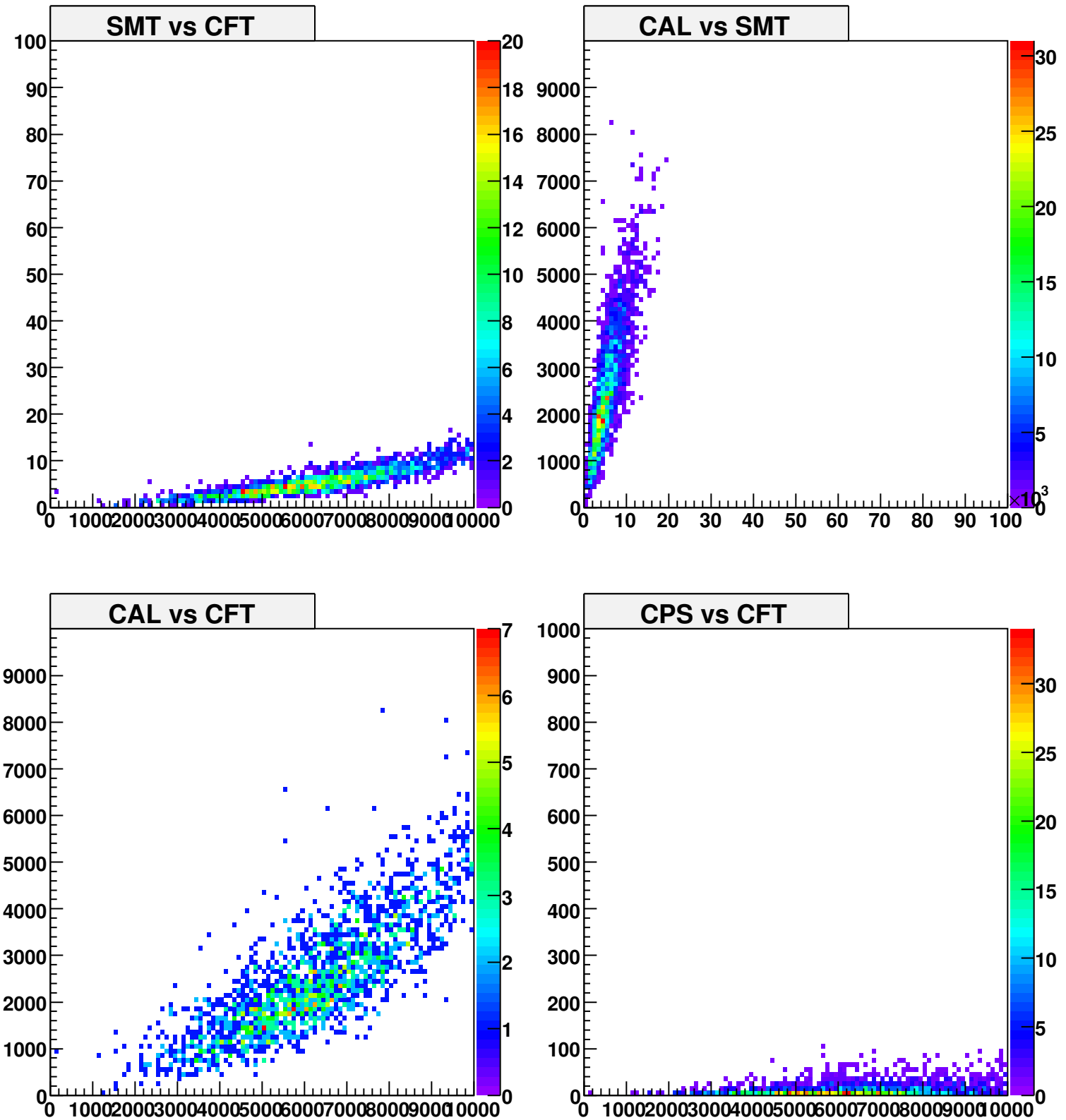


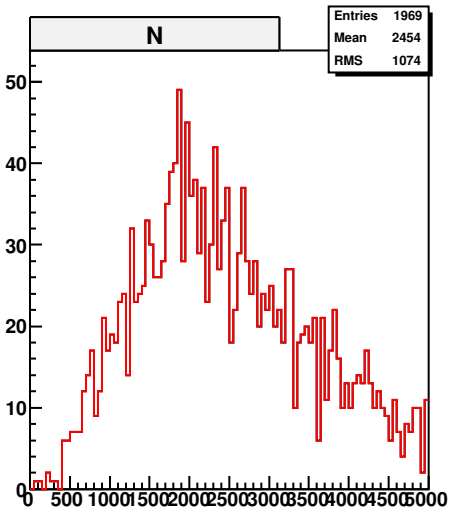


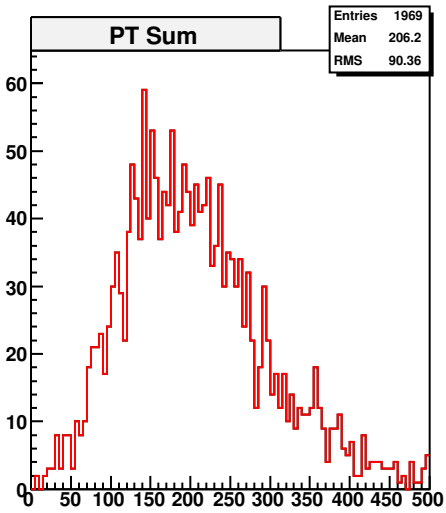


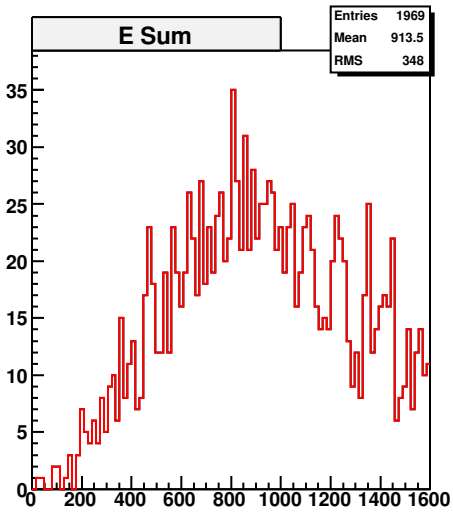


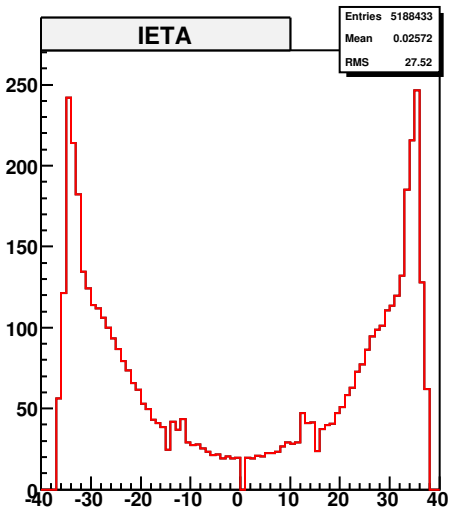
Detector Occupancy (Detector)

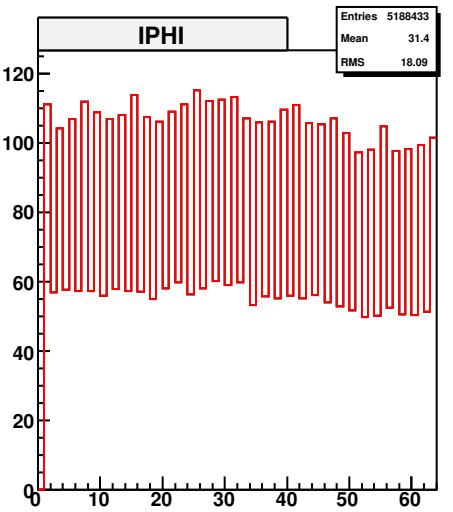

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

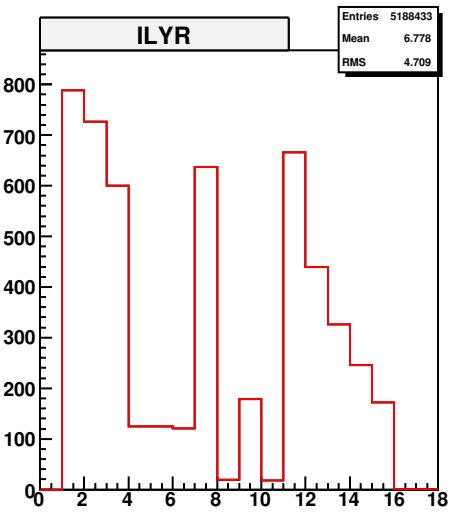


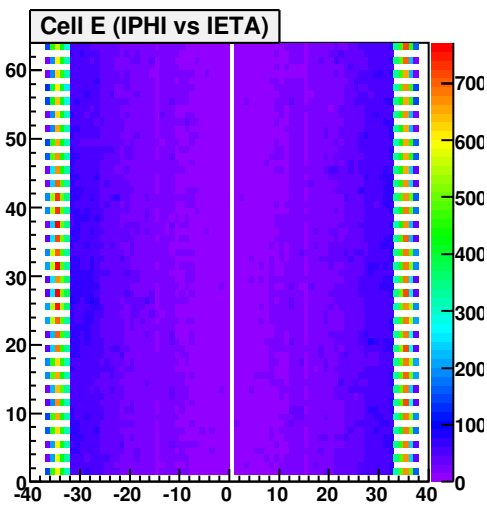


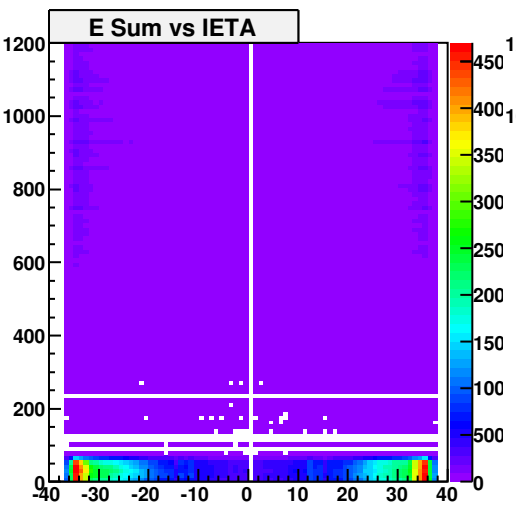


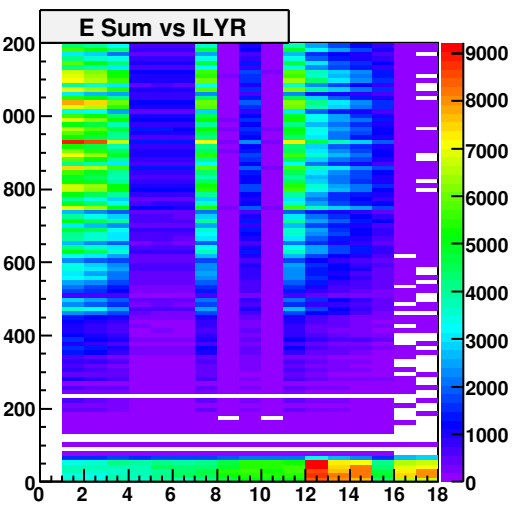




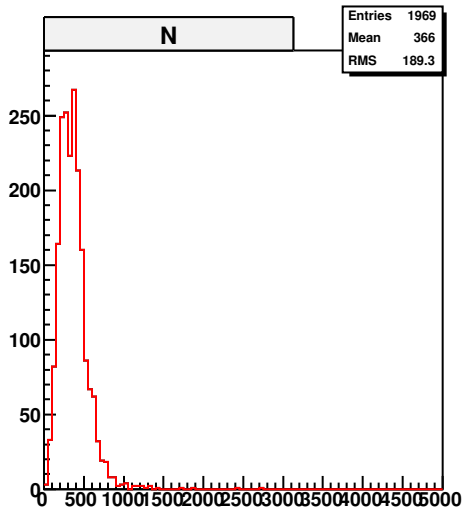


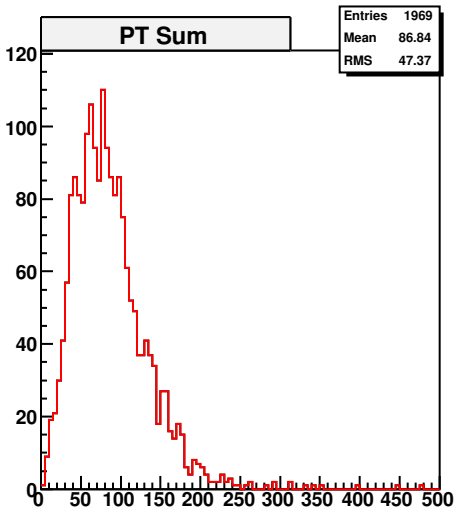


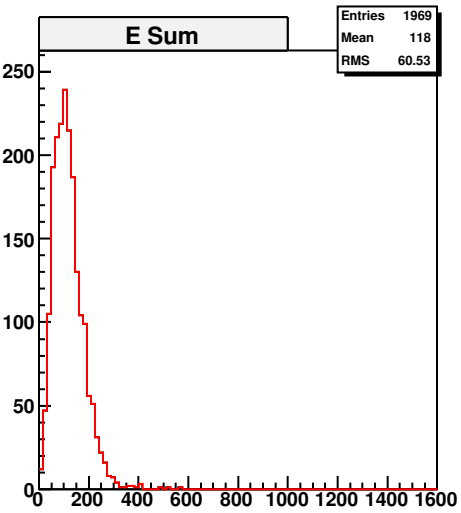


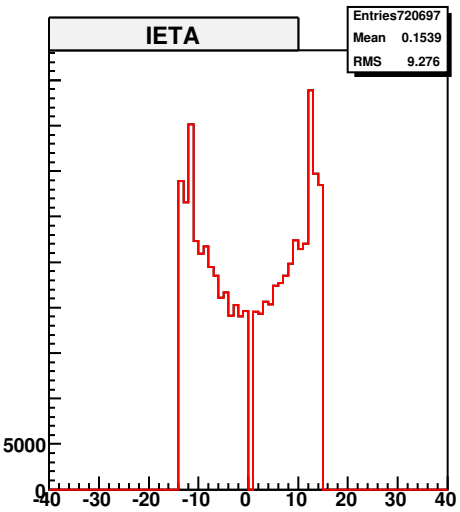


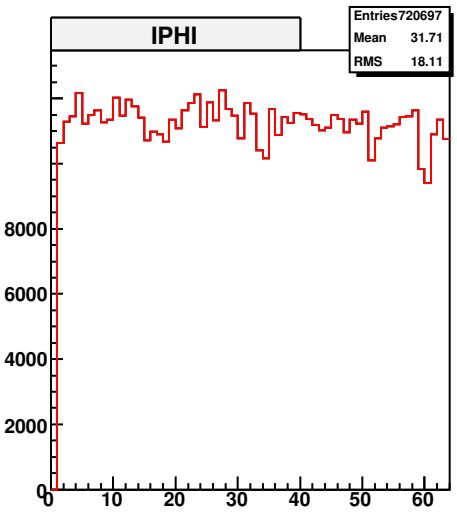
Calorimeter (All cells)

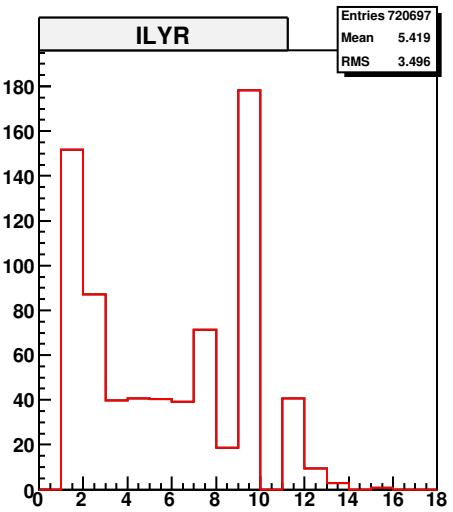


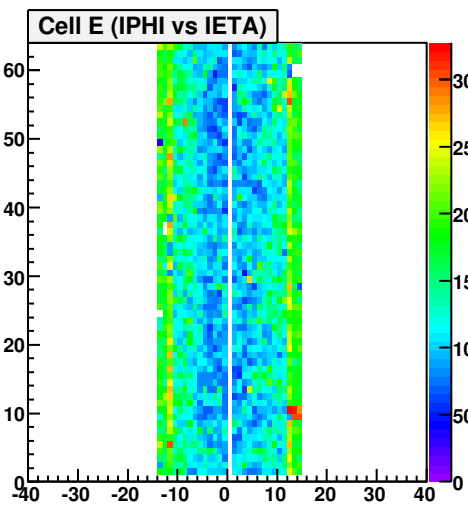


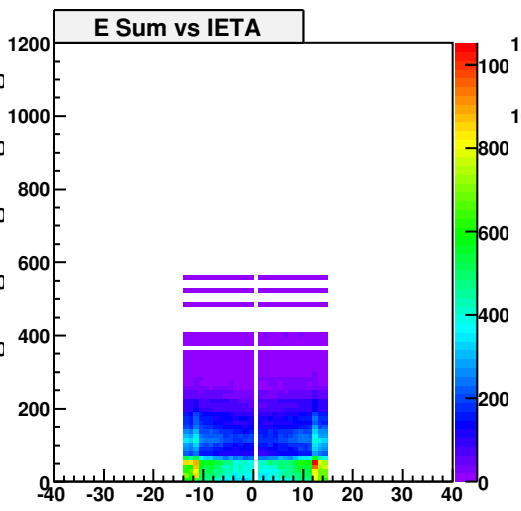


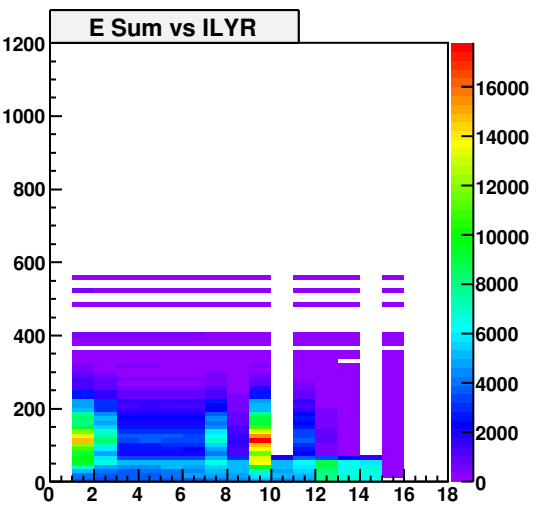




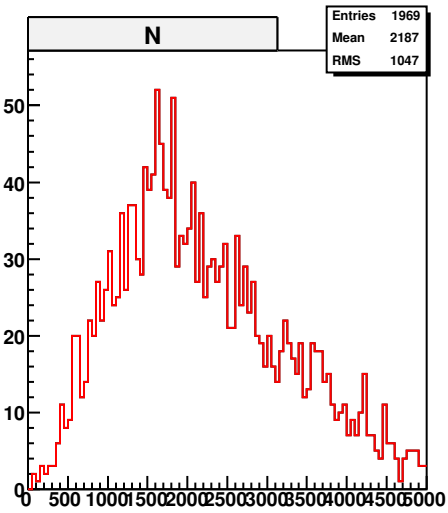


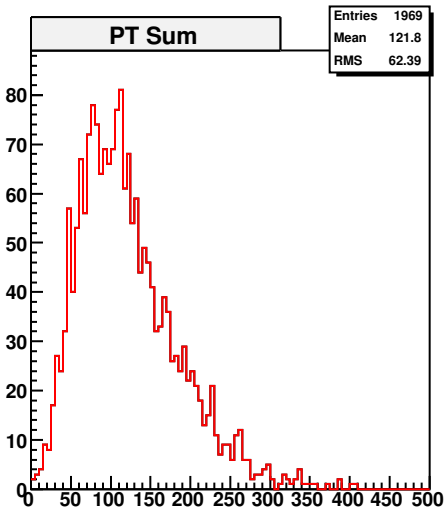


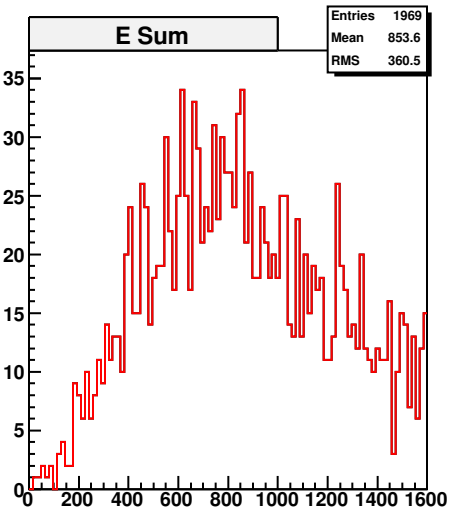


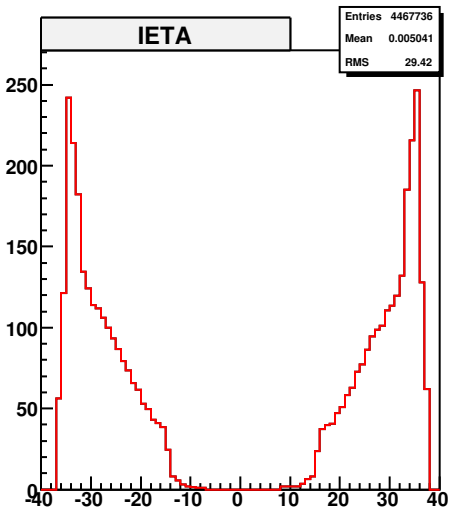


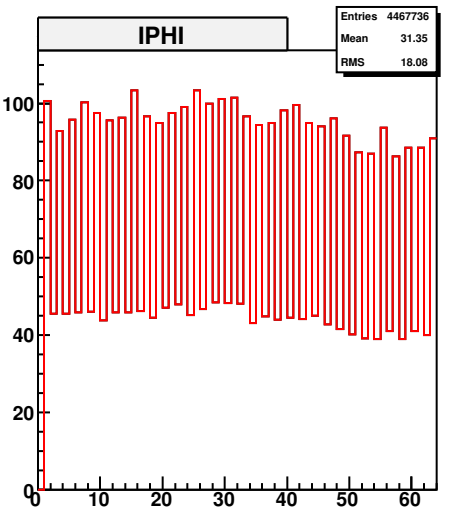
Calorimeter (All CC cells)

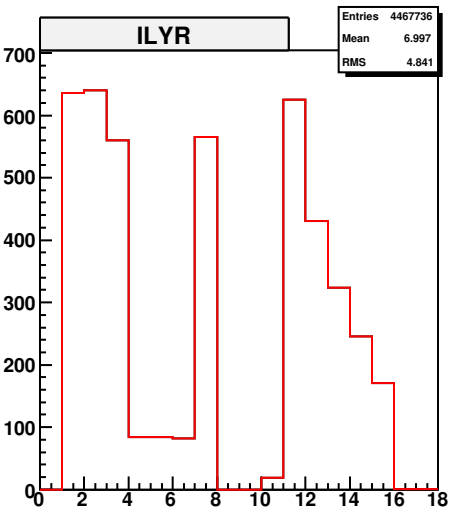


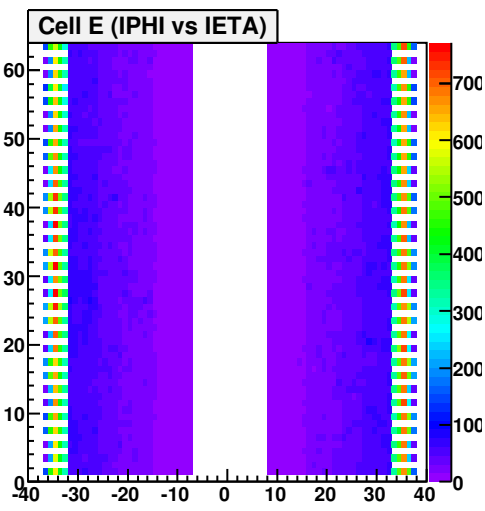


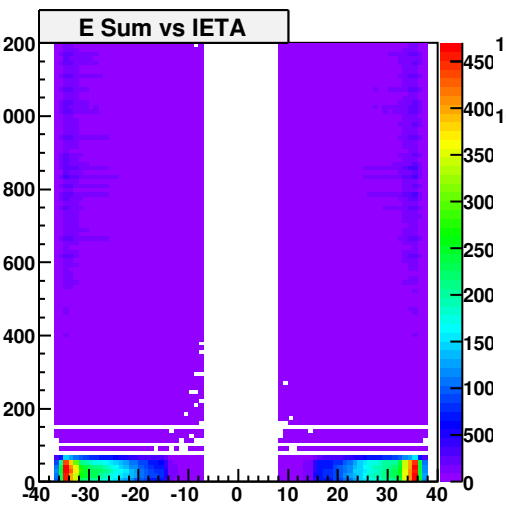


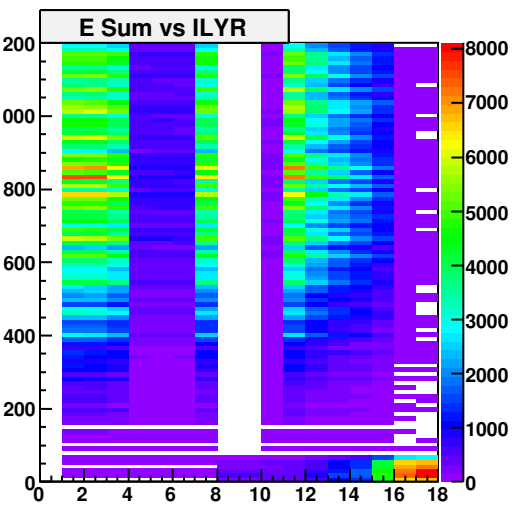




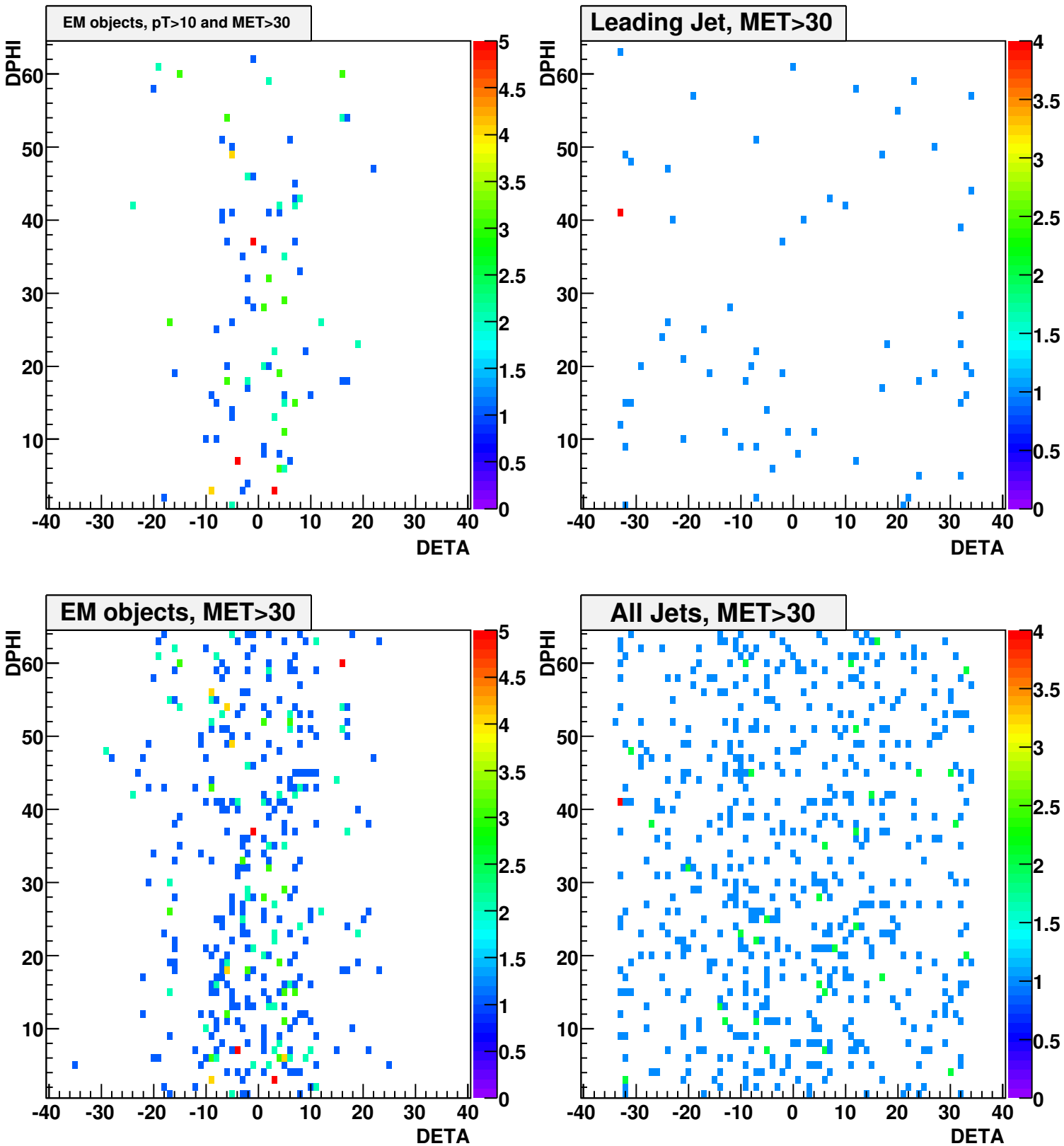




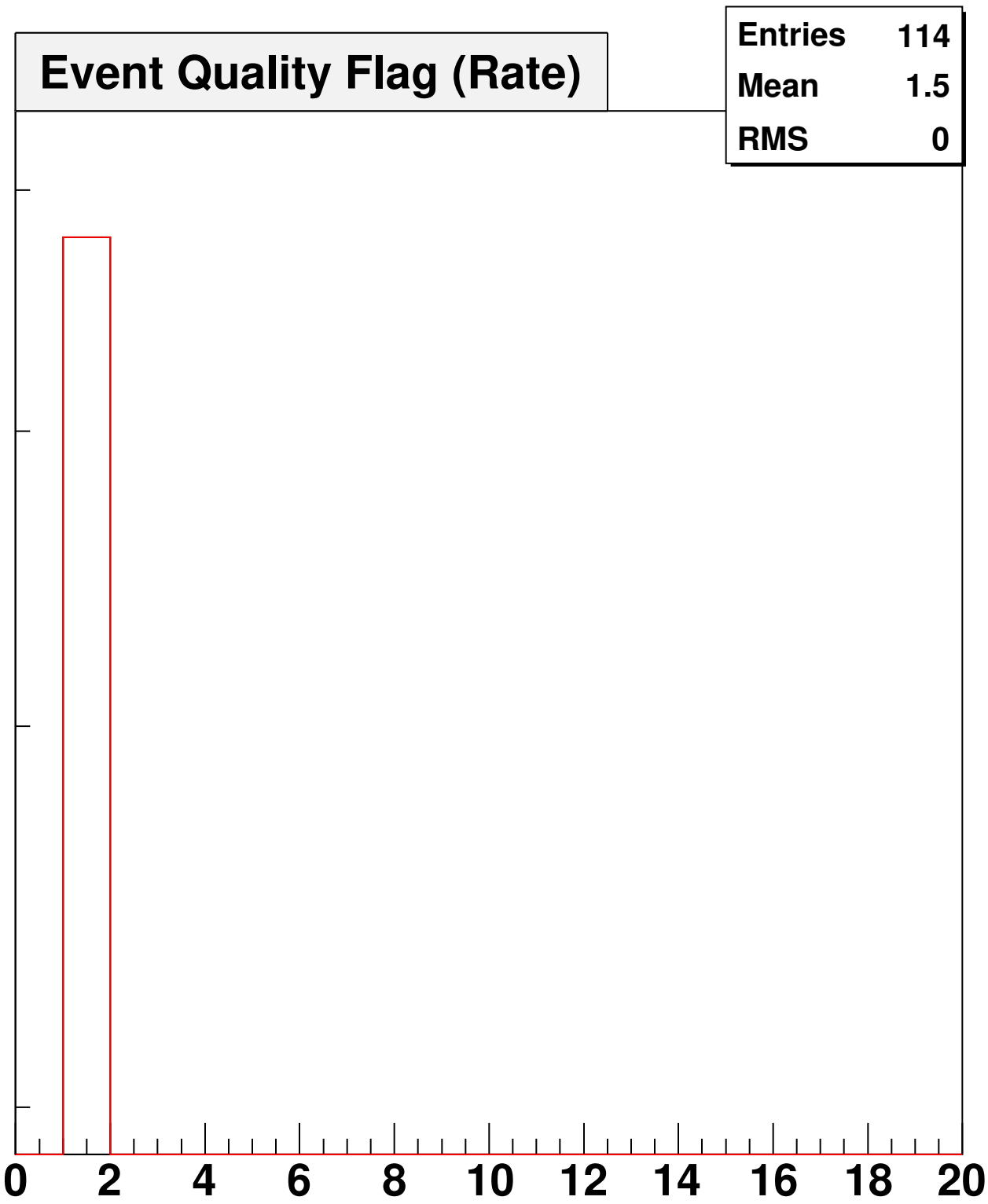


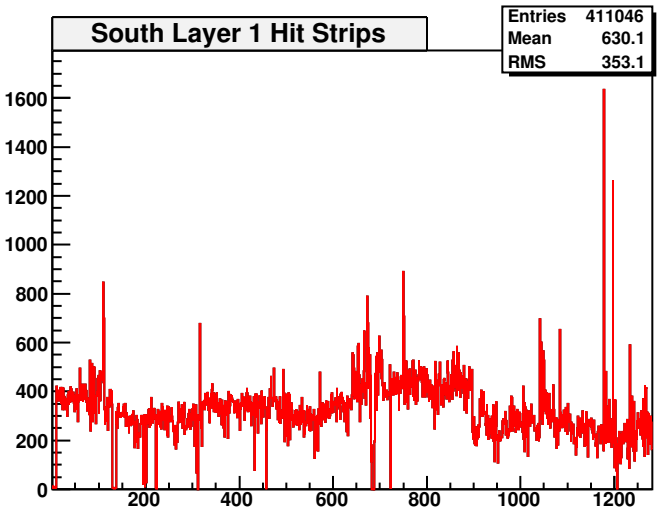


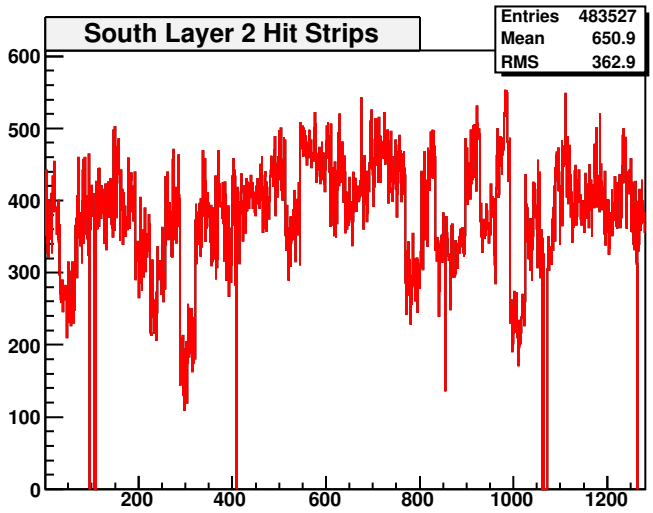
Calorimeter (All EC cells)

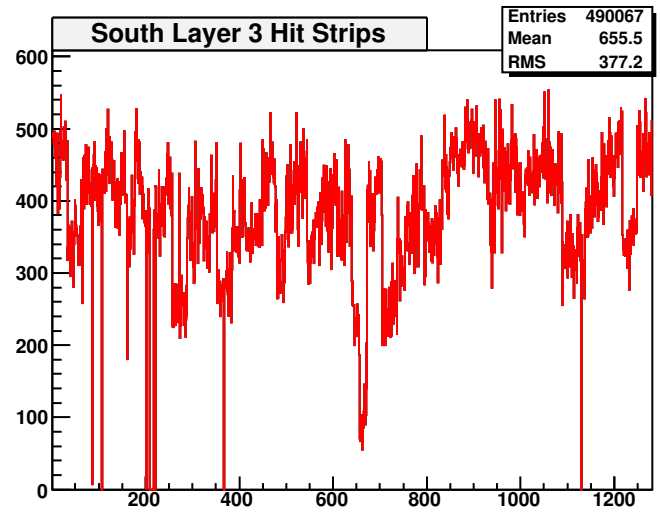


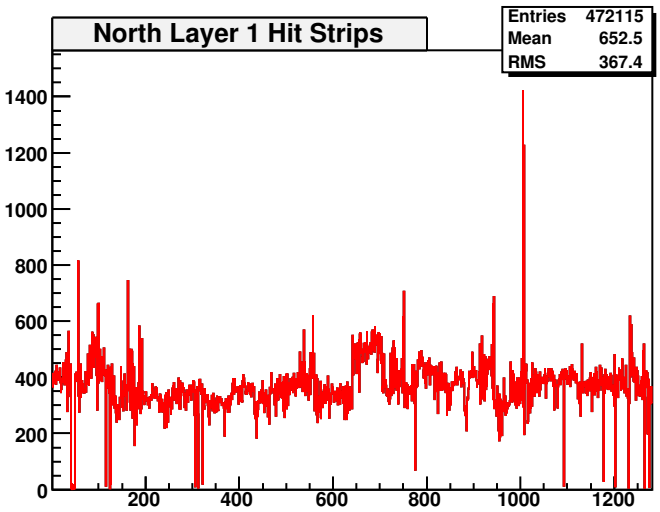
Cal Objects with MET>30 (All cells)

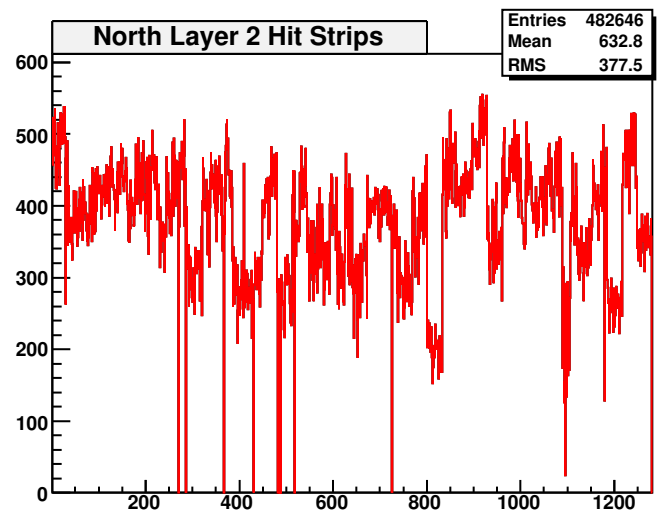

Event Quality Flag (Rate)
Entries 114
Mean 1.5
RMS 0
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

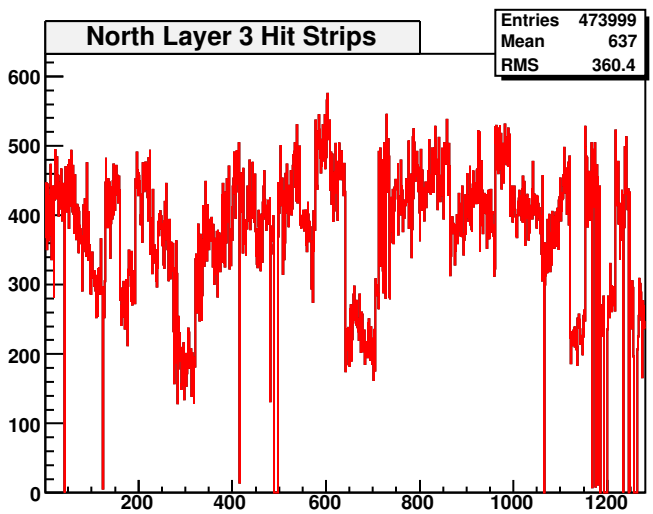




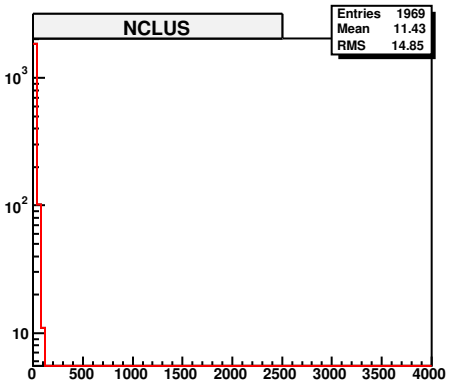


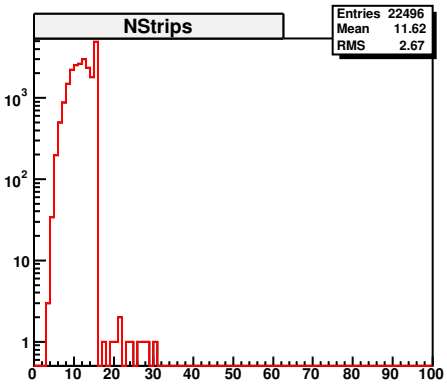


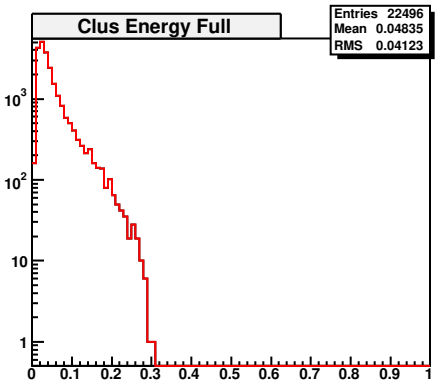


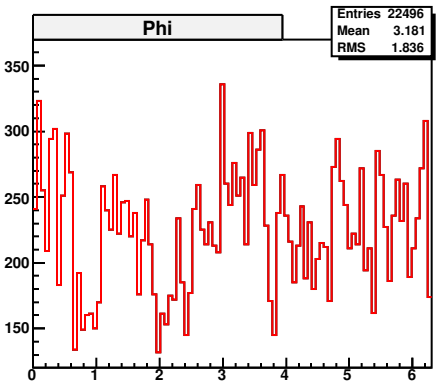


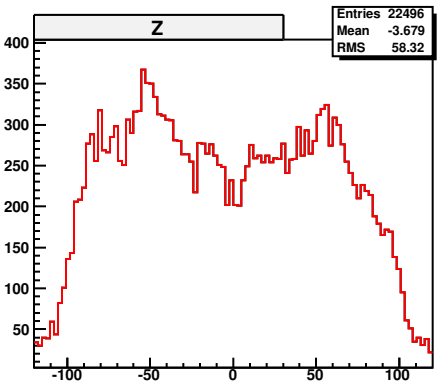
CPS Hit Strips (All Clusters)

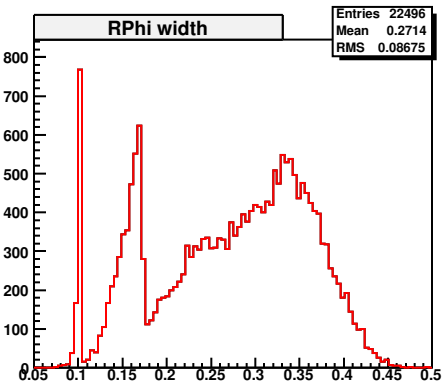


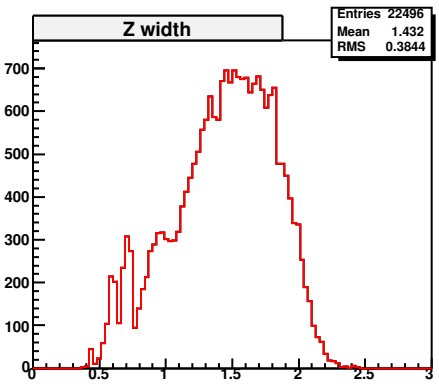


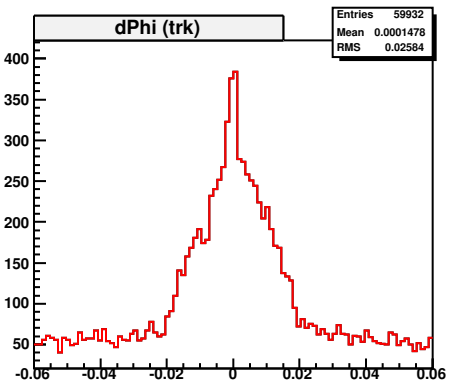


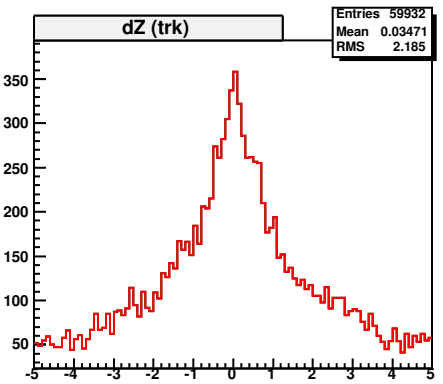


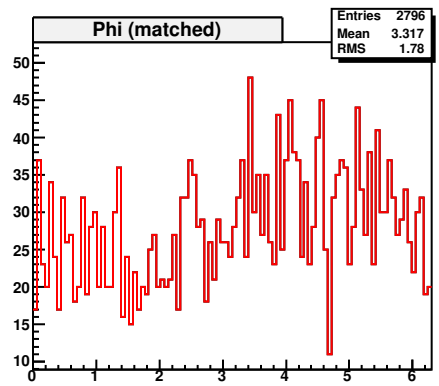


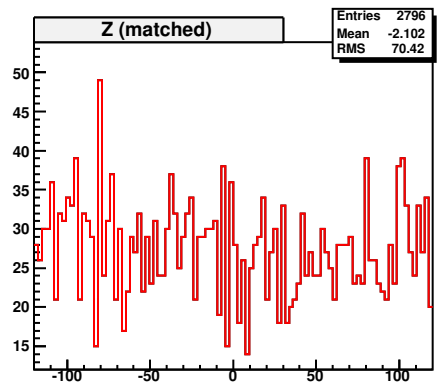




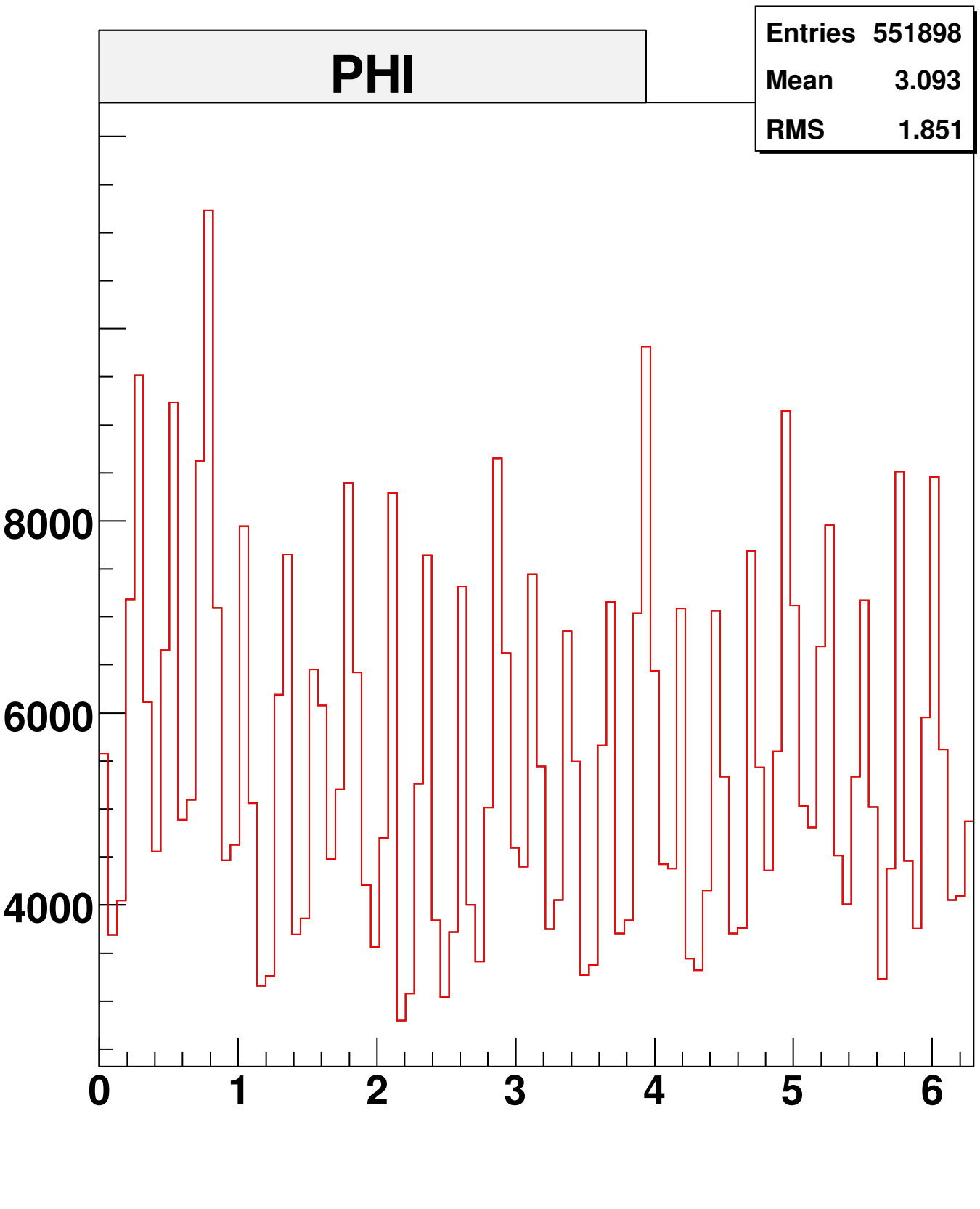


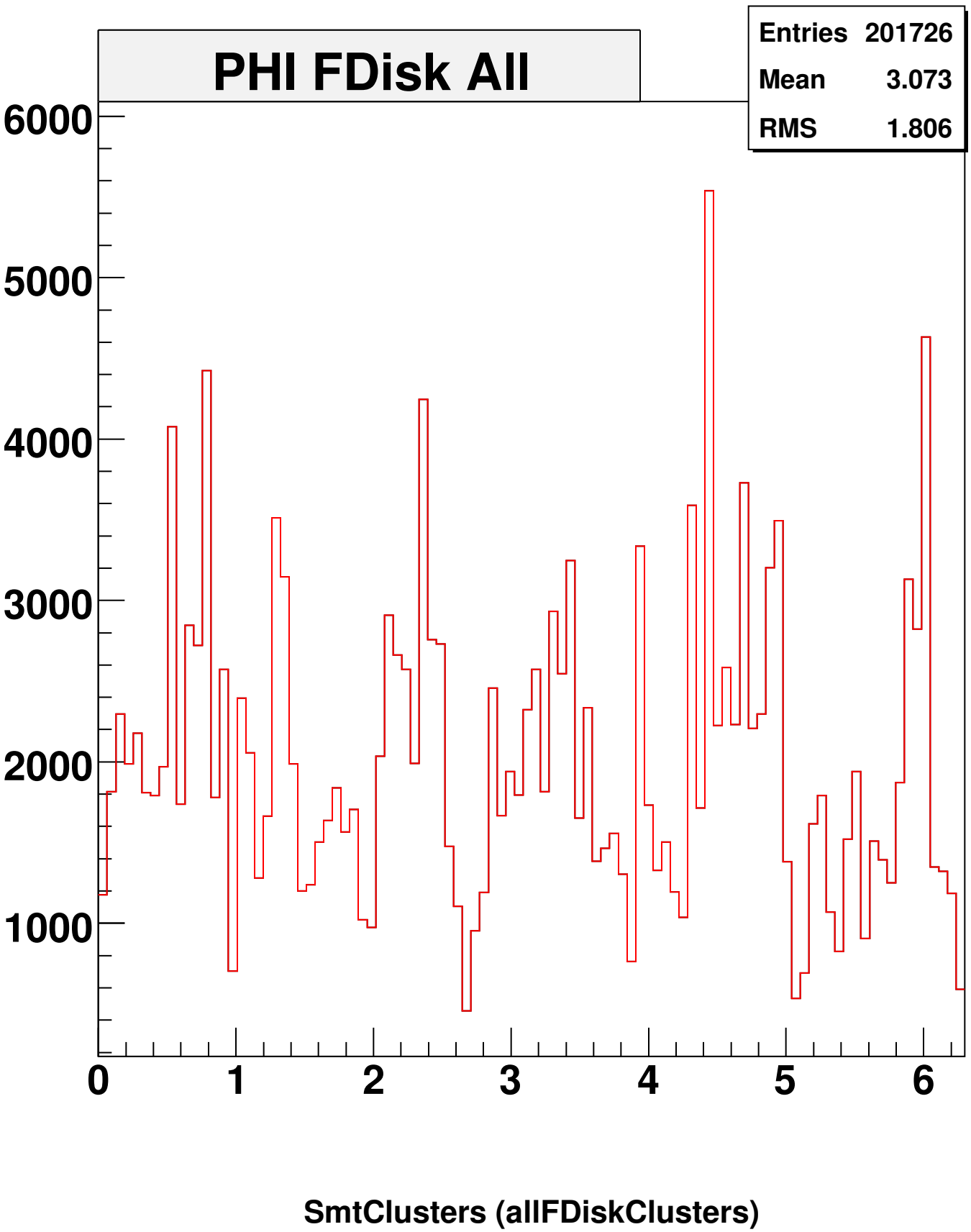


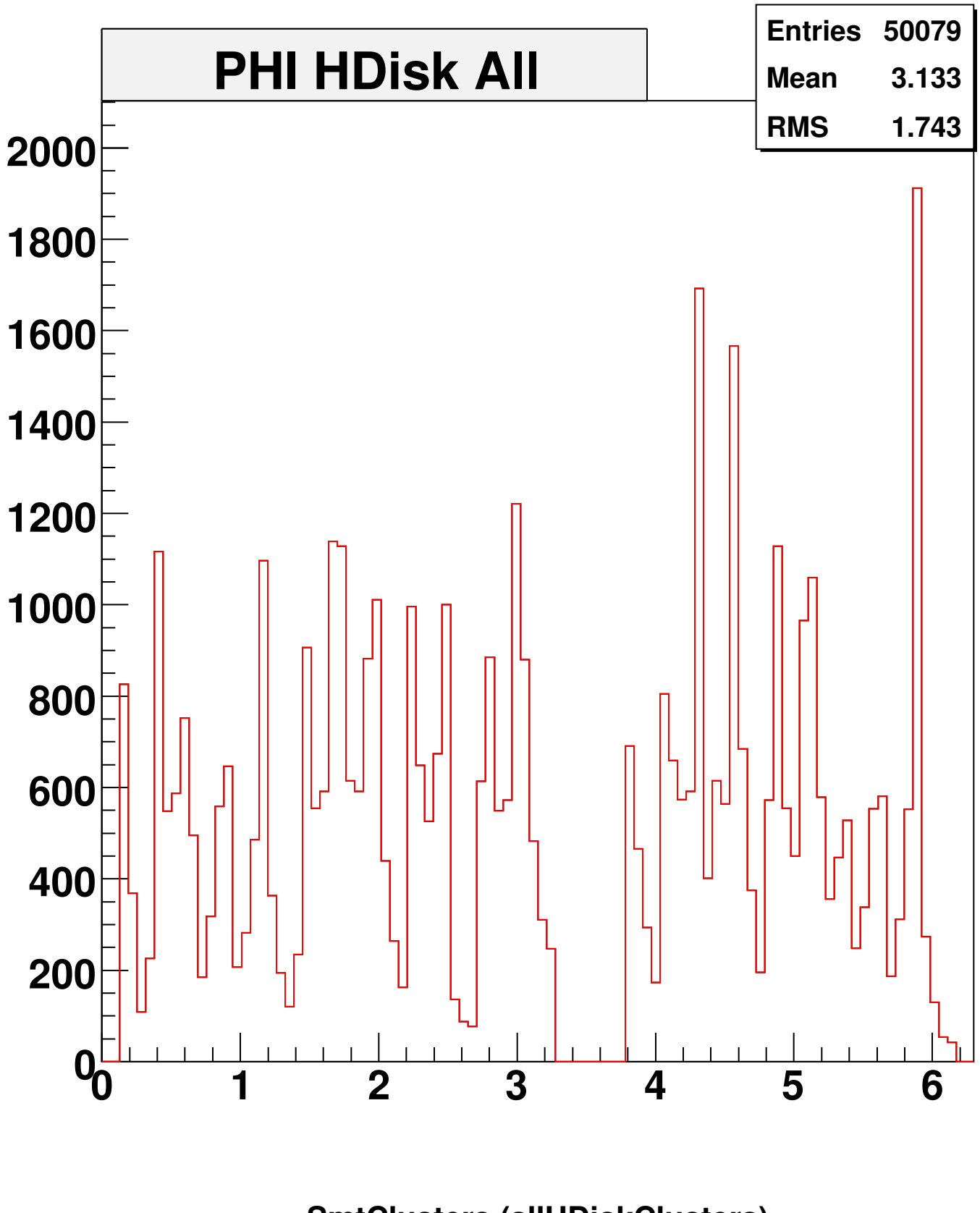


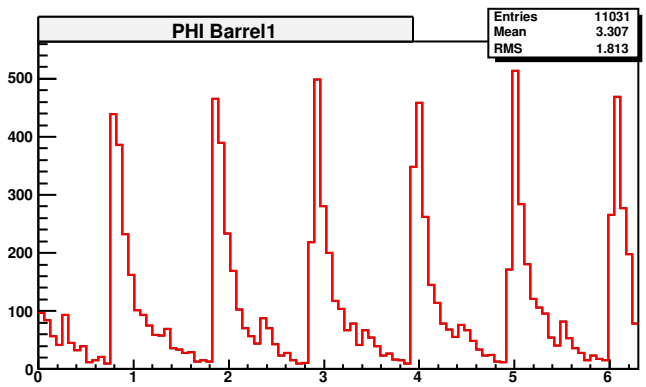


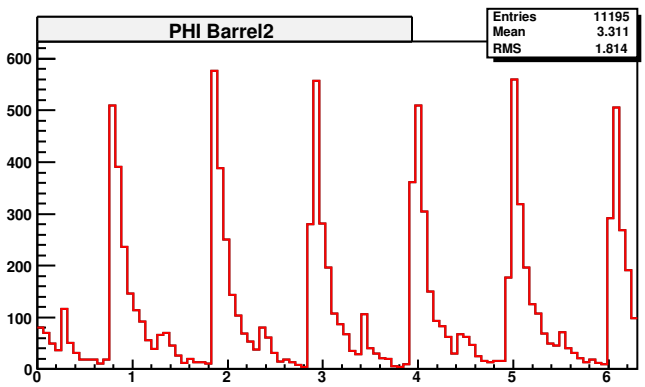
CPS Clusters (All Clusters)

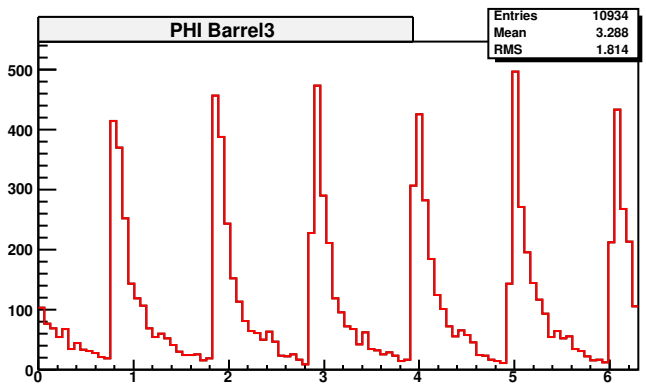

PHI
Entries 551898
Mean 3.093
RMS 1.851
8000
6000
4000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

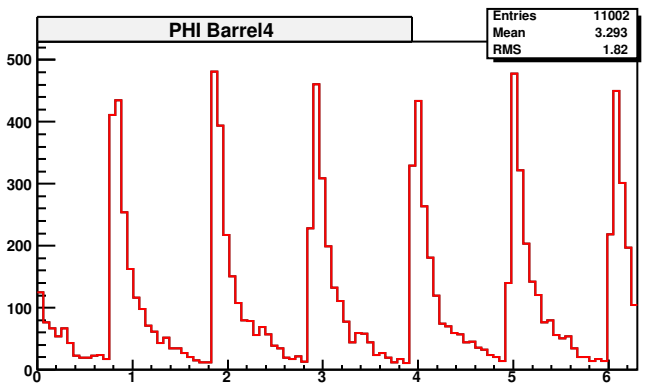

PHI FDisk All
Entries 201726
Mean 3.073
RMS 1.806
6000
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

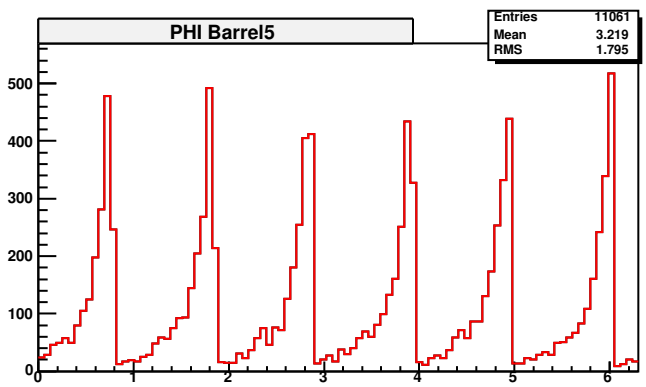

PHI HDisk All
Entries 50079
Mean 3.133
RMS 1.743
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

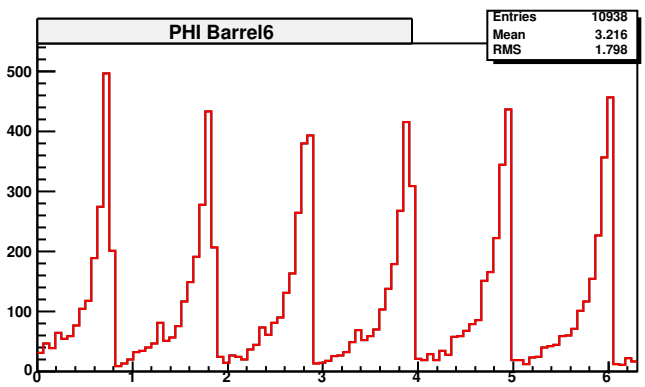


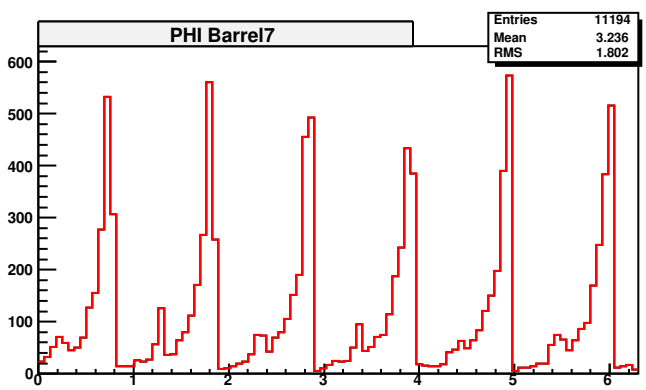


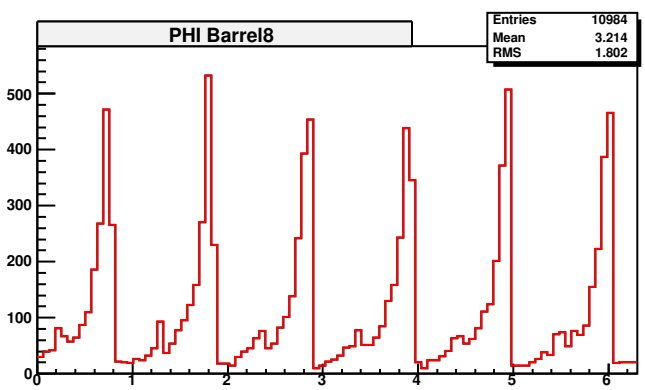




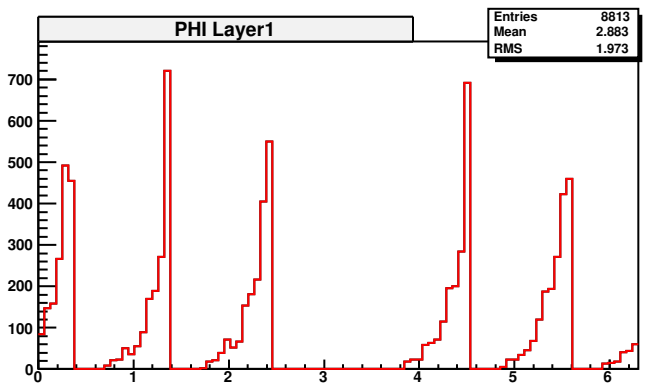


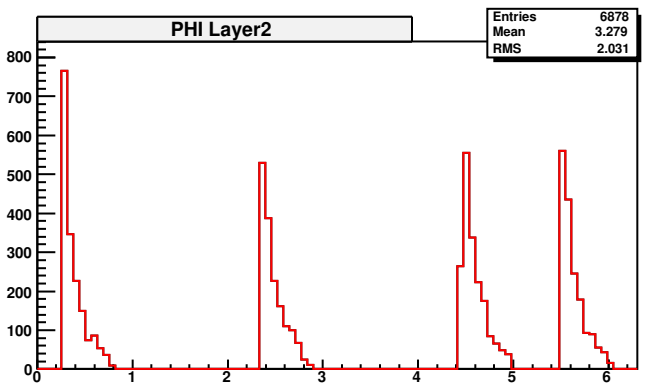


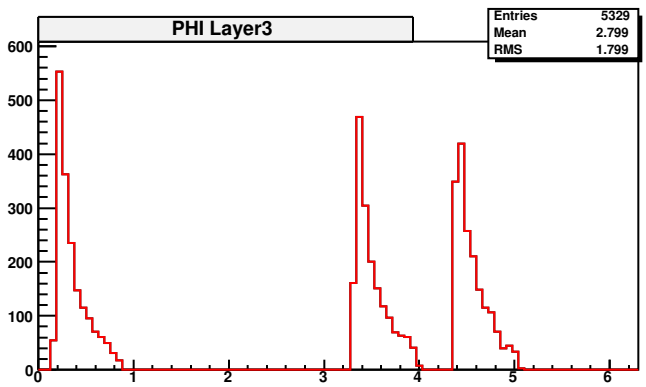


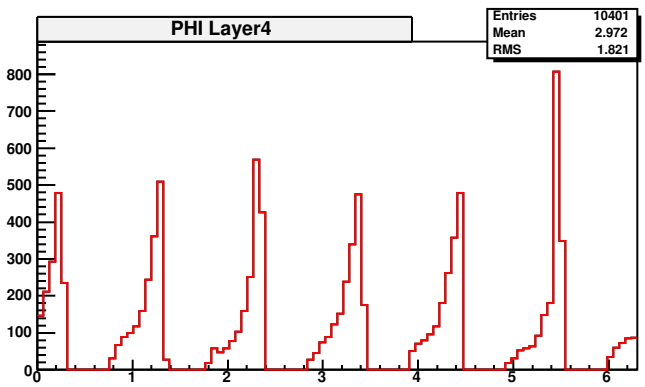


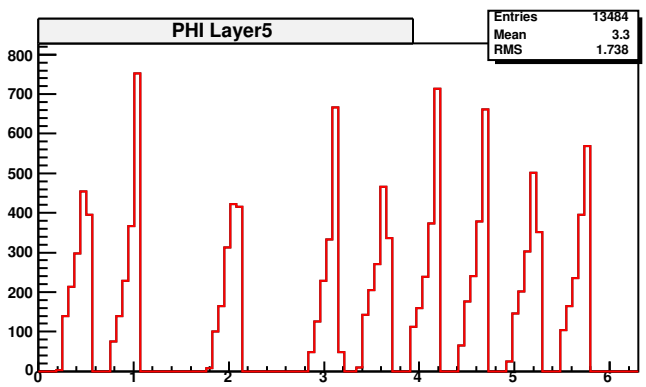
SmtClusters (ClustrLayer0)

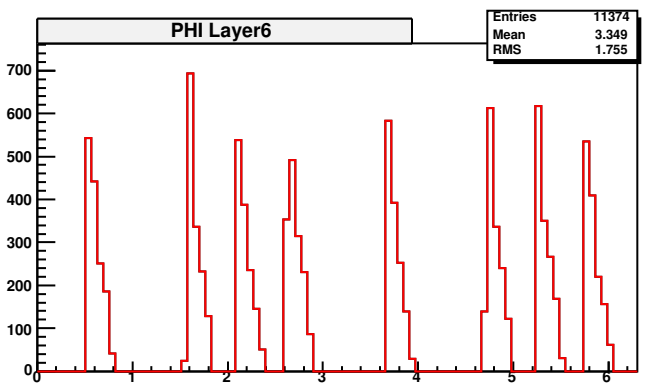


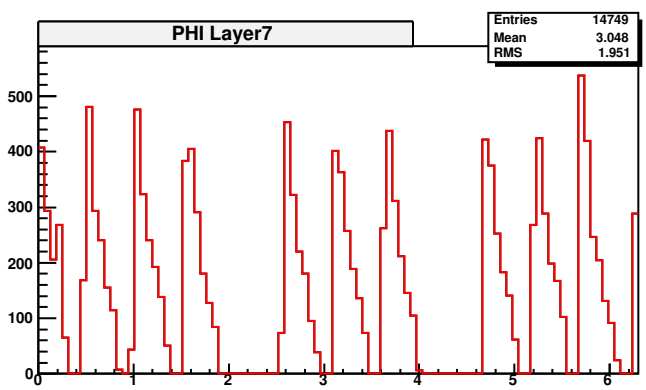


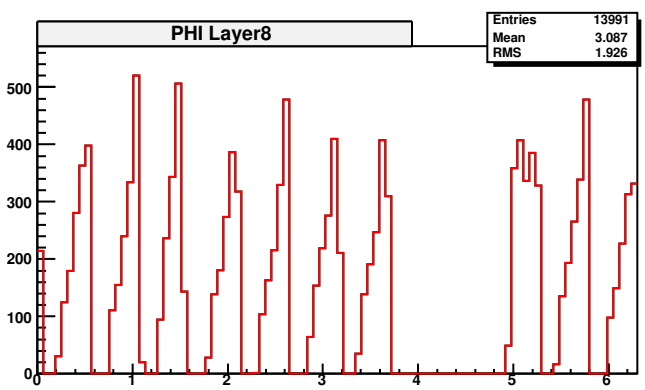




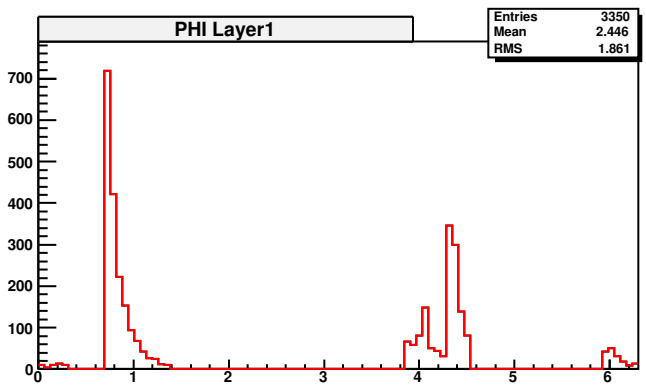


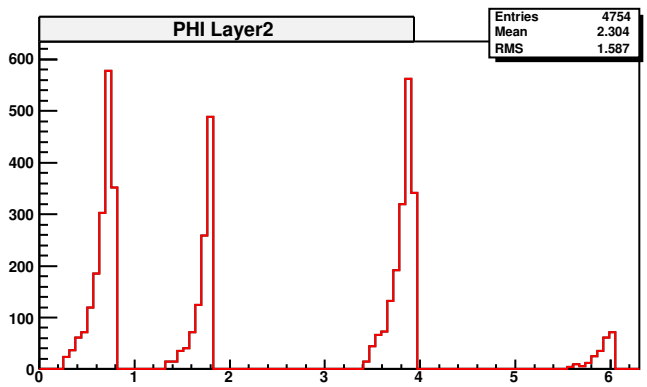


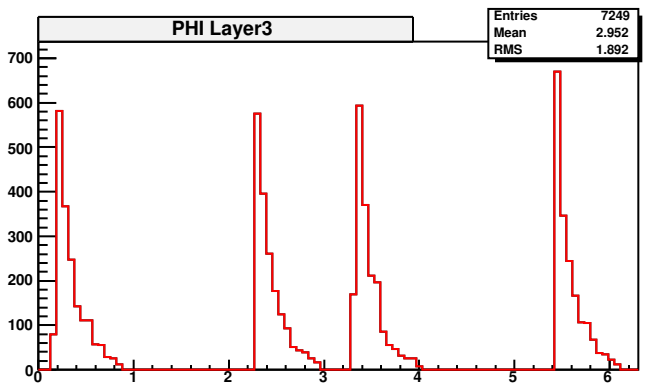


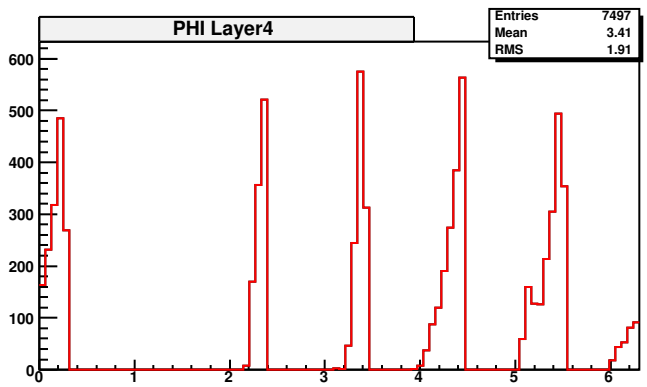


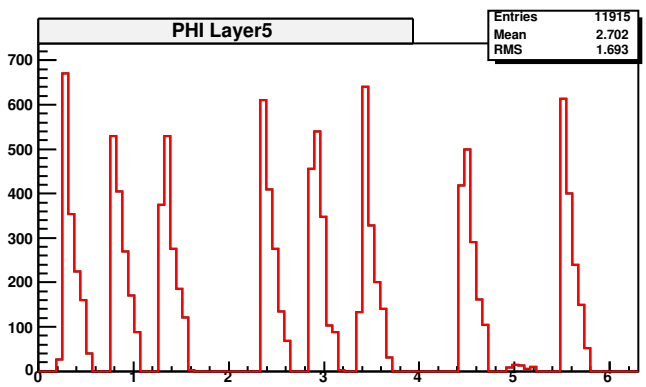
SmtClusters (ClustrBar1)

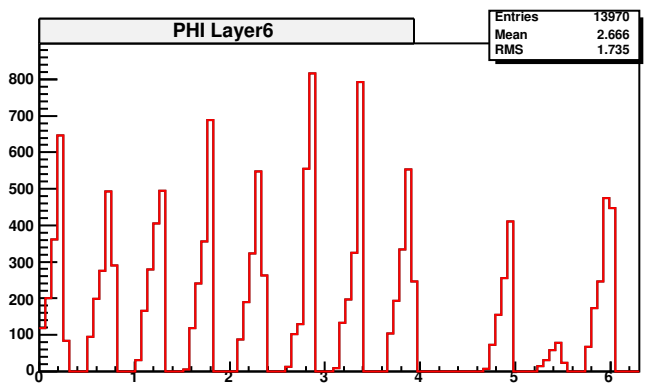


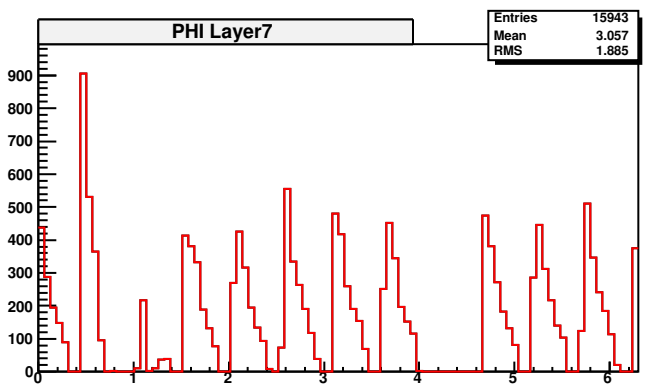


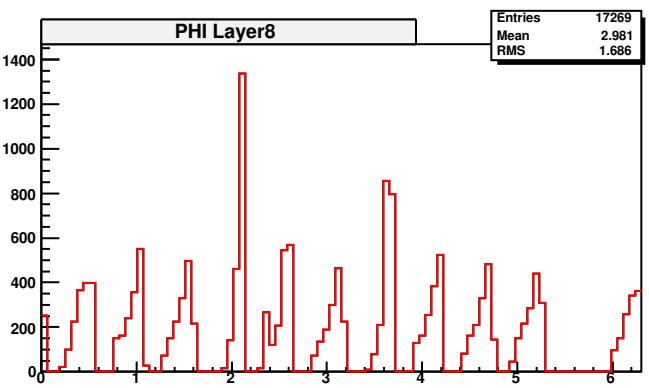




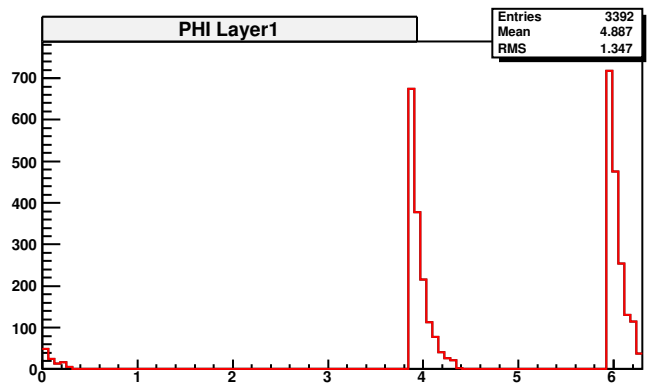


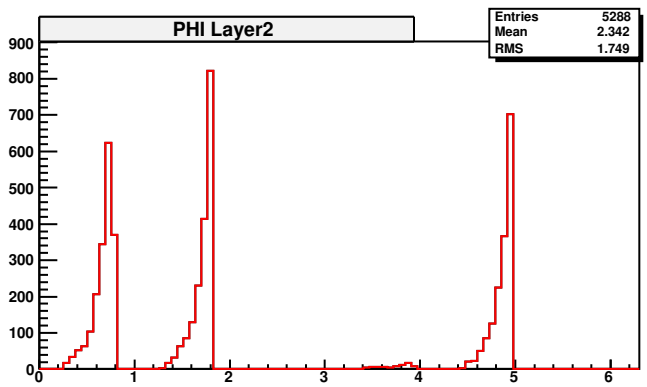


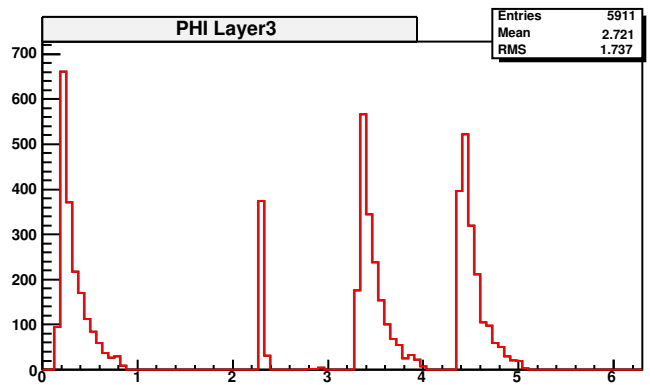


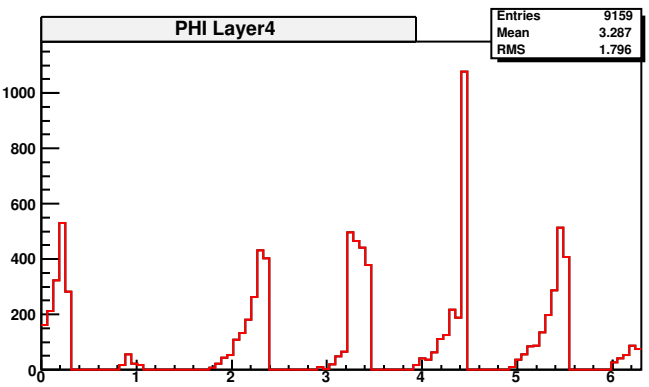


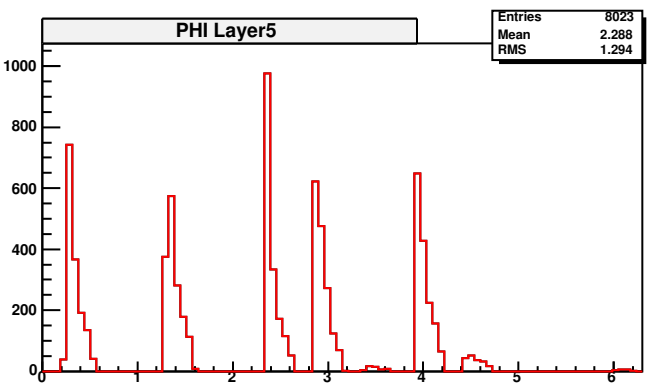
SmtClusters (ClustrBar2)

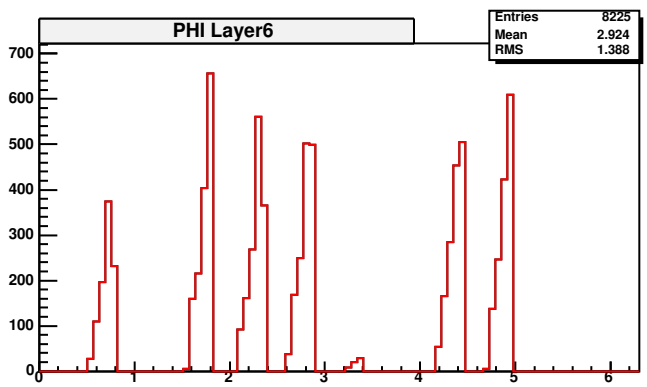


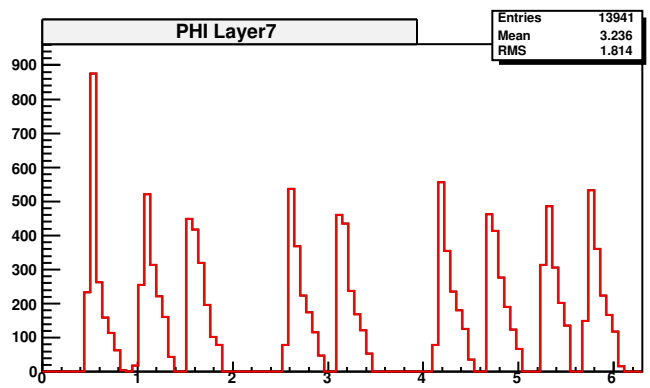


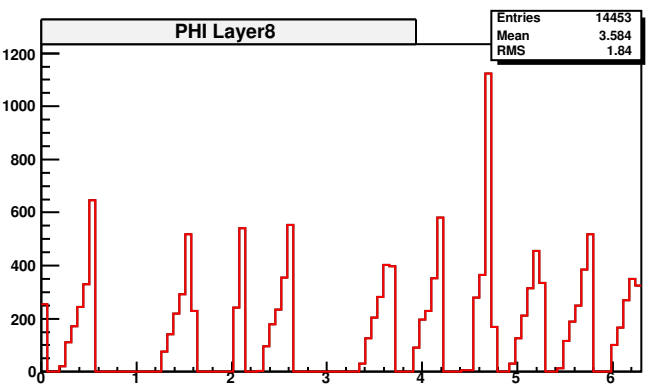




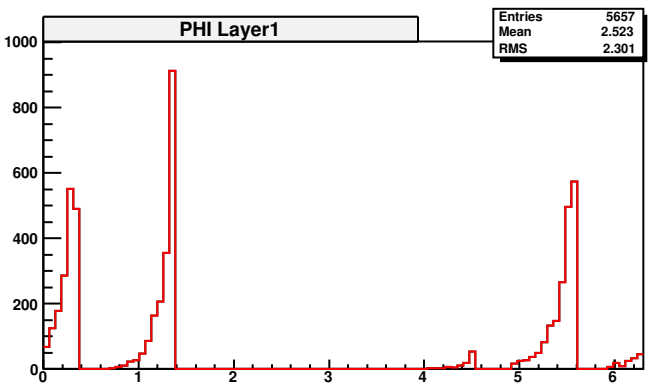


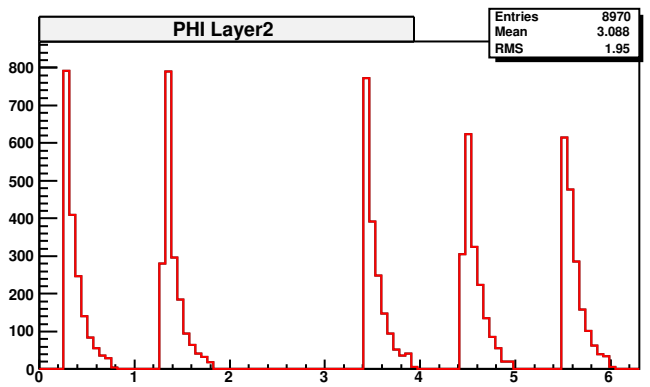


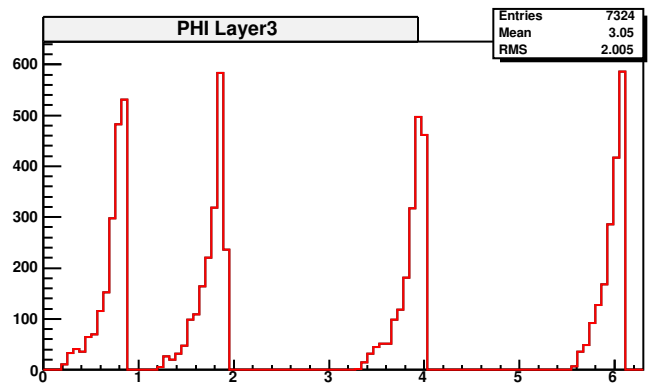


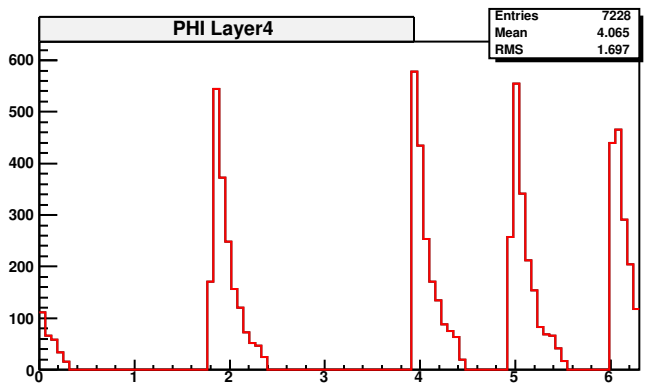


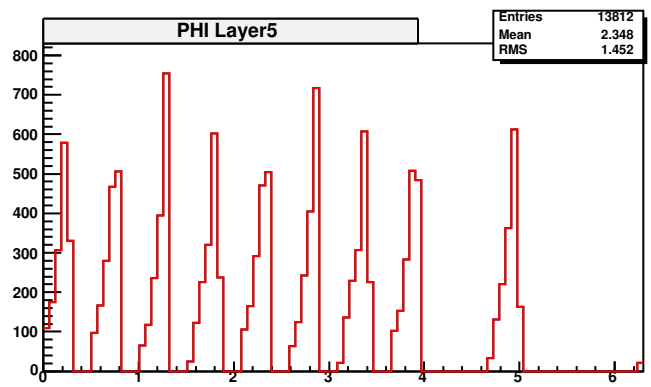
SmtClusters (ClustrBar3)

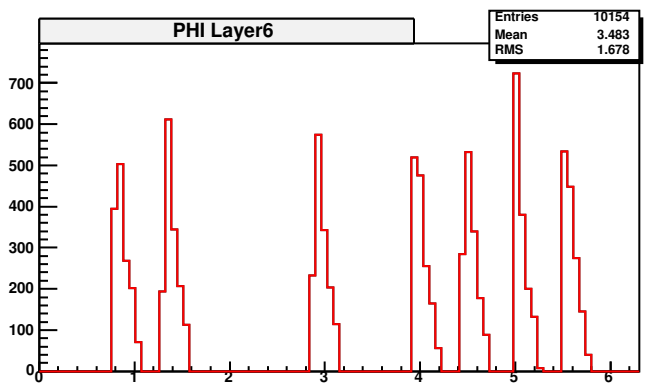


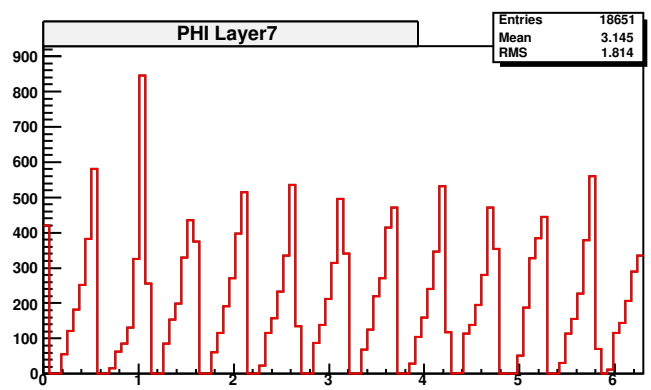


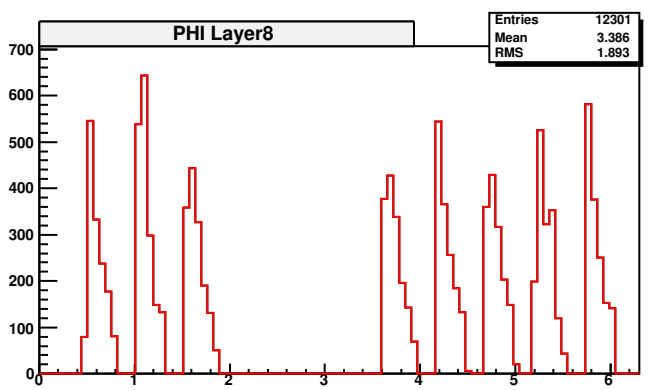




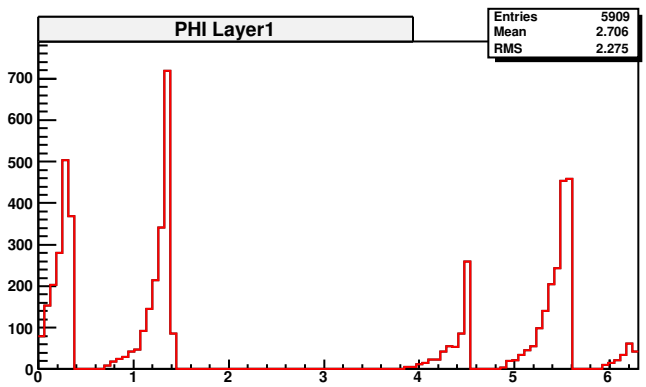


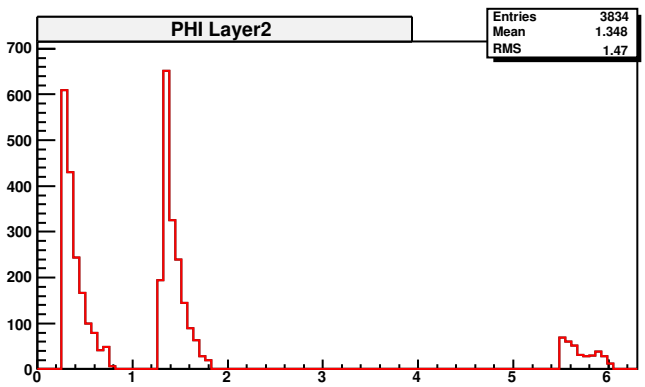


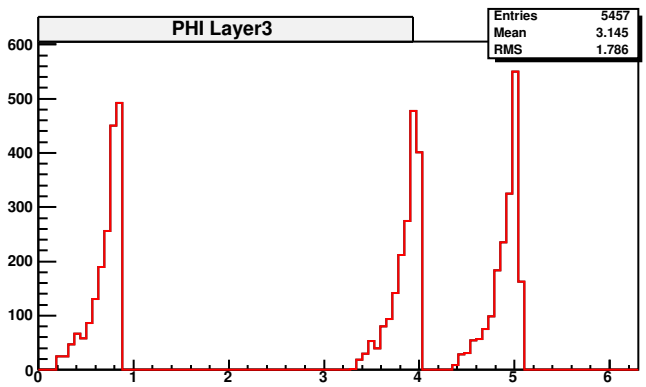


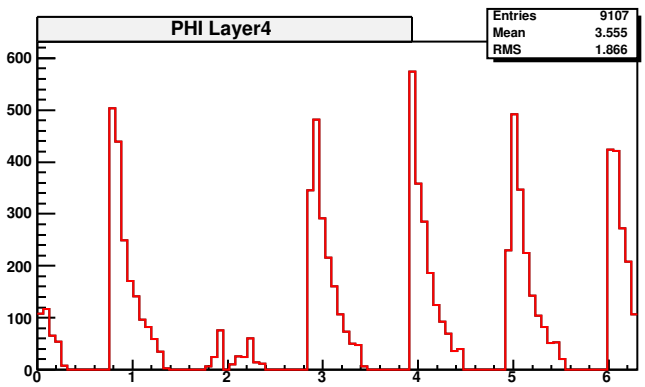


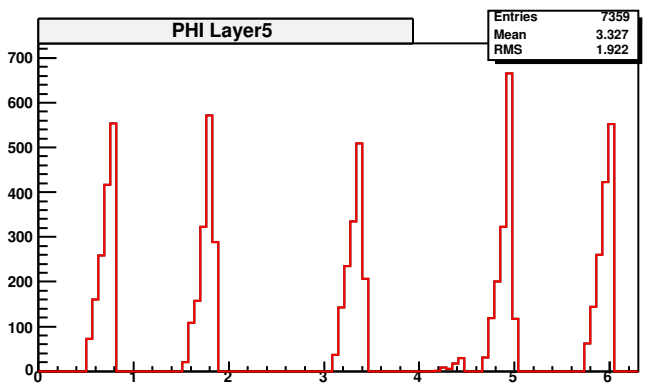
SmtClusters (ClustrBar4)

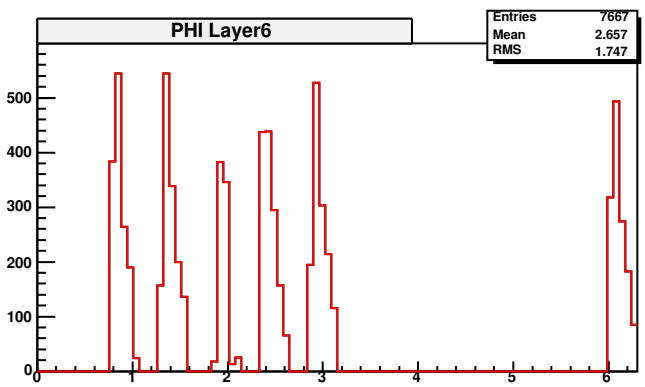


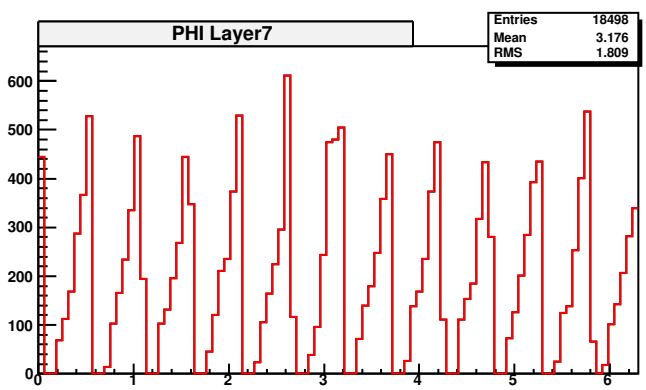


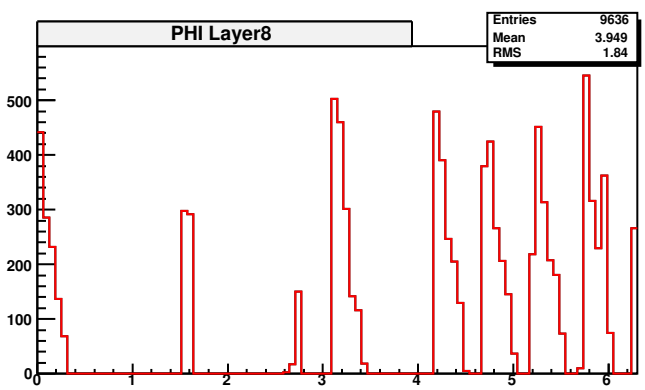




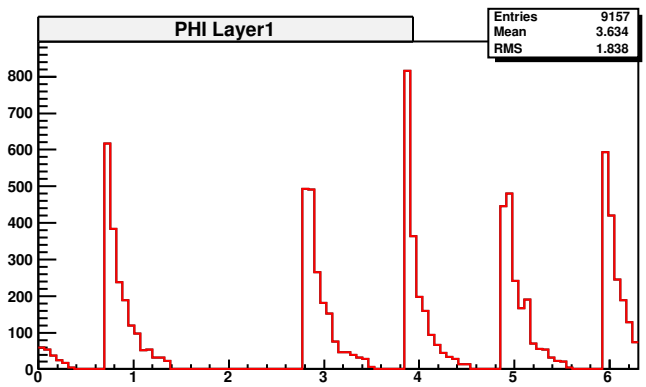


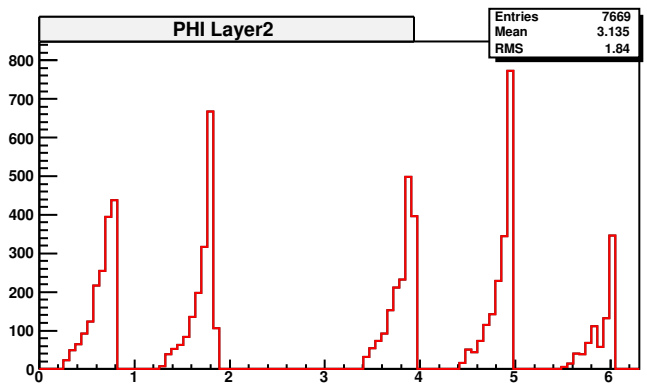


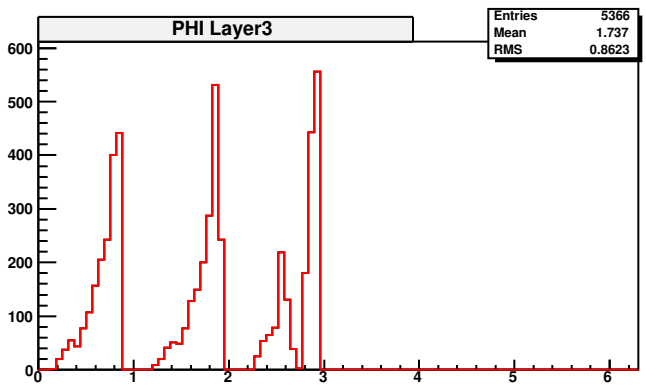


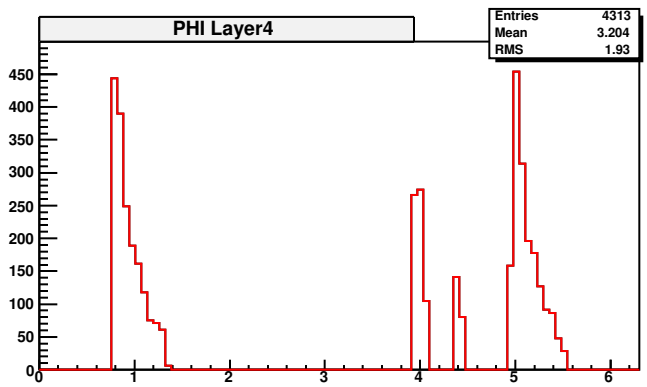


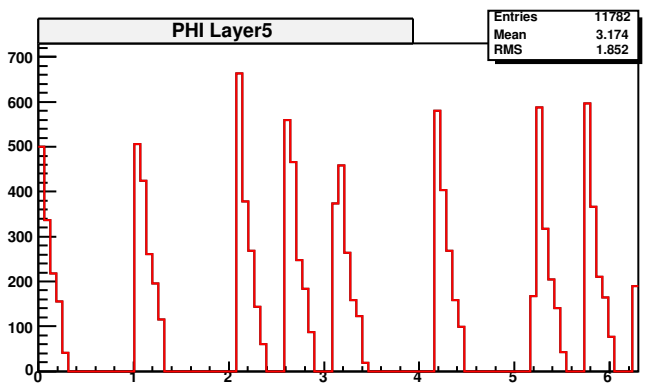
SmtClusters (ClustrBar5)

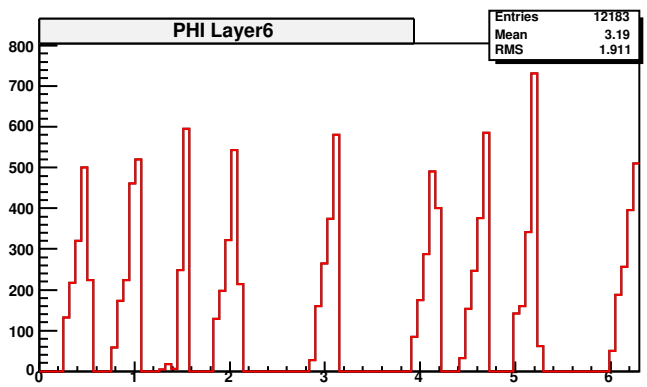


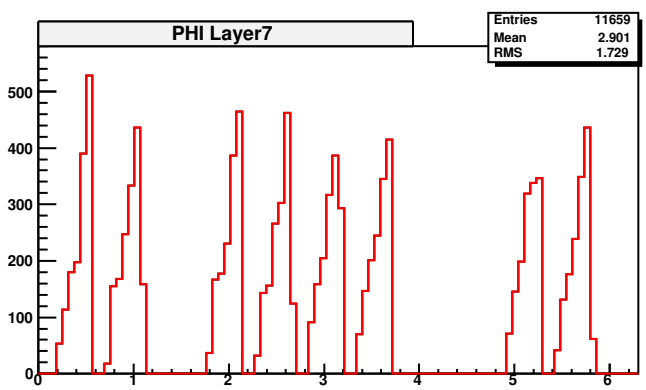


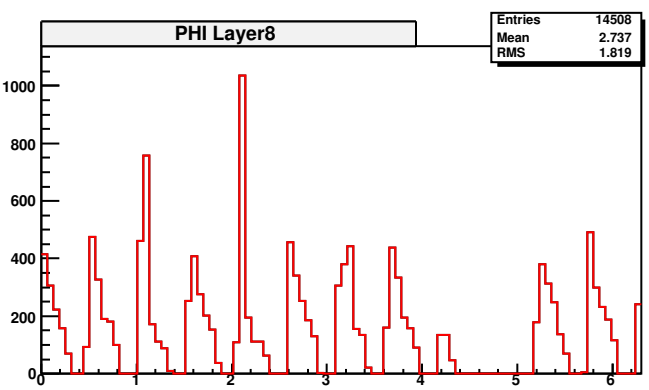




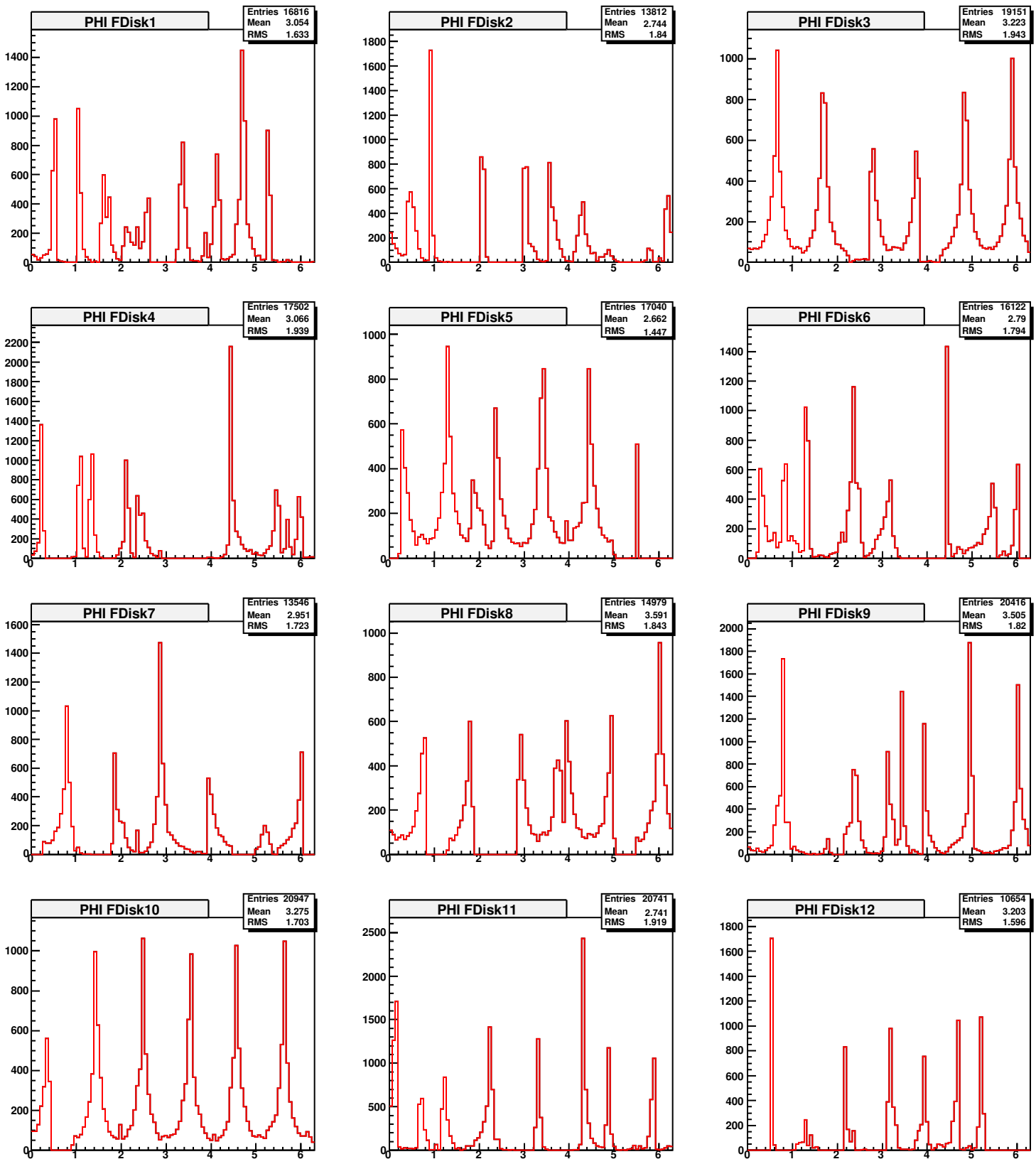




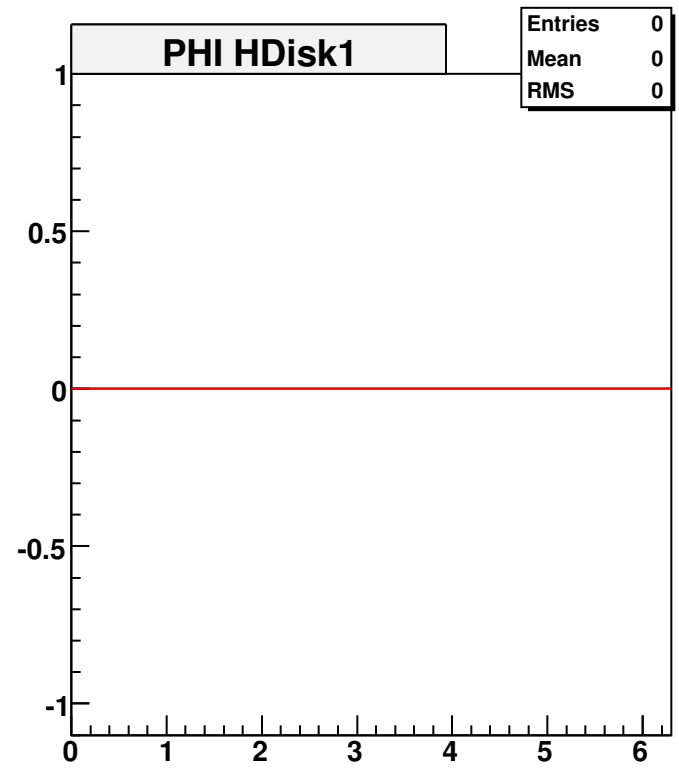


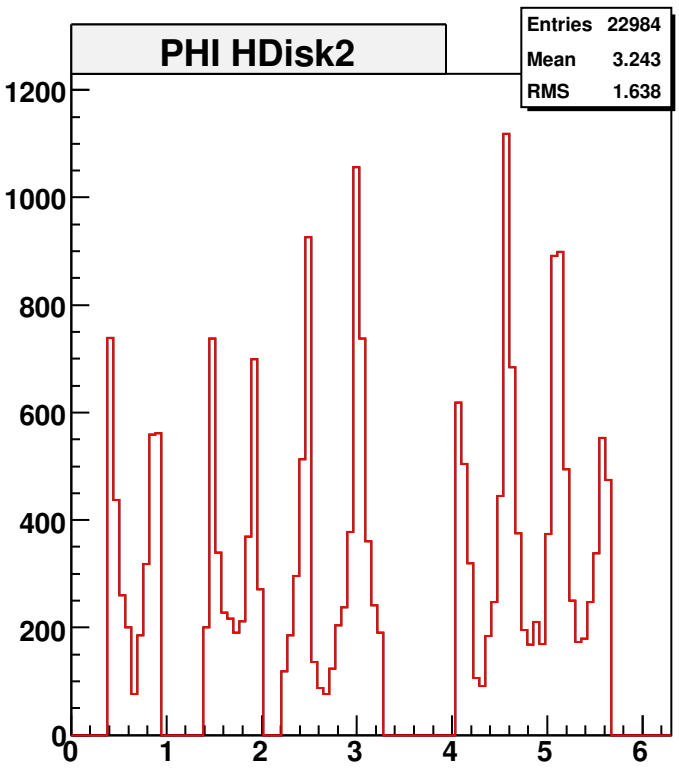


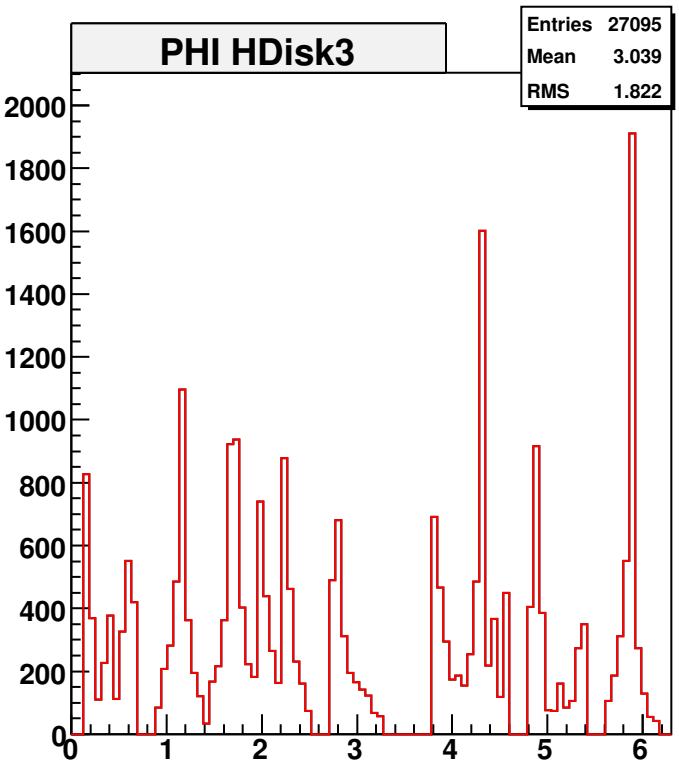
SmtClusters (ClustrBar6)

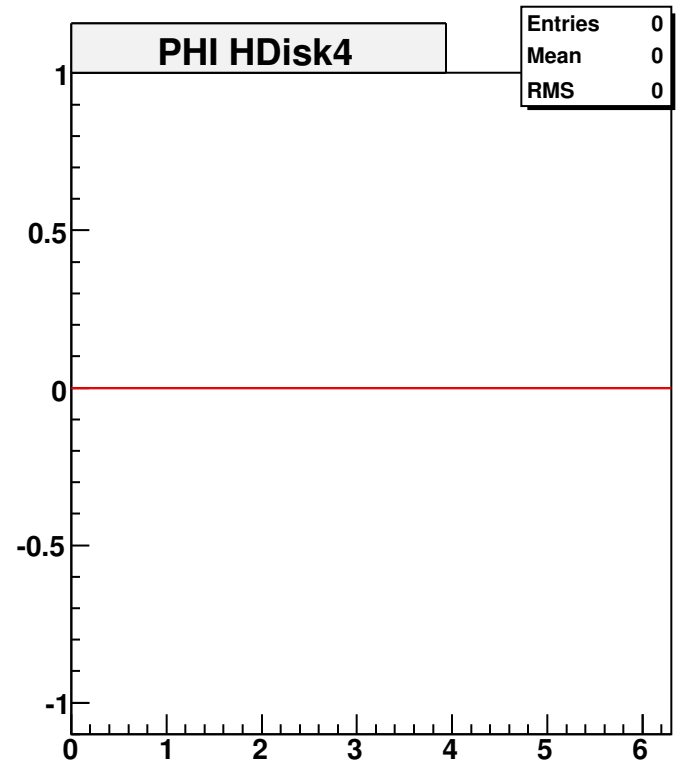


SmtClusters (FDiskClusters)

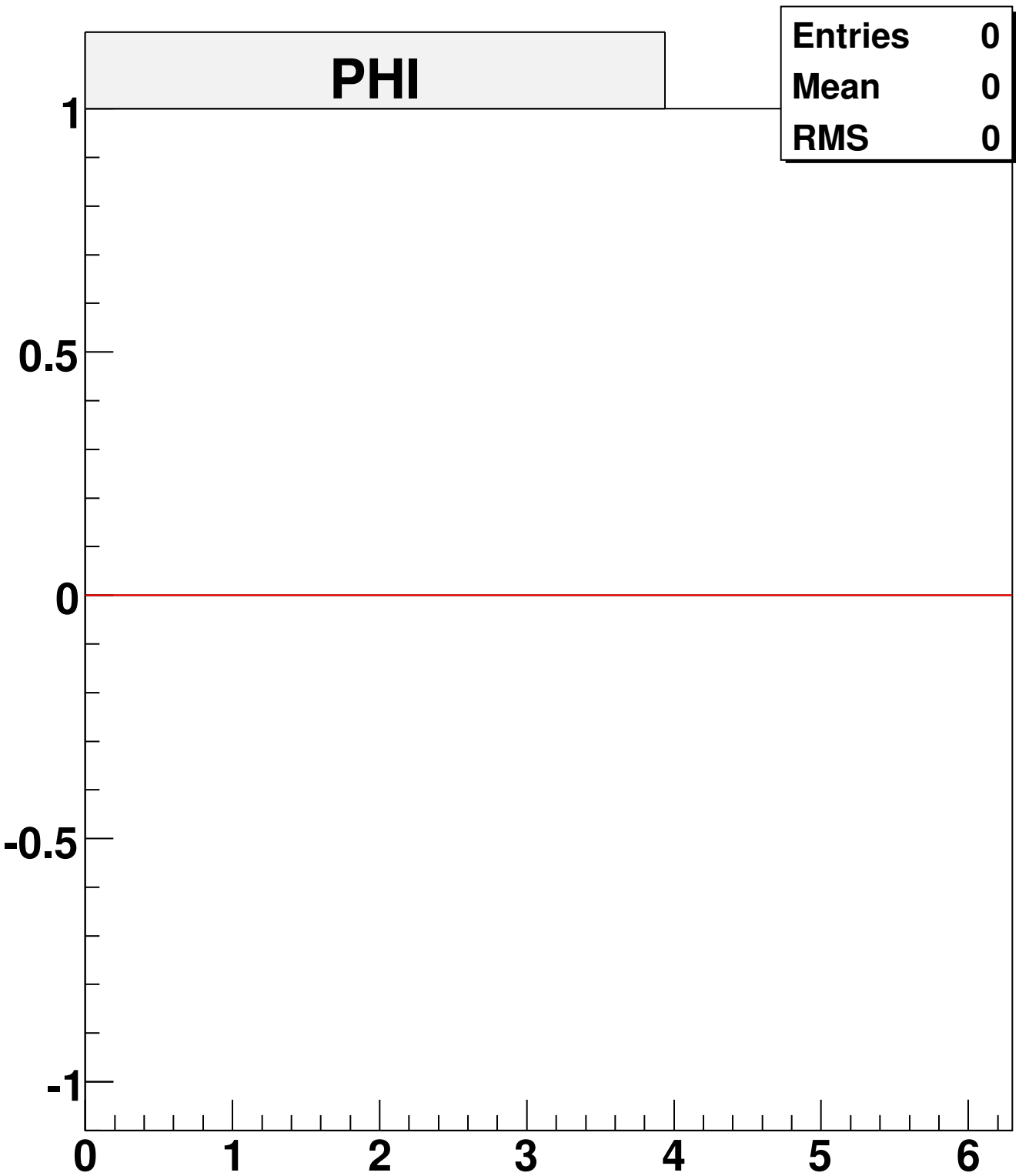


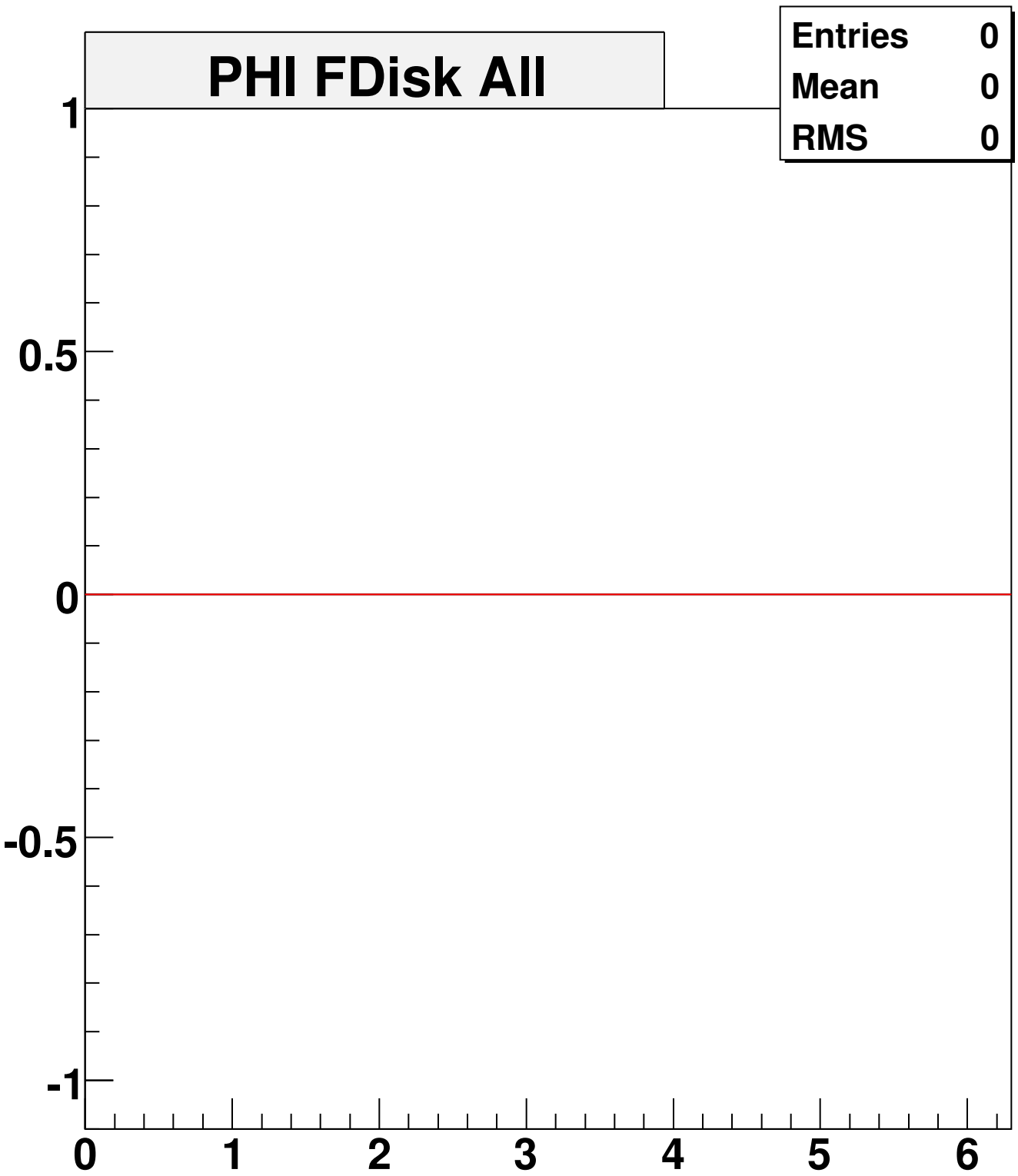






SmtClusters (HDiskClusters)


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
Entries 0
Mean 0
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3
4
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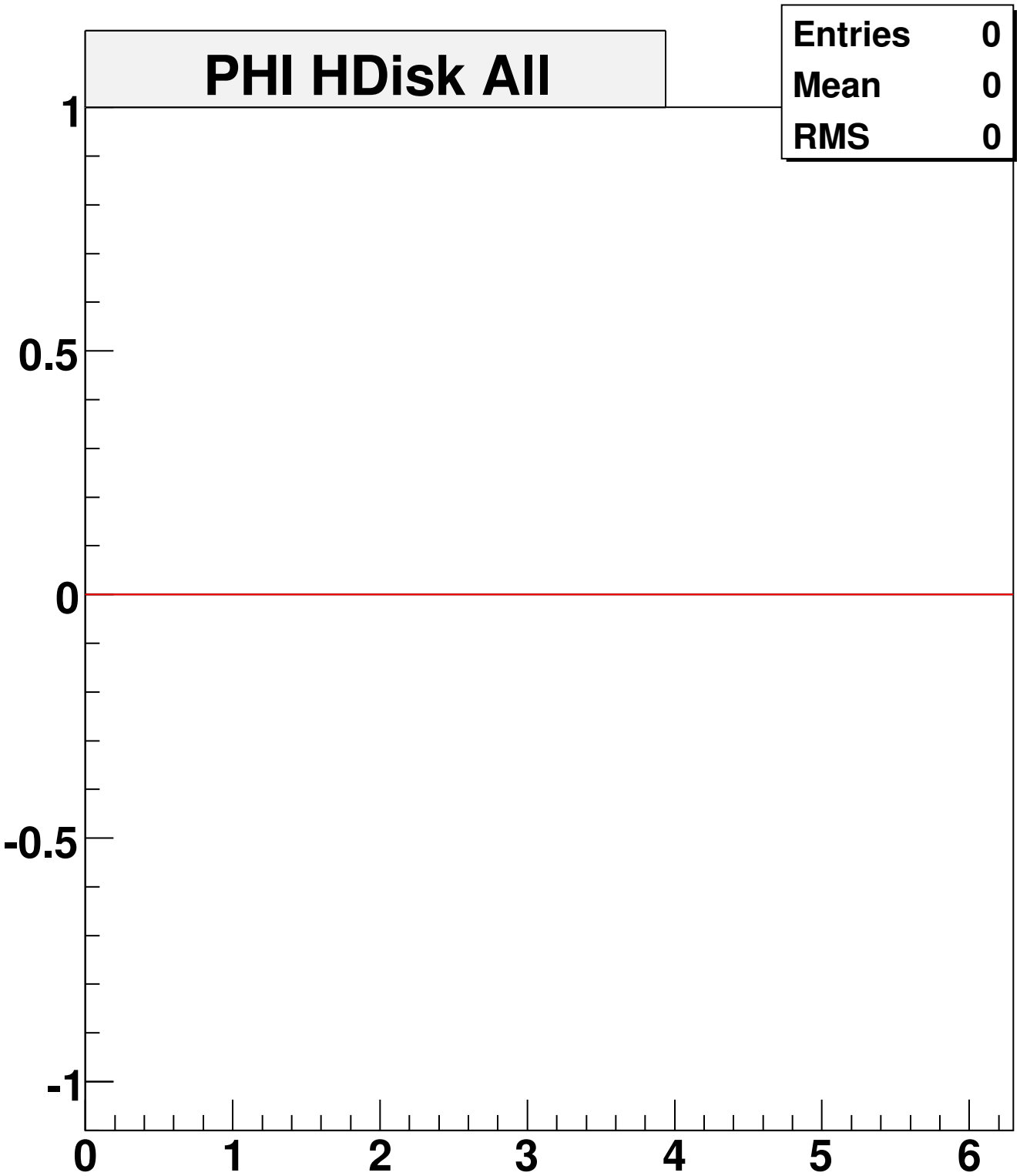
SmtClusters (allFDiskTClusters)


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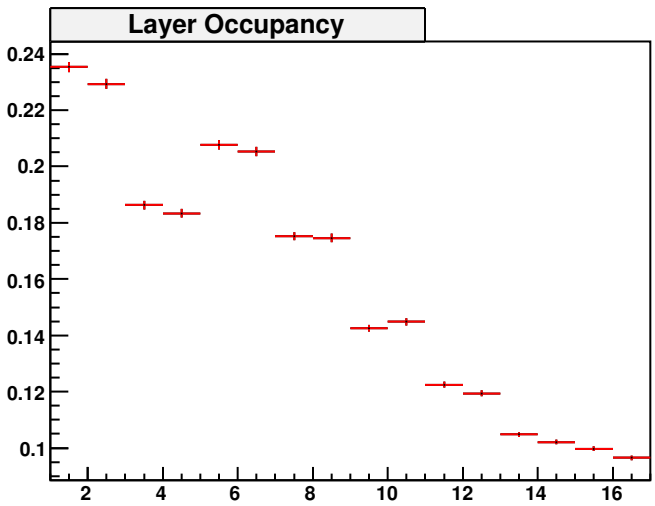
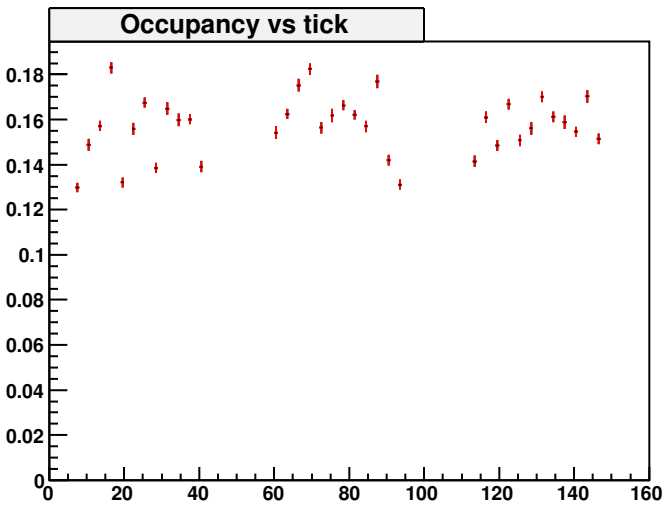
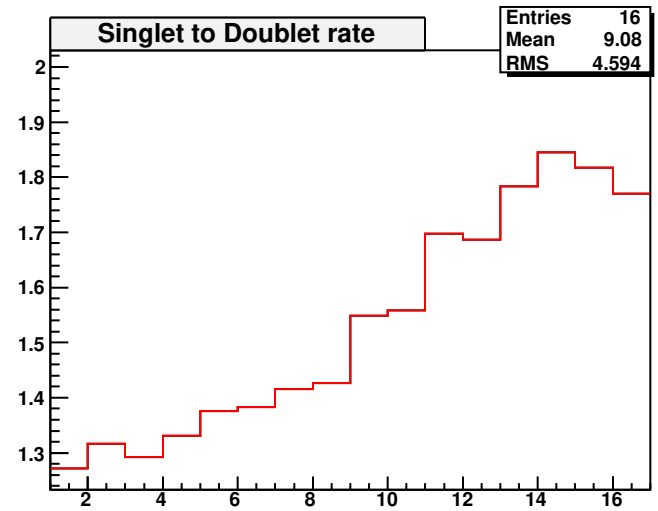
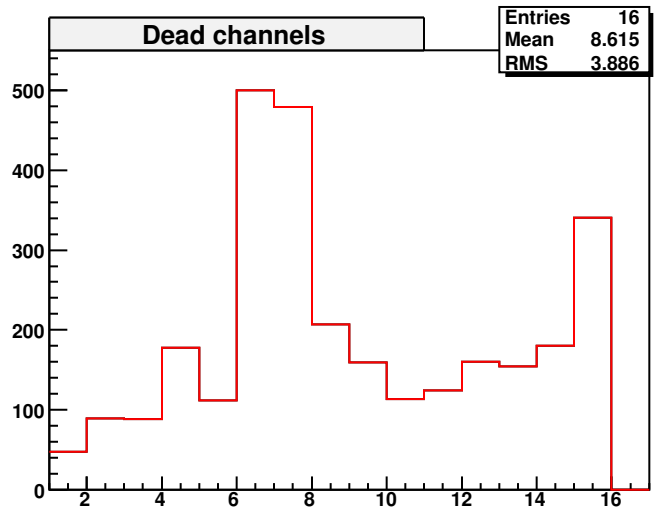
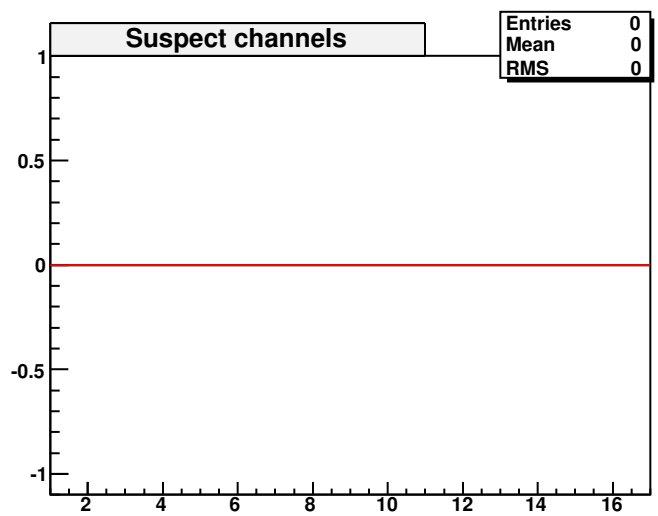
6
SmtClusters (allHDiskTClusters)

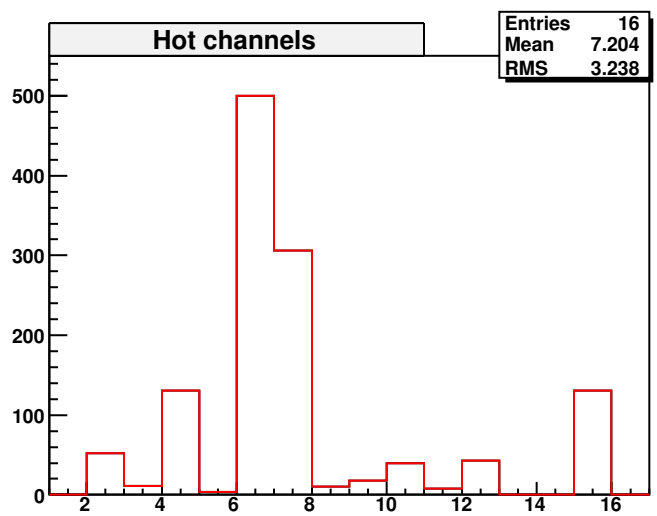




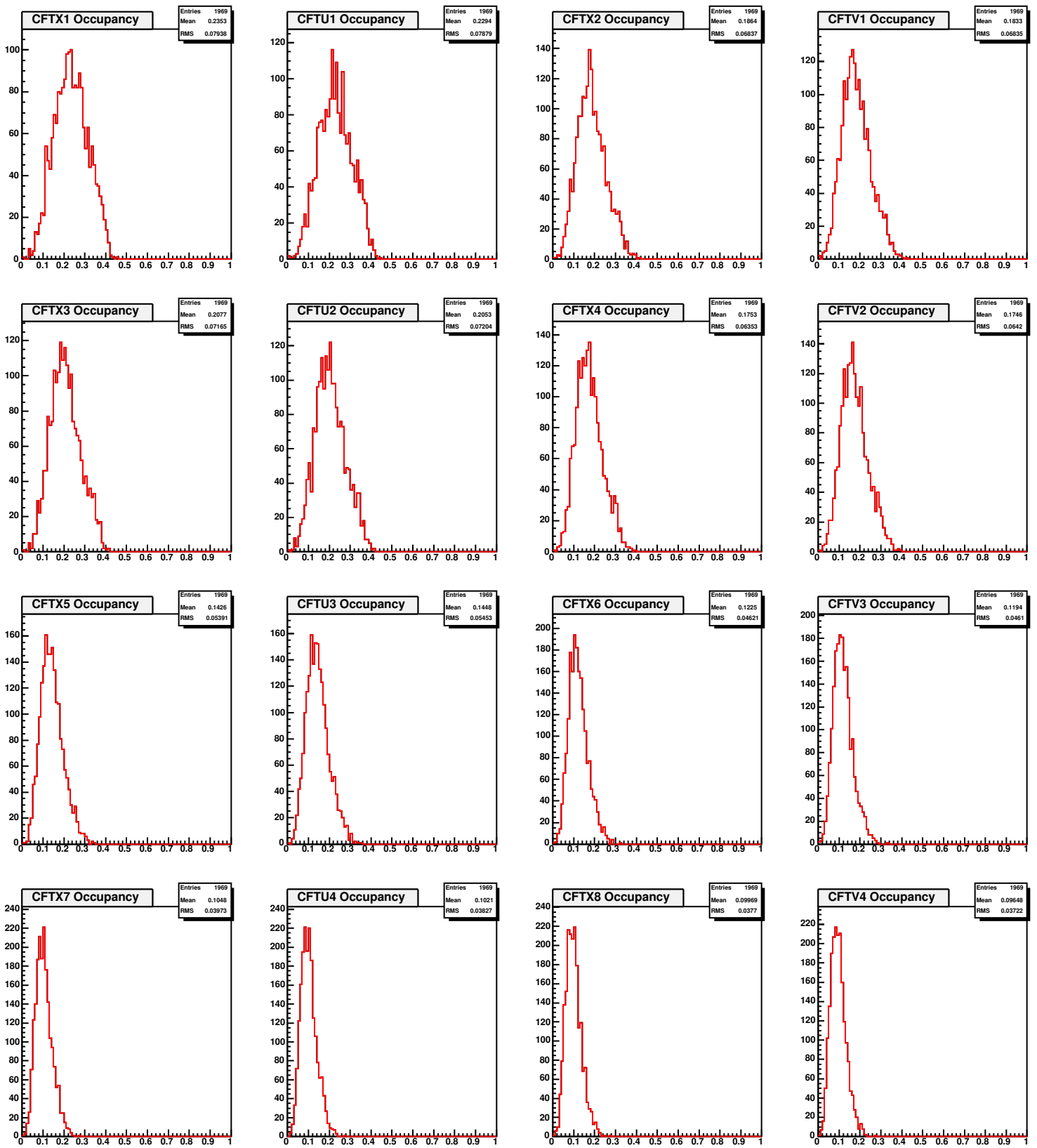




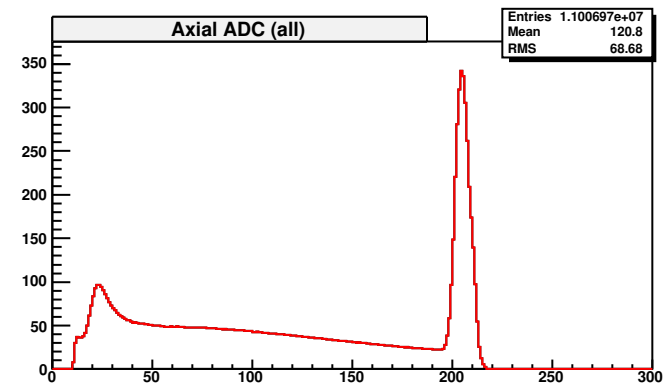


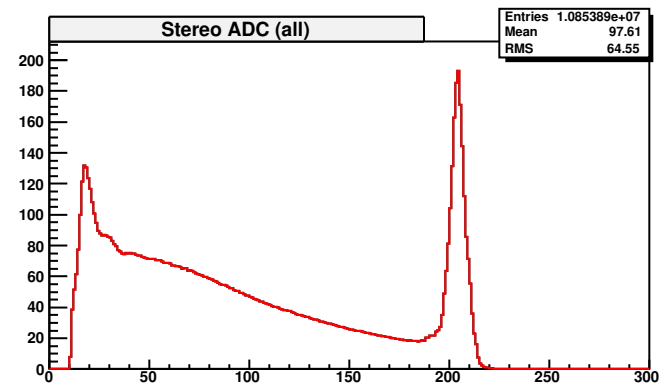


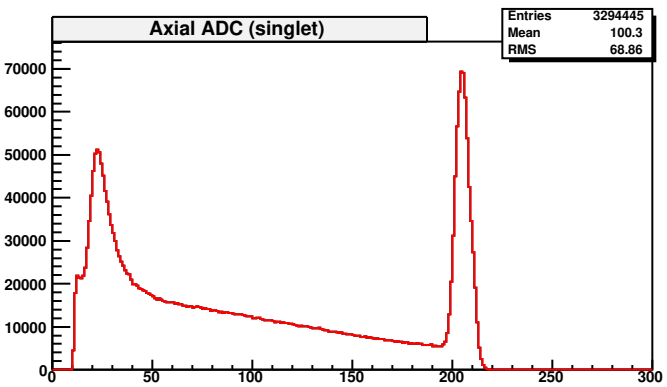
CFT Summary (All Clusters)

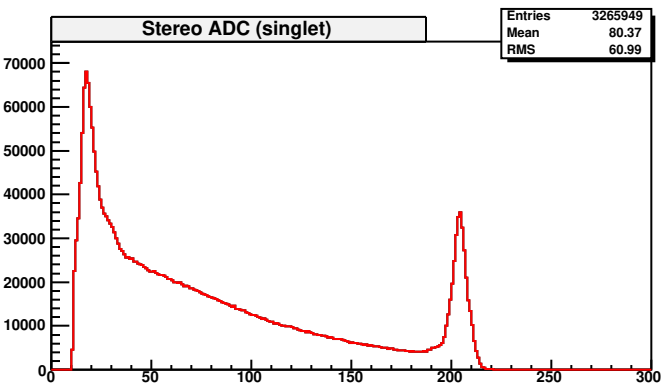


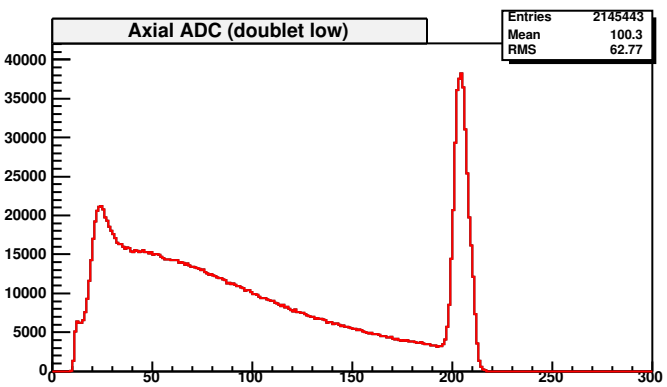
CFT Occupancy (All Clusters)

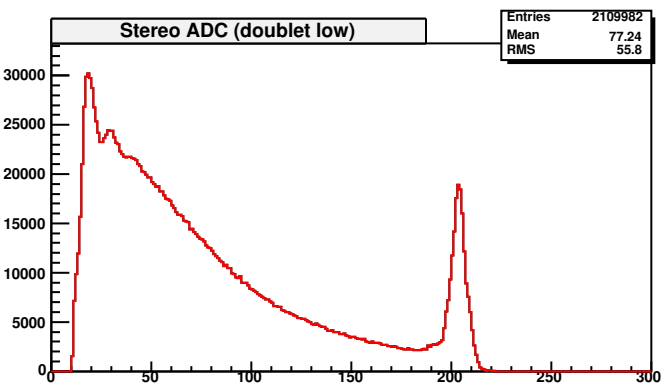


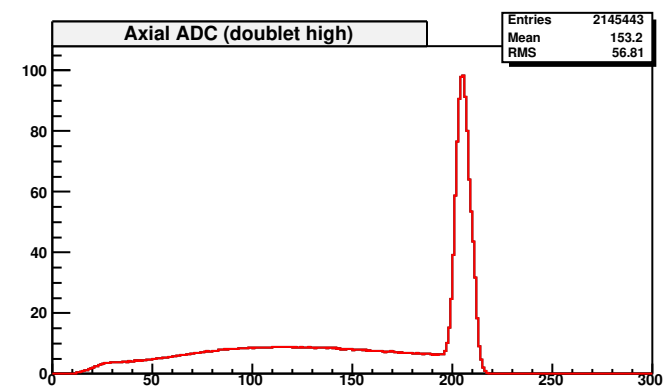


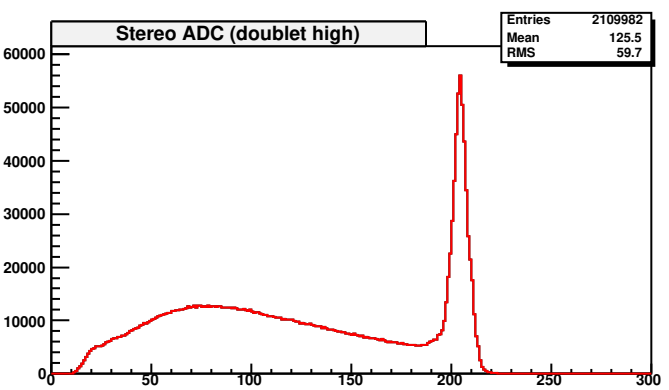




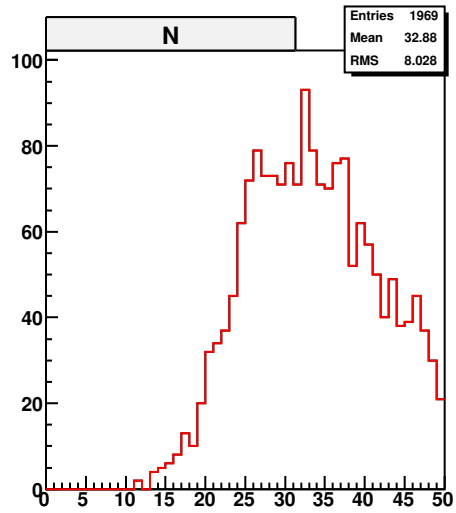


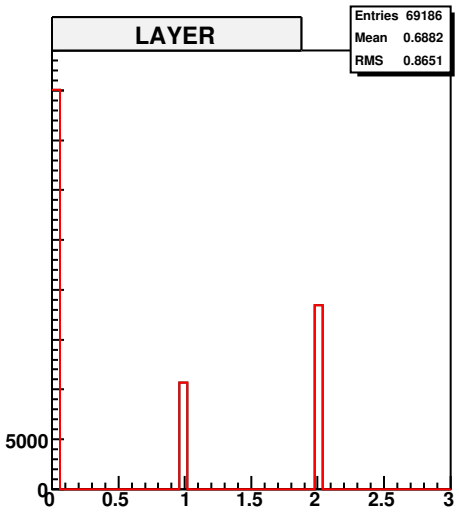


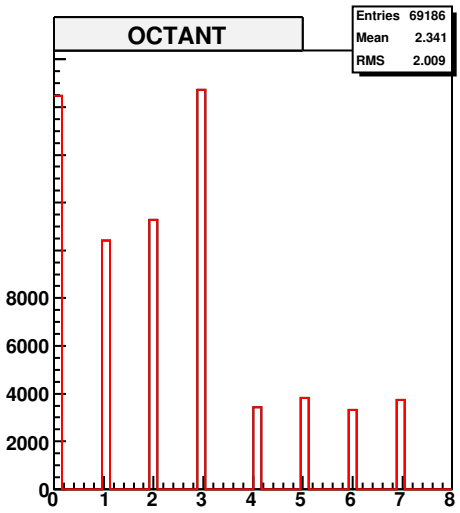


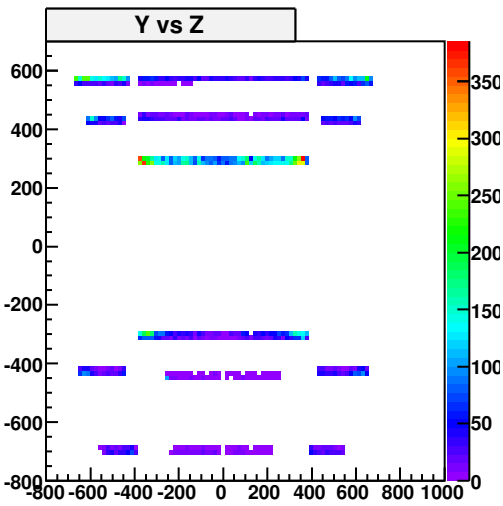


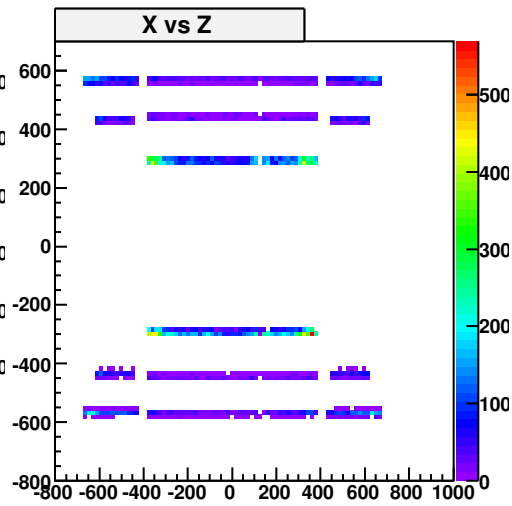
CFT ADC Summary (All Clusters)

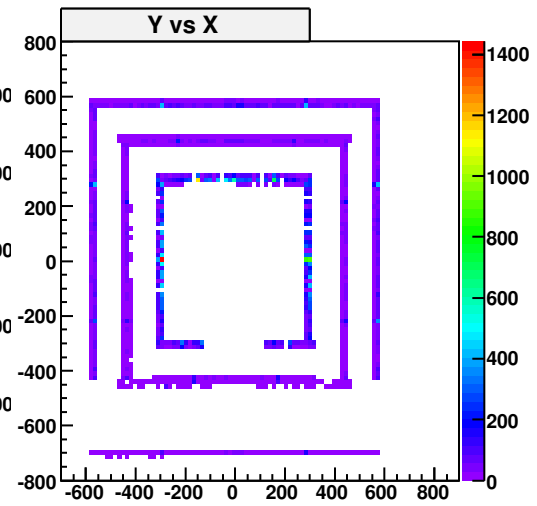

N
Entries 1969
Mean 32.88
RMS 8.028

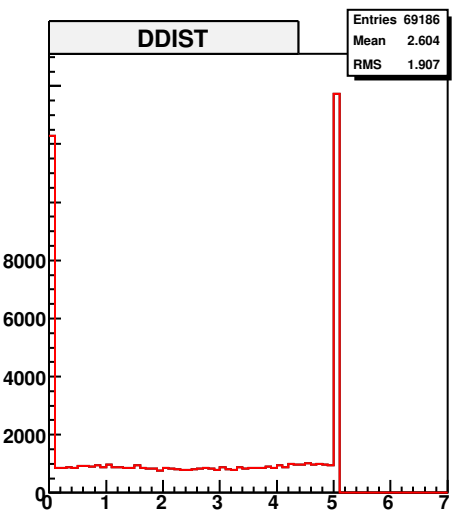

LAYER
Entries 69186
Mean 0.6882
RMS 0.8651

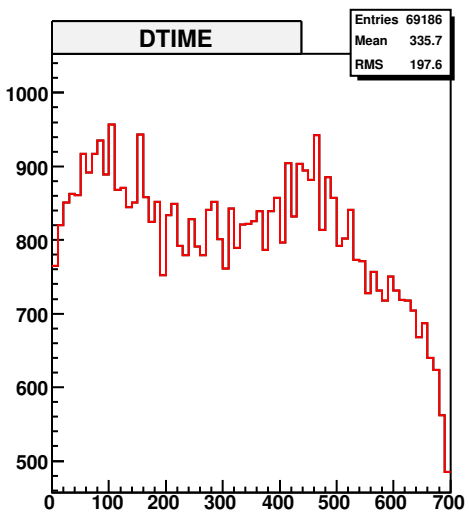

OCTANT
Entries 69186
Mean 2.341
RMS 2.009


Y vs Z

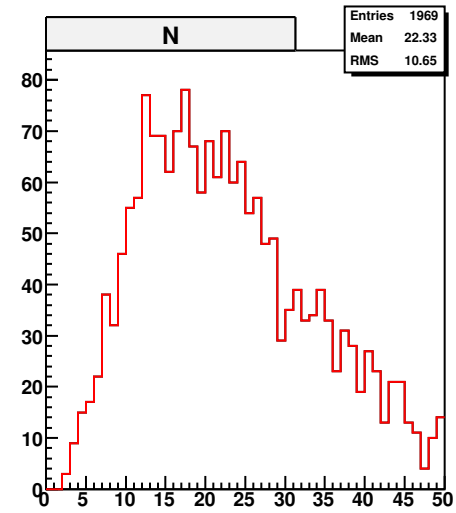

X vs Z

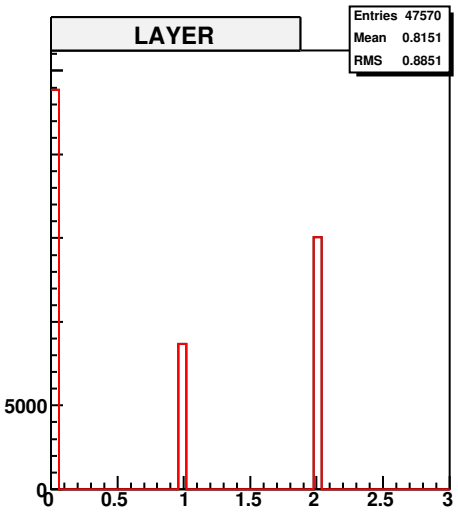

Y vs X

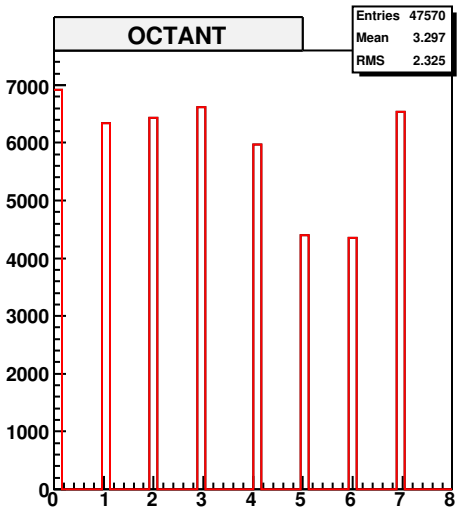

DDIST
Entries 69186
Mean 2.604
RMS 1.907

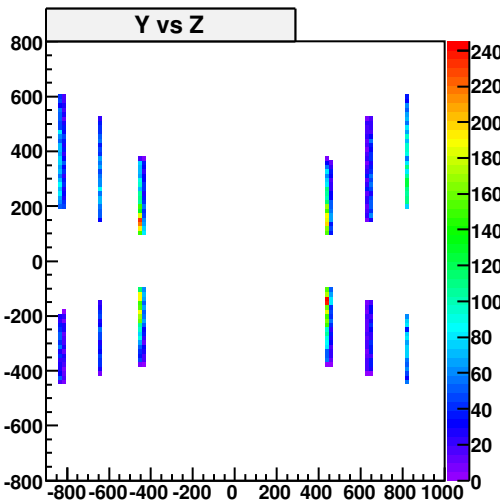

DTIME
Entries 69186
Mean 335.7
RMS 197.6

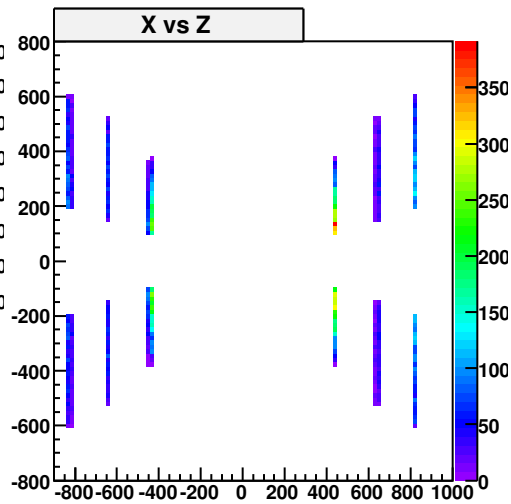
MuonPDT (All)

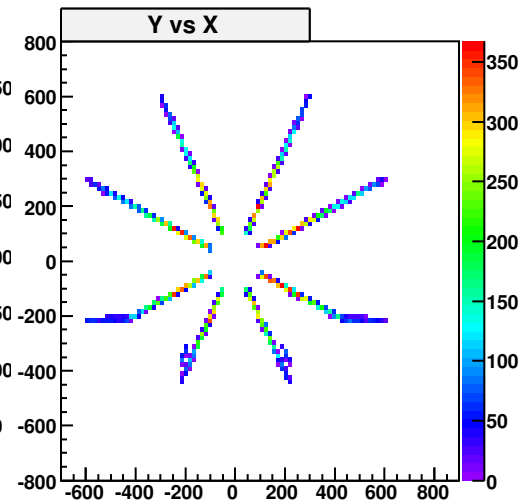

N
Entries 1969
Mean 22.33
RMS 10.65

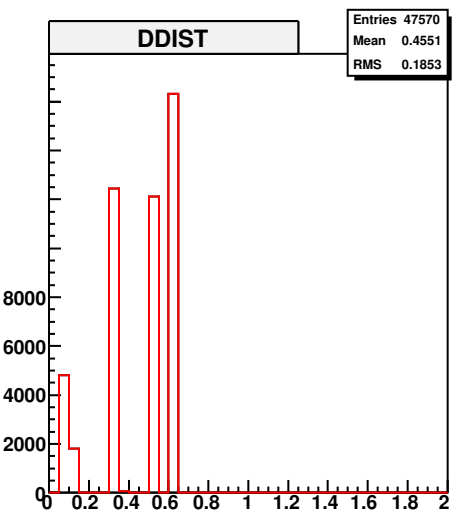

LAYER
Entries 47570
Mean 0.8151
RMS 0.8851

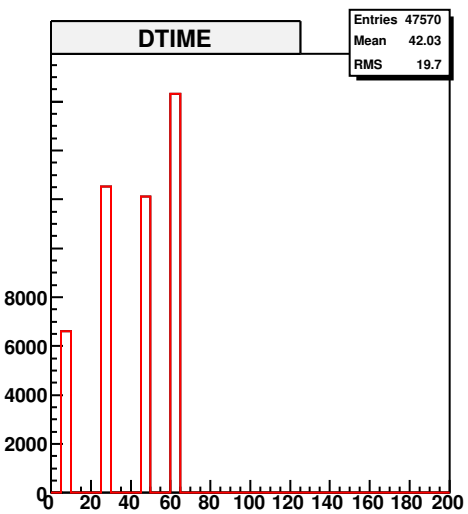

OCTANT
Entries 47570
Mean 3.297
RMS 2.325


Y vs Z

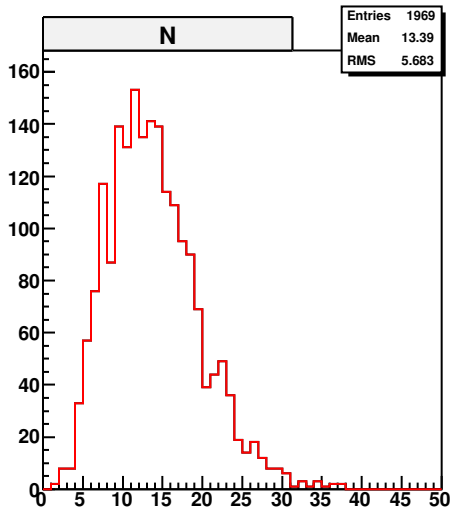

X vs Z

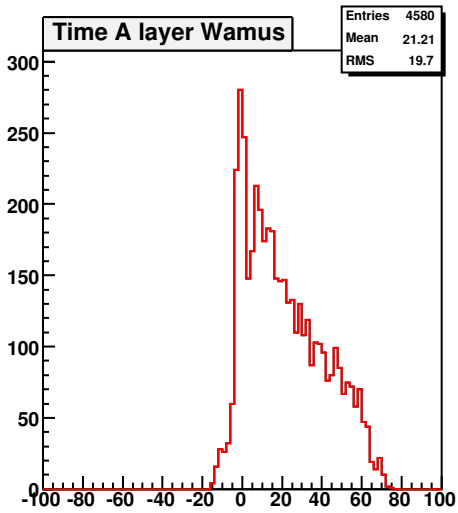

Y vs X

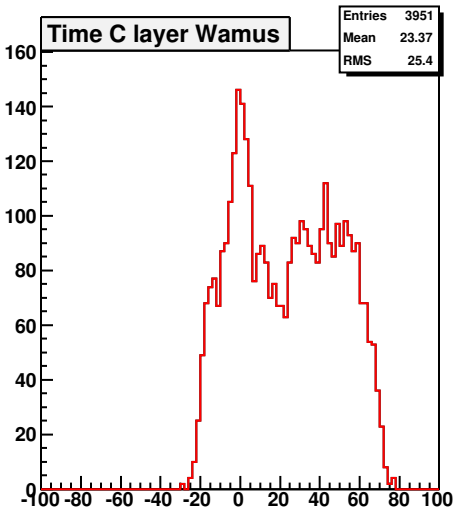

DDIST
Entries 47570
Mean 0.4551
RMS 0.1853

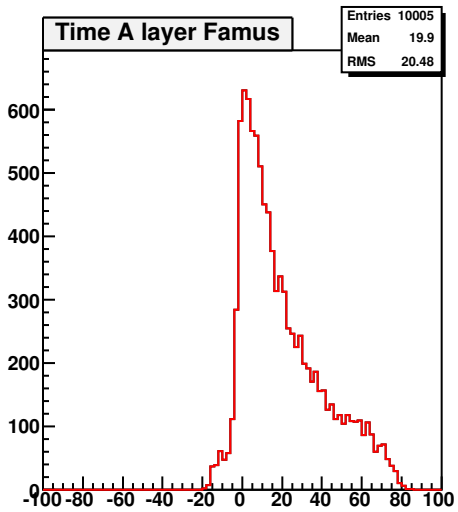

DTIME
Entries 47570
Mean 42.03
RMS 19.7

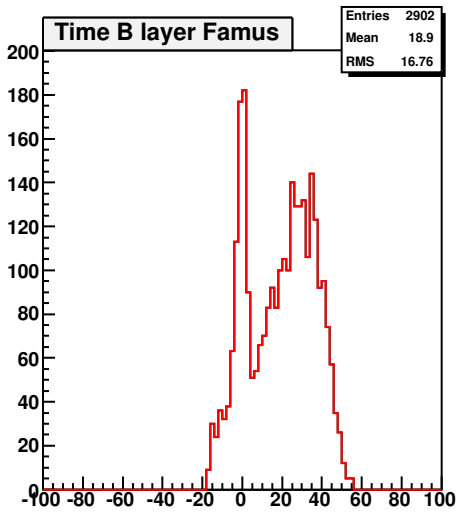
MuonMDT (All)

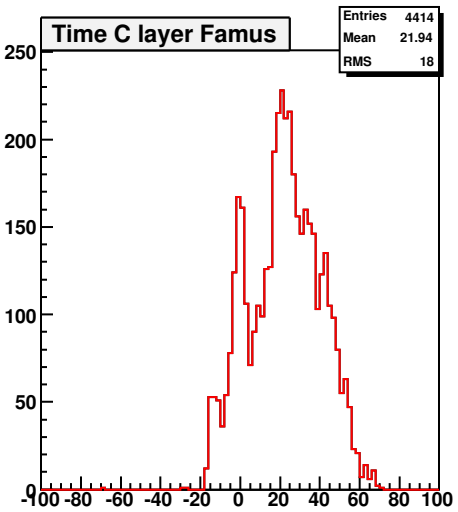

N
Entries 1969
Mean 13.39
RMS 5.683

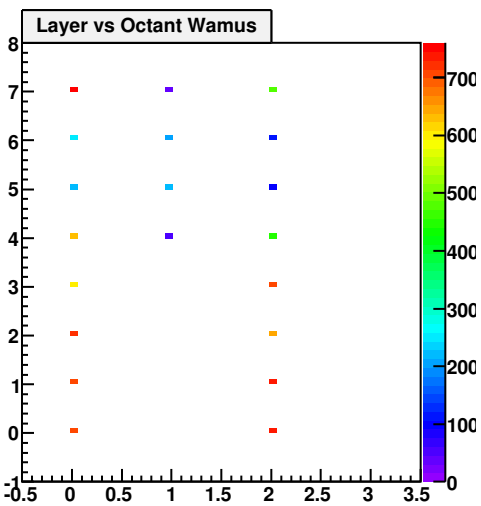

Time A layer Wamus
Entries 4580
Mean 21.21
RMS 19.7

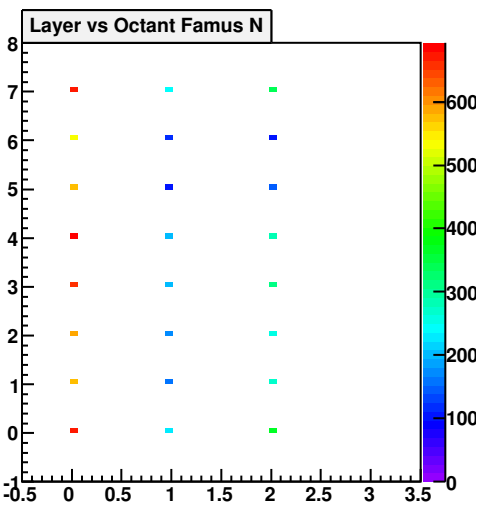

Time C layer Wamus
Entries 3951
Mean 23.37
RMS 25.4

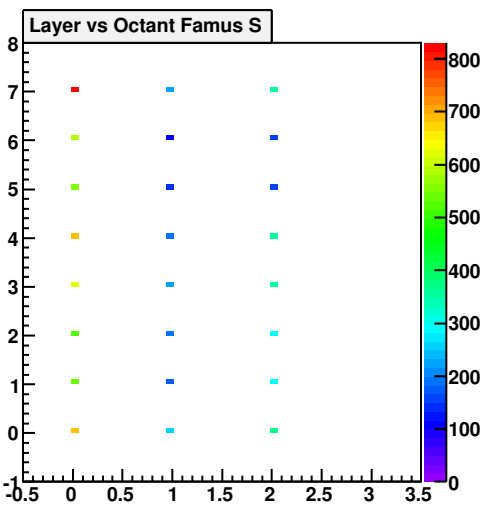

Time A layer Famus
Entries 10005
Mean 19.9
RMS 20.48


Time B layer Famus
Entries 2902
Mean 18.9
RMS 16.76

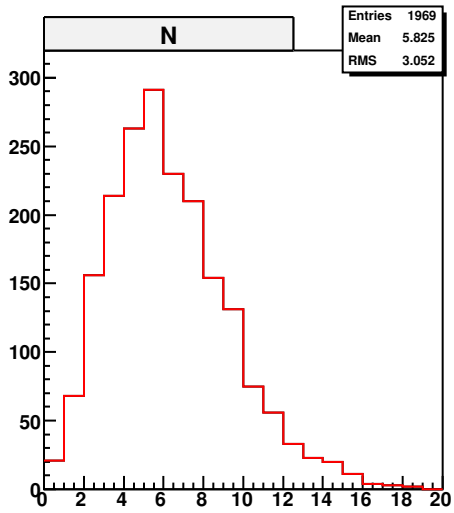

Time C layer Famus
Entries 4414
Mean 21.94
RMS 18

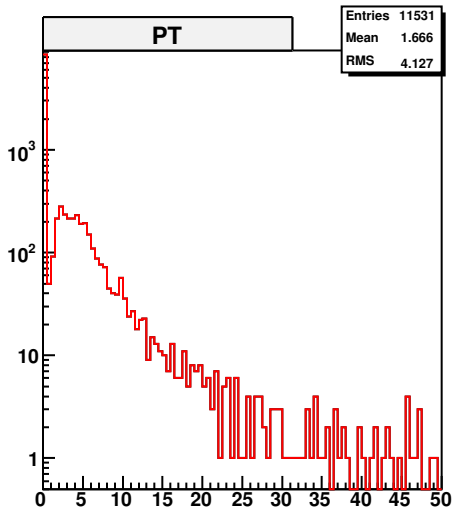

Layer vs Octant Wamus

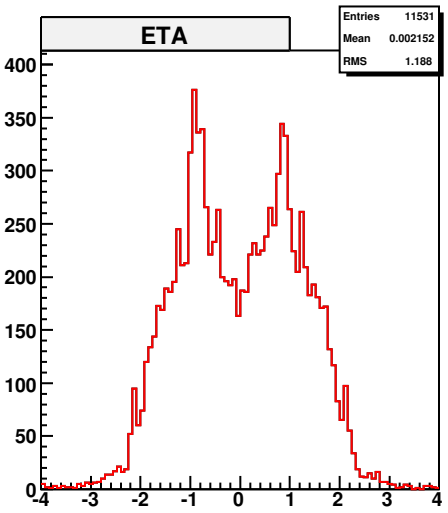

Layer vs Octant Famus N

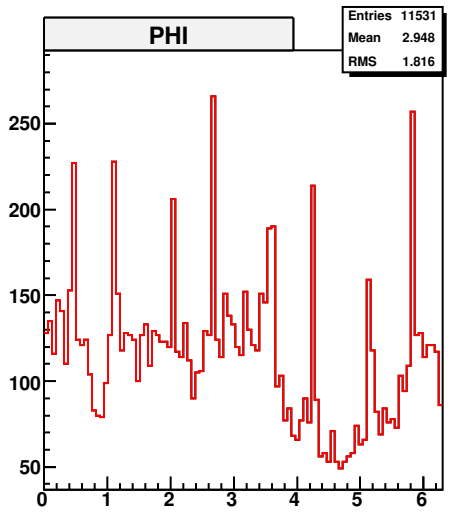

Layer vs Octant Famus S

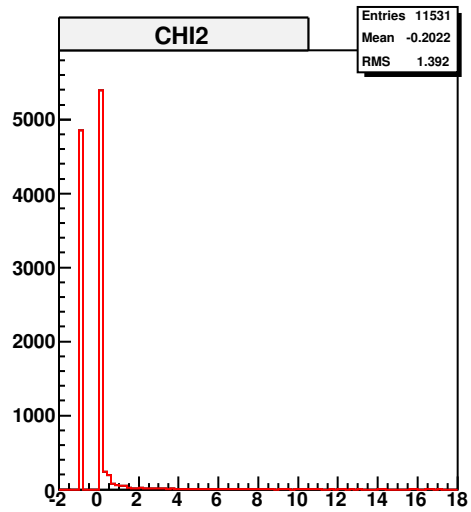
MuonMSC (All)

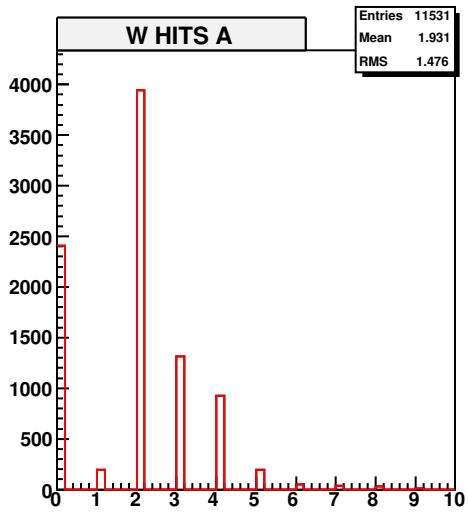


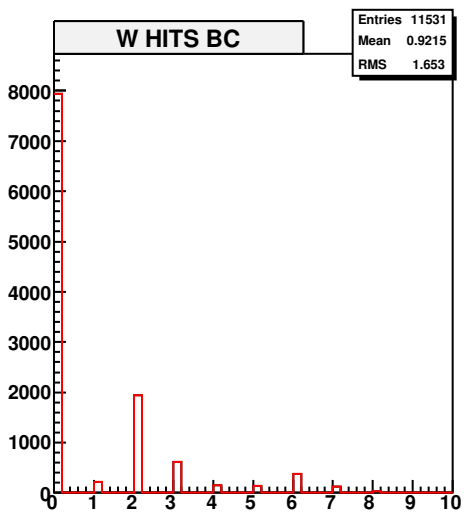


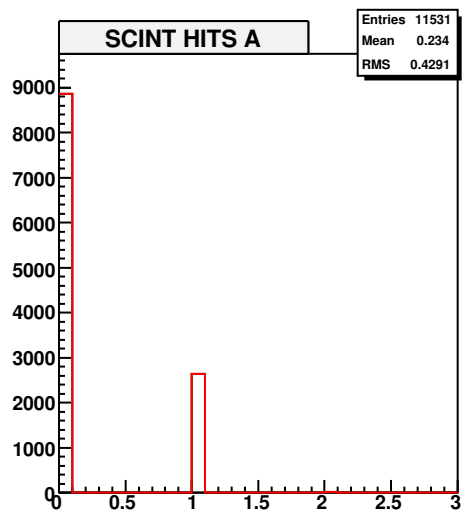


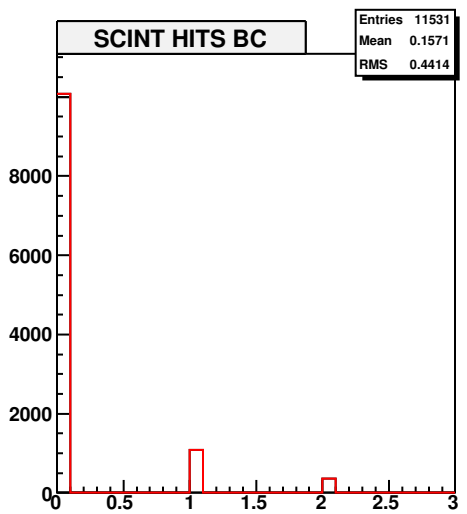




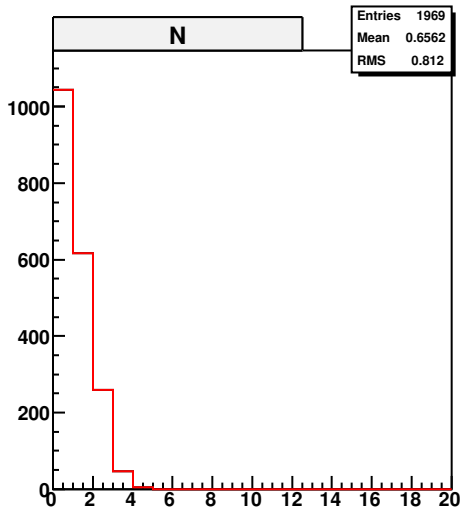


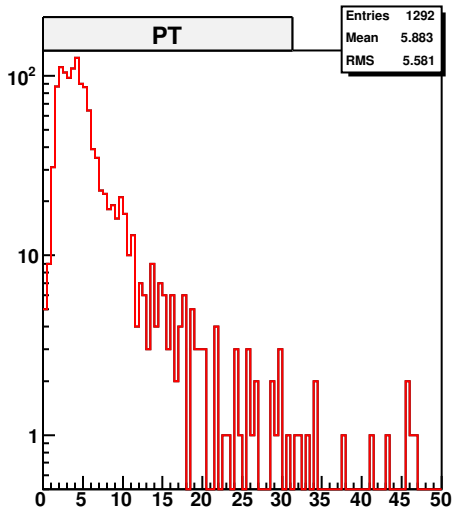


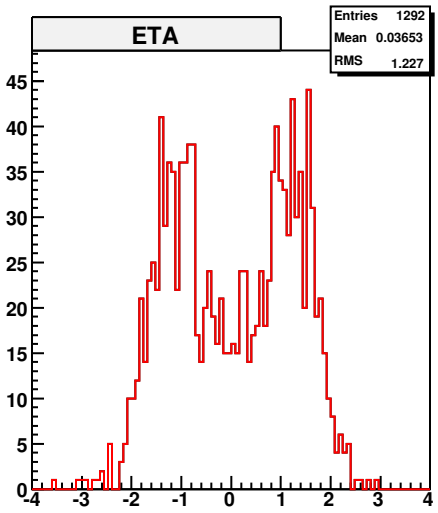


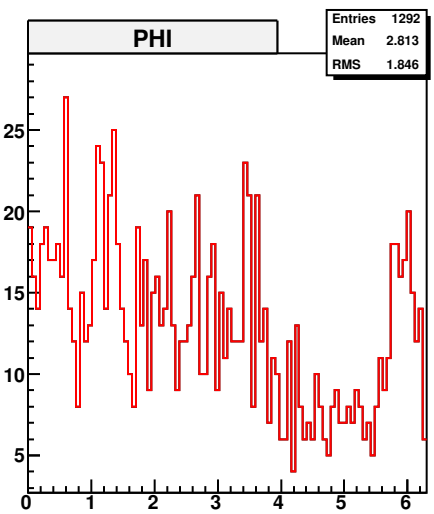


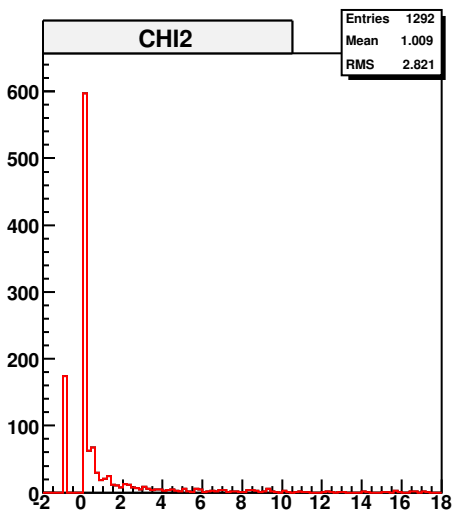
Muon Local Tracks (All)

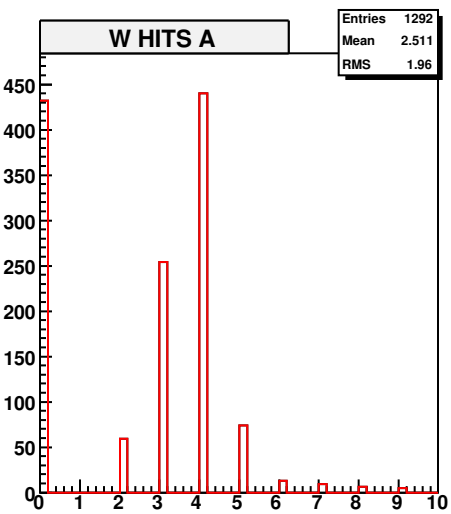


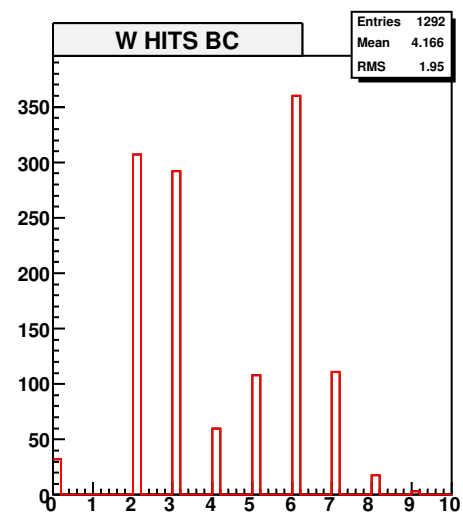


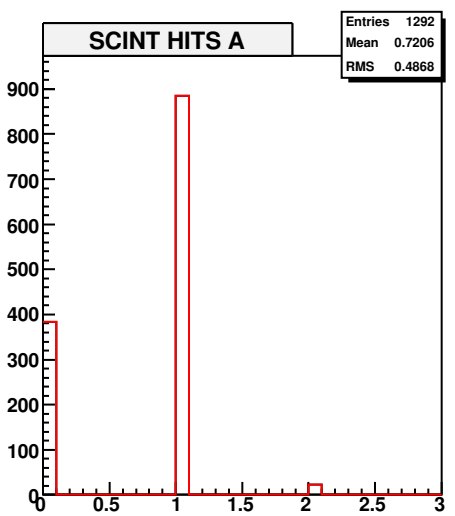


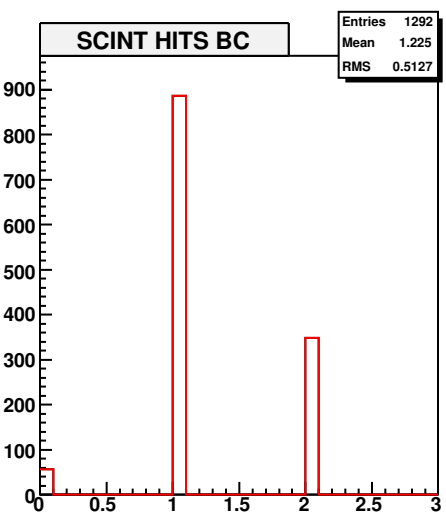




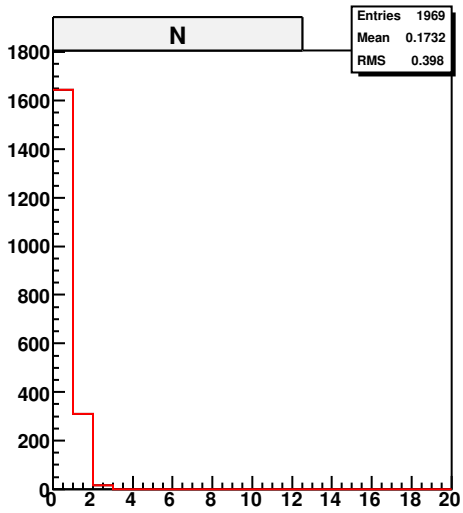


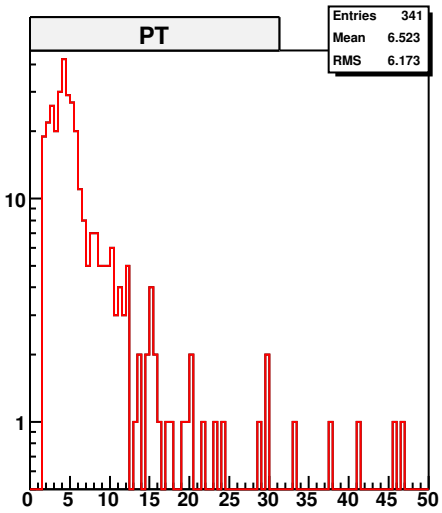


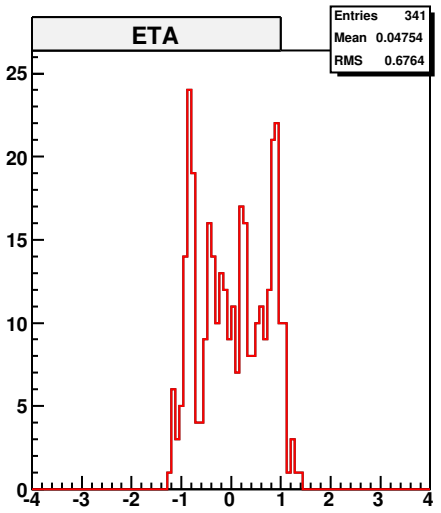


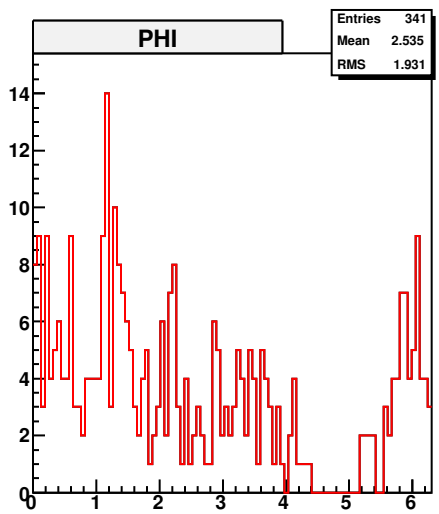


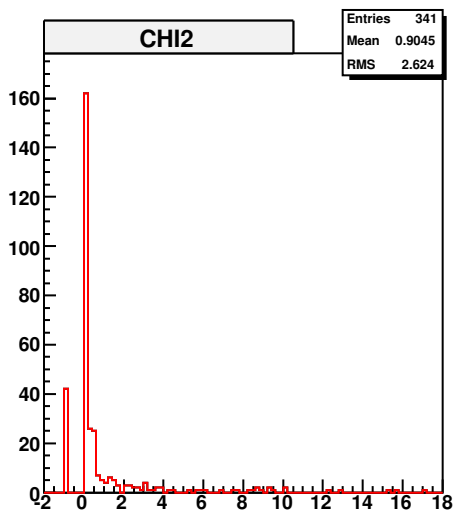
Muon Local Tracks (LooseWamus)

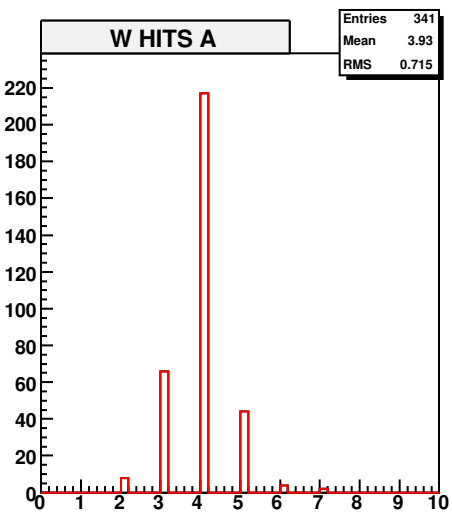


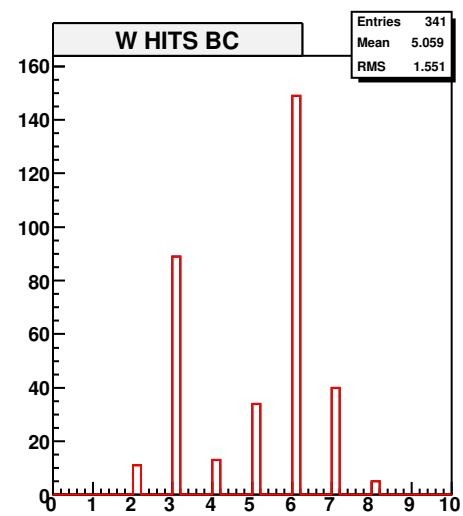


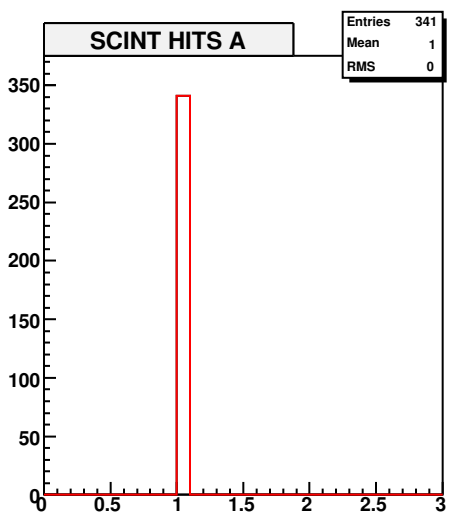


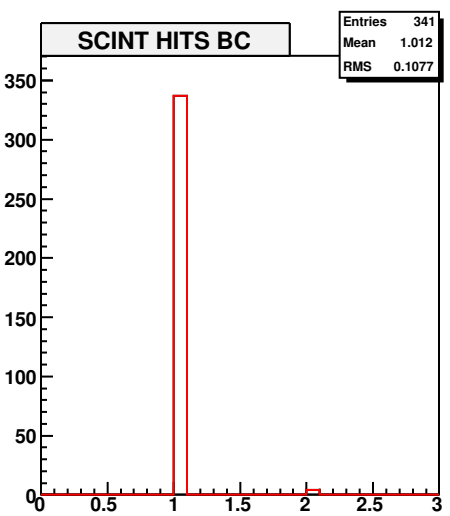




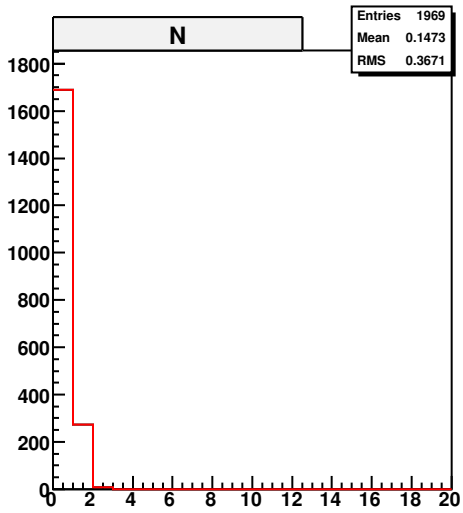


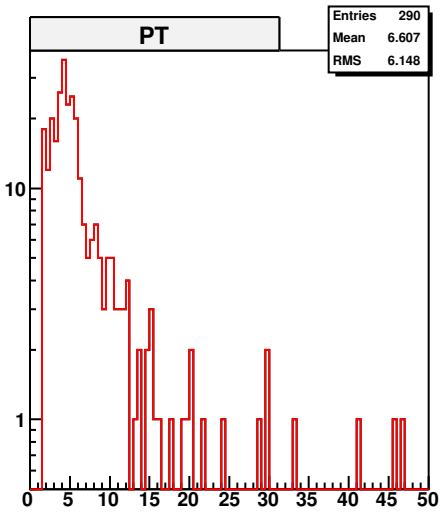


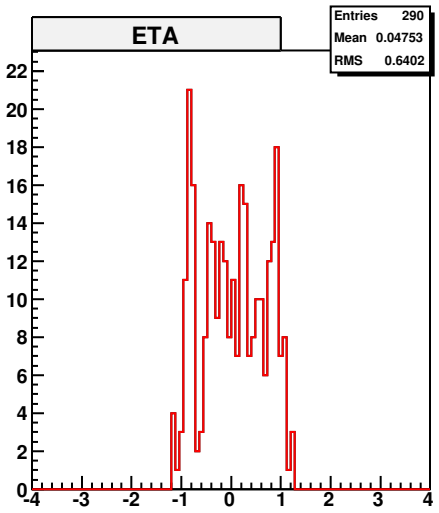


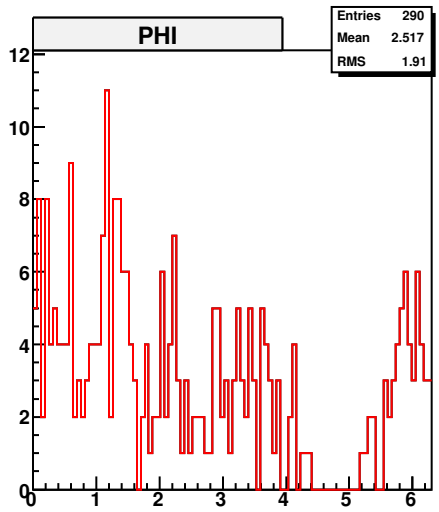


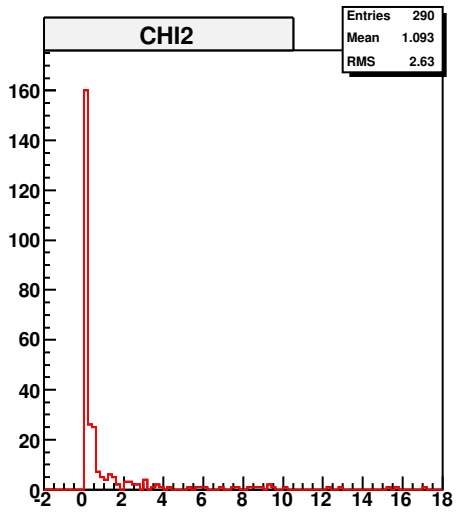
Muon Local Tracks (MediumWamus)

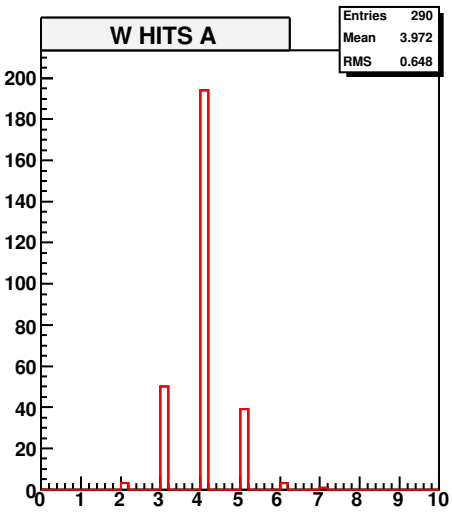


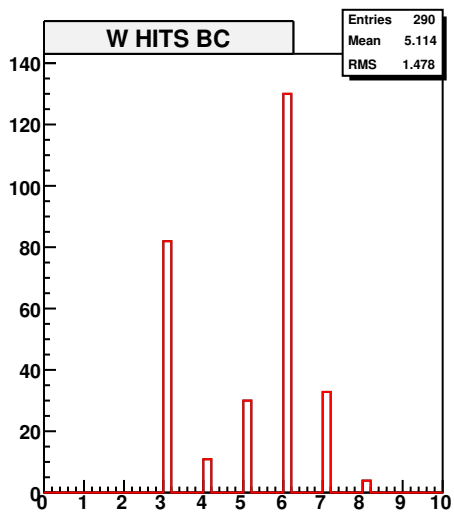


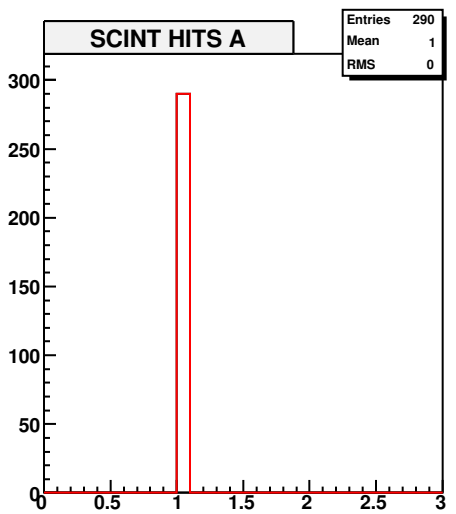


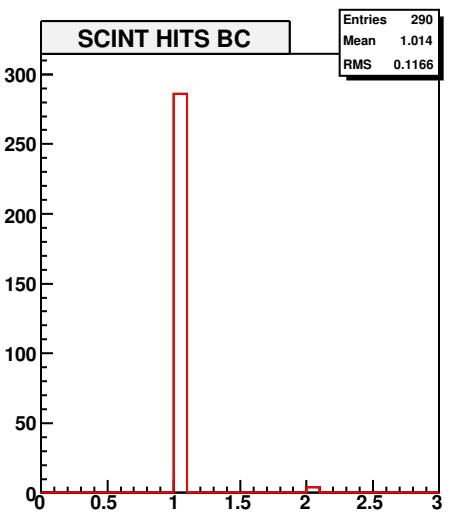




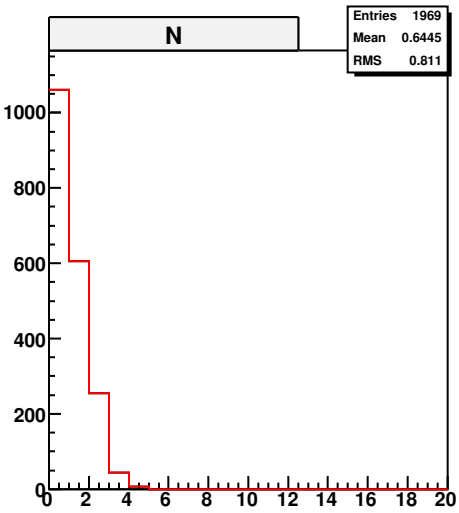


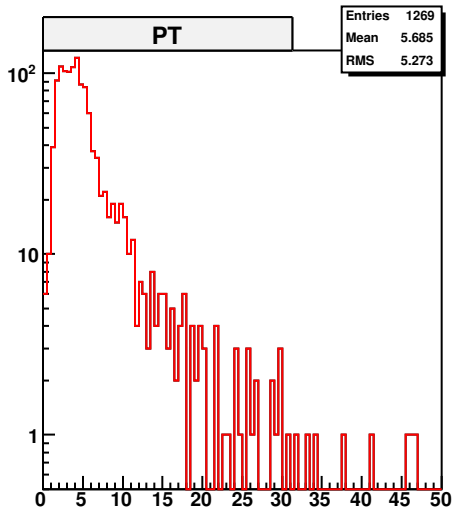


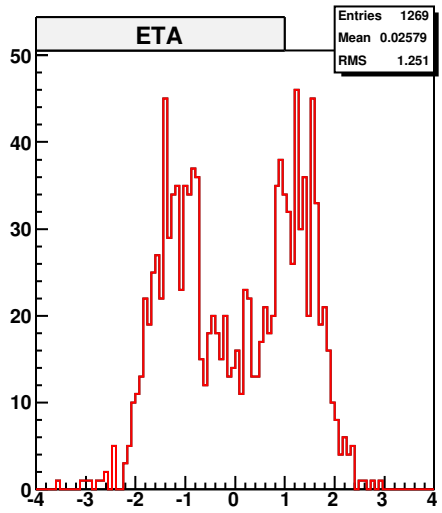


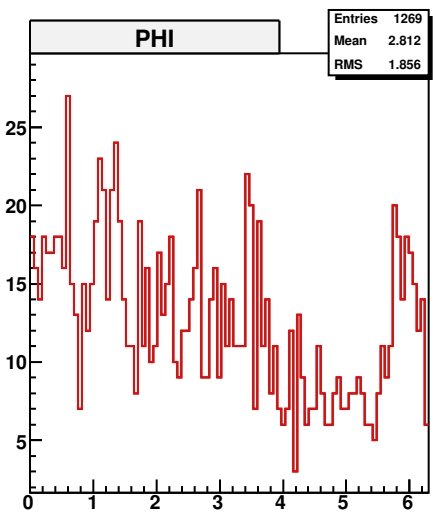


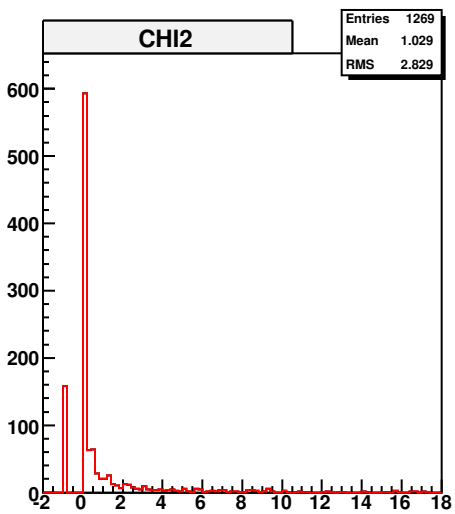
Muon Local Tracks (TightWamus)

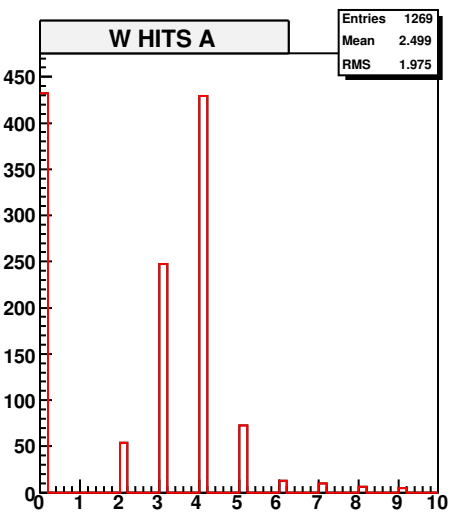


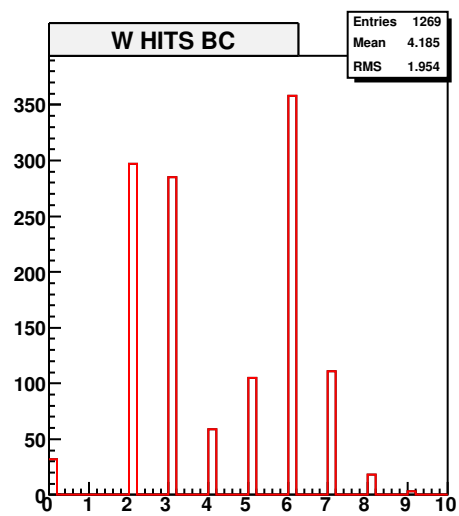


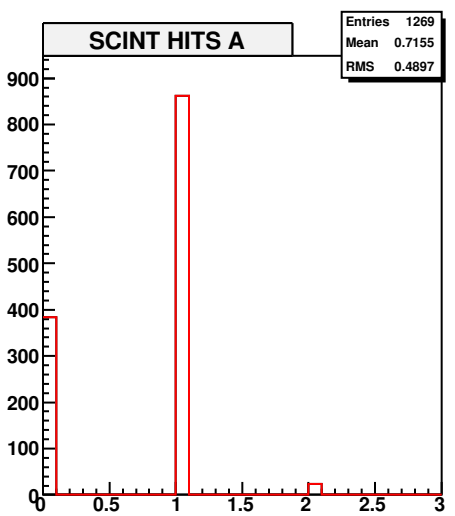


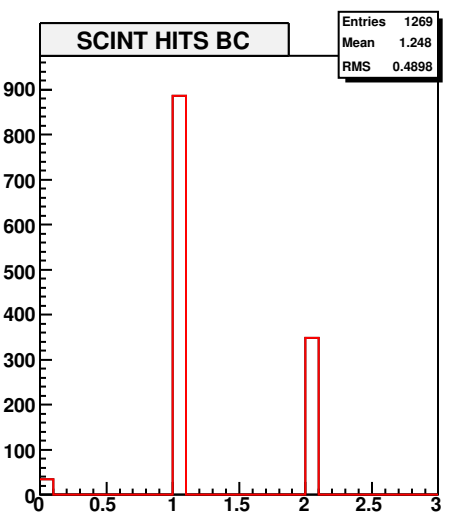




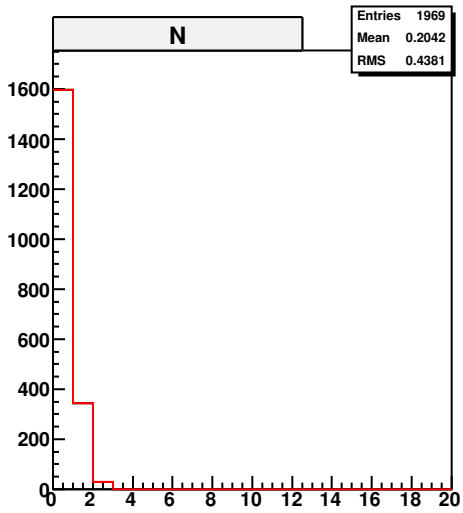


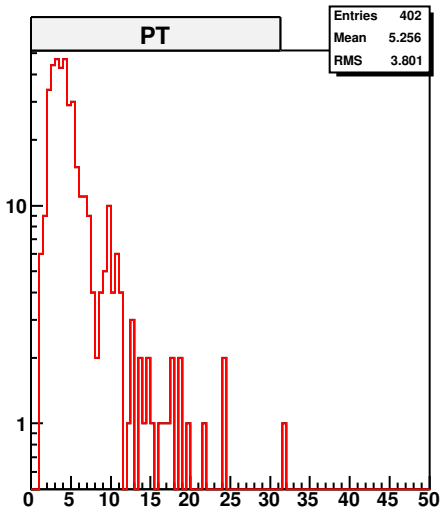


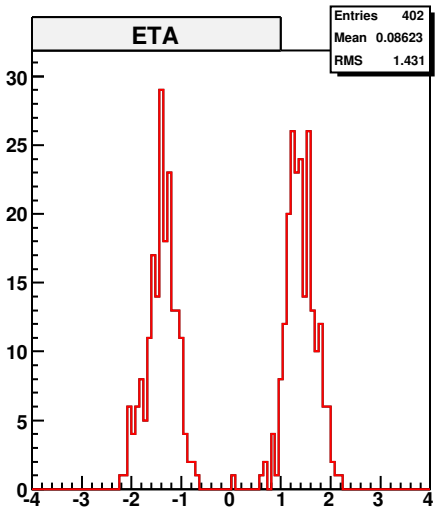


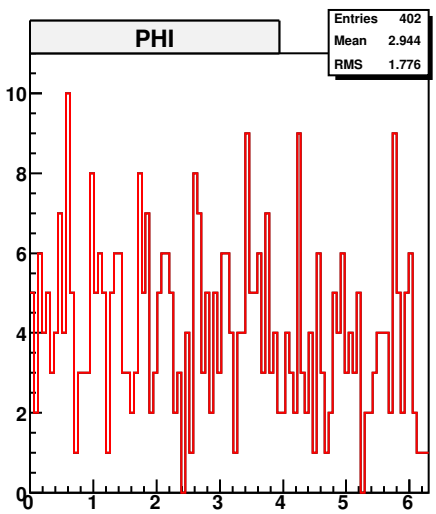


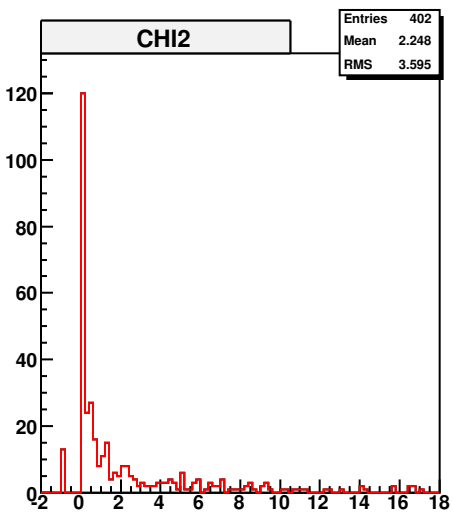
Muon Local Tracks (LooseFamus)

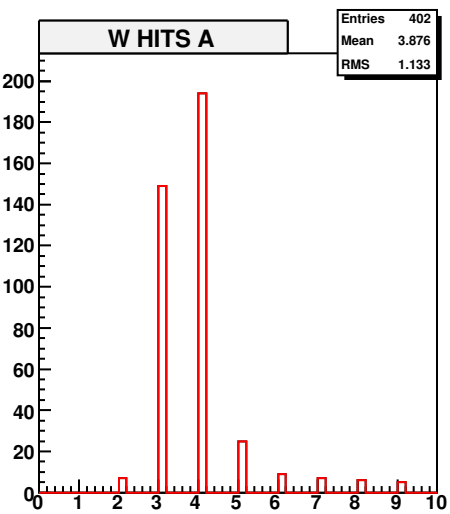


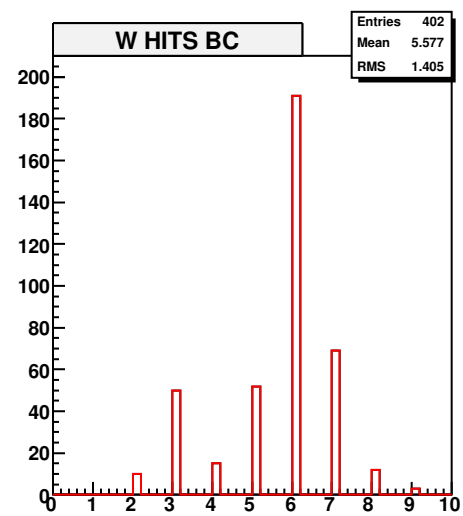


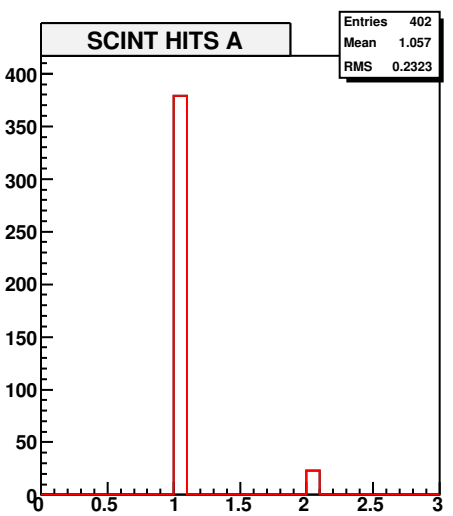


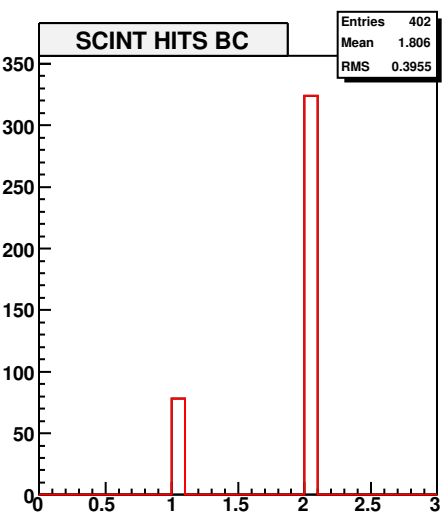




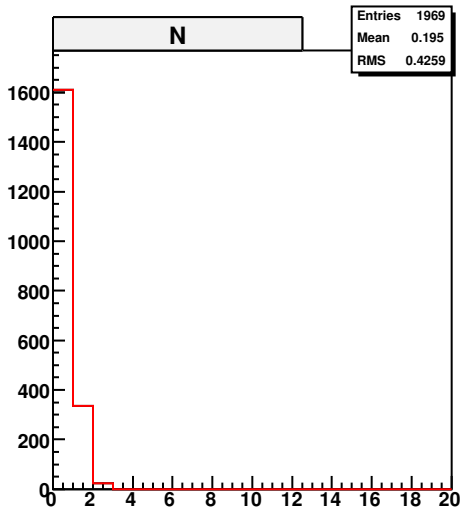


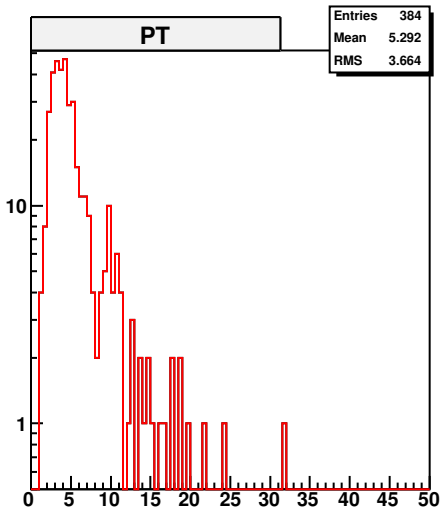


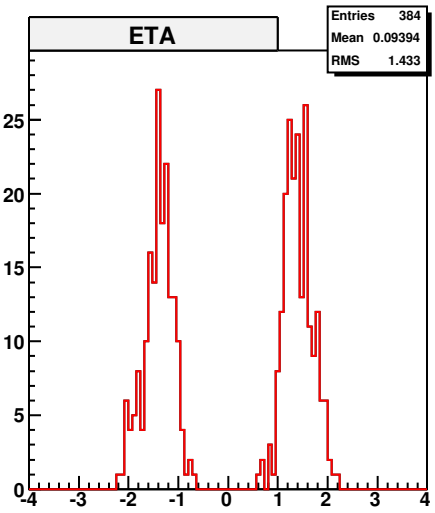


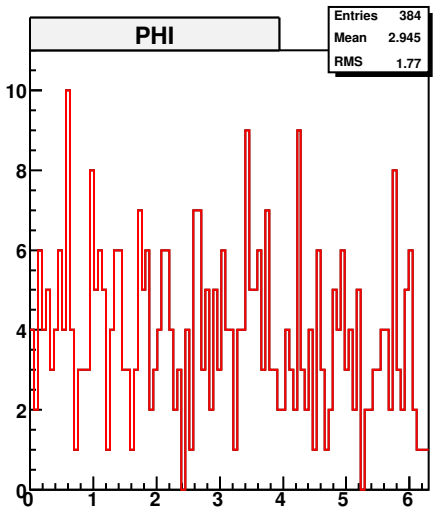


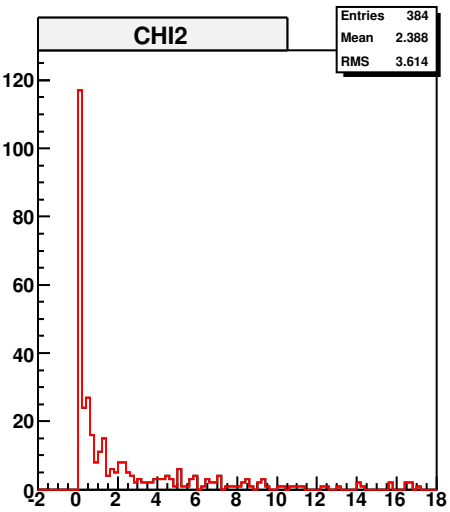
Muon Local Tracks (MediumFamus)

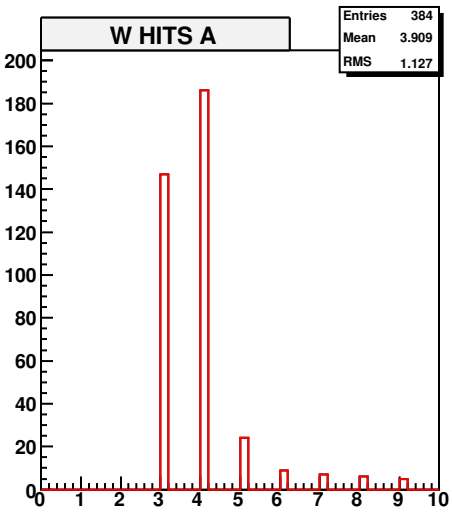


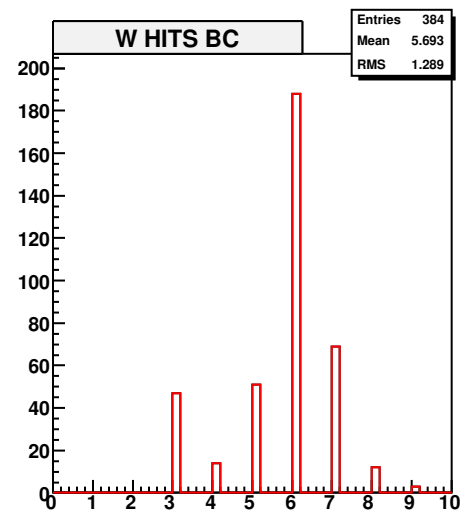


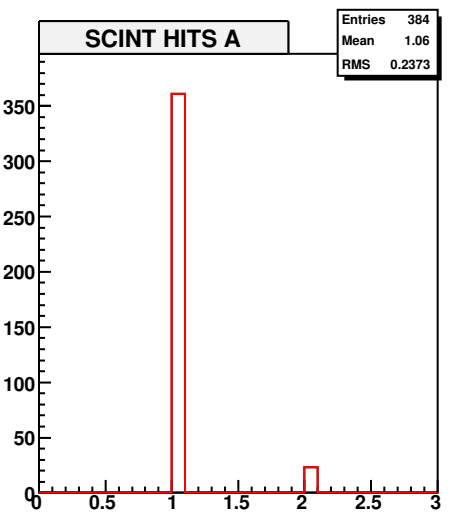


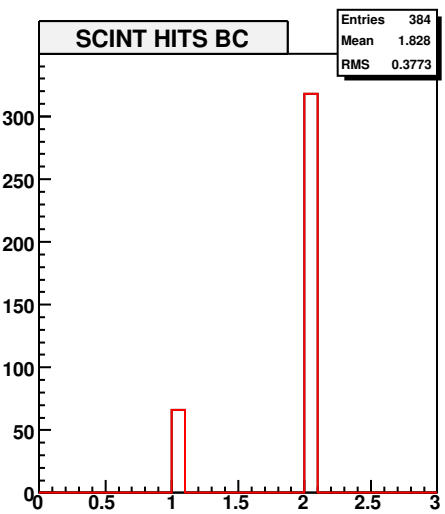




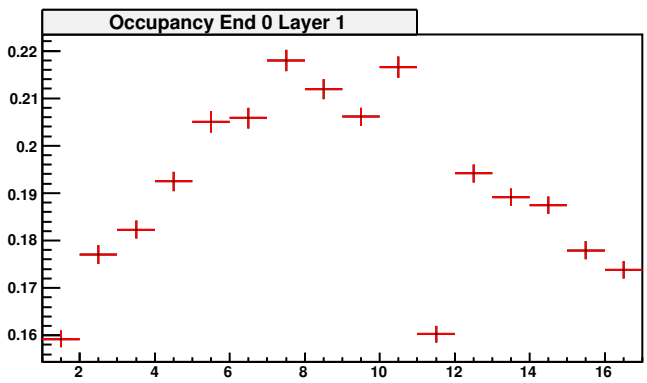


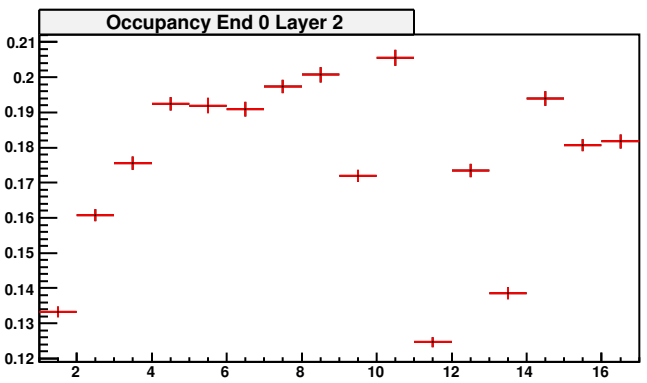


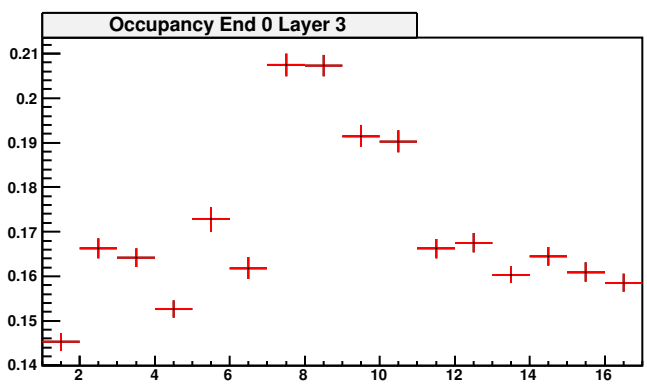


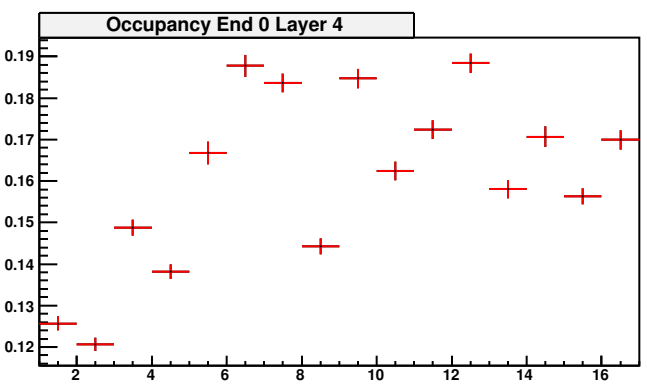


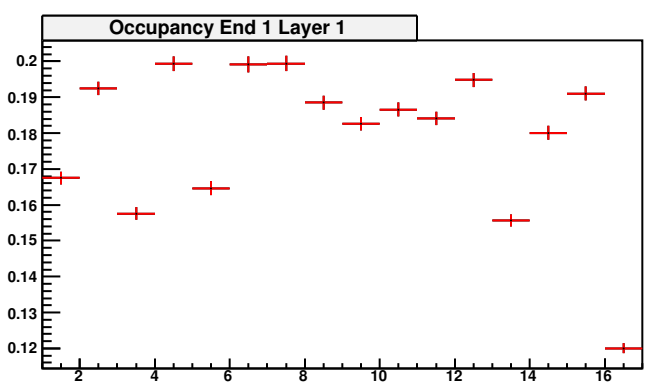
Muon Local Tracks (TightFamus)

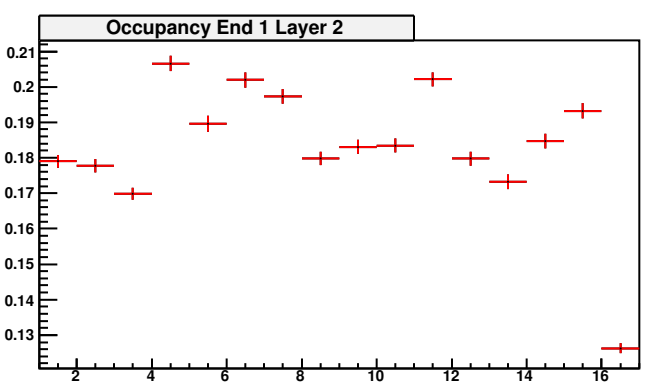


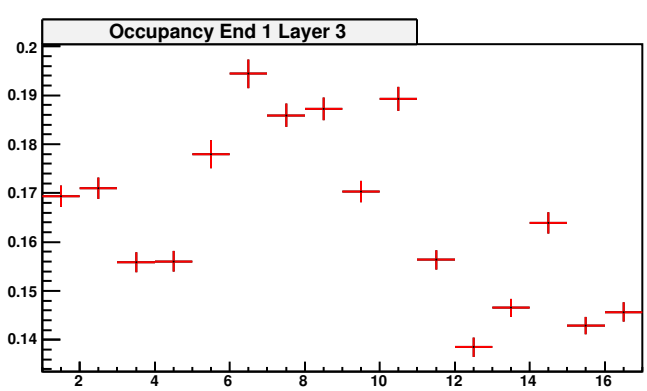


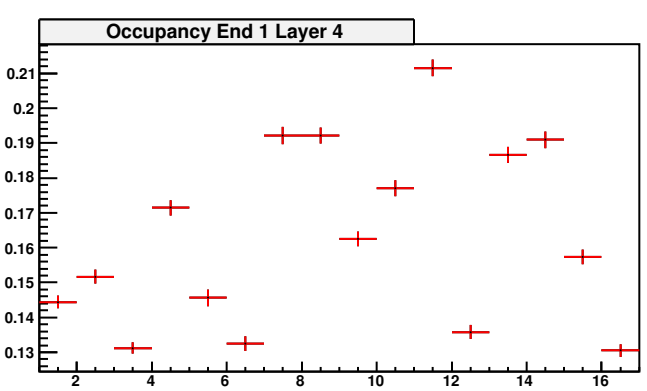




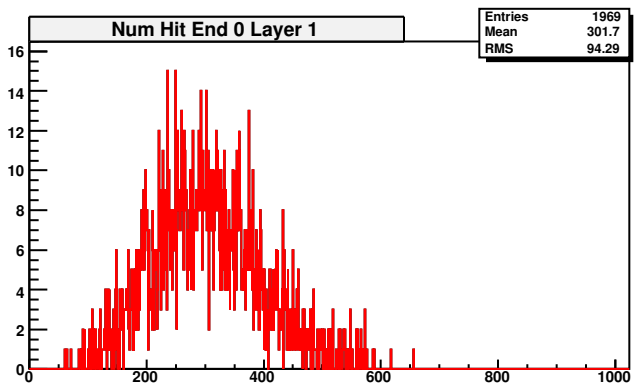


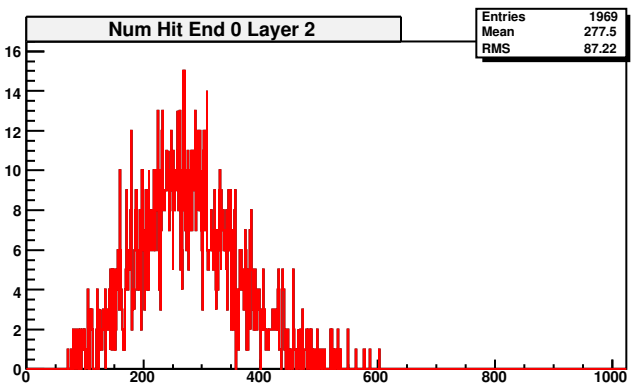


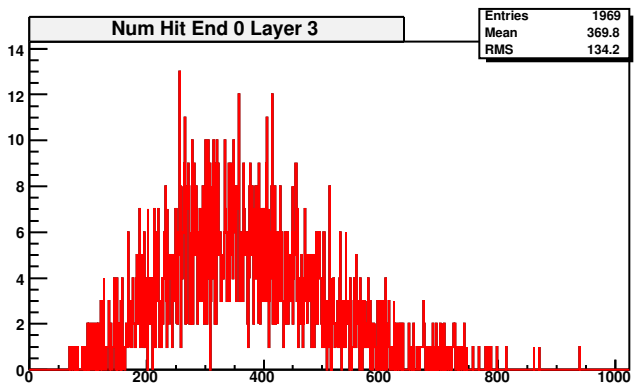


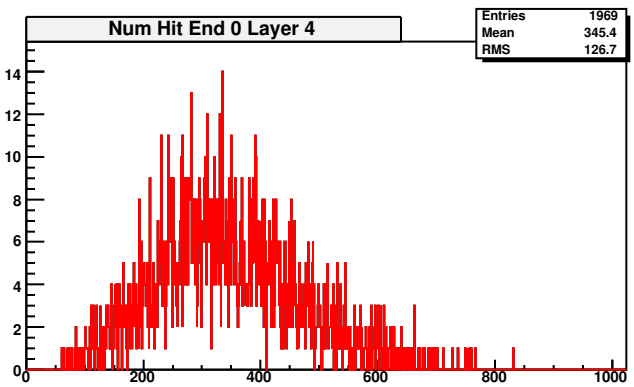


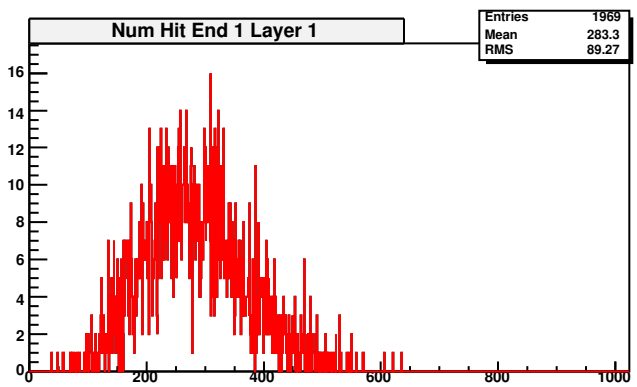
FPS Hit Occupancy (All)

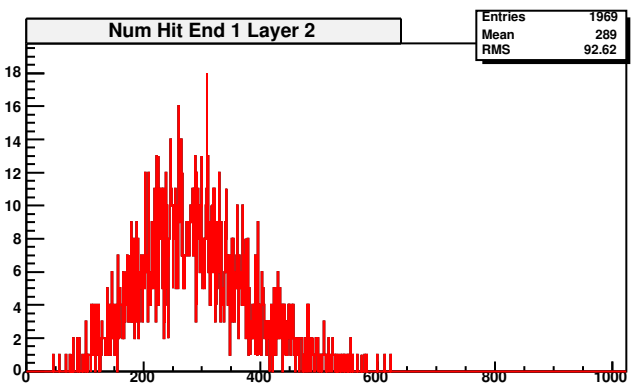


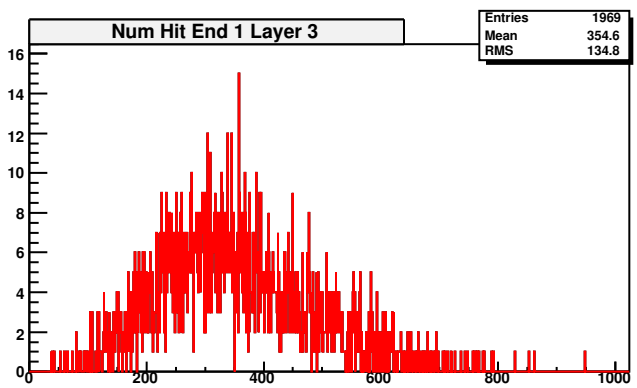


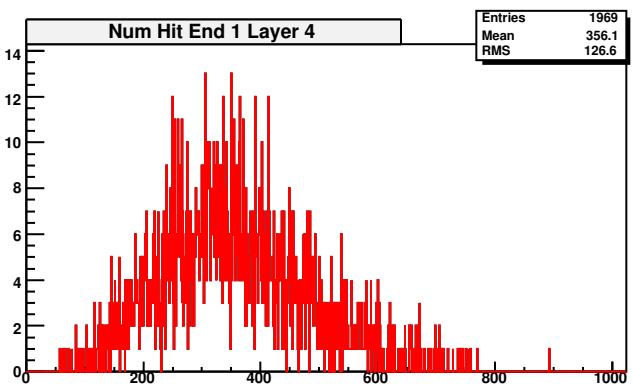




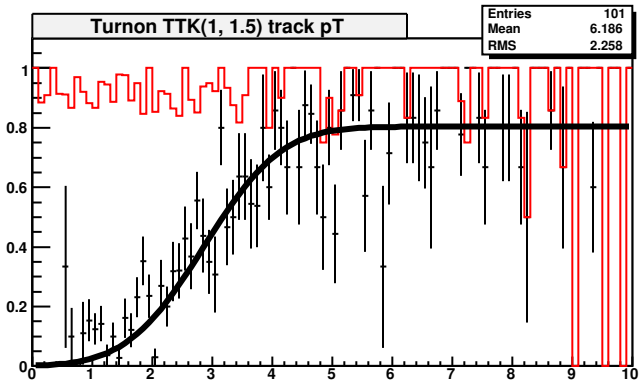


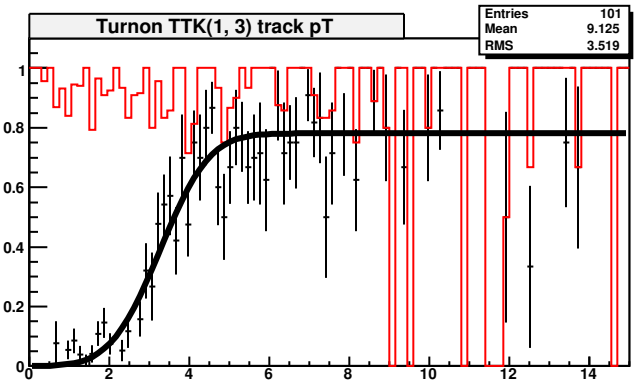


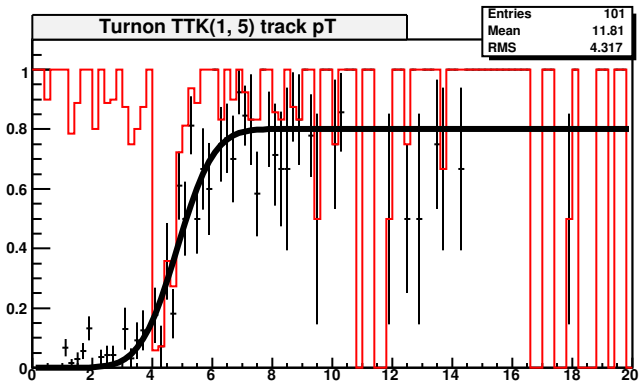


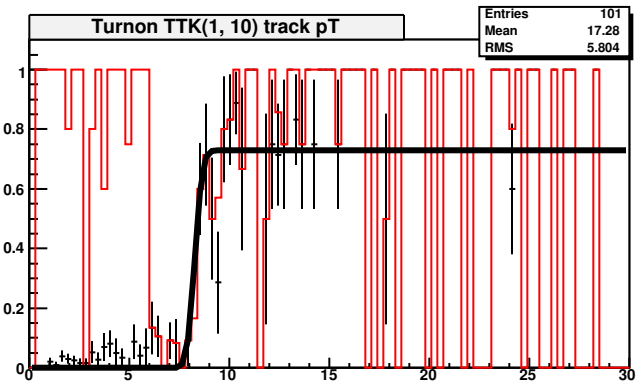


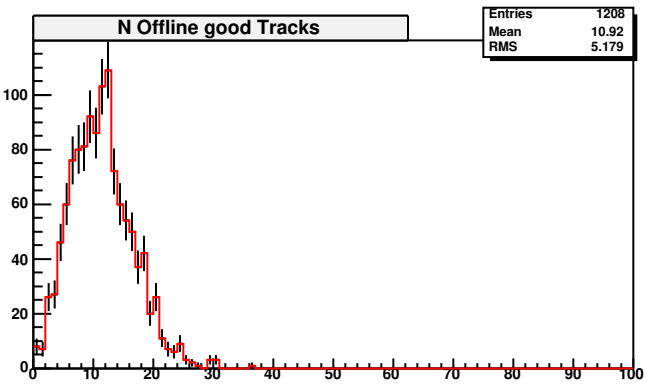
FPS Number of Hits (All)











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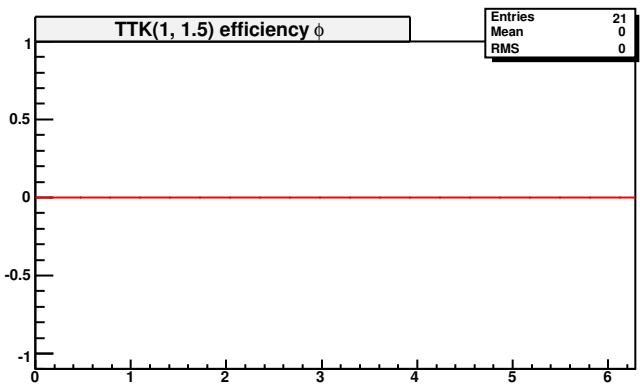

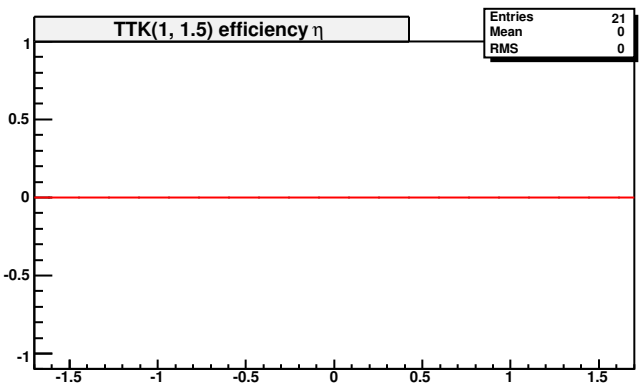

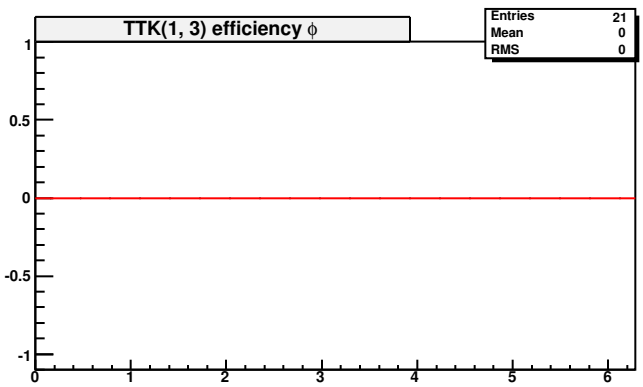

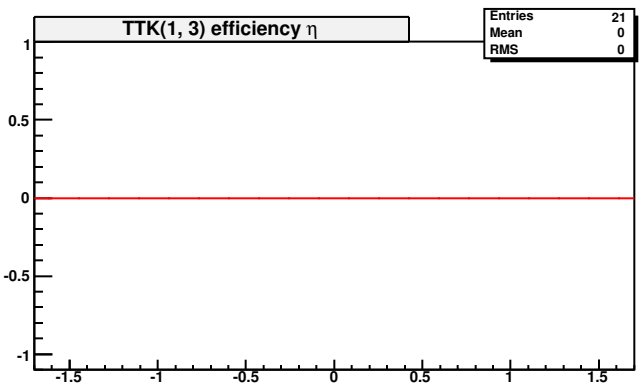

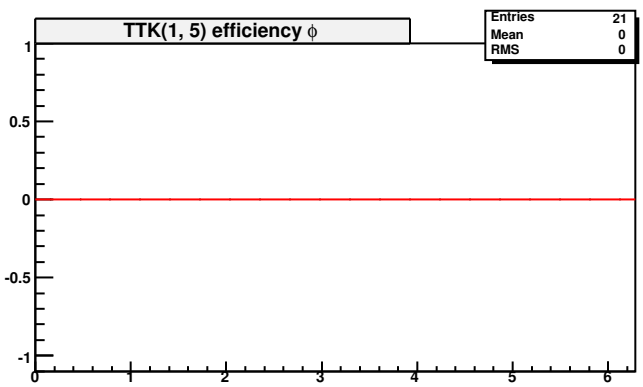

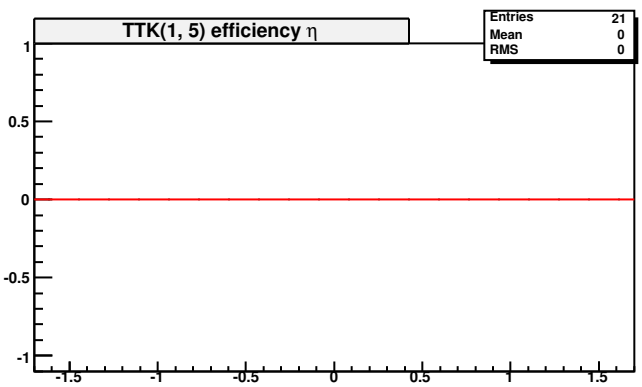

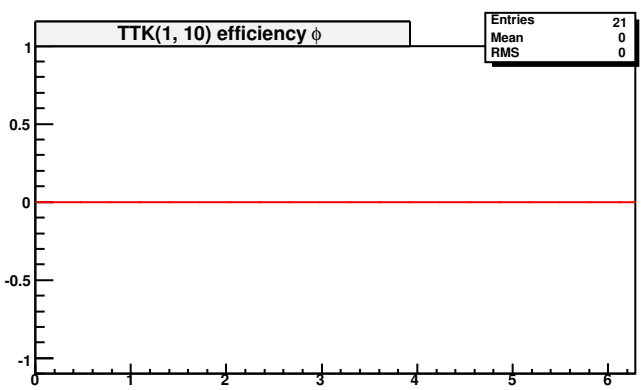

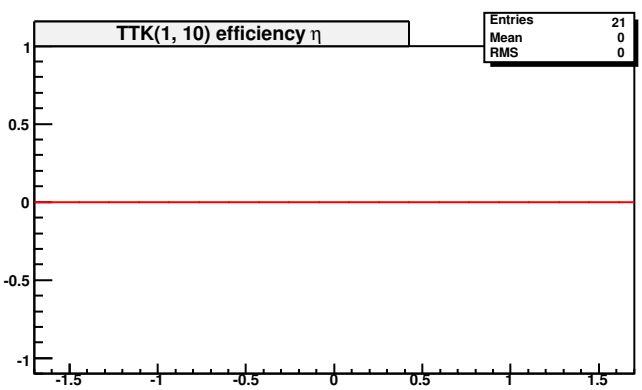

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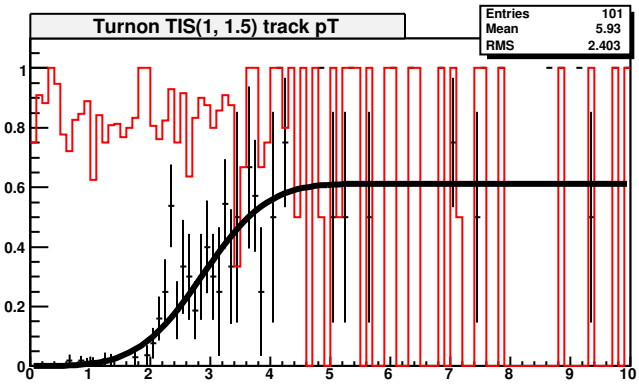

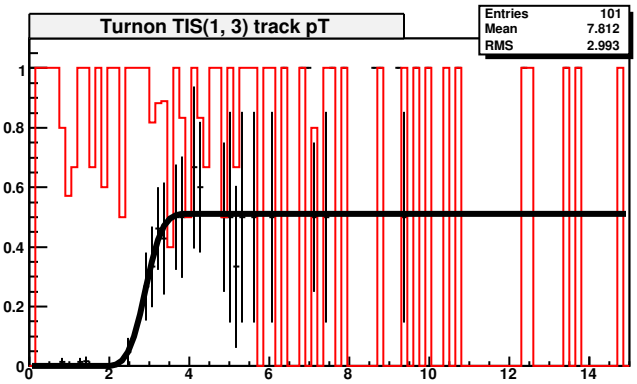

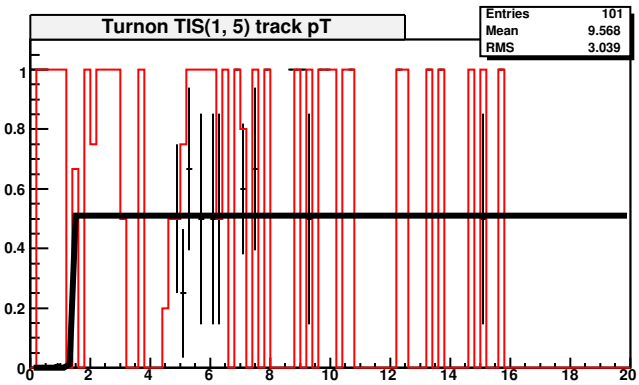

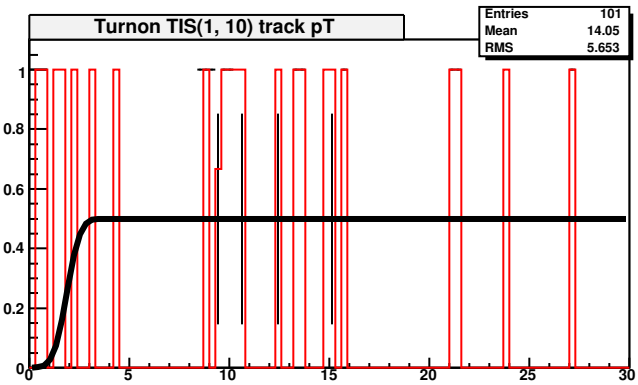

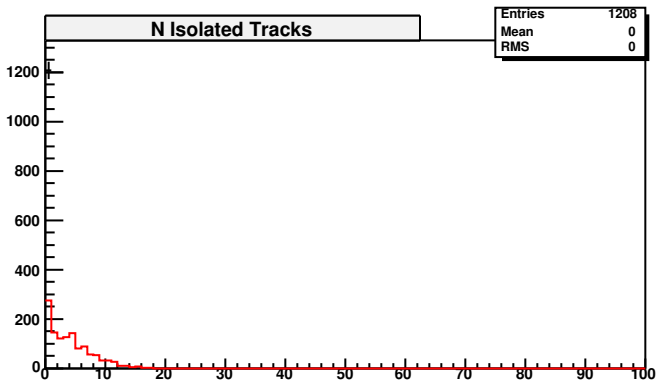

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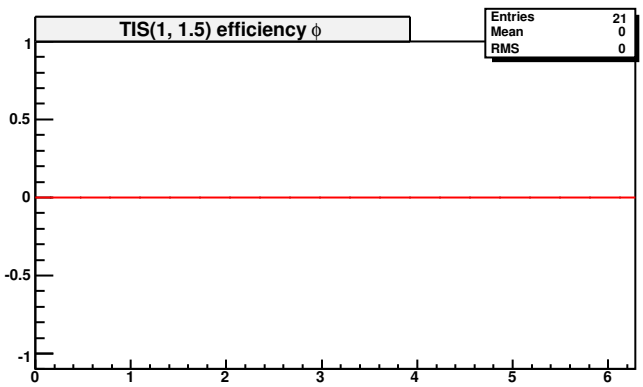

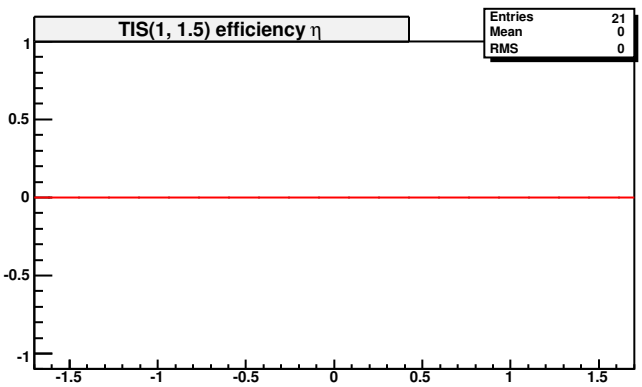

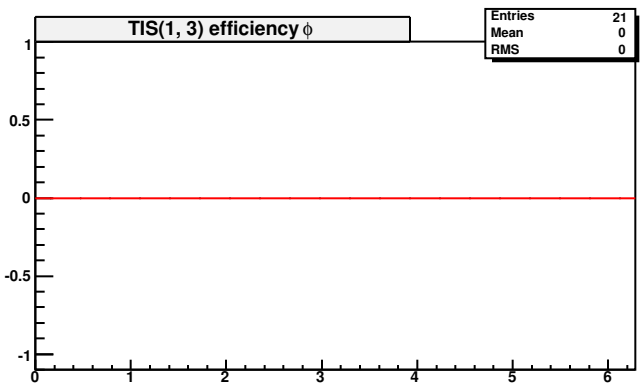

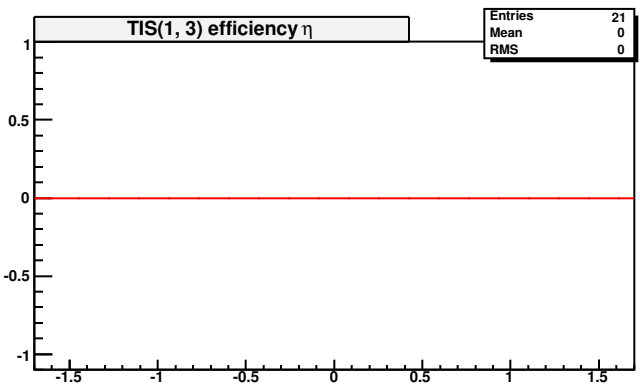

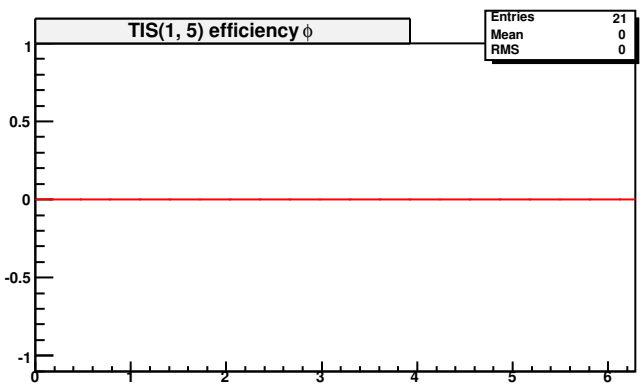

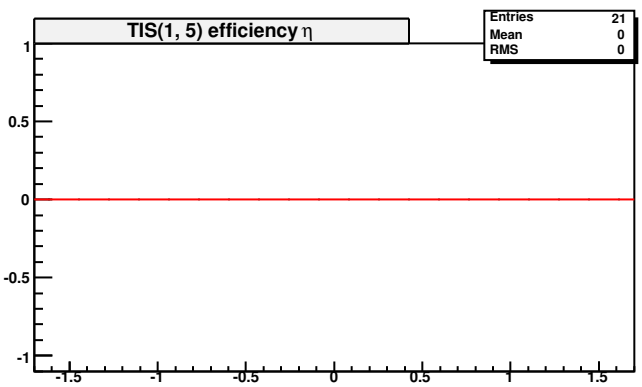

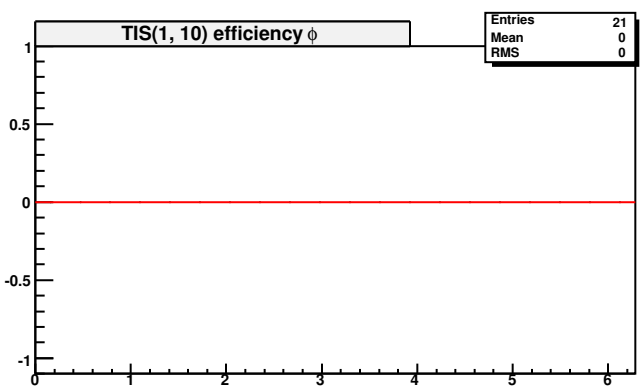

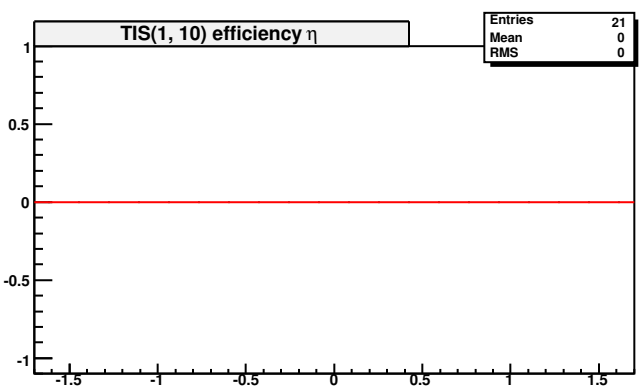

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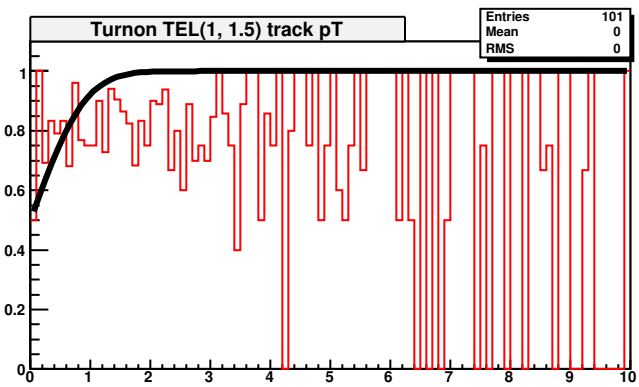

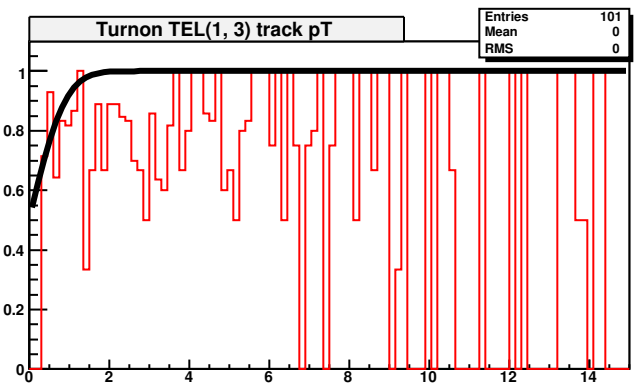

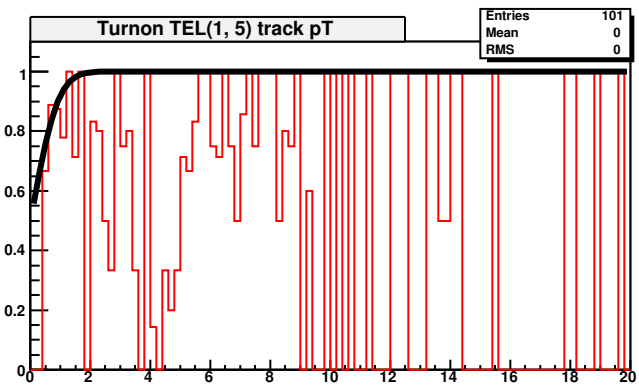

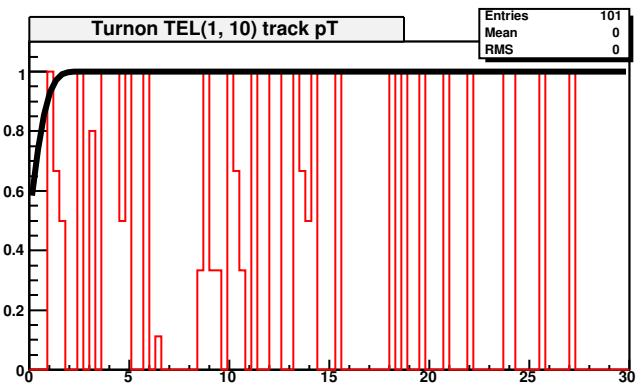

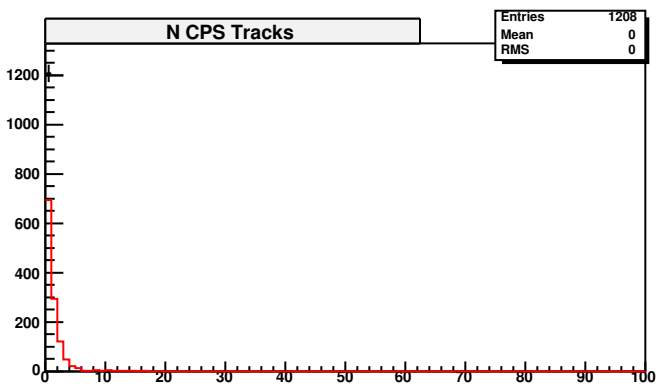

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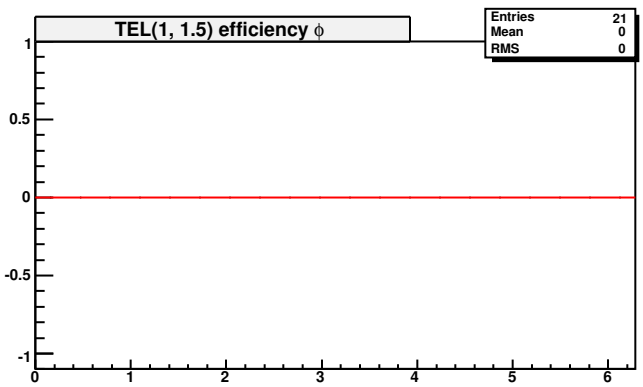

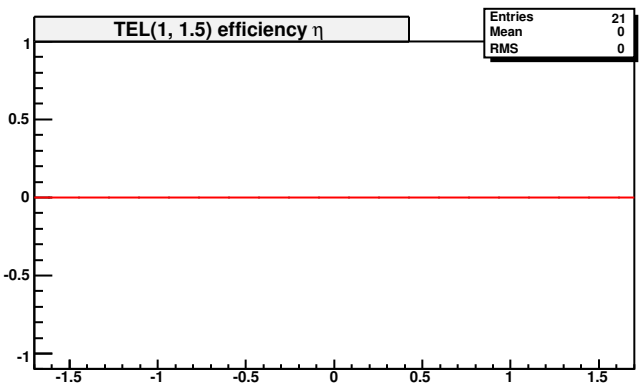

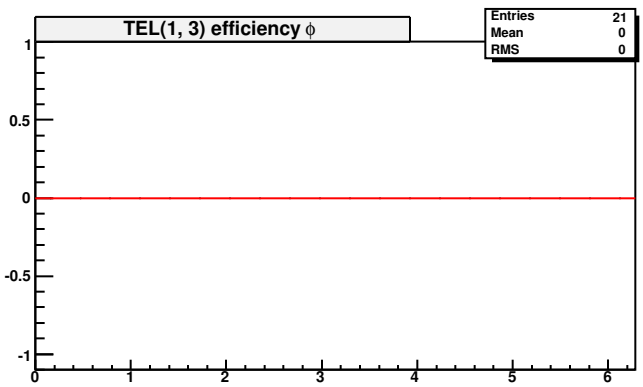

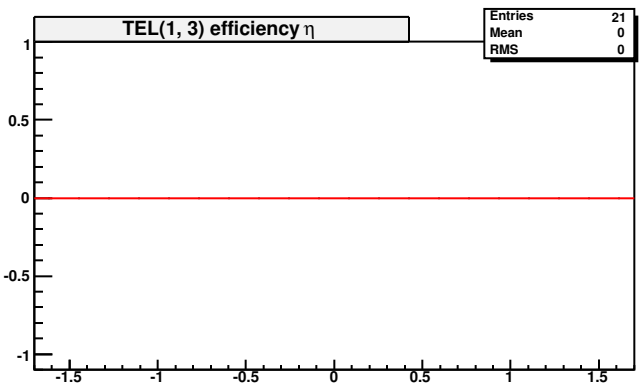

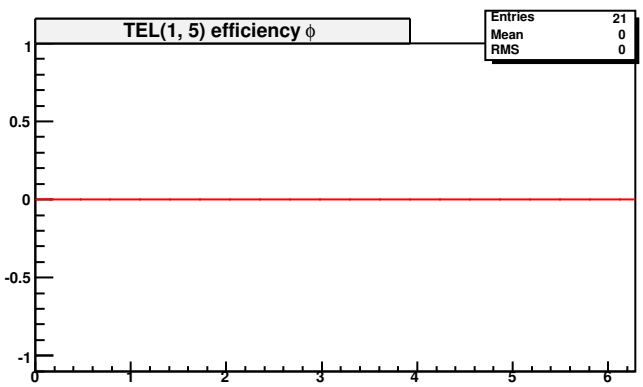

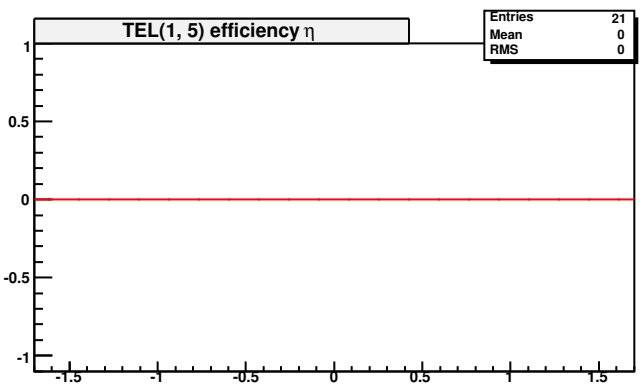

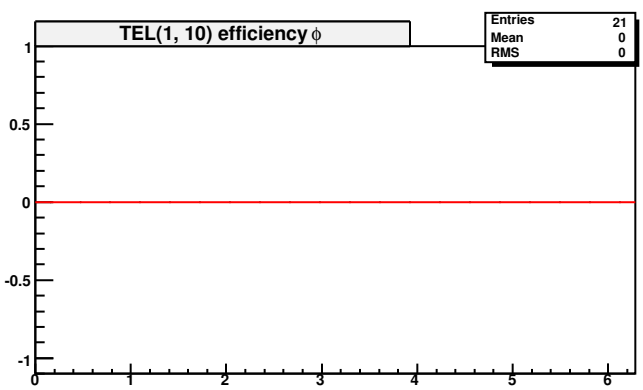

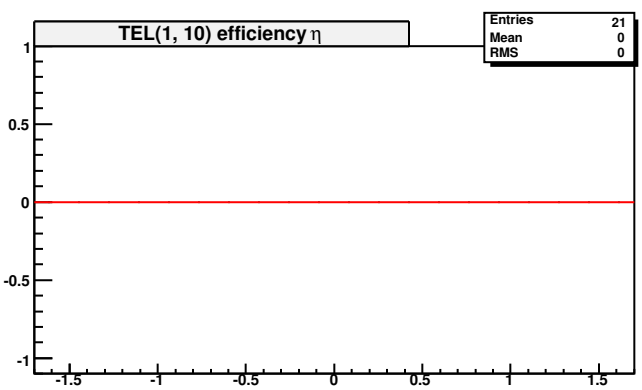

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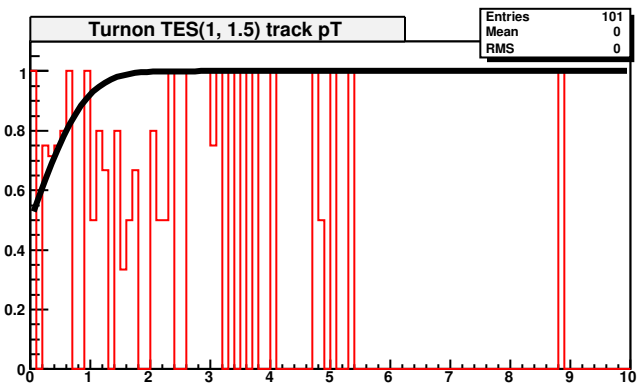
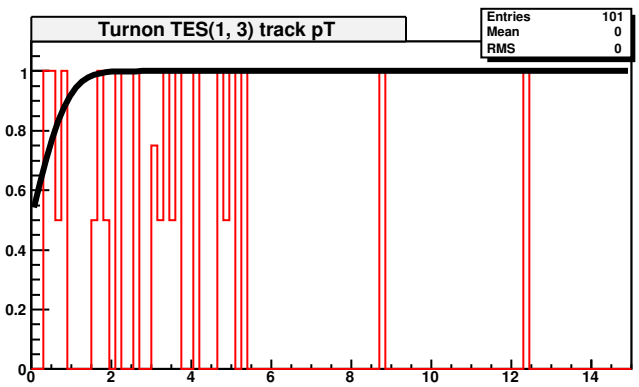
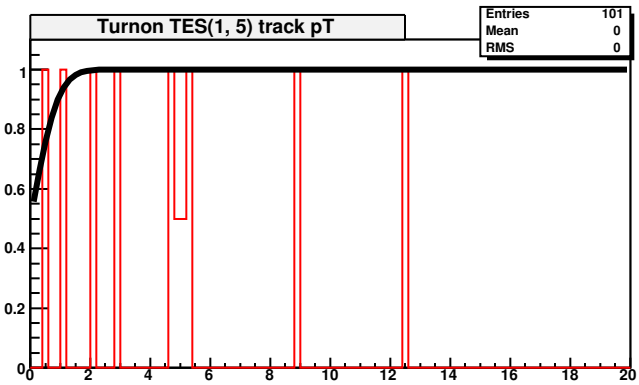
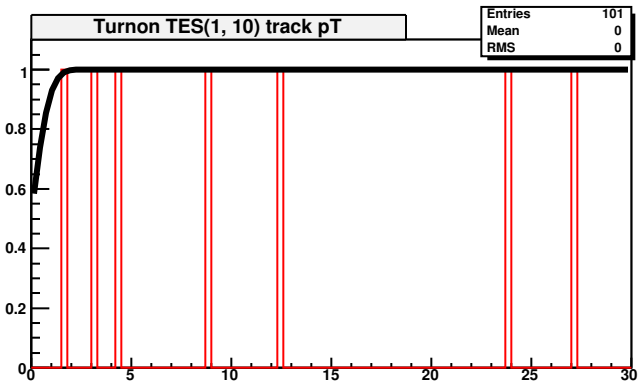
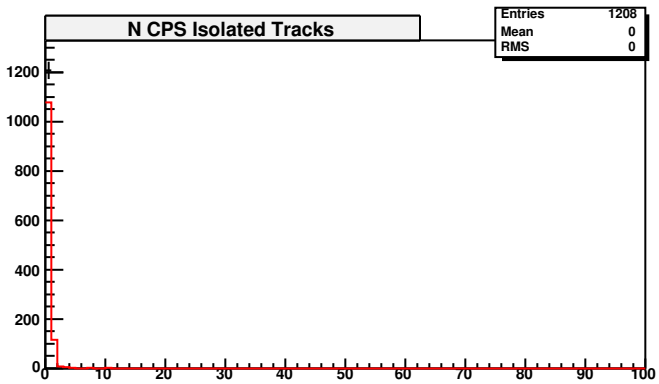


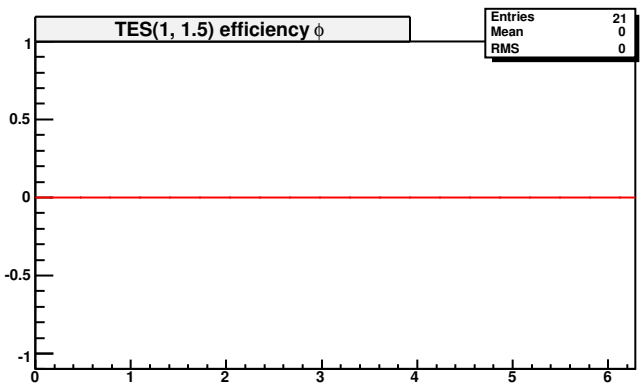


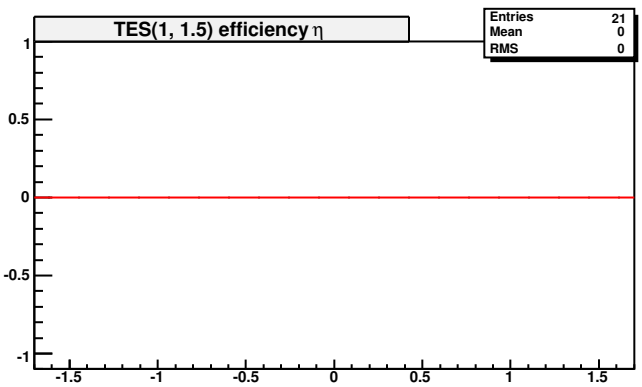


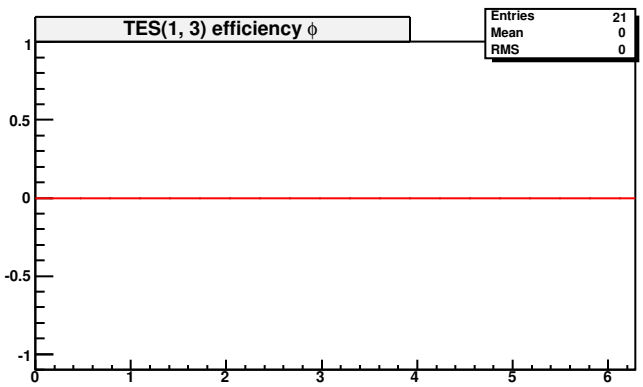


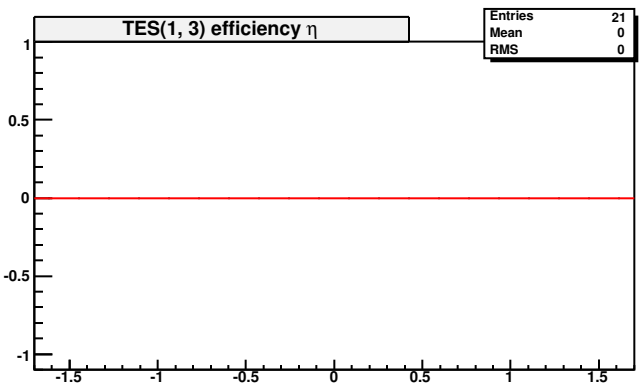


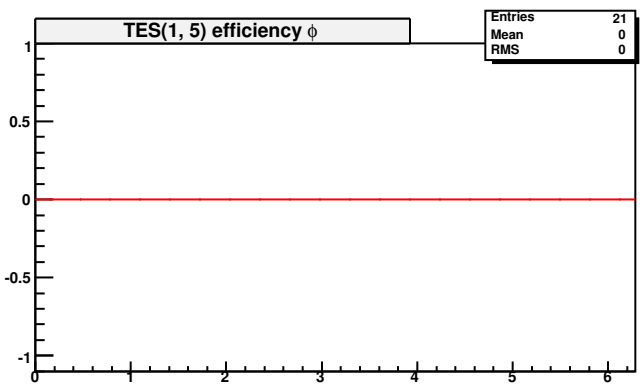
TES (L1CTT All)

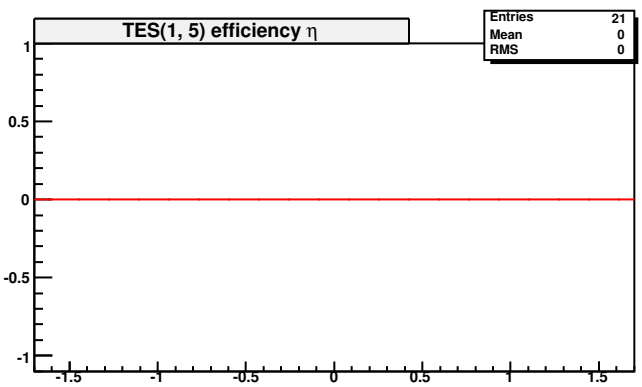


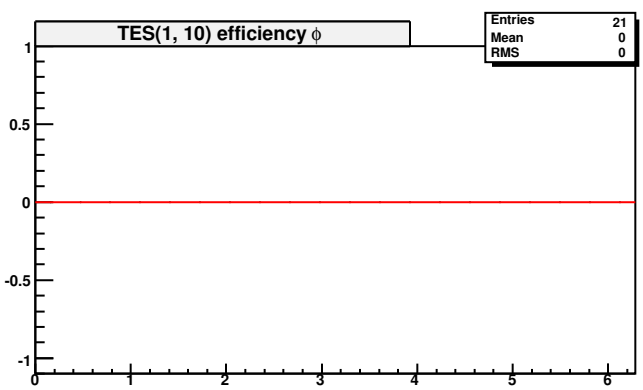


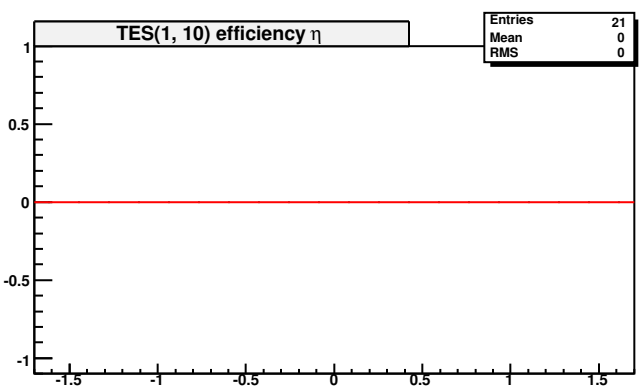












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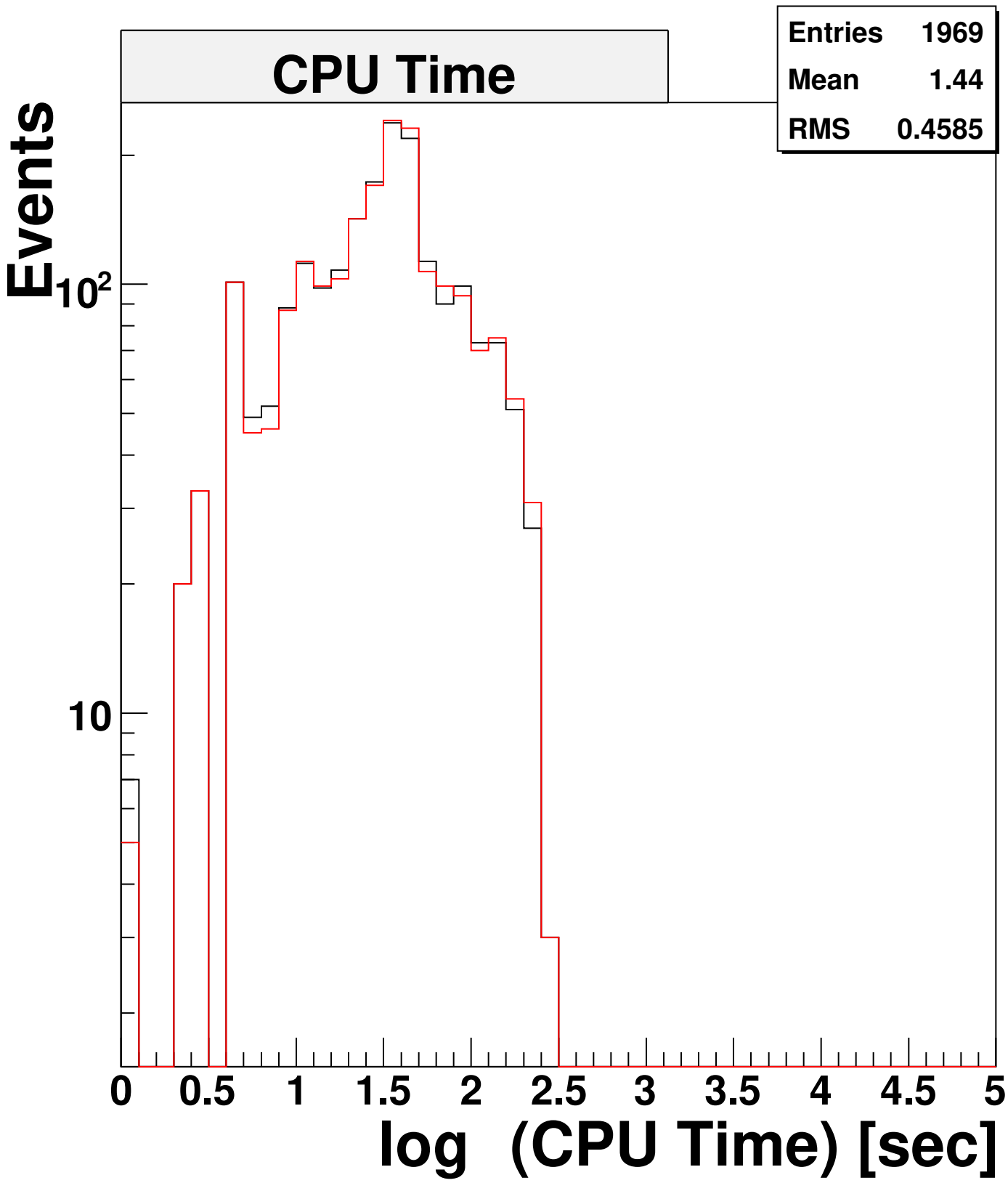

RECO Performance (Timing)