p200401_r222485_6K.root
p2007frozen_r222485_6K.root

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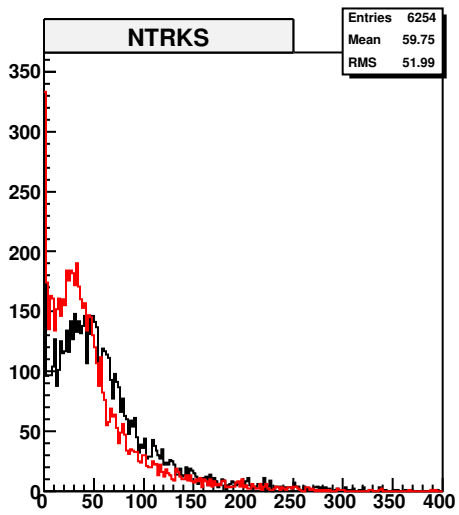
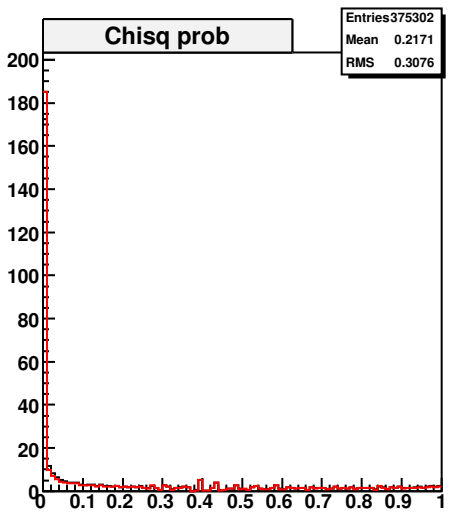
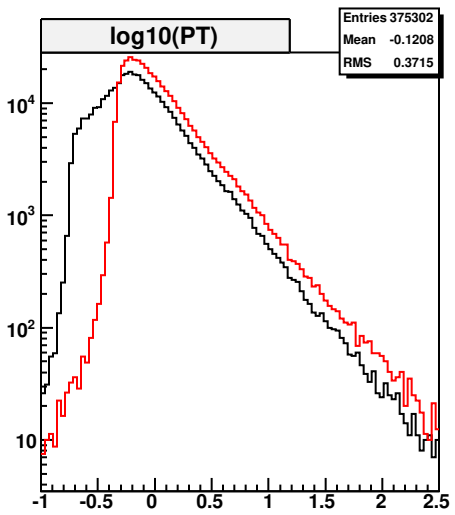
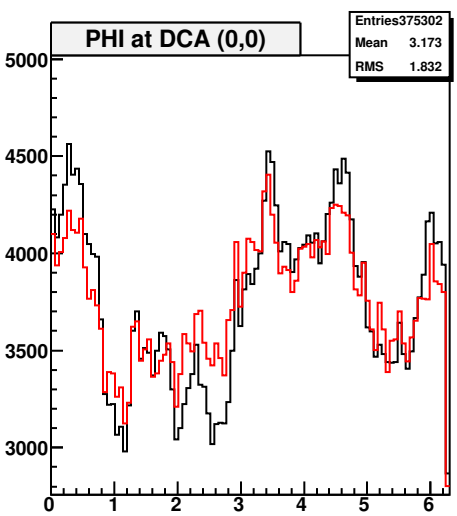
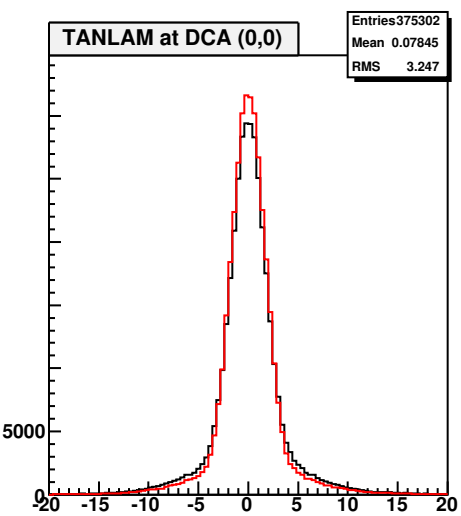
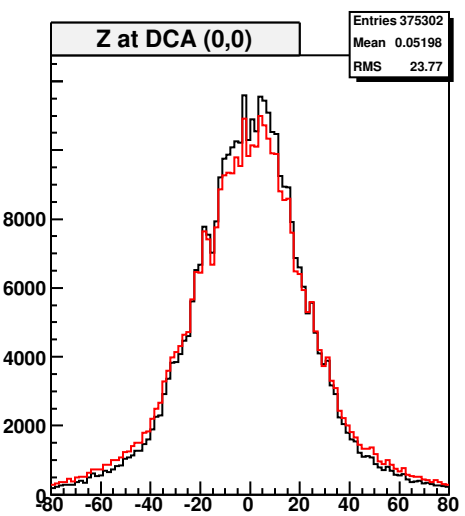

NTRKS
Entries 6254
Mean 59.75
RMS 51.99

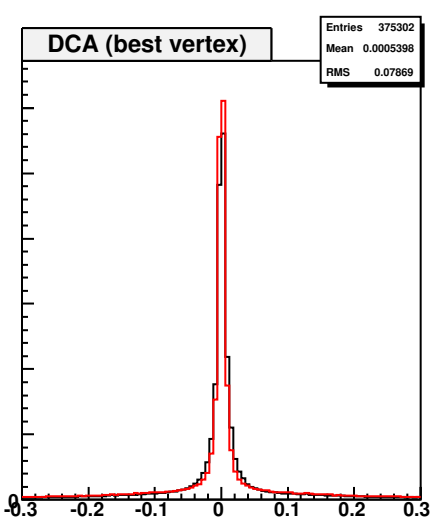

Chisq prob
Entries 375302
Mean 0.2171
RMS 0.3076

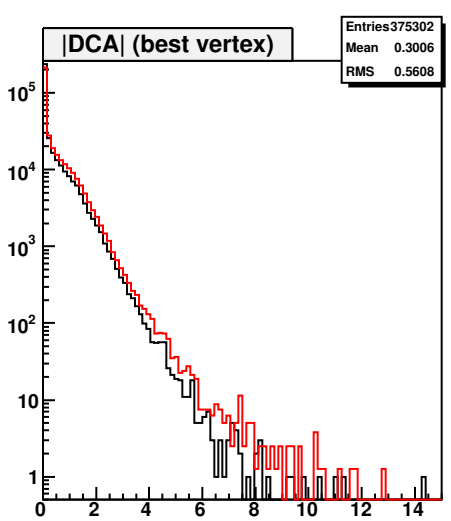

log10(PT)
Entries 375302
Mean -0.1208
RMS 0.3715

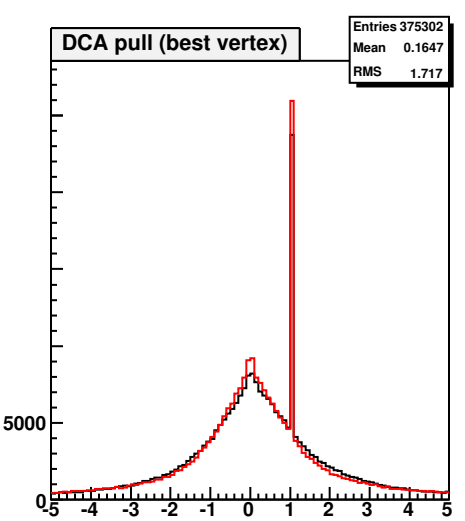

PHI at DCA (0,0)
Entries 375302
Mean 3.173
RMS 1.832


TANLAM at DCA (0,0)
Entries 375302
Mean 0.07845
RMS 3.247

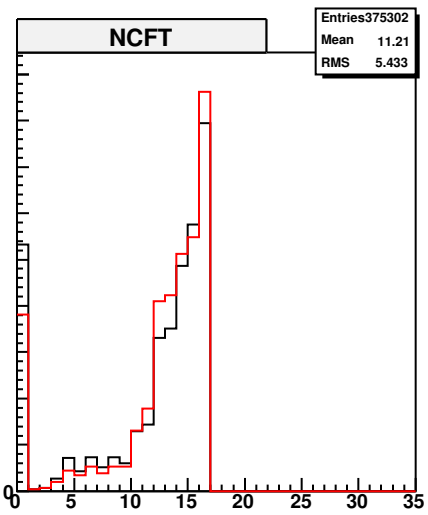

Z at DCA (0,0)
Entries 375302
Mean 0.05198
RMS 23.77

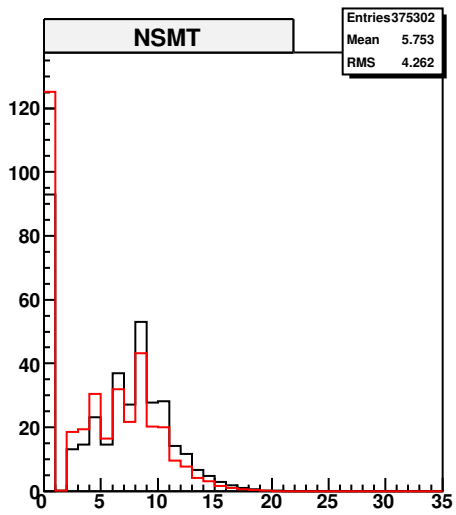

DCA (best vertex)
Entries 375302
Mean 0.0005398
RMS 0.07869

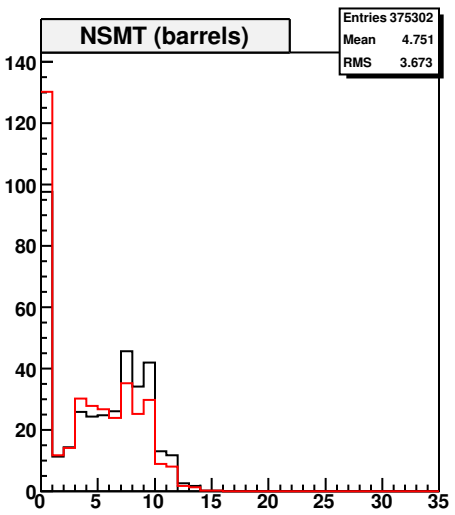

|DCA| (best vertex)
Entries 375302
Mean 0.3006
RMS 0.5608

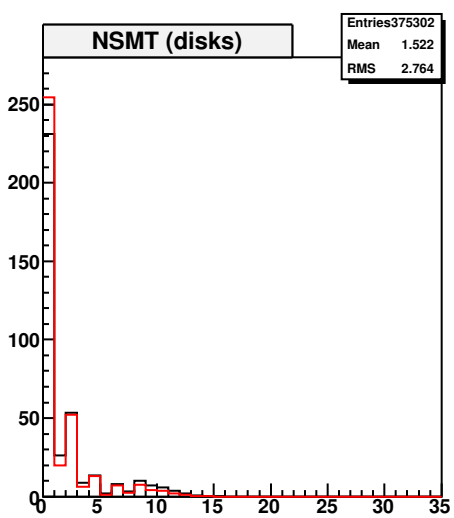

DCA pull (best vertex)
Entries 375302
Mean 0.1647
RMS 1.717

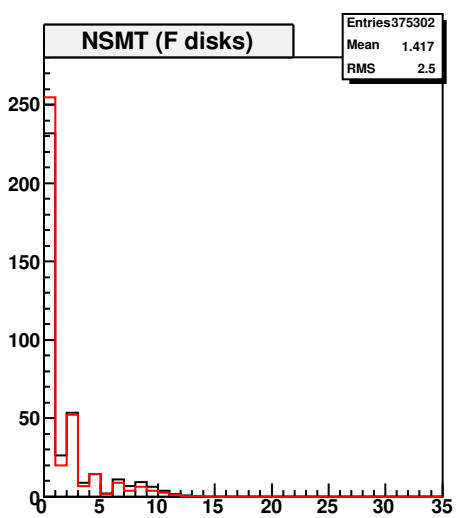
Tracks (All)

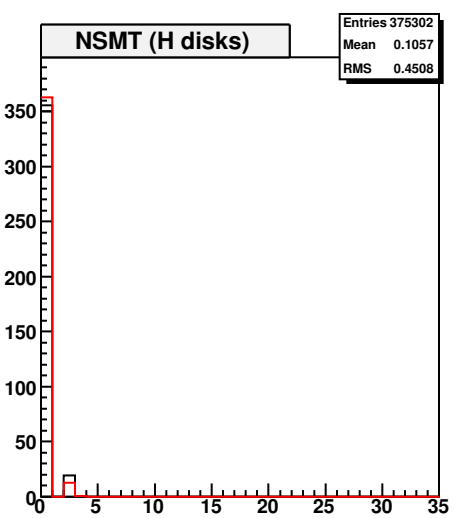


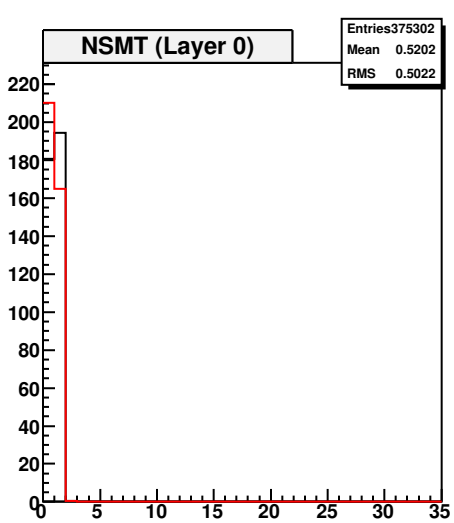




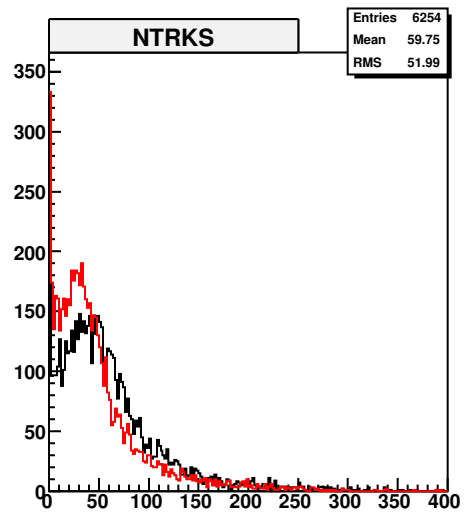


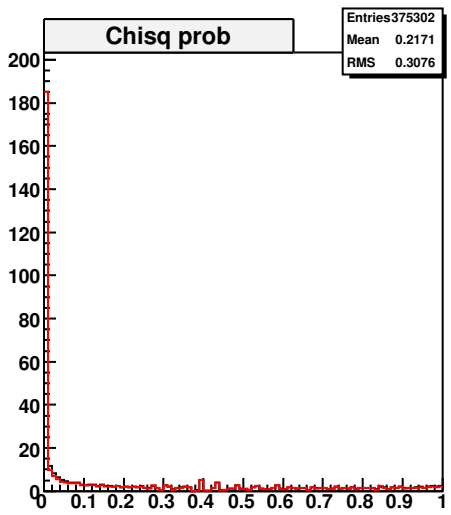


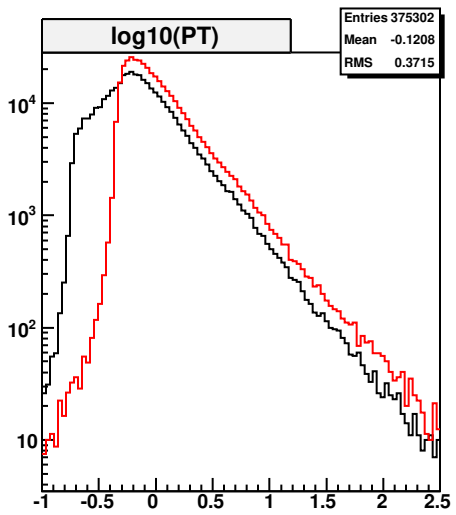


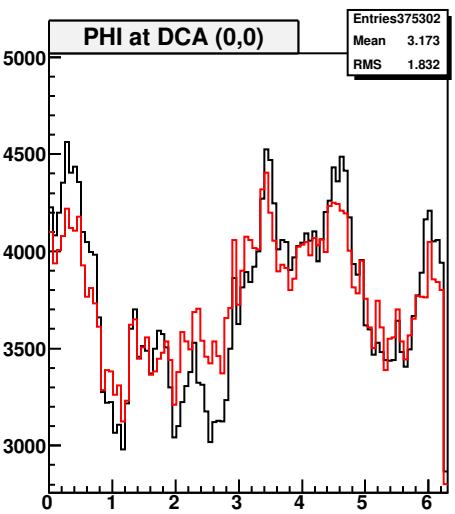


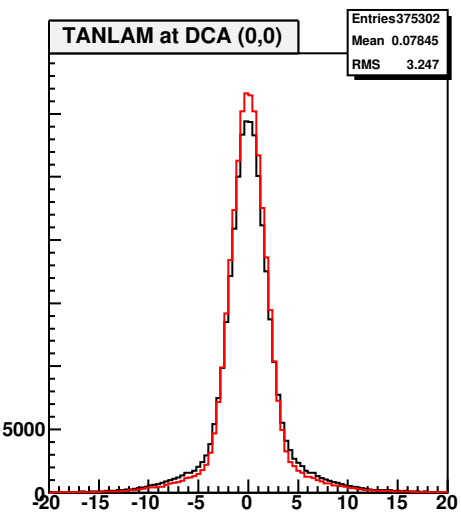
Track Hits (All)

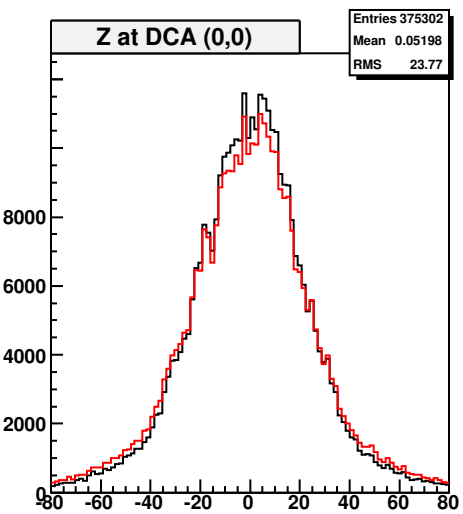


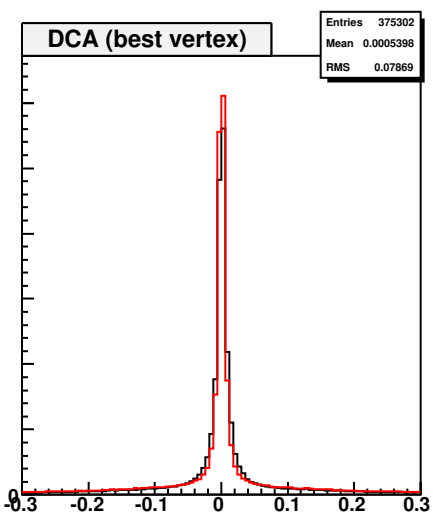


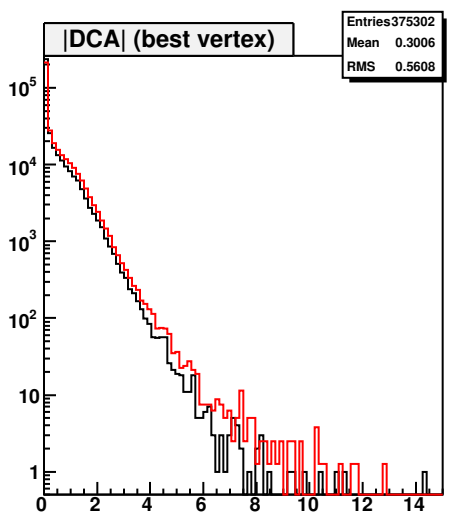


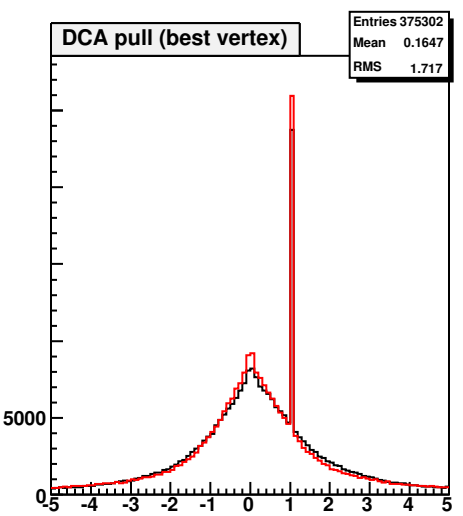




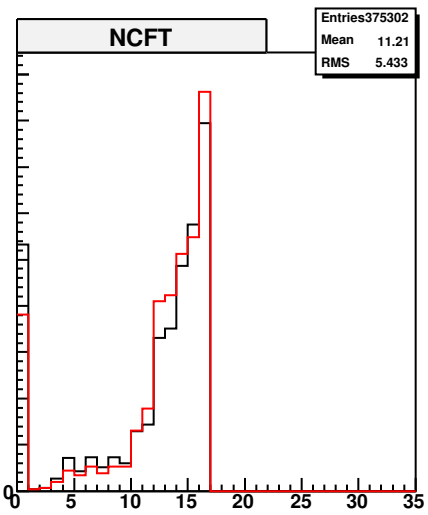


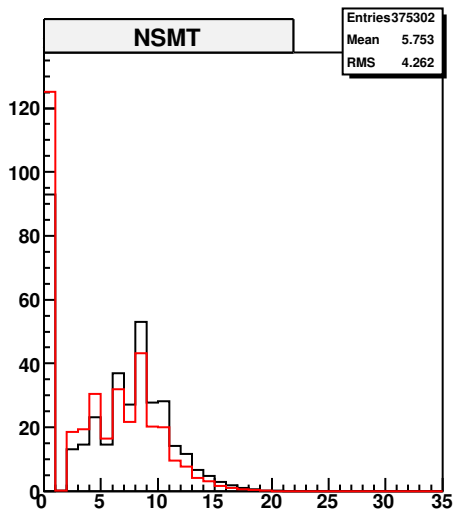


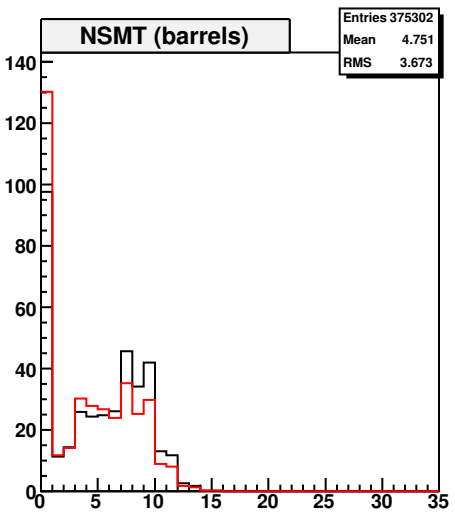


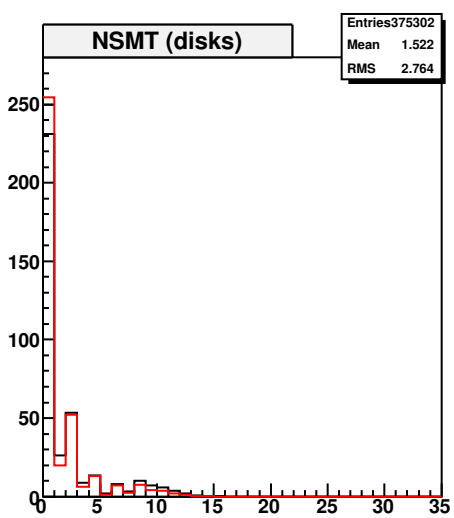


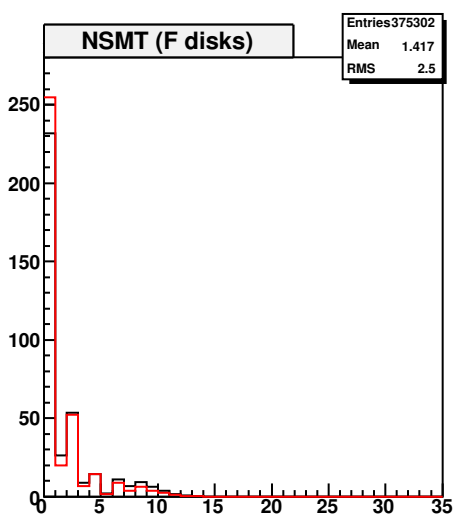
Tracks (Tight)

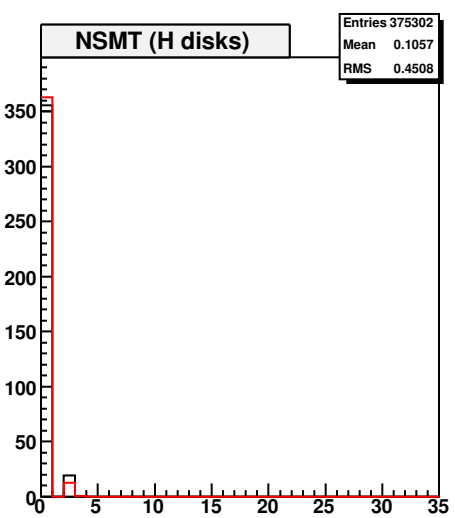


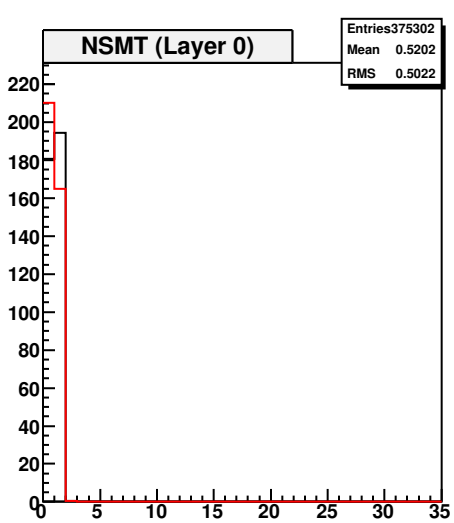




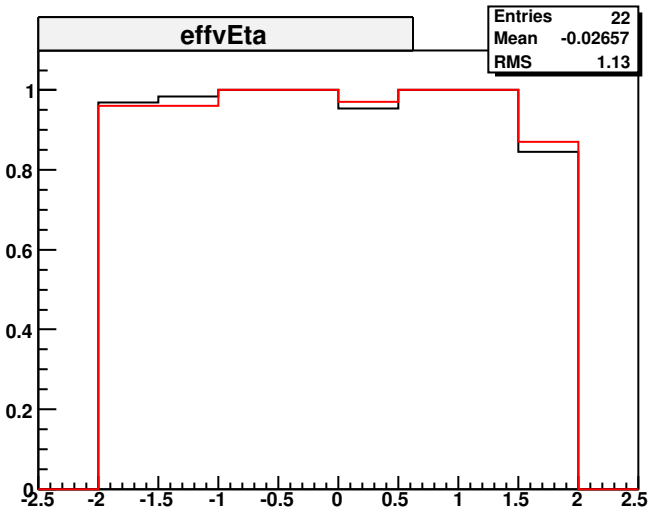


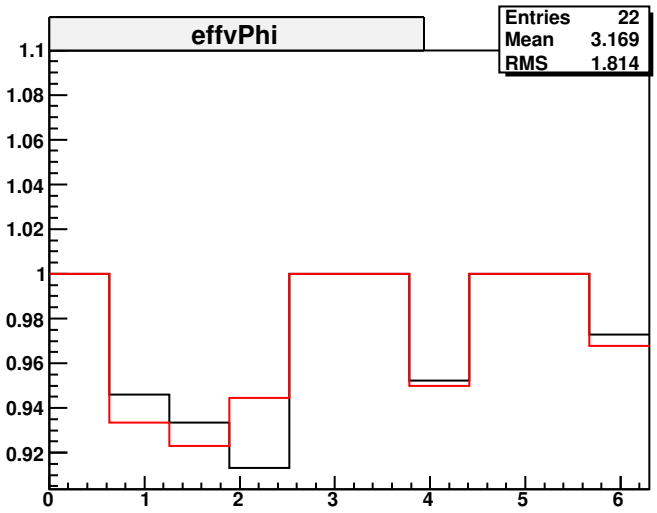


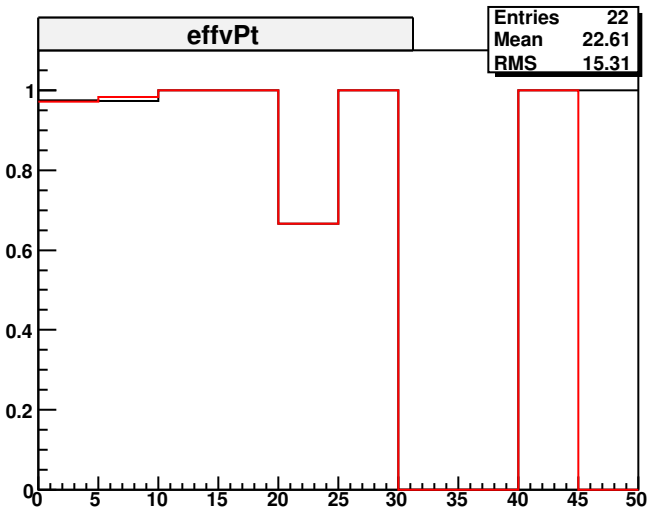


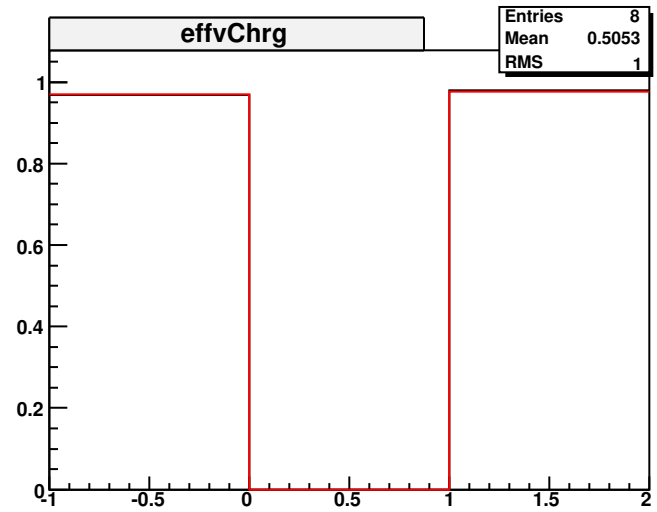


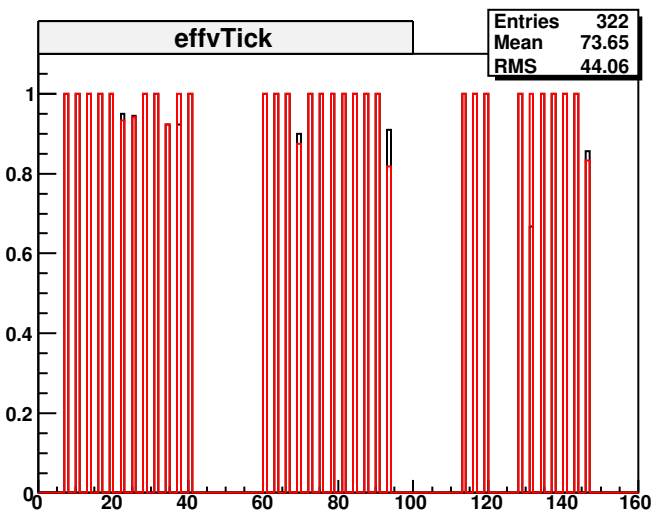
Track Hits (Tight)

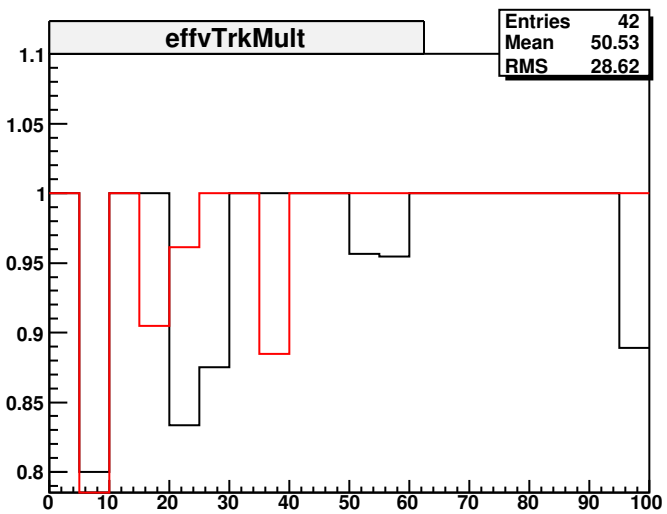




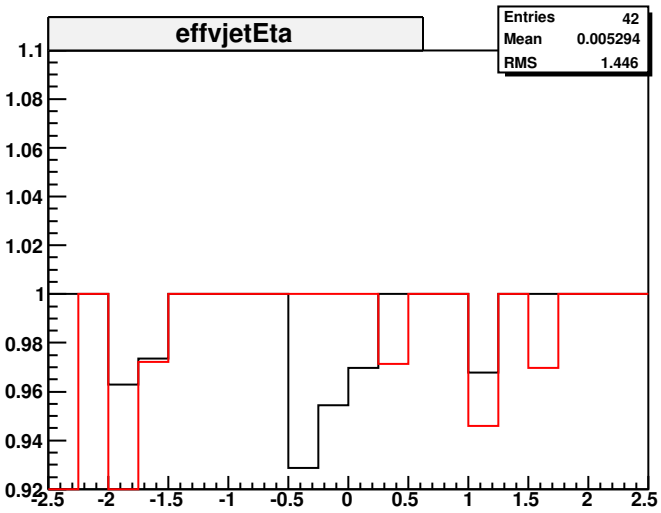


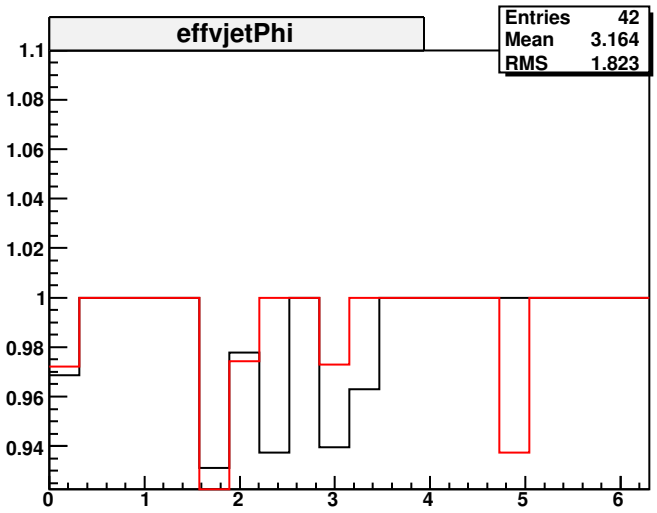


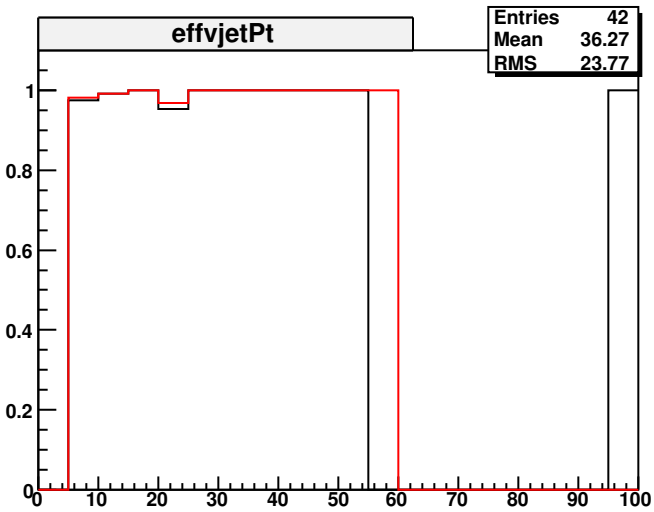




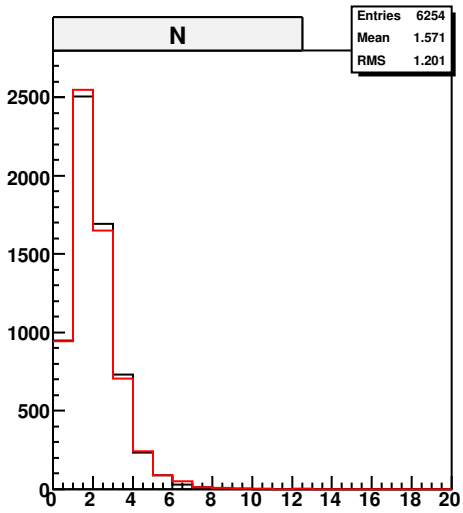
Tracking (Efficiency-Isolated)

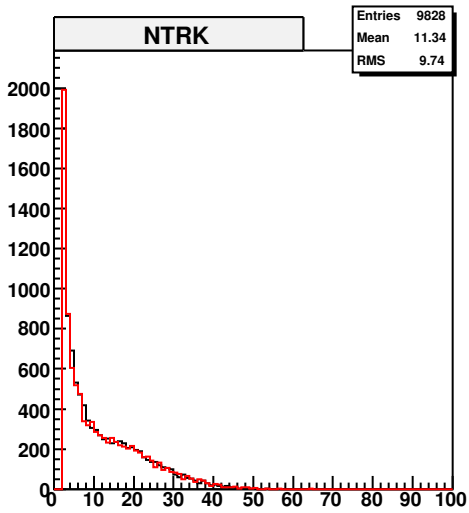


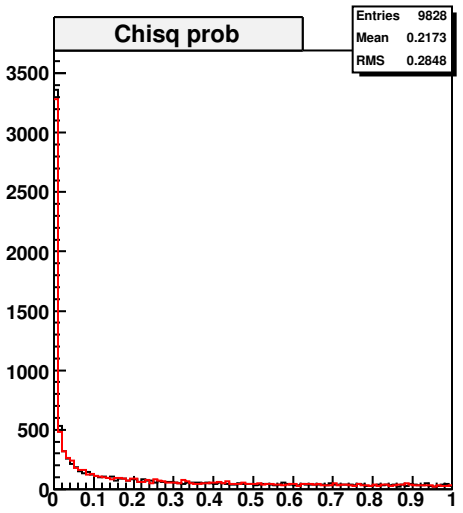


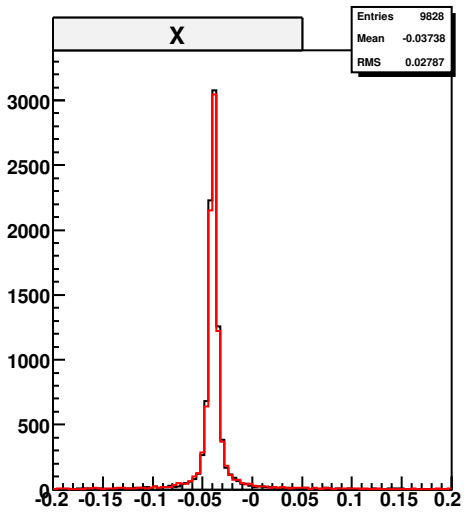


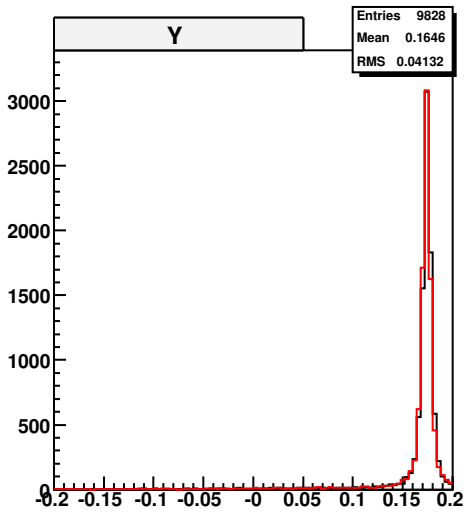
Tracking (Efficiency-InJets)

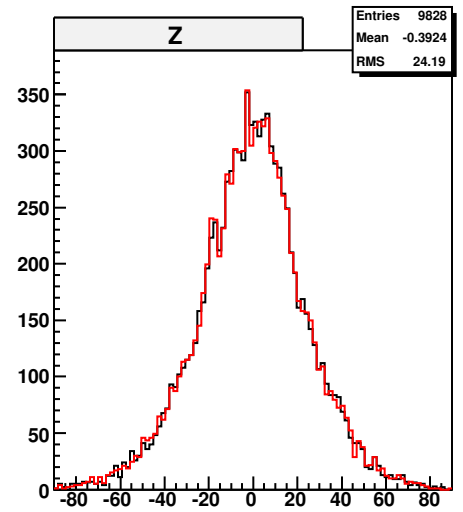


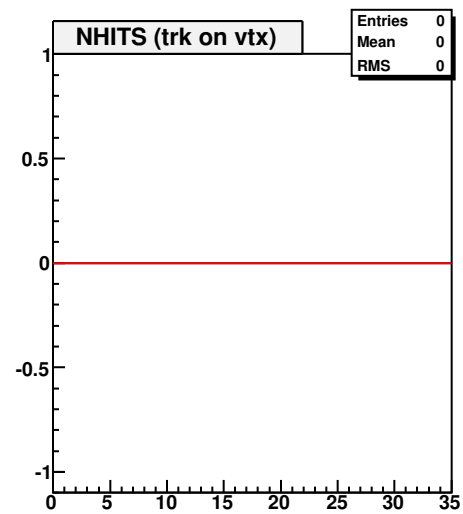


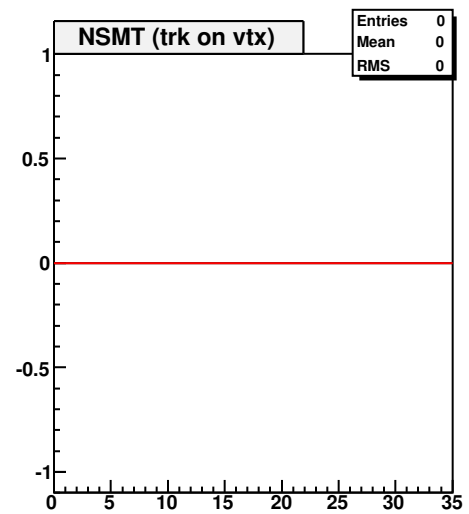


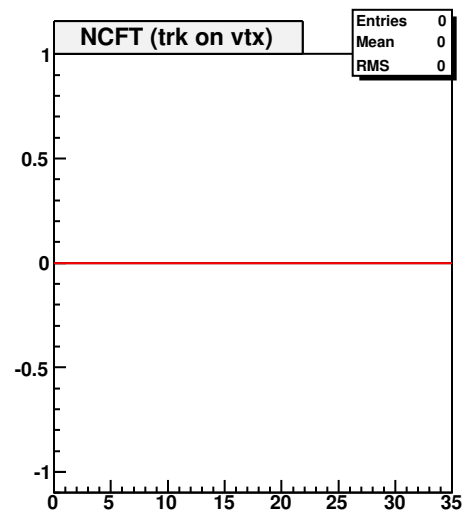




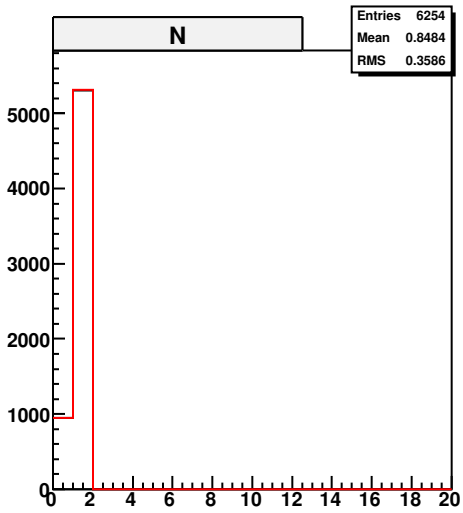


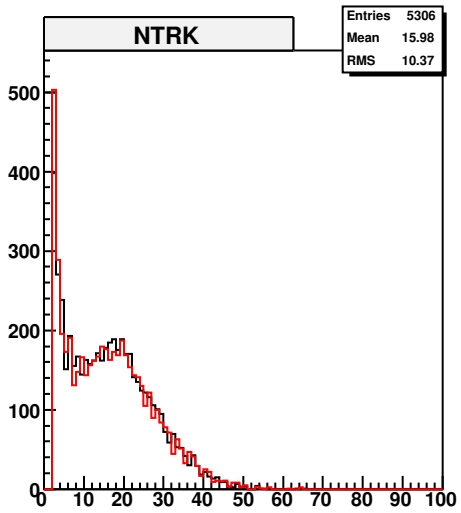


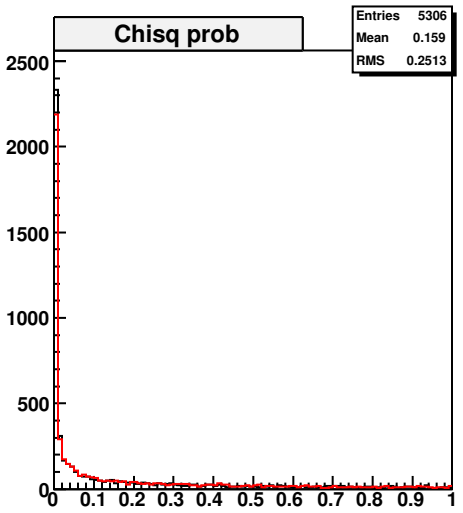


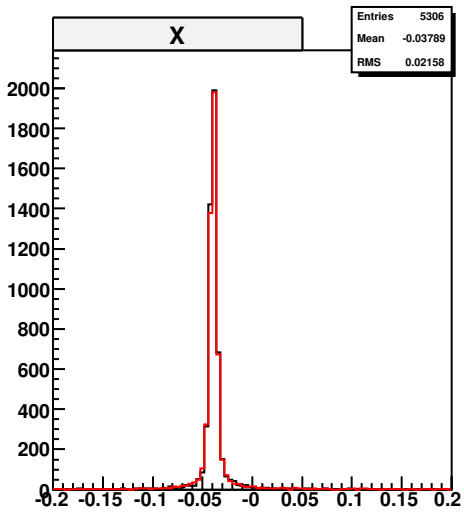


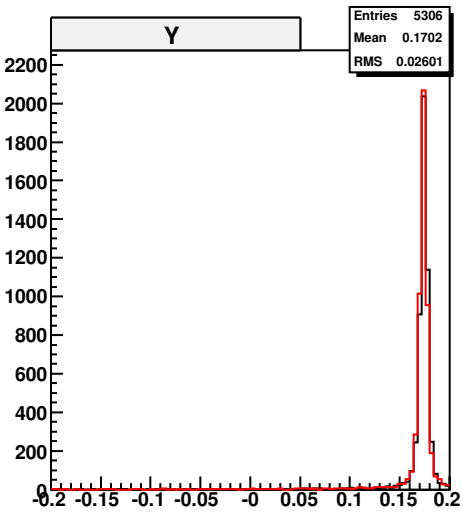
Vertices (Primary - all candidates)

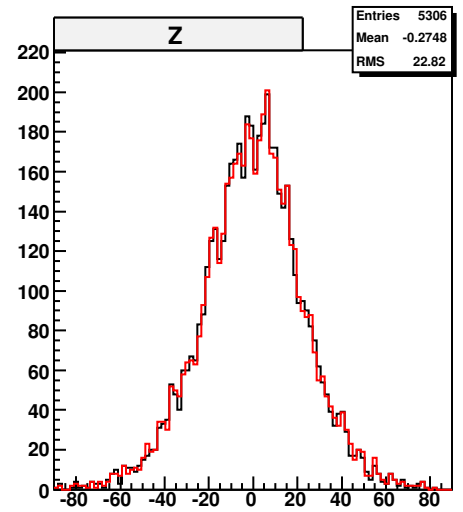


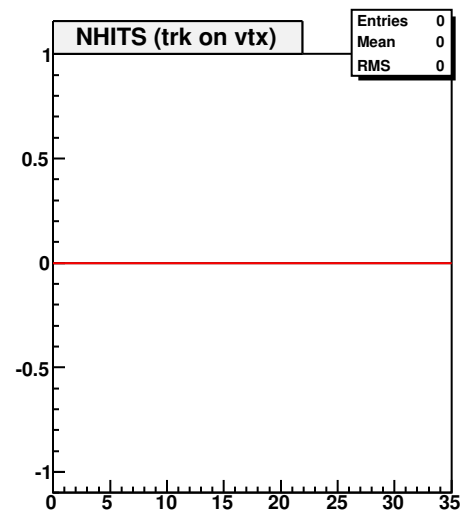


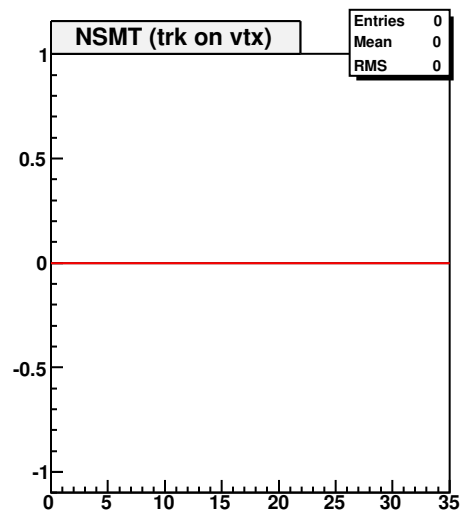


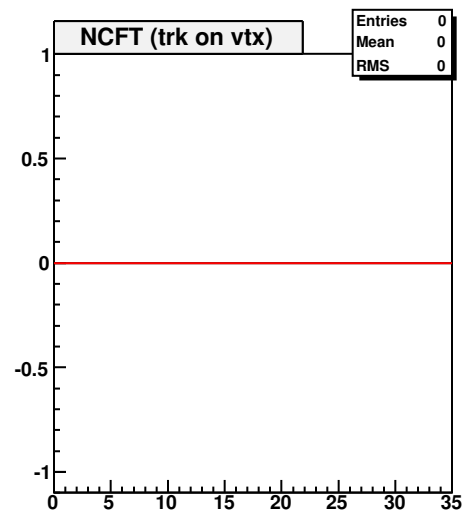




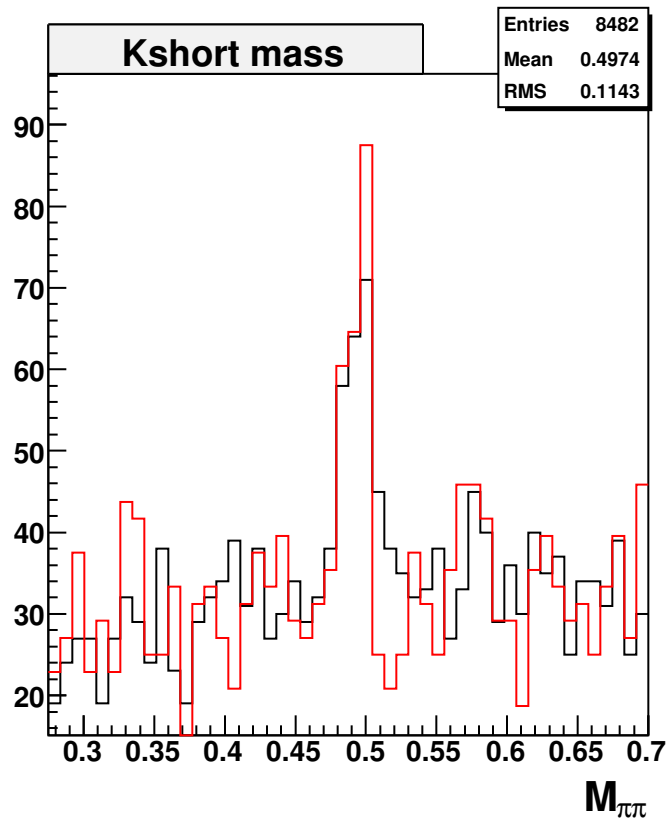


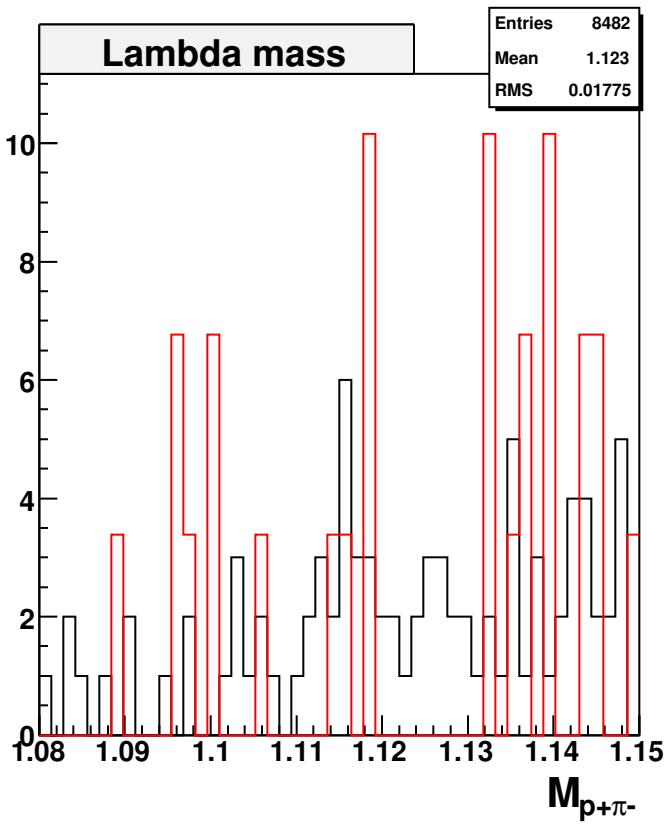


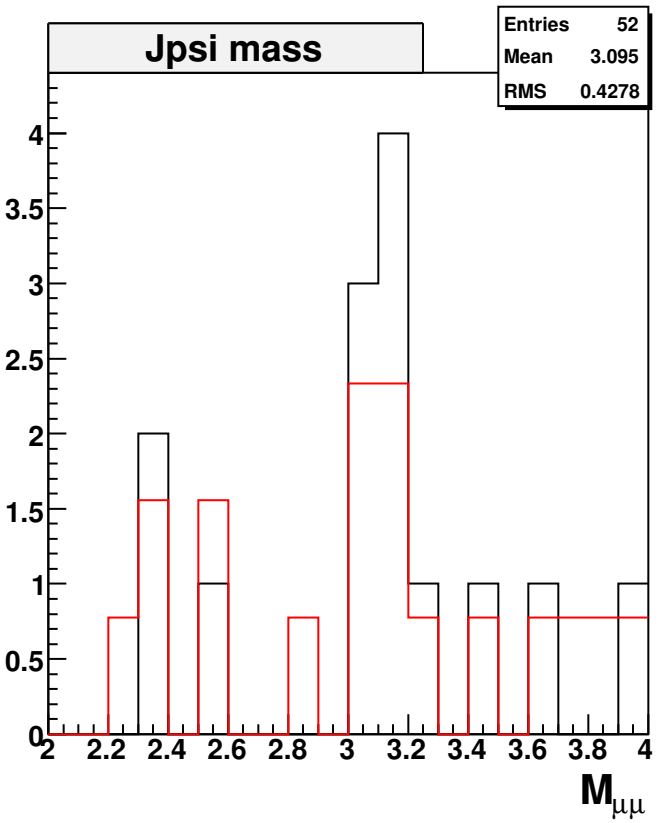


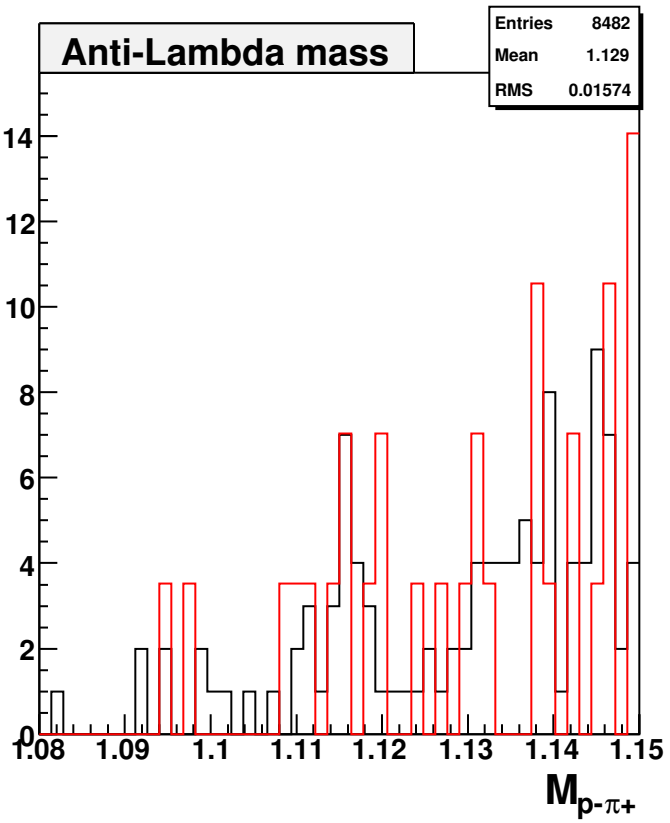


Vertices (Primary - best)

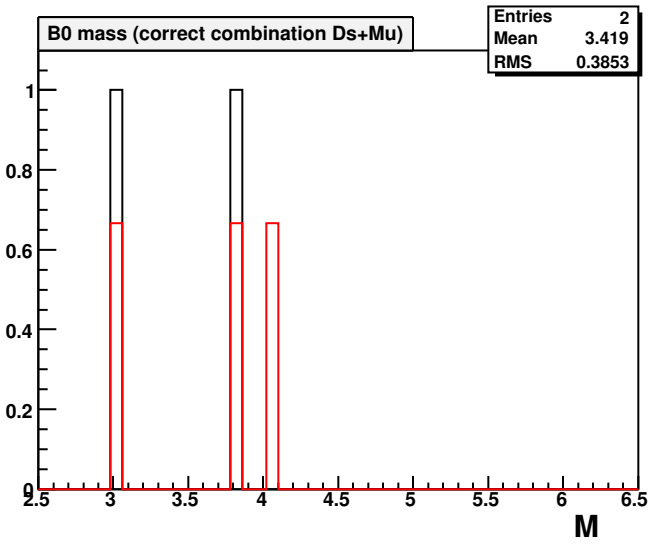

Kshort mass
Entries 8482
Mean 0.4974
RMS 0.1143
90
80
70
60
50
40
30
20
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

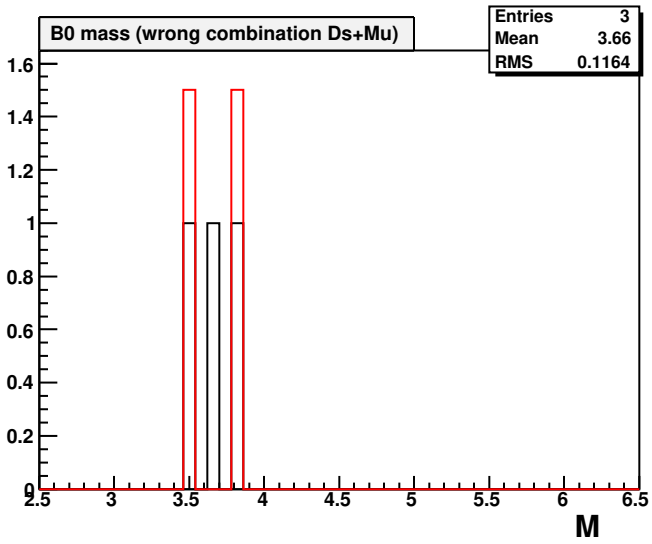

Lambda mass
Entries 8482
Mean 1.123
RMS 0.01775
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

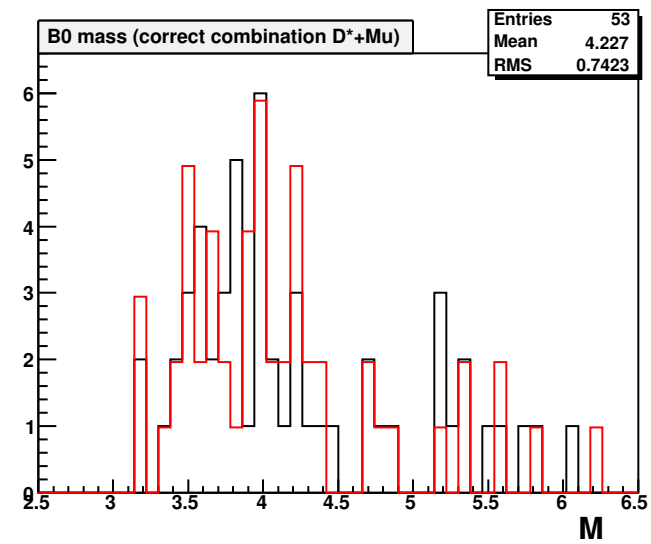

Jpsi mass
Entries 52
Mean 3.095
RMS 0.4278
4
3.5
3
2.5
2
1.5
1
0.5
0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

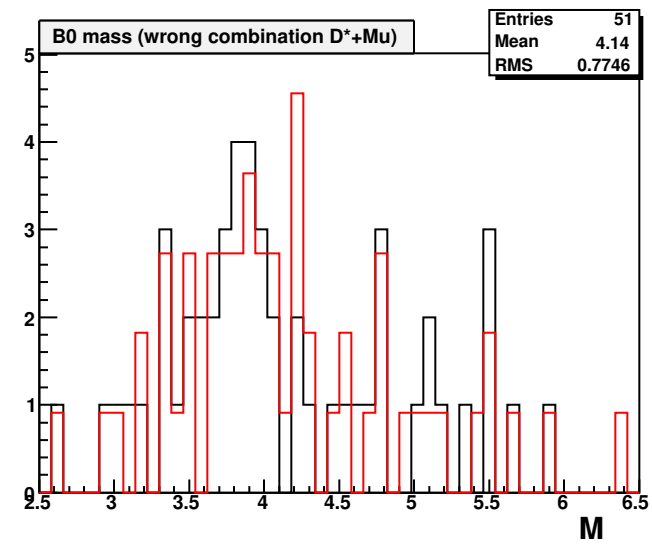

Anti-Lambda mass
Entries 8482
Mean 1.129
RMS 0.01574
14
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

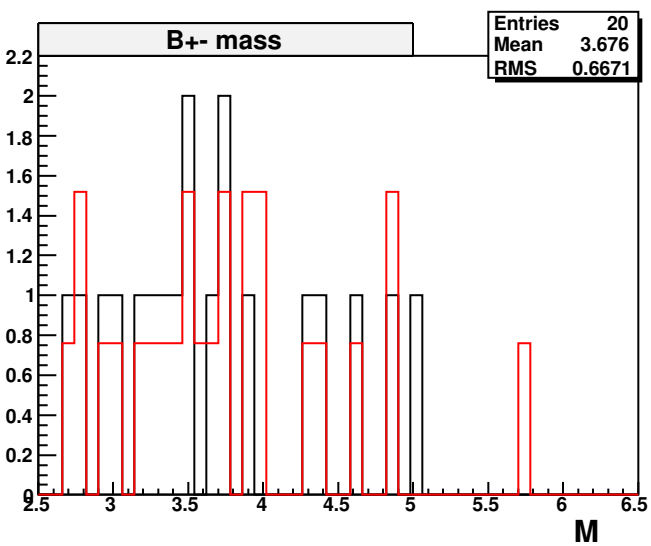
V0 (All)



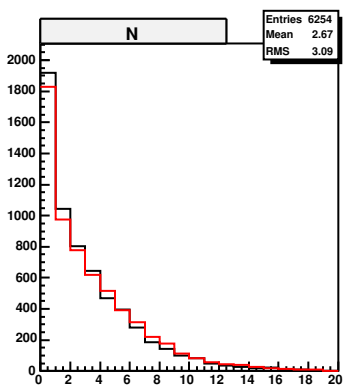


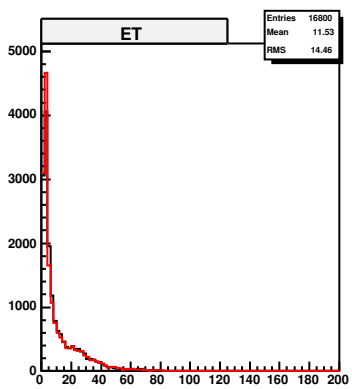


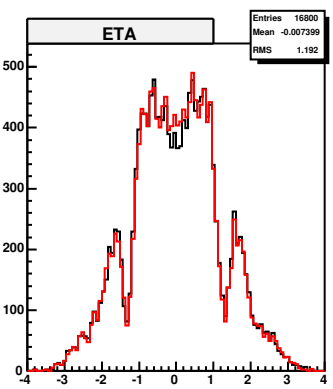


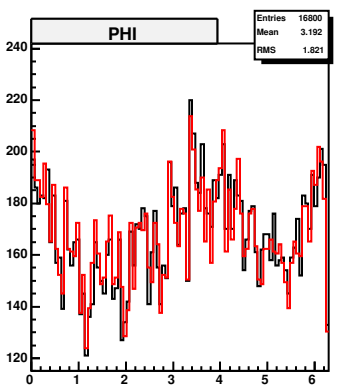


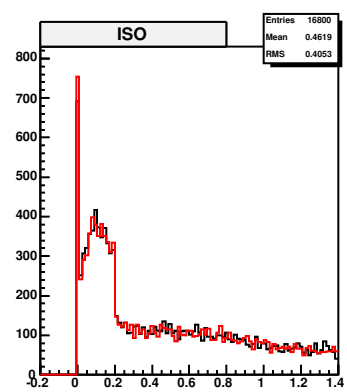
V0(B mesons) (All)

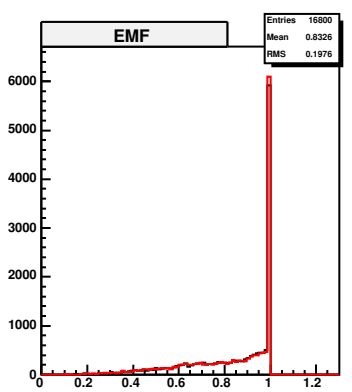


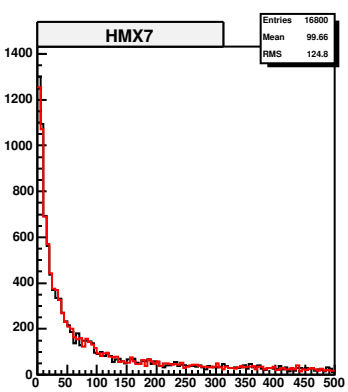


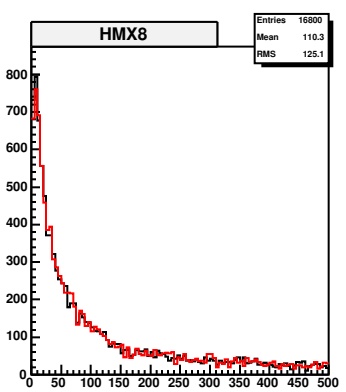


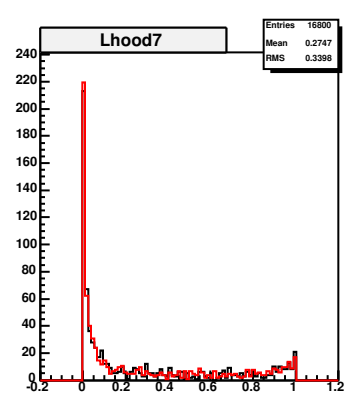


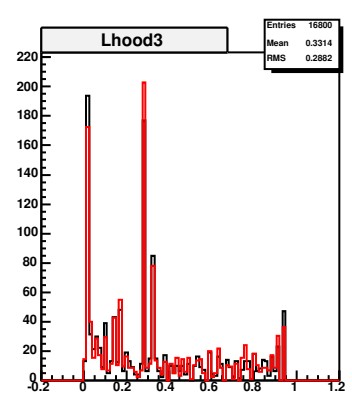


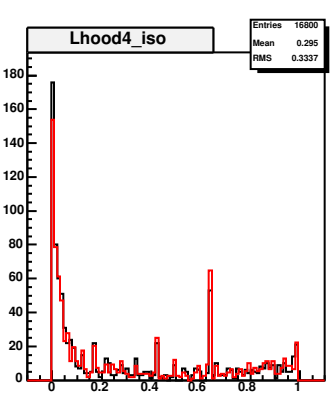


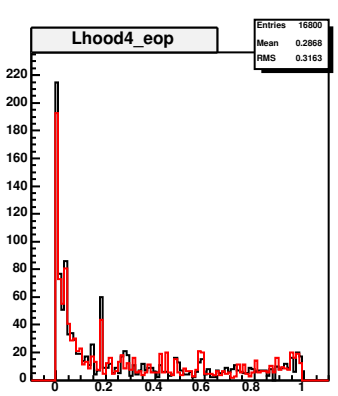


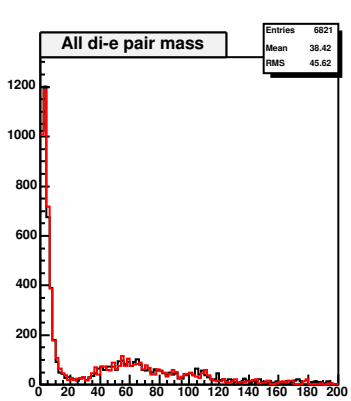


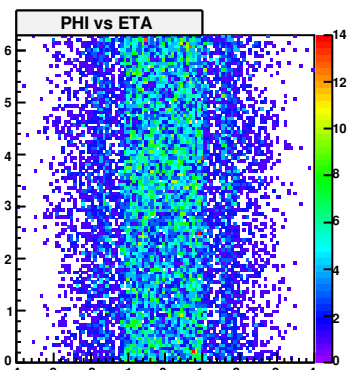


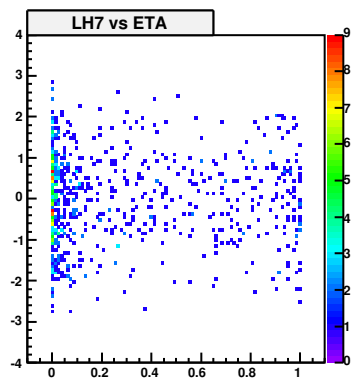


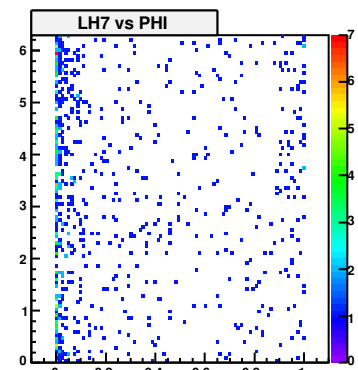




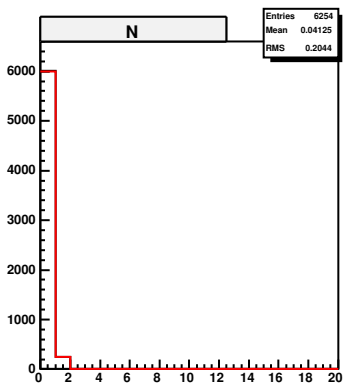


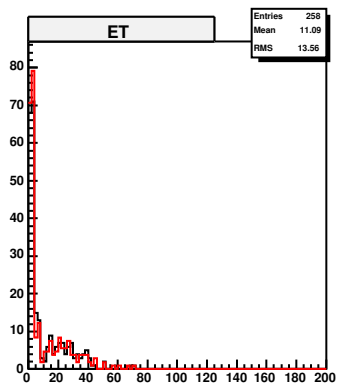


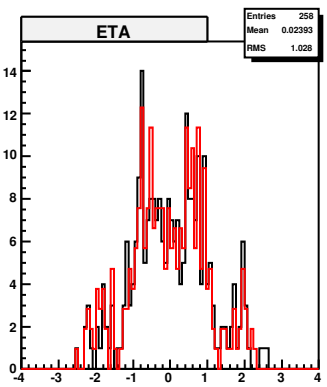


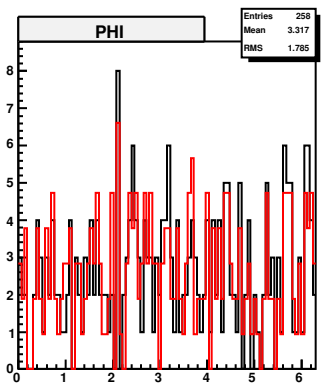


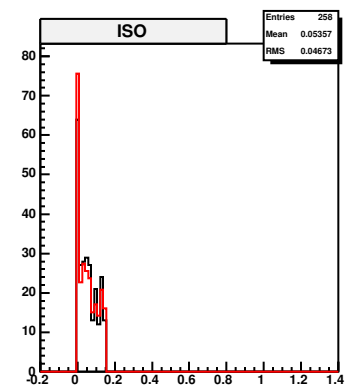
Electrons (SCONE All)

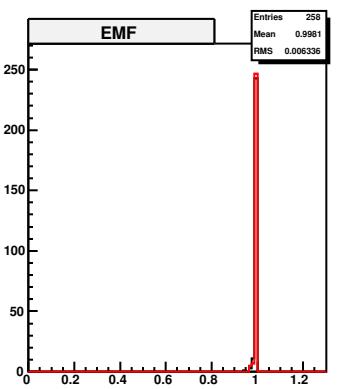


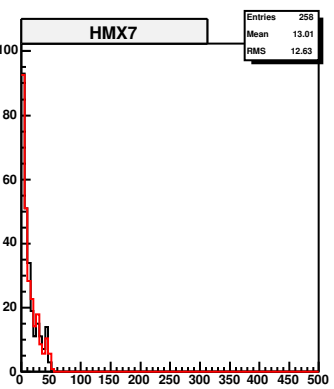


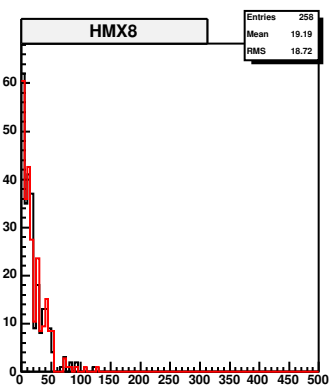


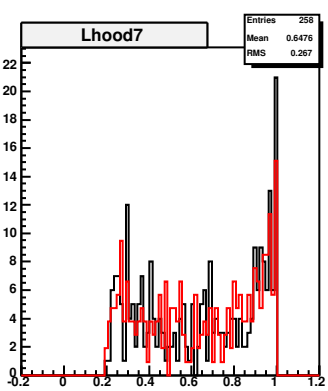


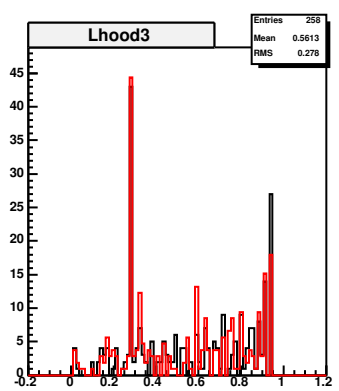


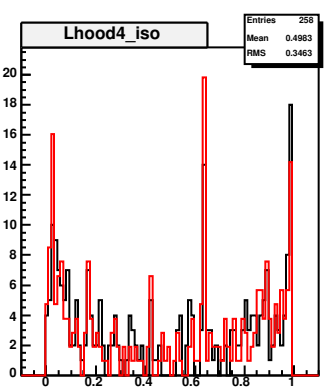


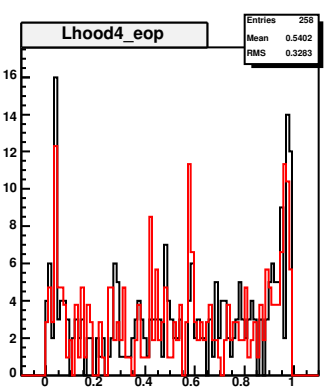


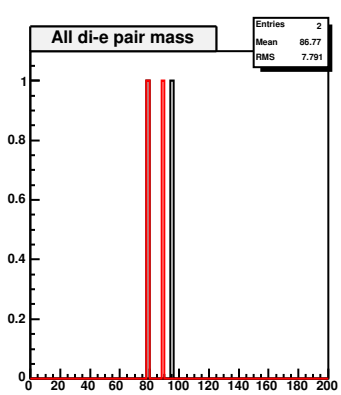


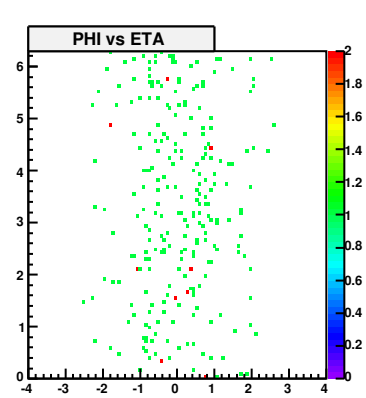


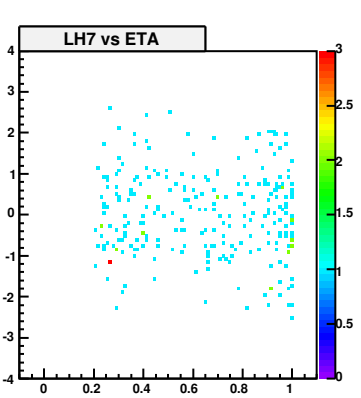


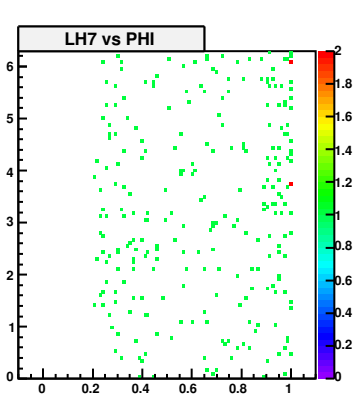




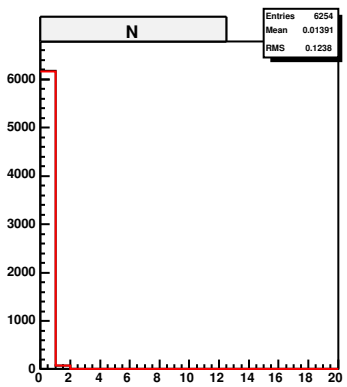


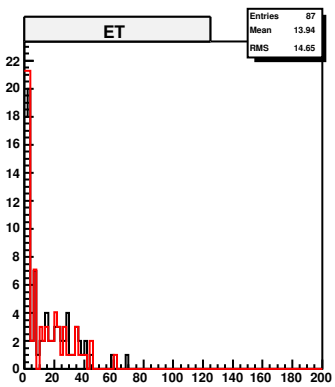


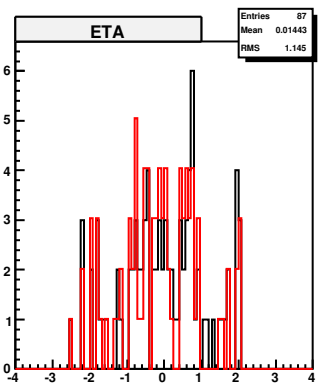


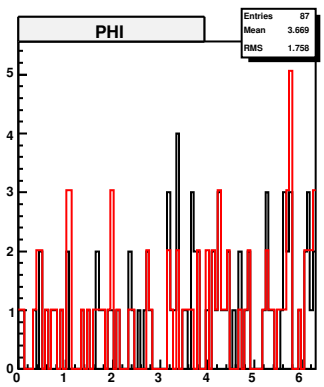


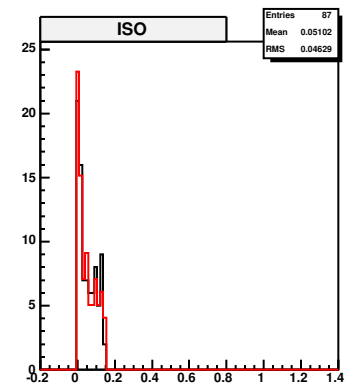
Electrons (SCONE Loose)

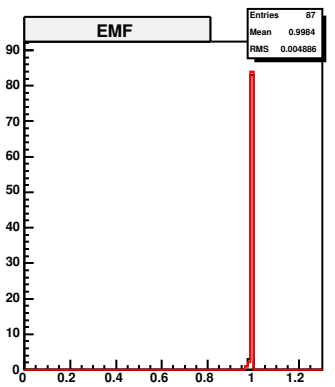


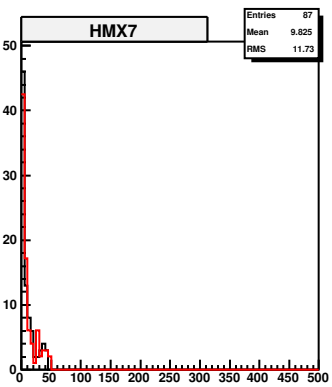


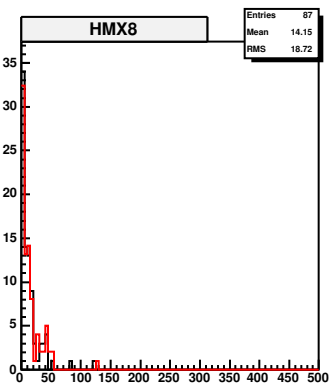


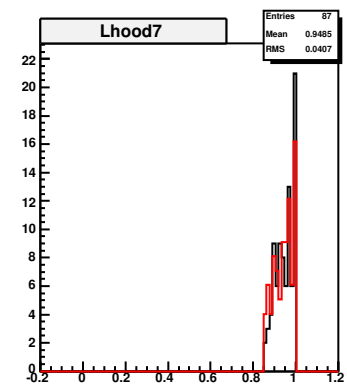


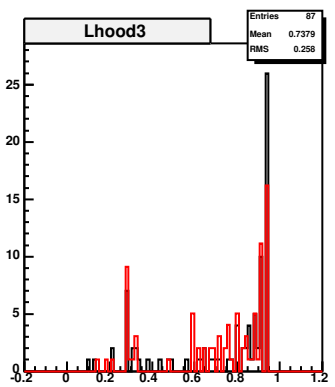


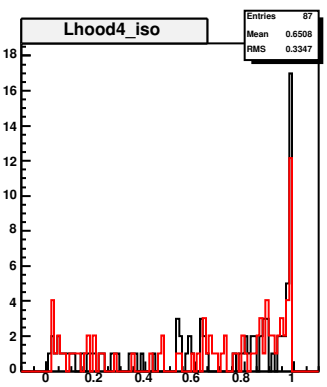


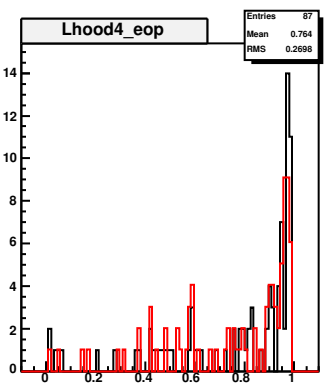


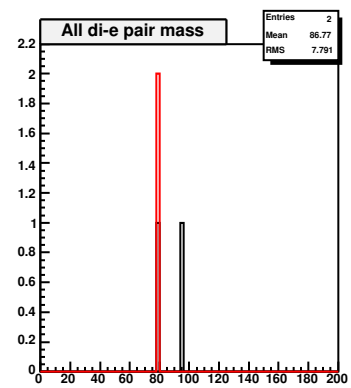


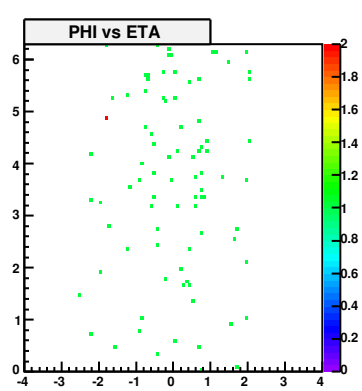


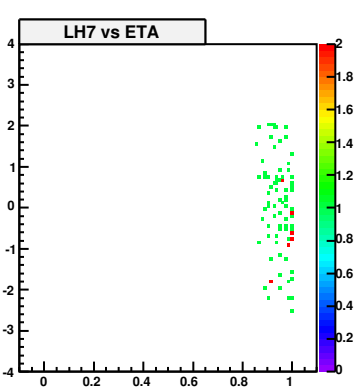


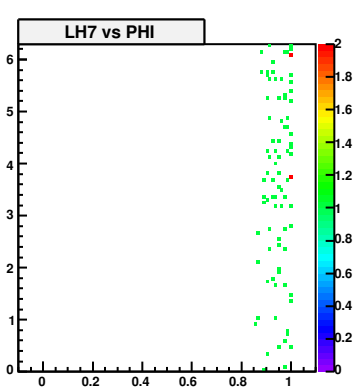




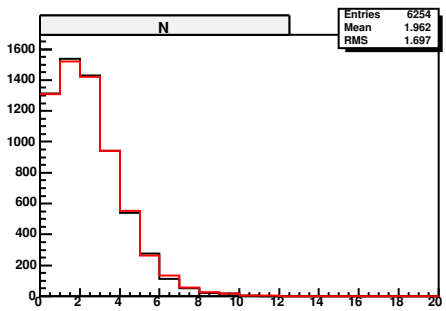


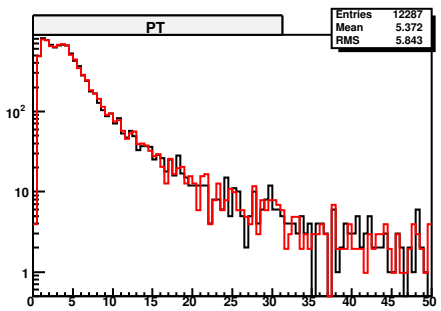


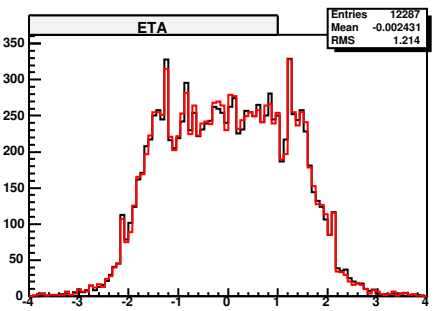


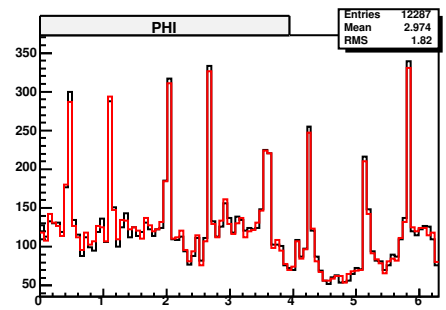


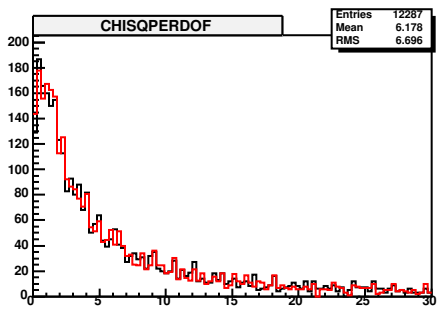
Electrons (SCONE Tight)

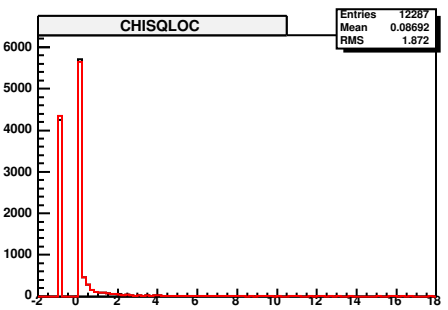

N
Entries 6254
Mean 1.962
RMS 1.697

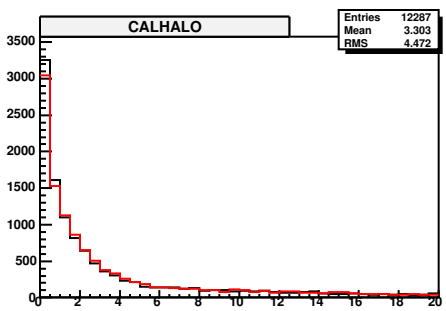

PT
Entries 12287
Mean 5.372
RMS 5.843

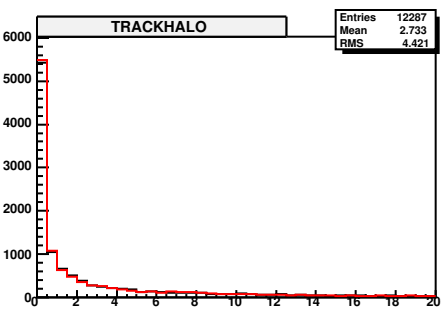

ETA
Entries 12287
Mean -0.002431
RMS 1.214

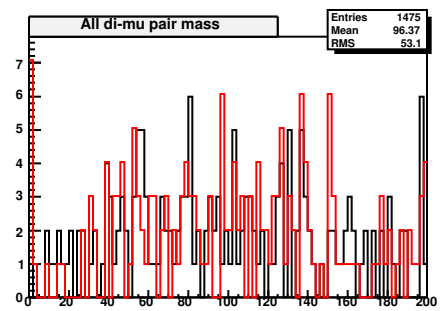

PHI
Entries 12287
Mean 2.974
RMS 1.82

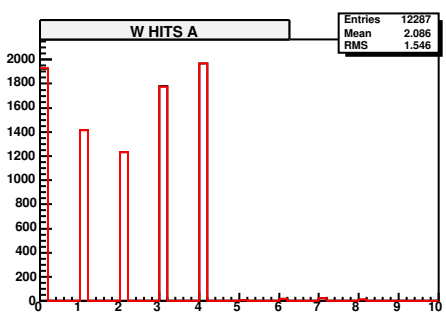

CHISQPERDOF
Entries 12287
Mean 6.178
RMS 6.696

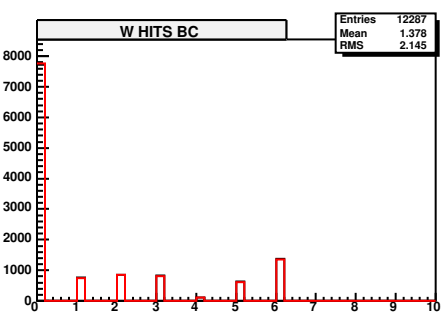

CHISQLOC
Entries 12287
Mean 0.08692
RMS 1.872

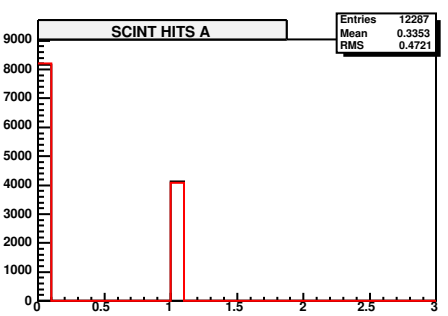

CALHALO
Entries 12287
Mean 3.303
RMS 4.472

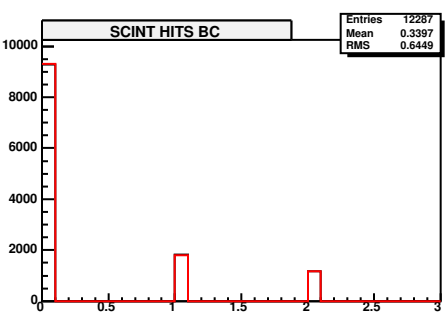

TRACKHALO
Entries 12287
Mean 2.733
RMS 4.421


All di-mu pair mass
Entries 1475
Mean 96.37
RMS 53.1

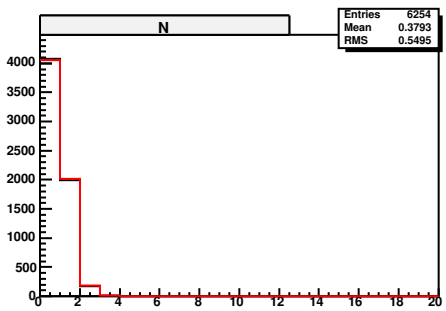

W HITS A
Entries 12287
Mean 2.086
RMS 1.546

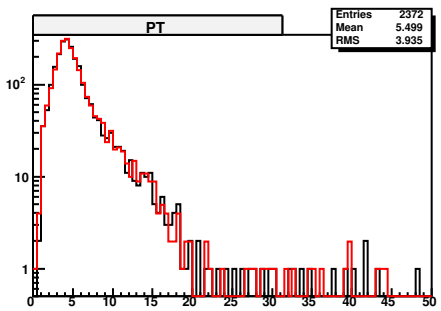

W HITS BC
Entries 12287
Mean 1.378
RMS 2.145

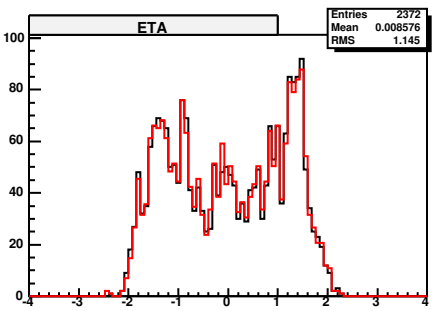

SCINT HITS A
Entries 12287
Mean 0.3353
RMS 0.4721

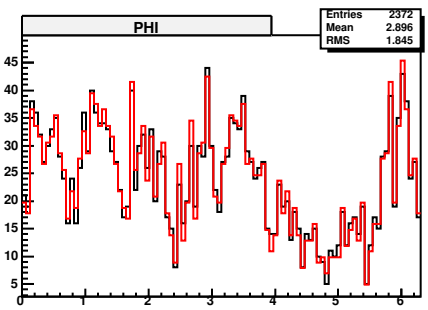

SCINT HITS BC
Entries 12287
Mean 0.3397
RMS 0.6449

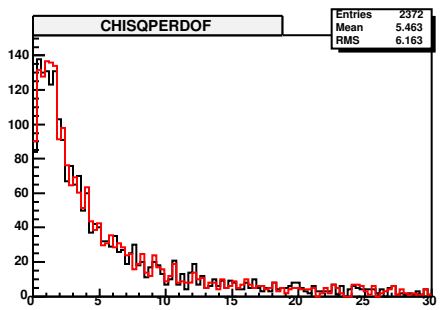
Muons (All)

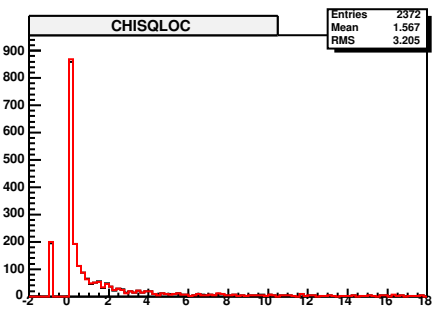


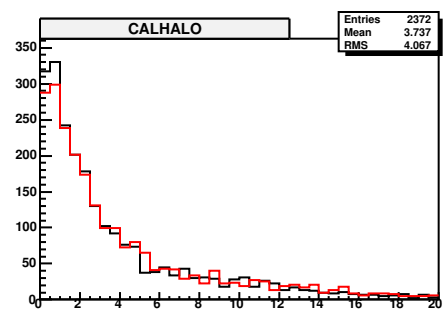


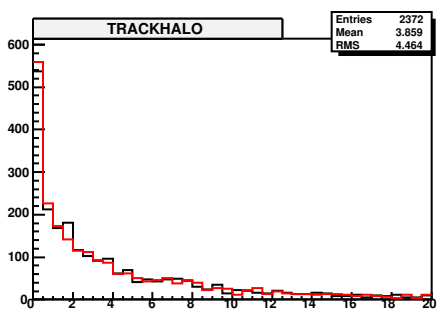


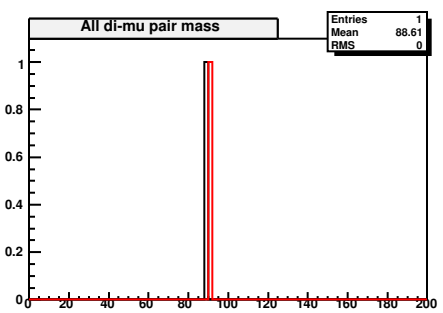


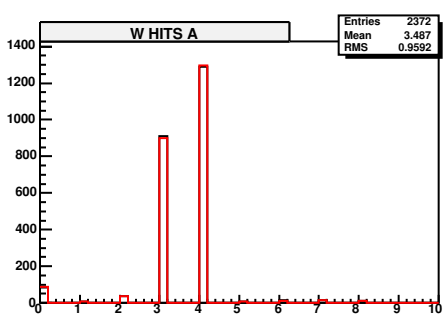


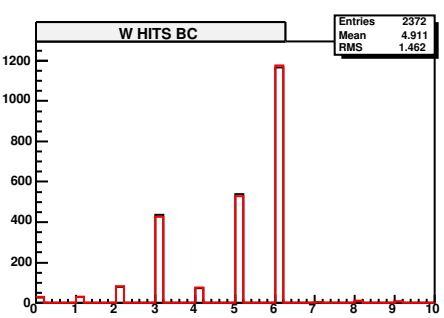


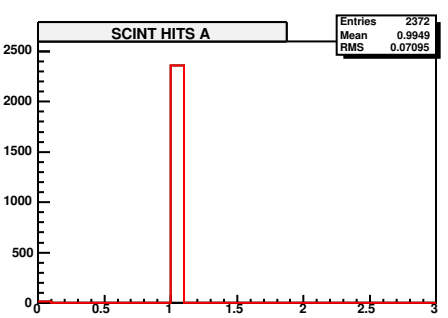


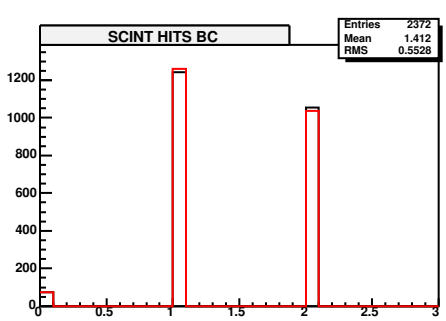




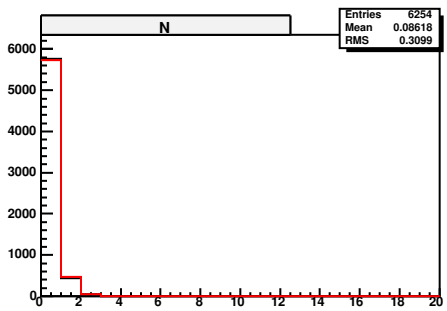


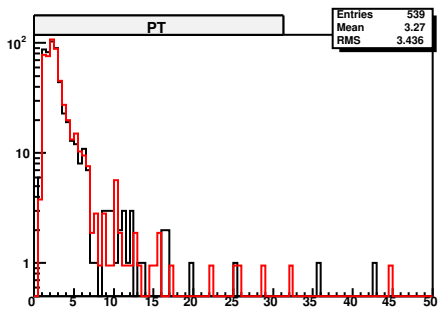


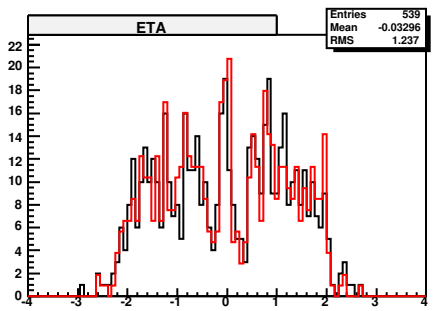


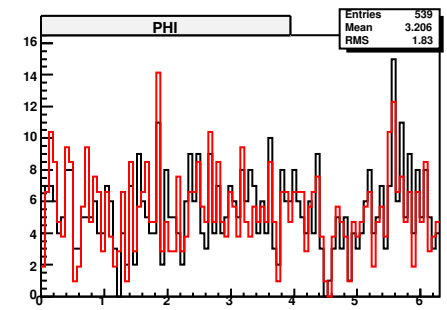


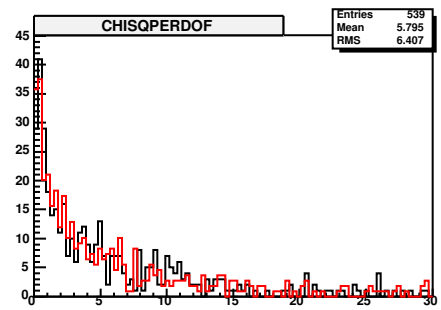
Muons (Matched)

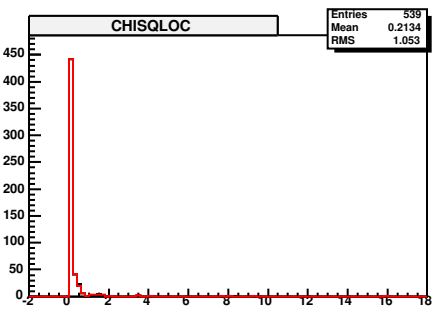

N
Entries 6254
Mean 0.08618
RMS 0.3099

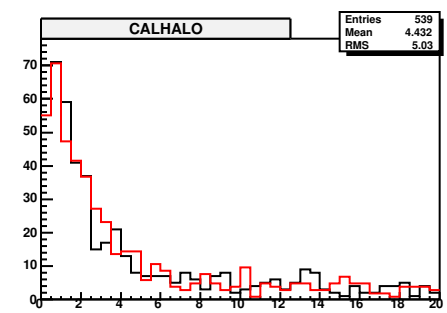

PT
Entries 539
Mean 3.27
RMS 3.436

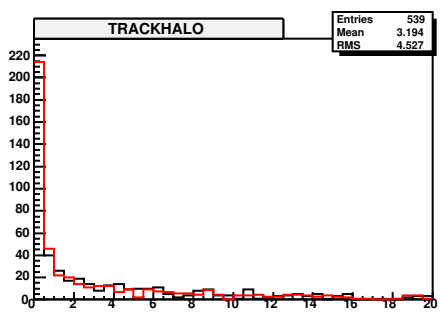

ETA
Entries 539
Mean -0.03296
RMS 1.237

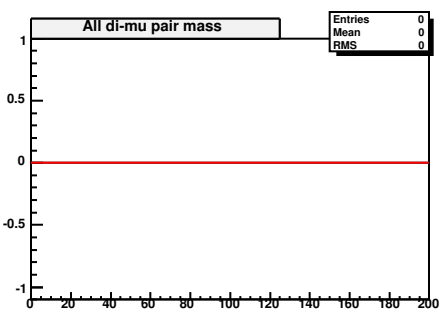

PHI
Entries 539
Mean 3.206
RMS 1.83

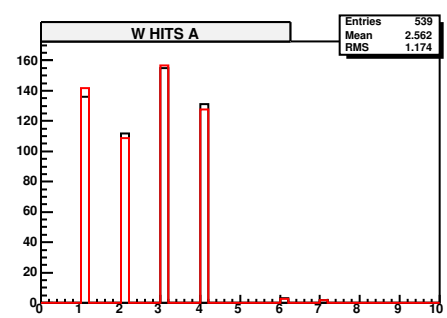

CHISQPERDOF
Entries 539
Mean 5.795
RMS 6.407

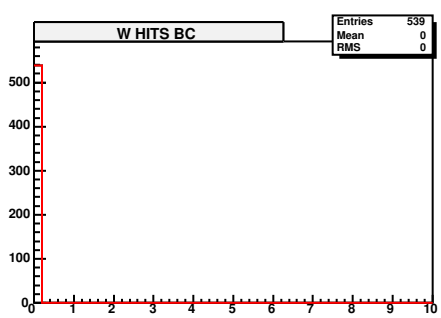

CHISQLOC
Entries 539
Mean 0.2134
RMS 1.053

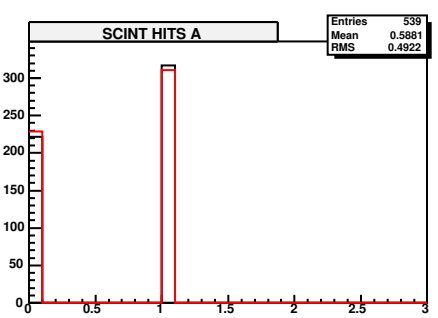

CALHALO
Entries 539
Mean 4.432
RMS 5.03

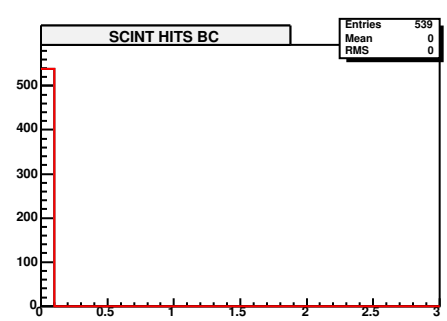

TRACKHALO
Entries 539
Mean 3.194
RMS 4.527


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

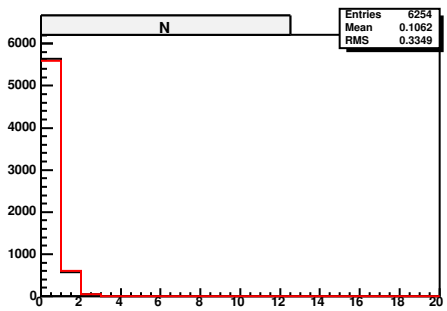

W HITS A
Entries 539
Mean 2.562
RMS 1.174

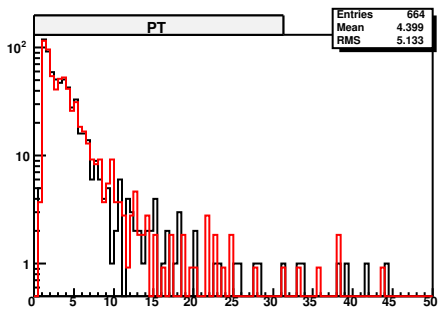

W HITS BC
Entries 539
Mean 0
RMS 0

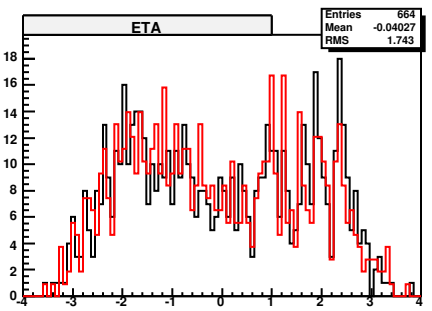

SCINT HITS A
Entries 539
Mean 0.5881
RMS 0.4922

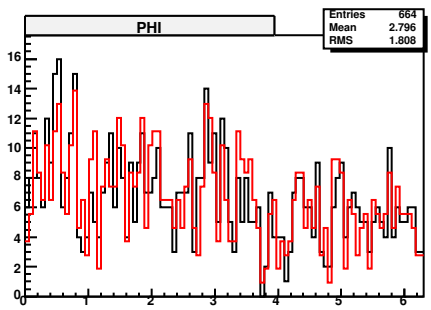

SCINT HITS BC
Entries 539
Mean 0
RMS 0

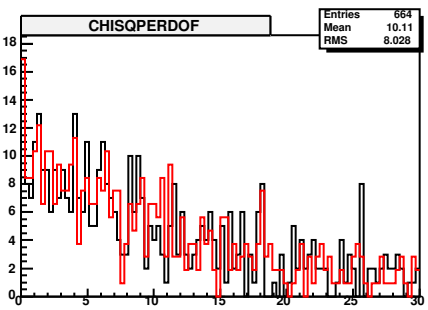
Muons (Astub)

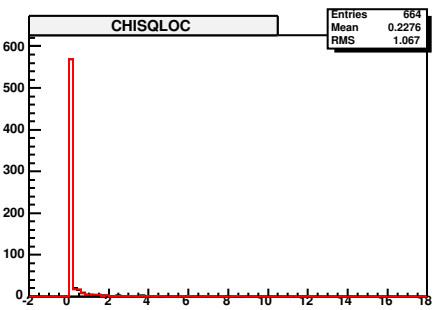


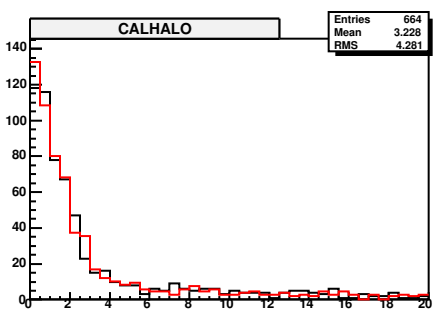


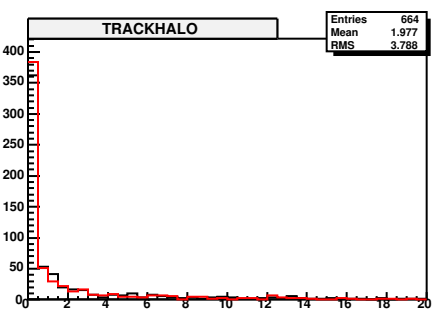


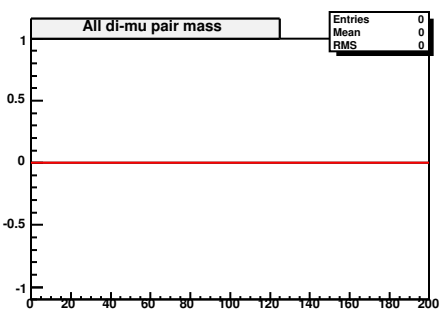


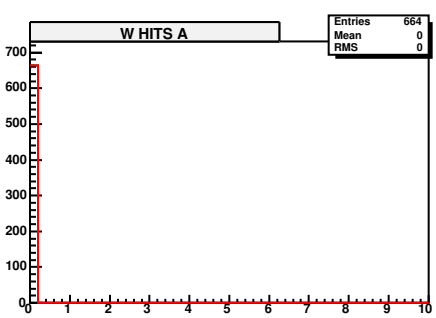


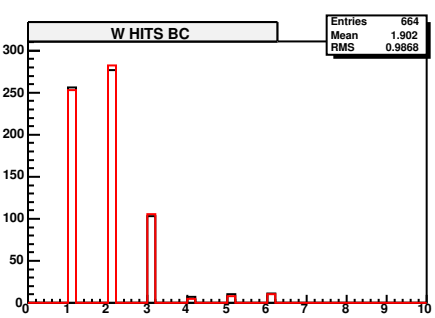


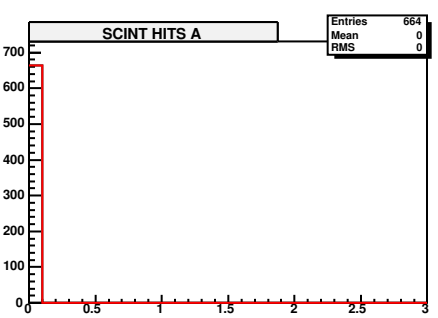


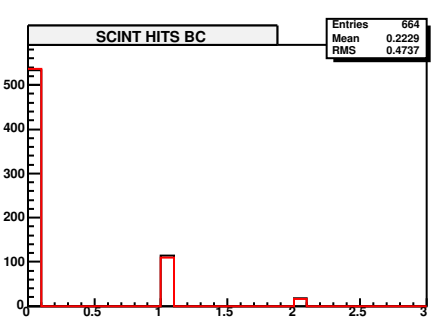




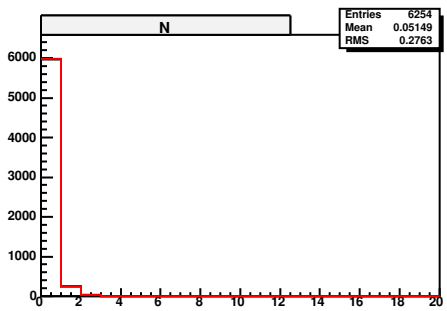


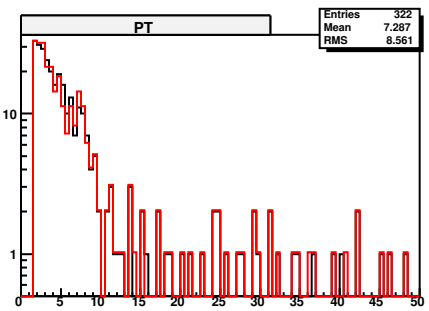


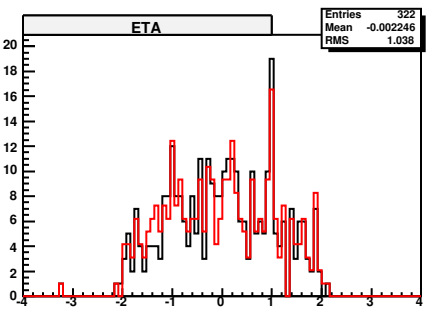


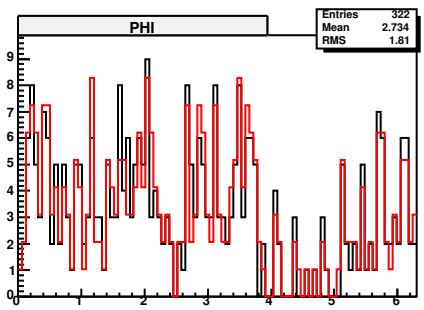


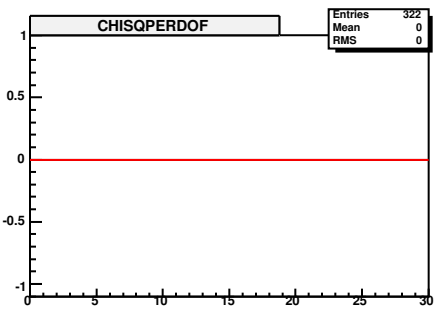
Muons (BCstub)

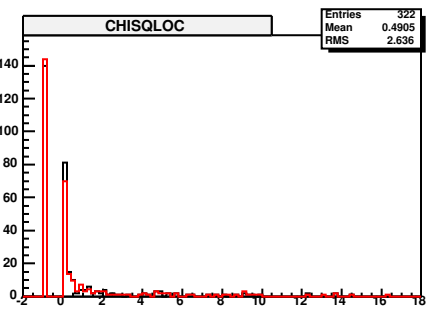


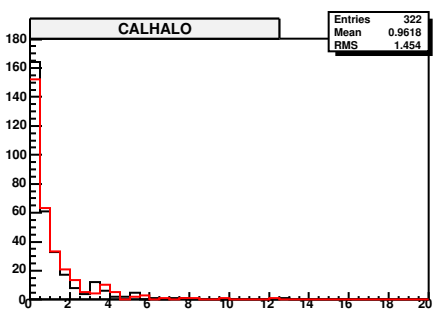


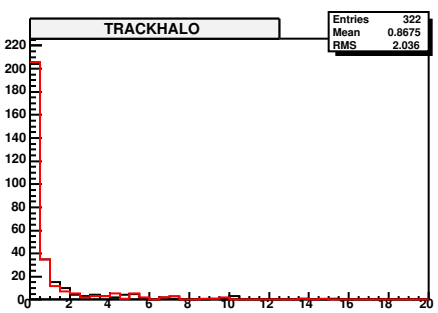


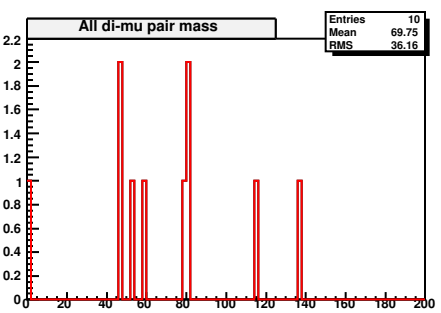


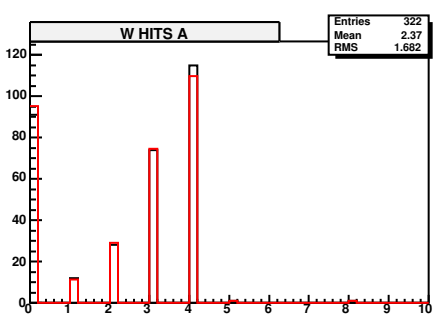


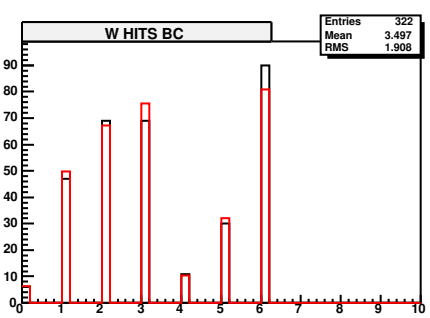


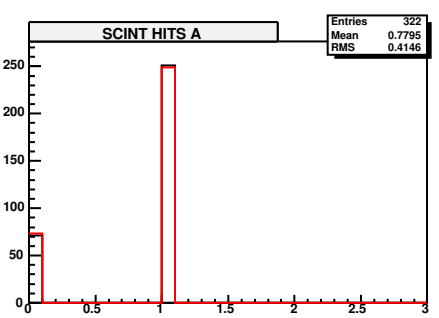


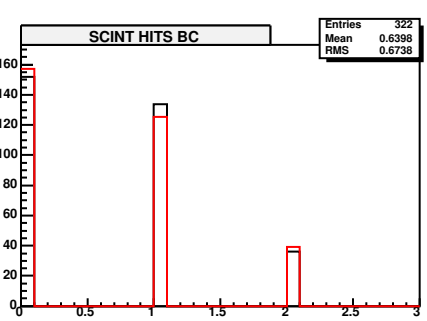




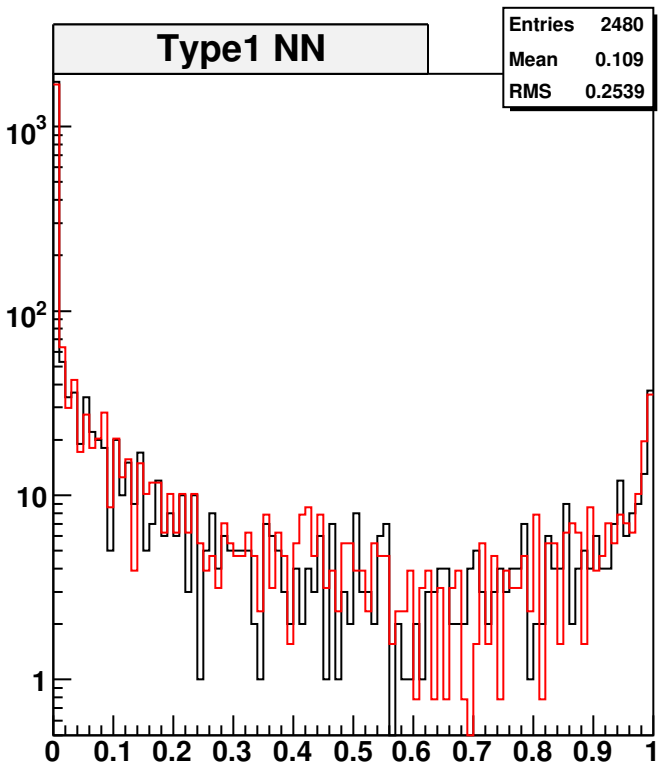


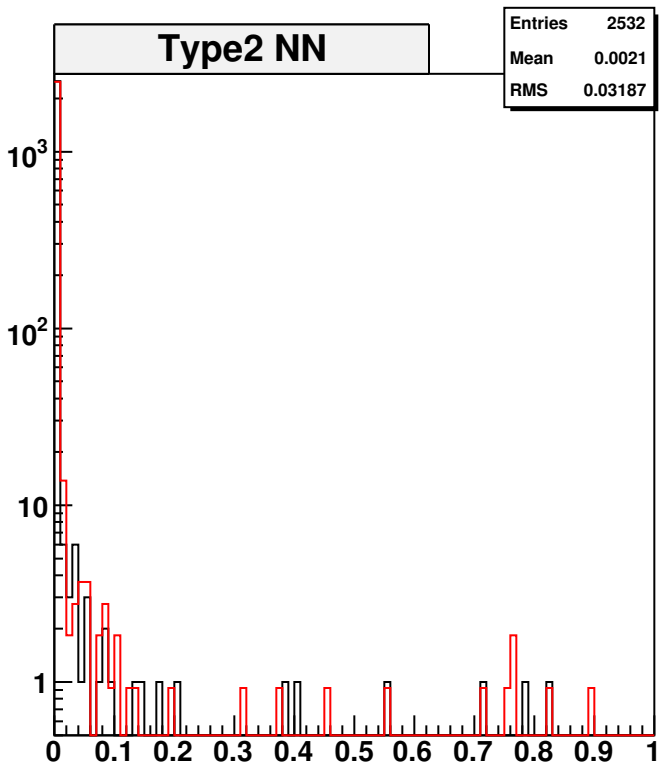


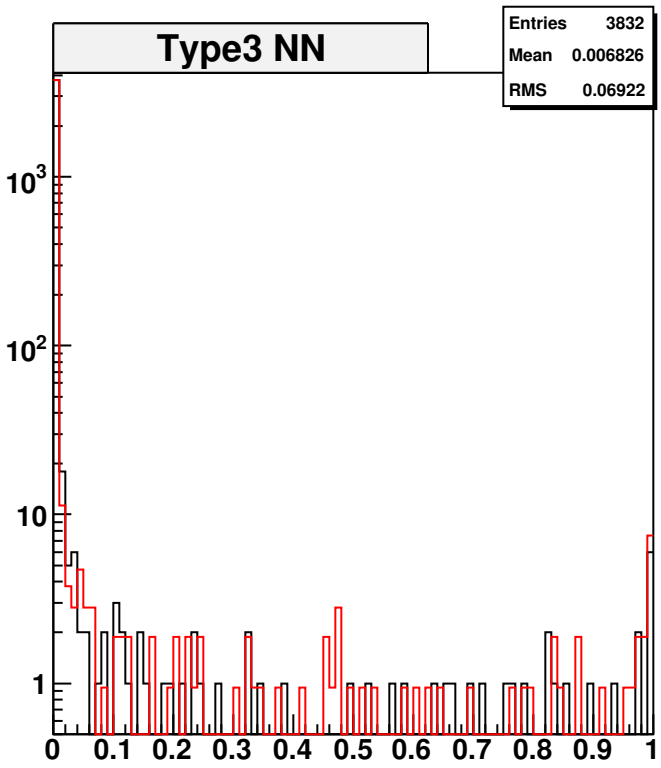


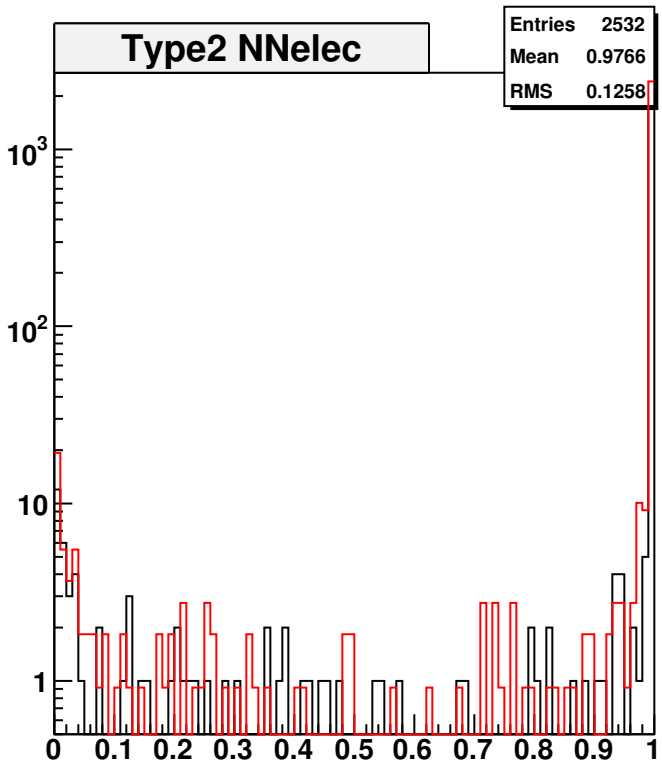


Muons (Unmatched)

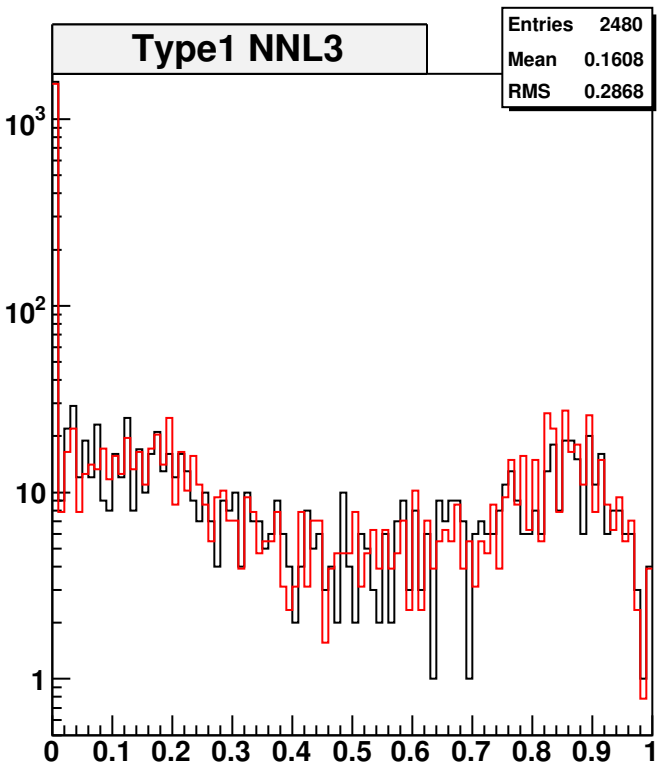


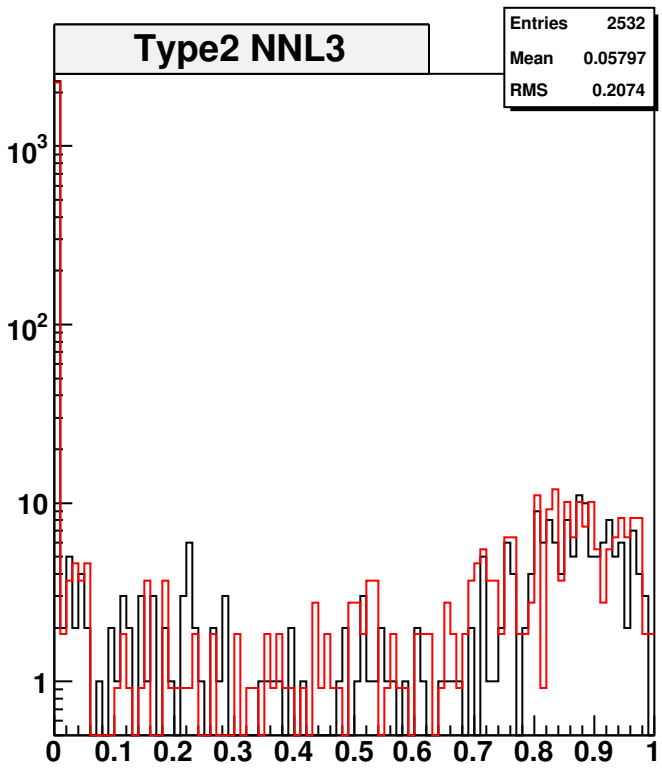


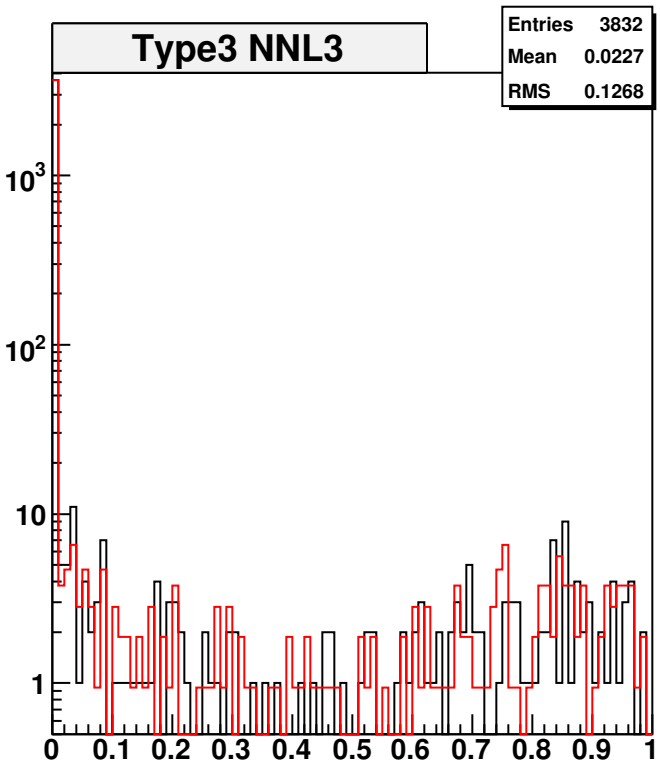


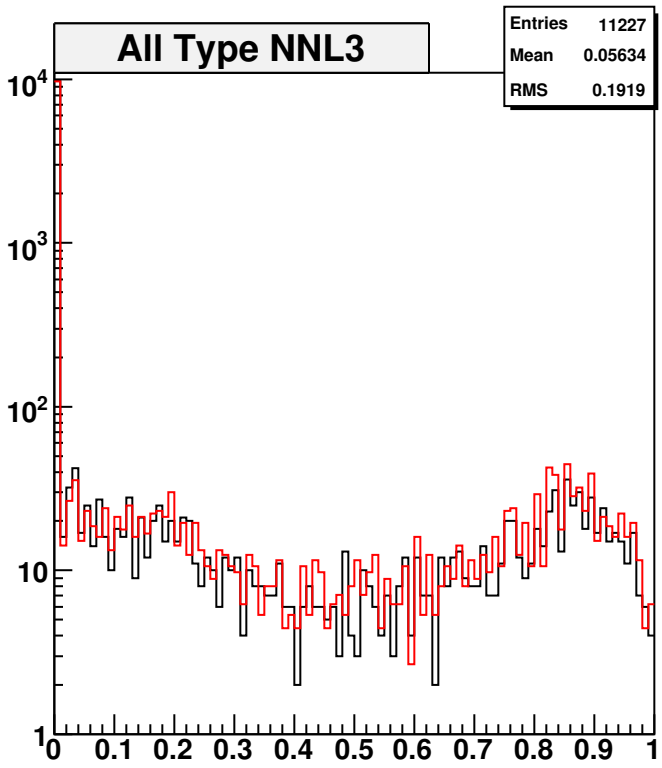


Taus NN (TAU All)

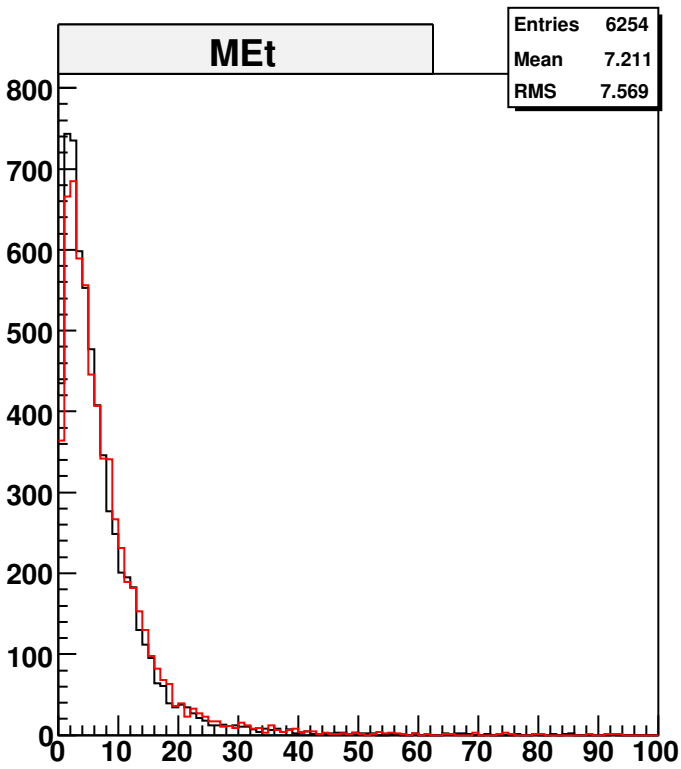








Taus NNL3 (TAU All)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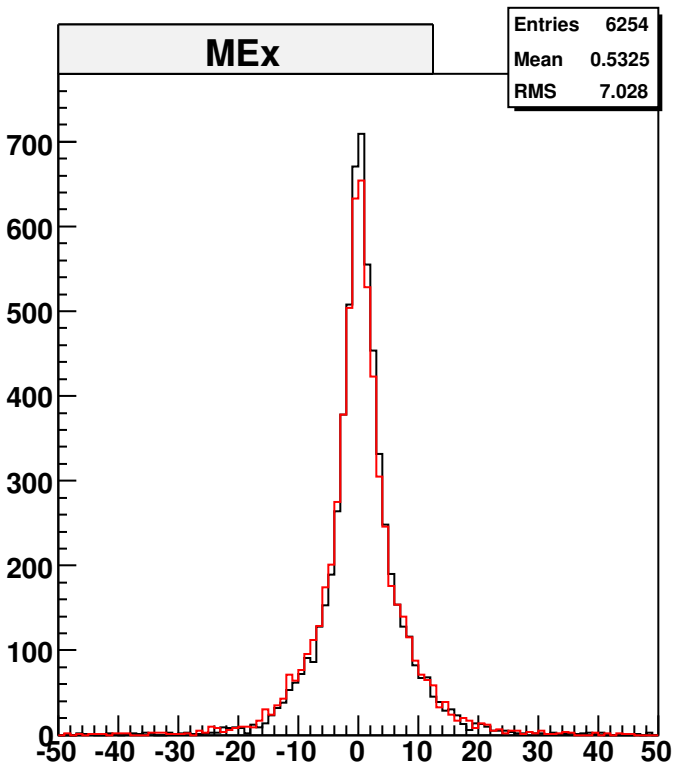
Mean 7.211
RMS 7.569
800
700
600
500
400
300
200
100
0
0 10 20 30 40 50 60 70 80 90 100


MEx
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Mean 0.5325
RMS 7.028
700
600
500
400
300
200
100
0
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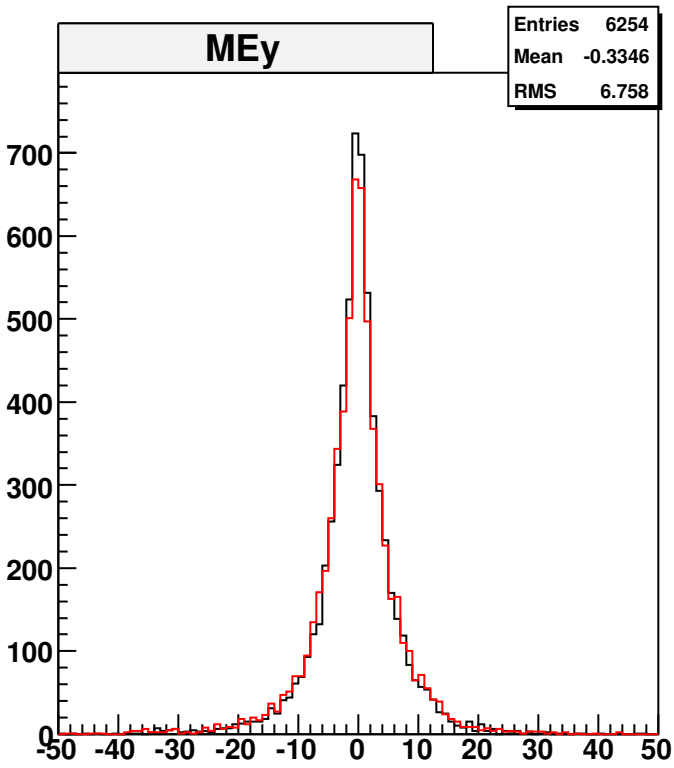
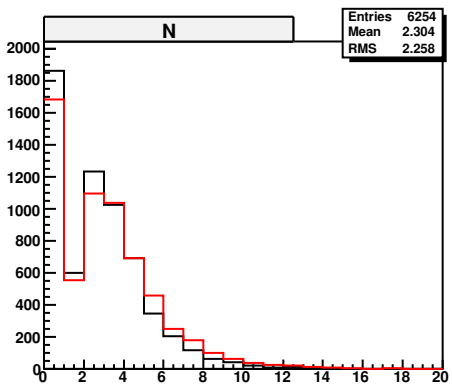
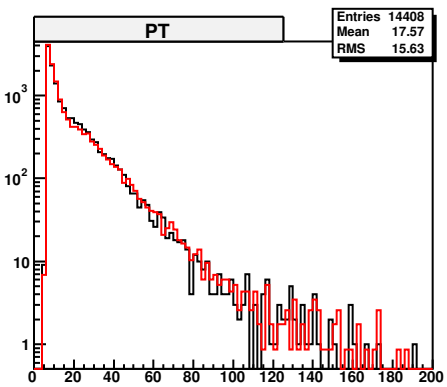
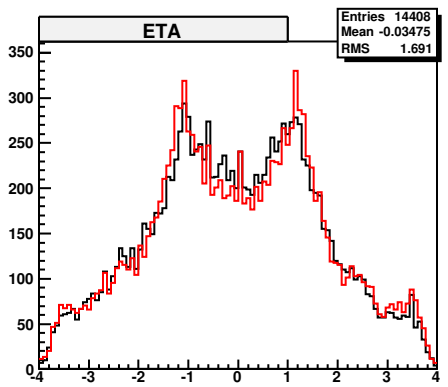
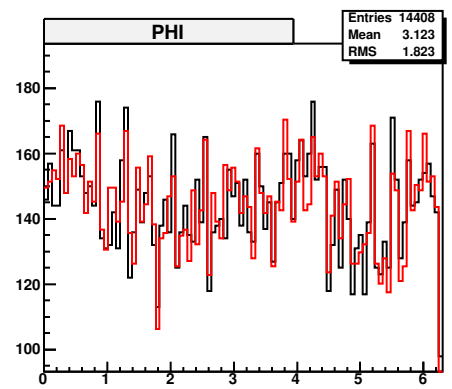

MEy
Entries 6254
Mean -0.3346
RMS 6.758
700
600
500
400
300
200
100
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

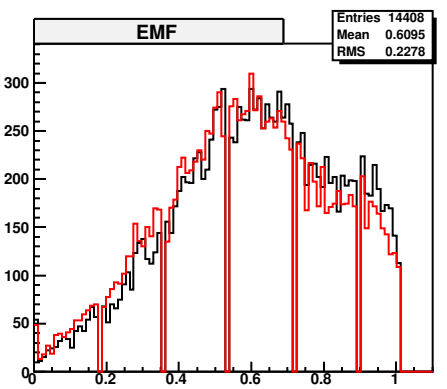
Met (No cuts)

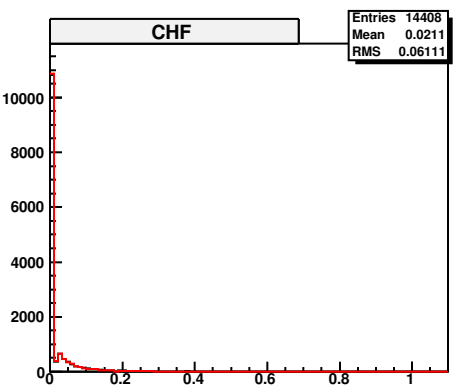


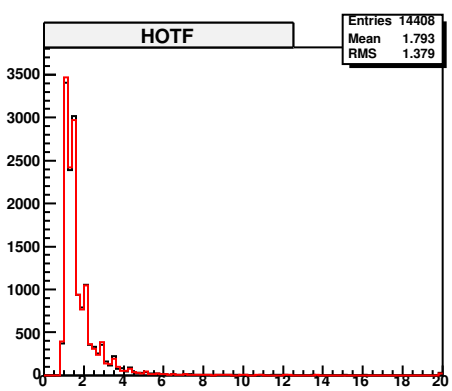


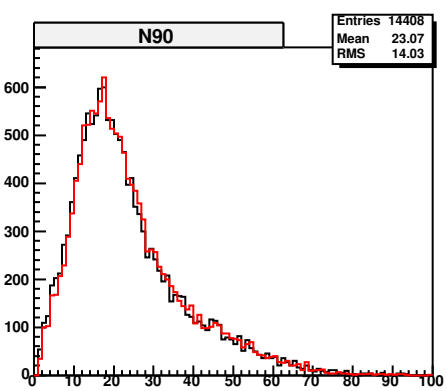


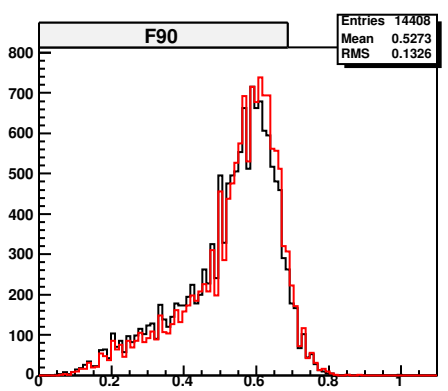


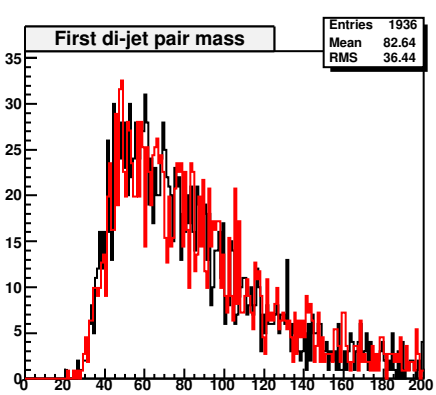


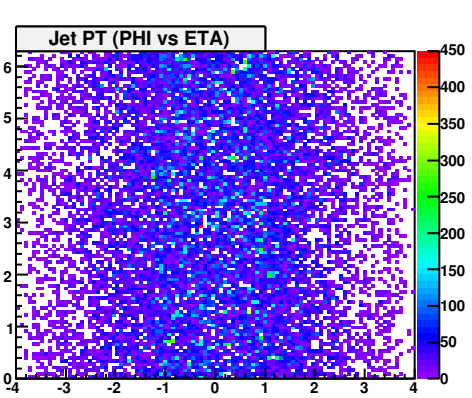




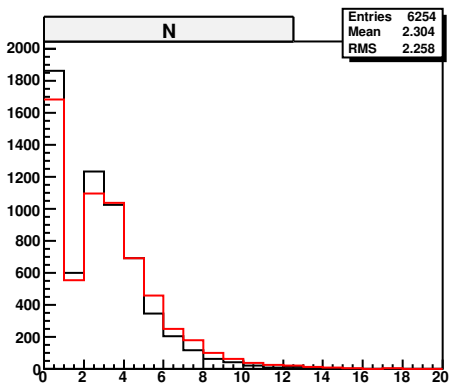


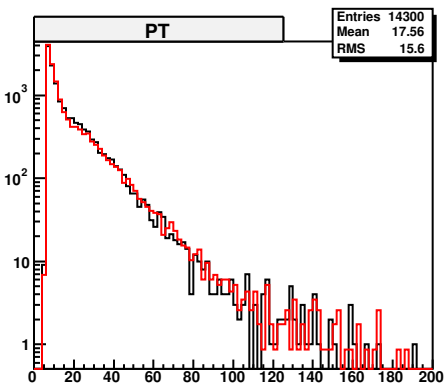


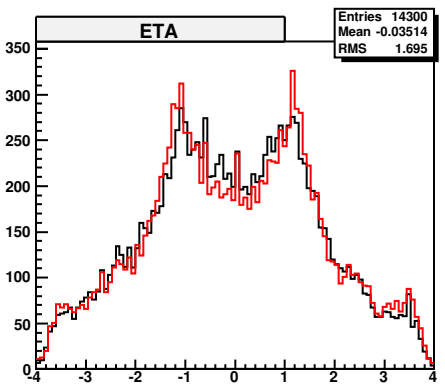


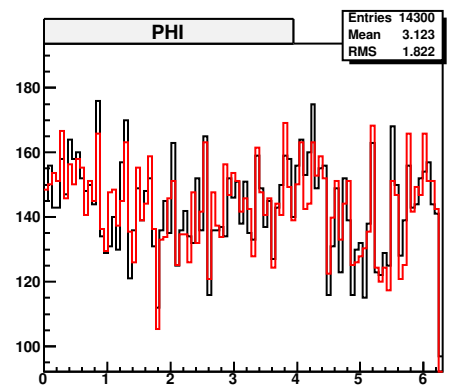


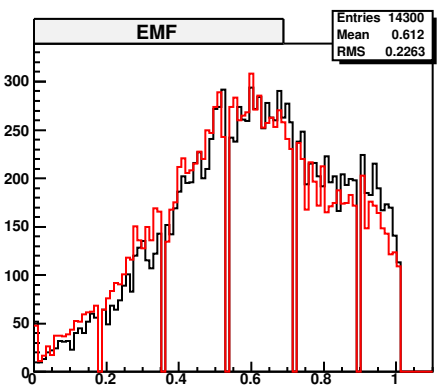
Jets (Cone R 0.7 (no cuts))

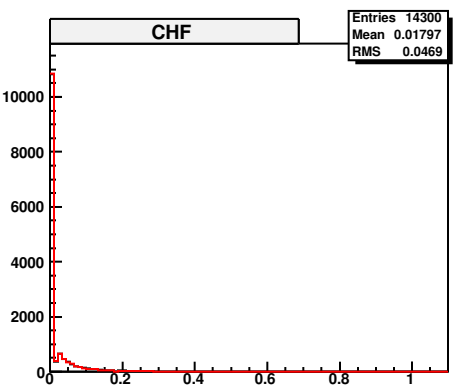


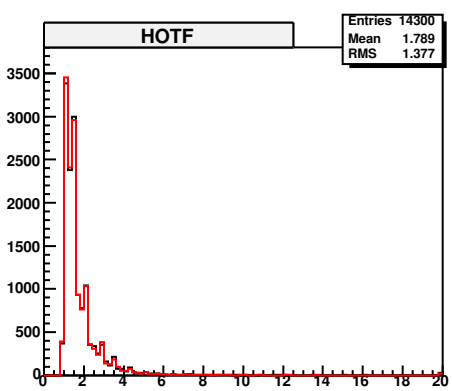


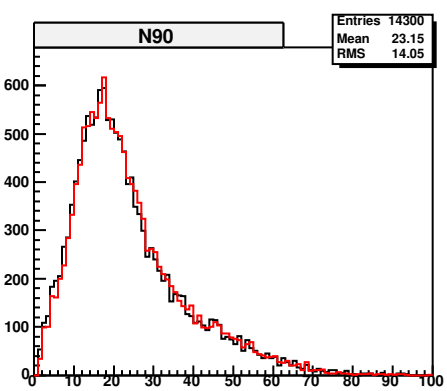


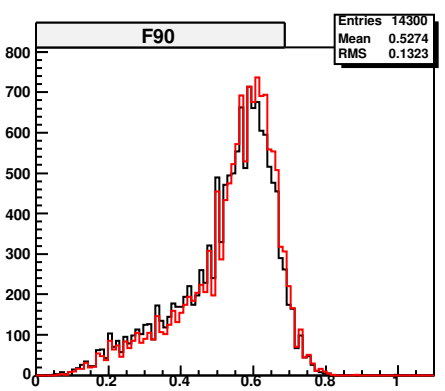


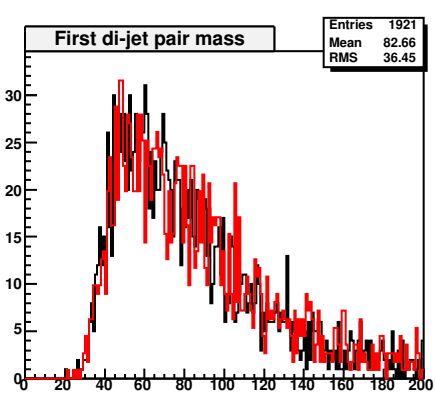


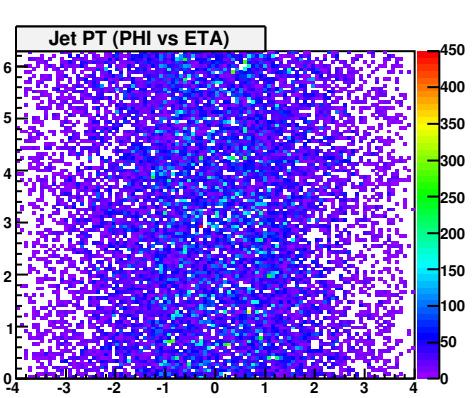




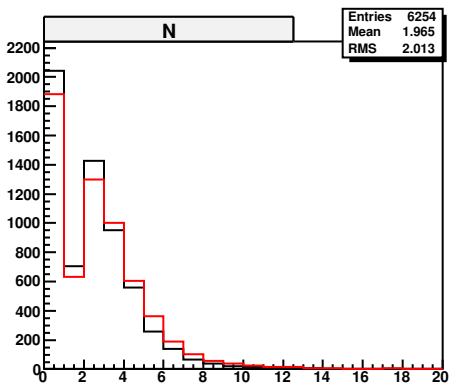


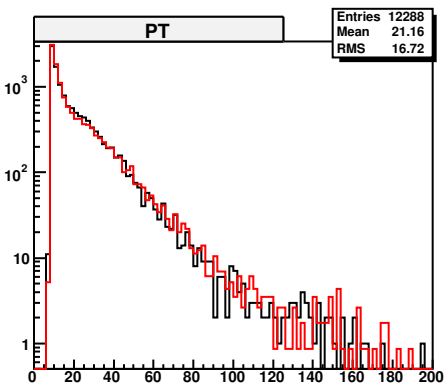


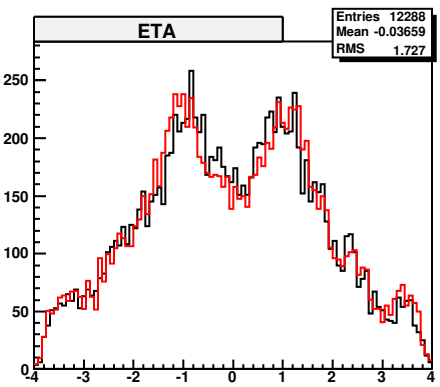


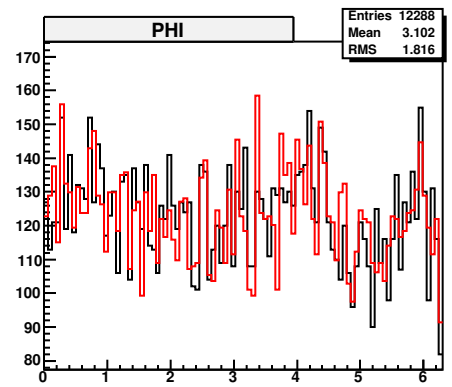


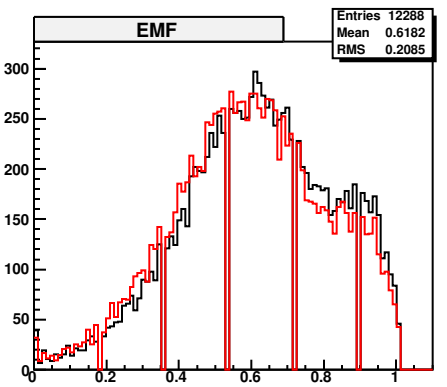
Jets (Cone R 0.7 (standard cuts))

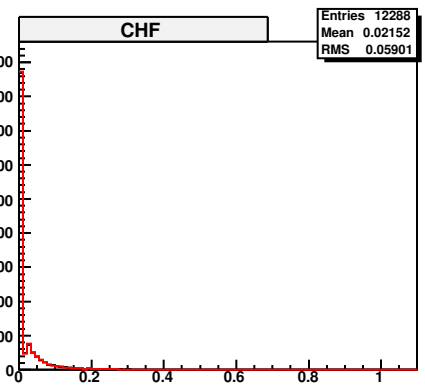


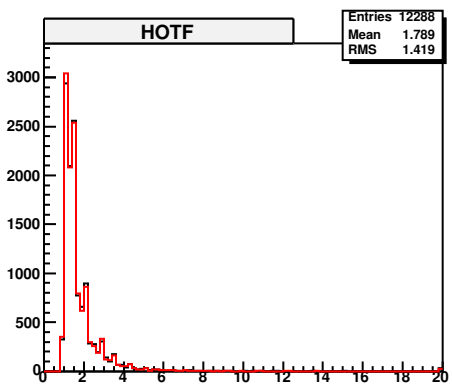


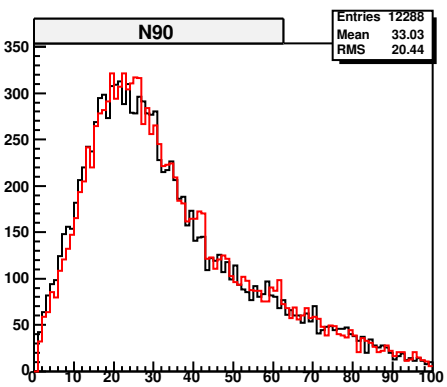


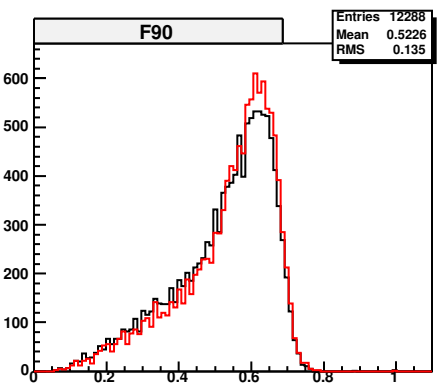


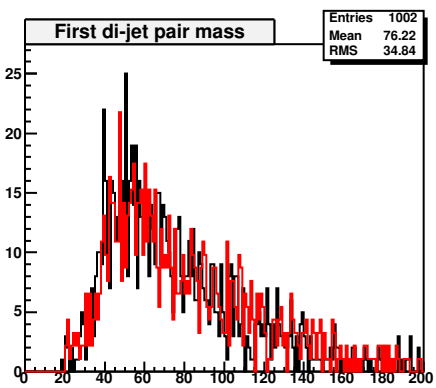


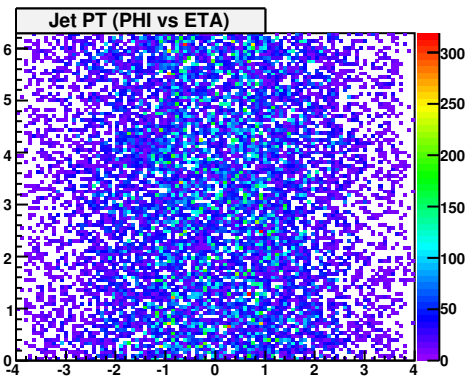




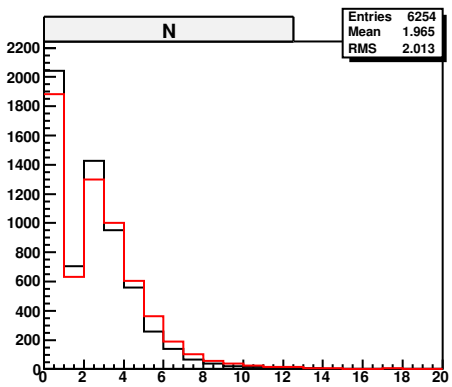


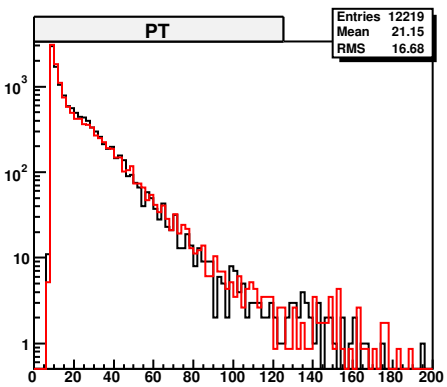


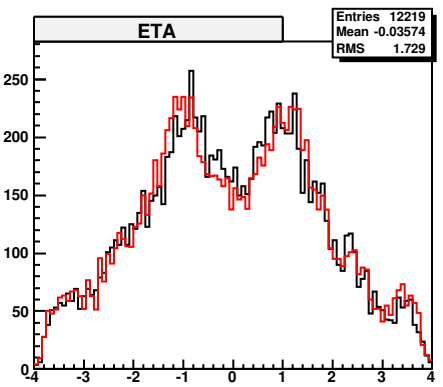


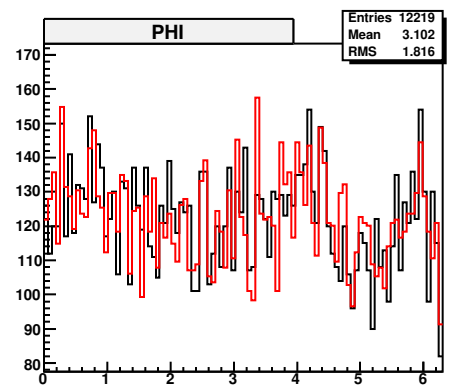


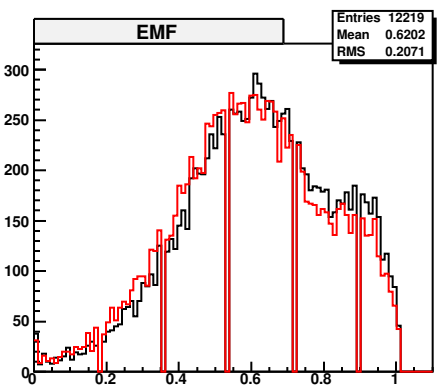
Jets (KT D 1 (no cuts))

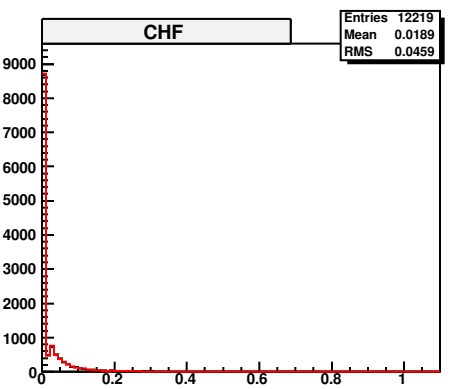


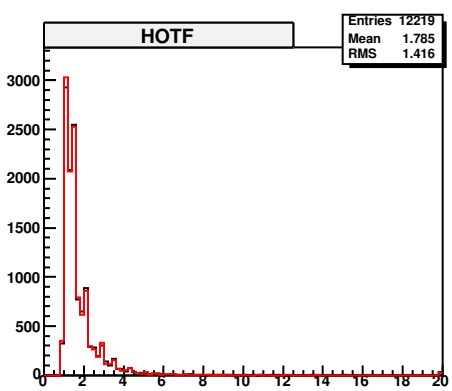


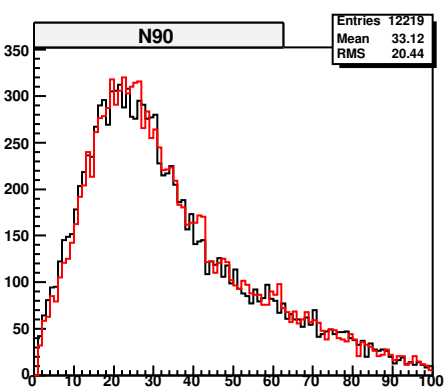


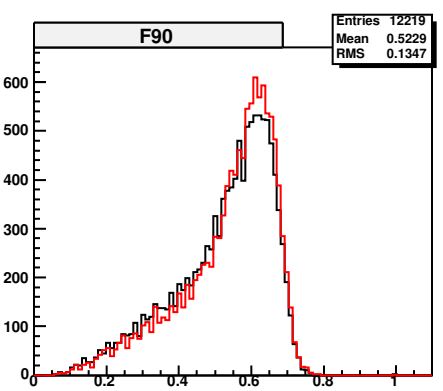


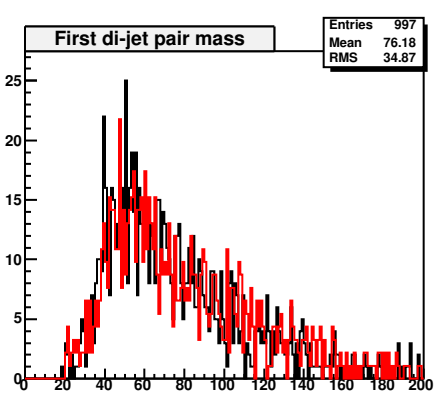


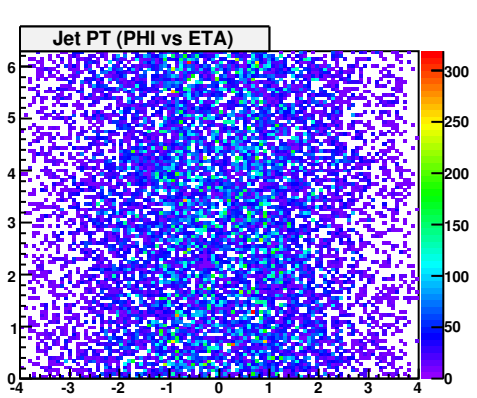




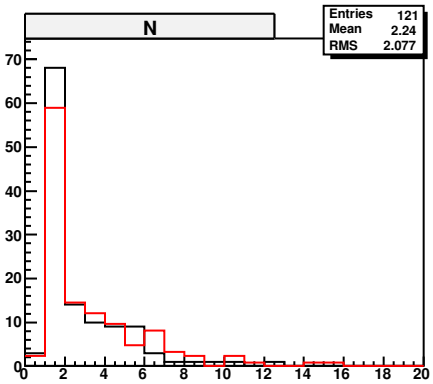


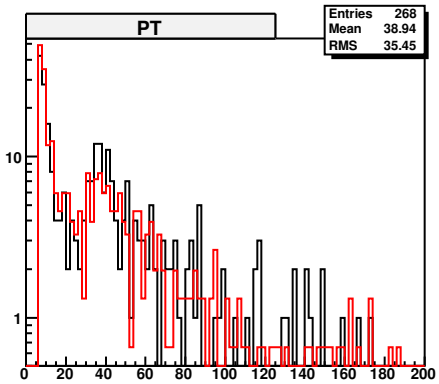


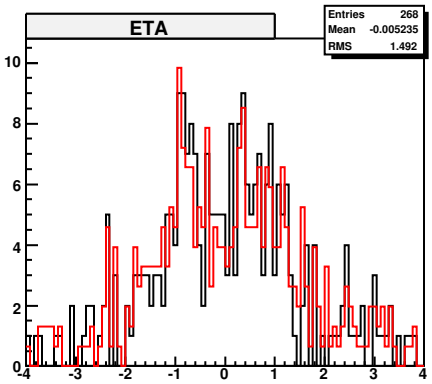


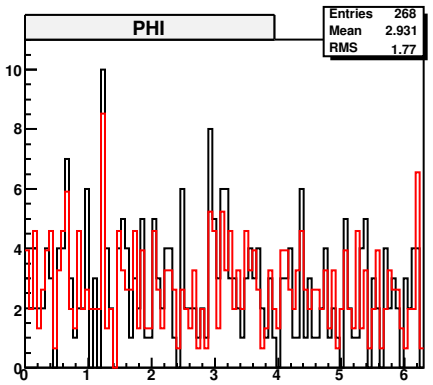


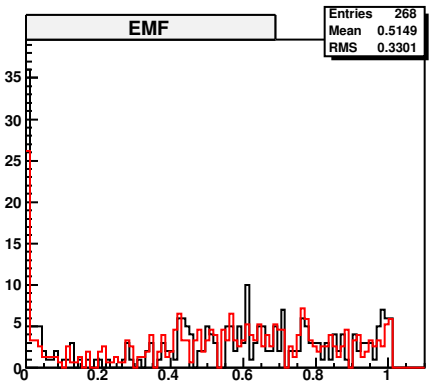
Jets (KT D 1 (standard cuts))

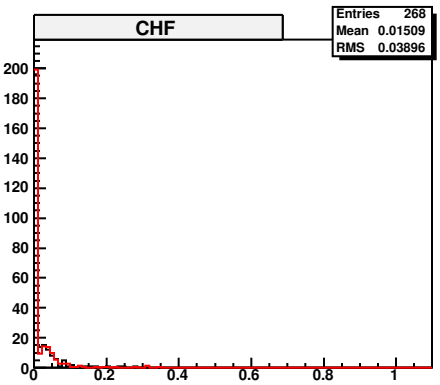


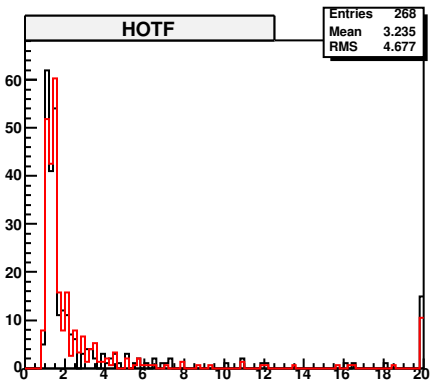


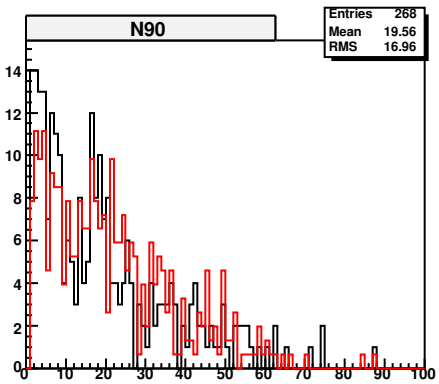


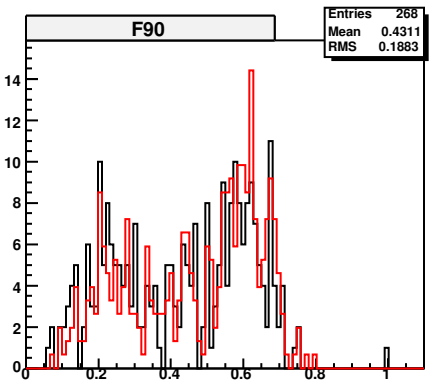


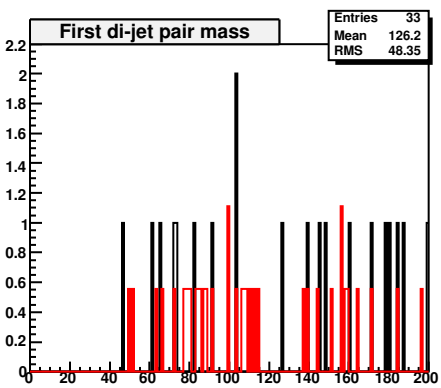


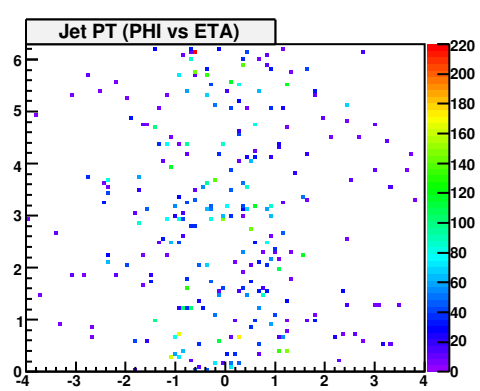




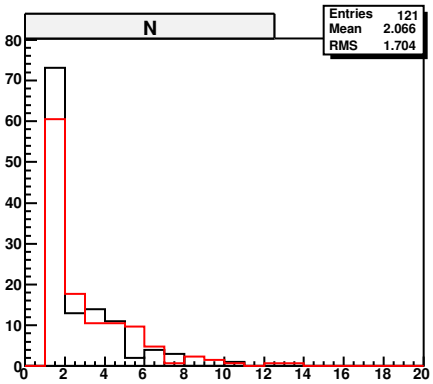


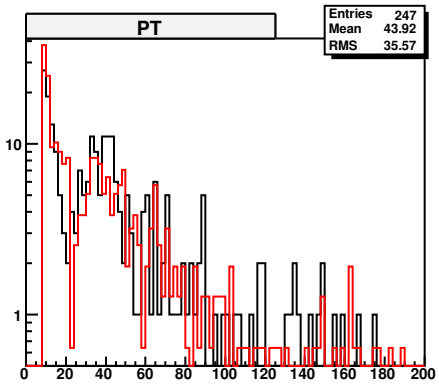


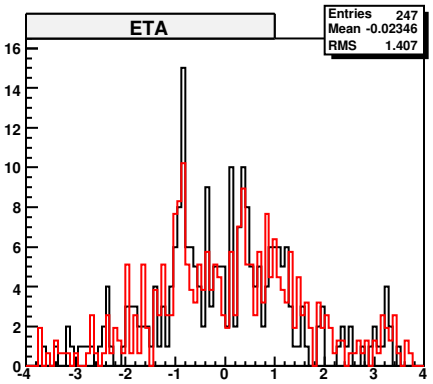


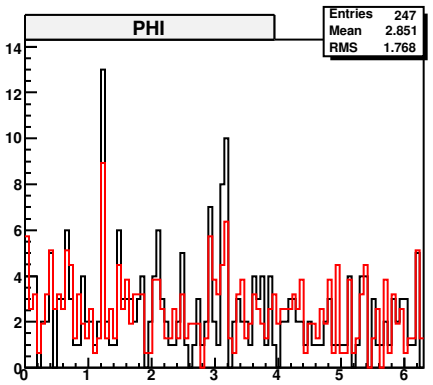


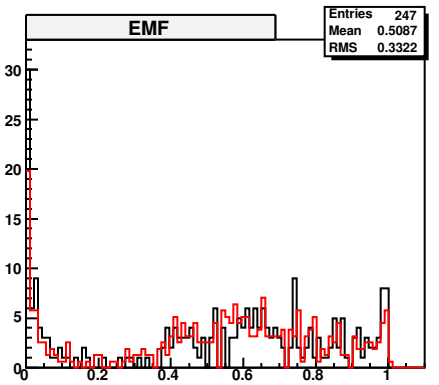
Jets (Cone R 0.7 (standard cuts, MET>30))

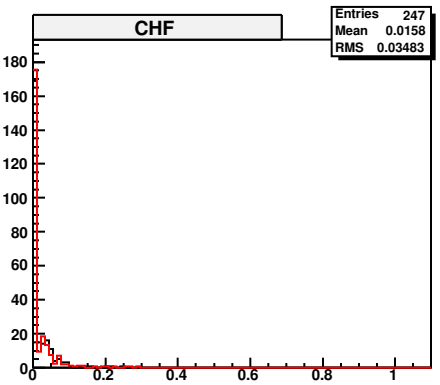


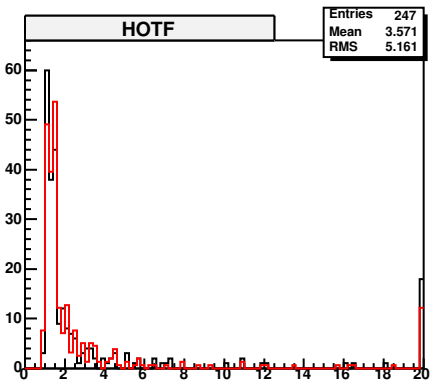


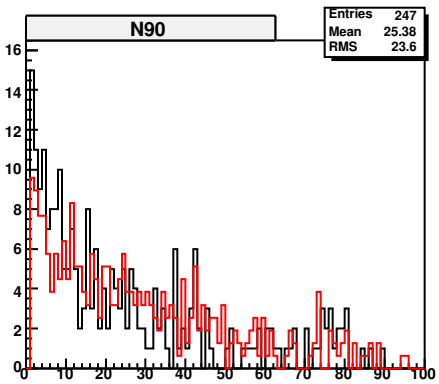


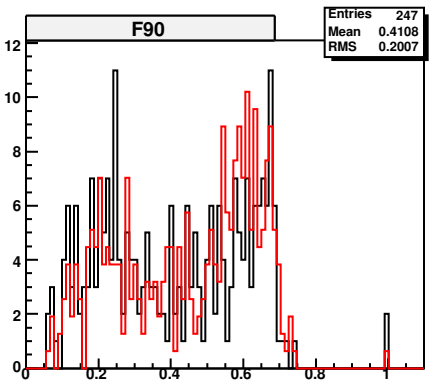


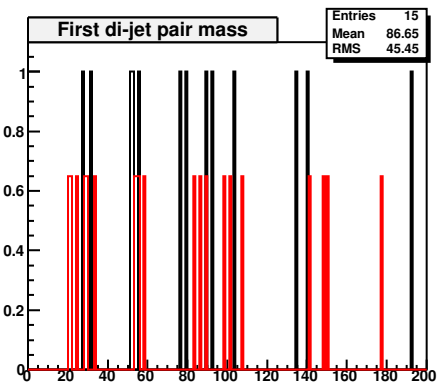


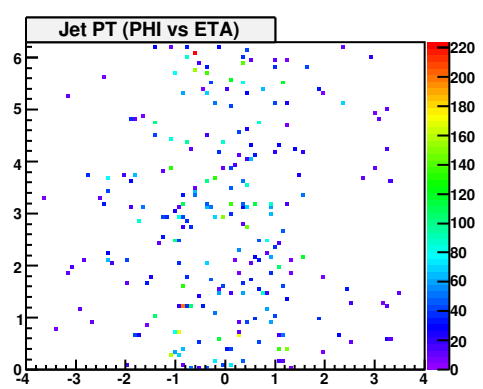




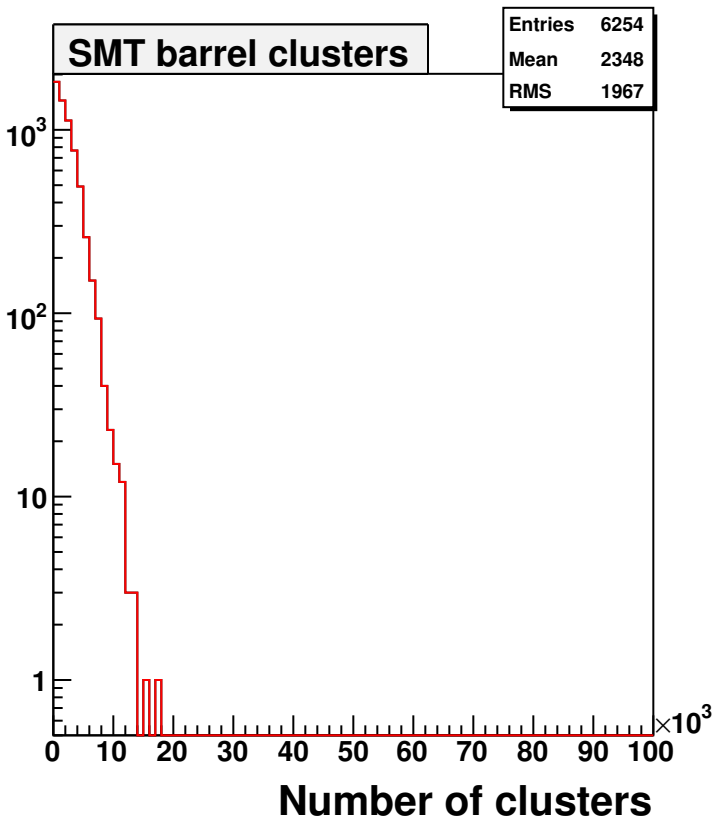


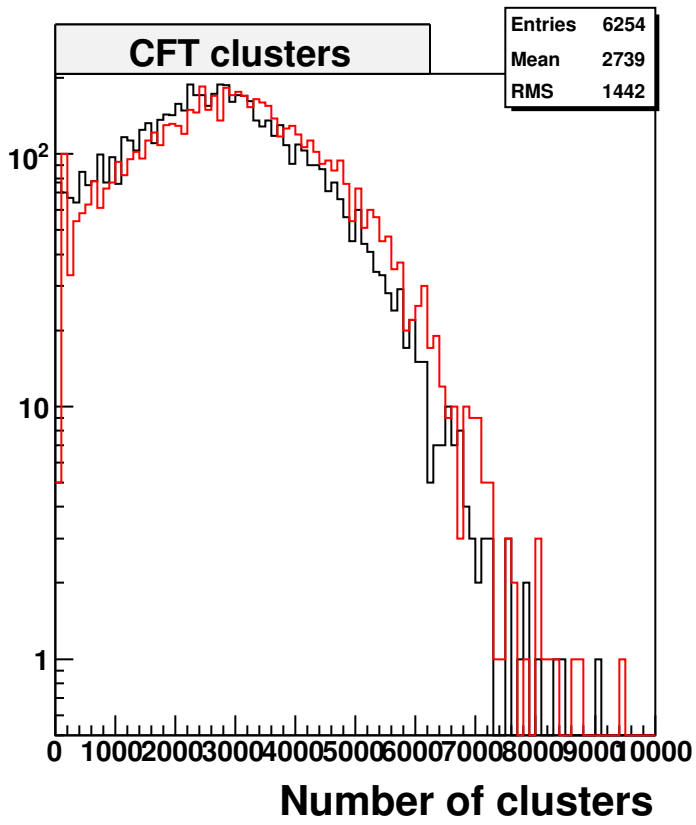


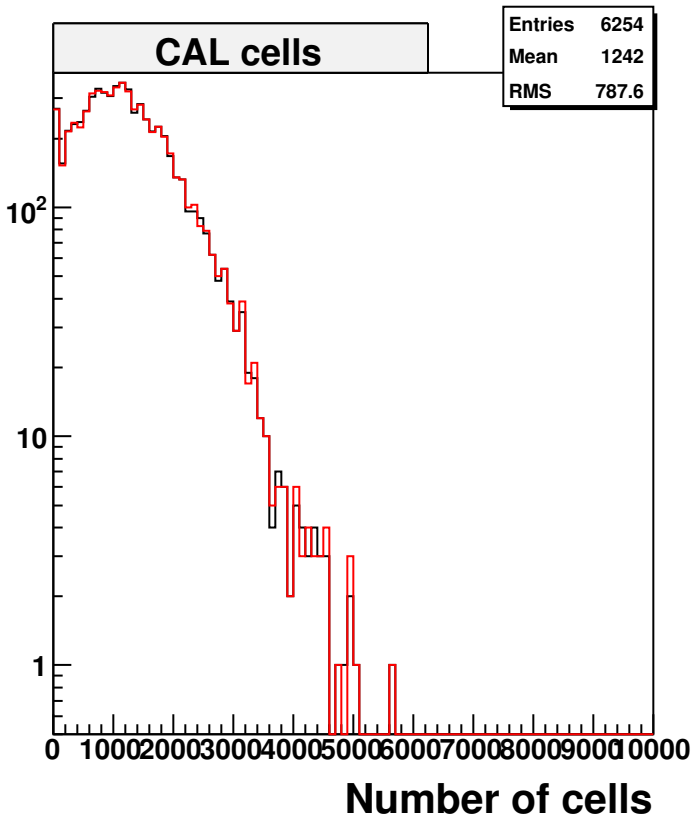


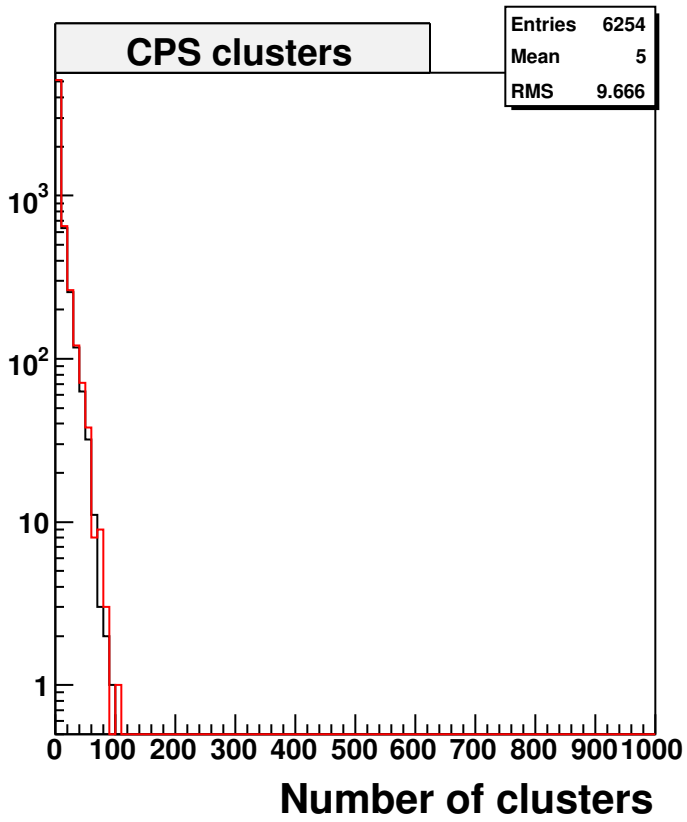


Jets (KT D 1 (standard cuts, MET>30))

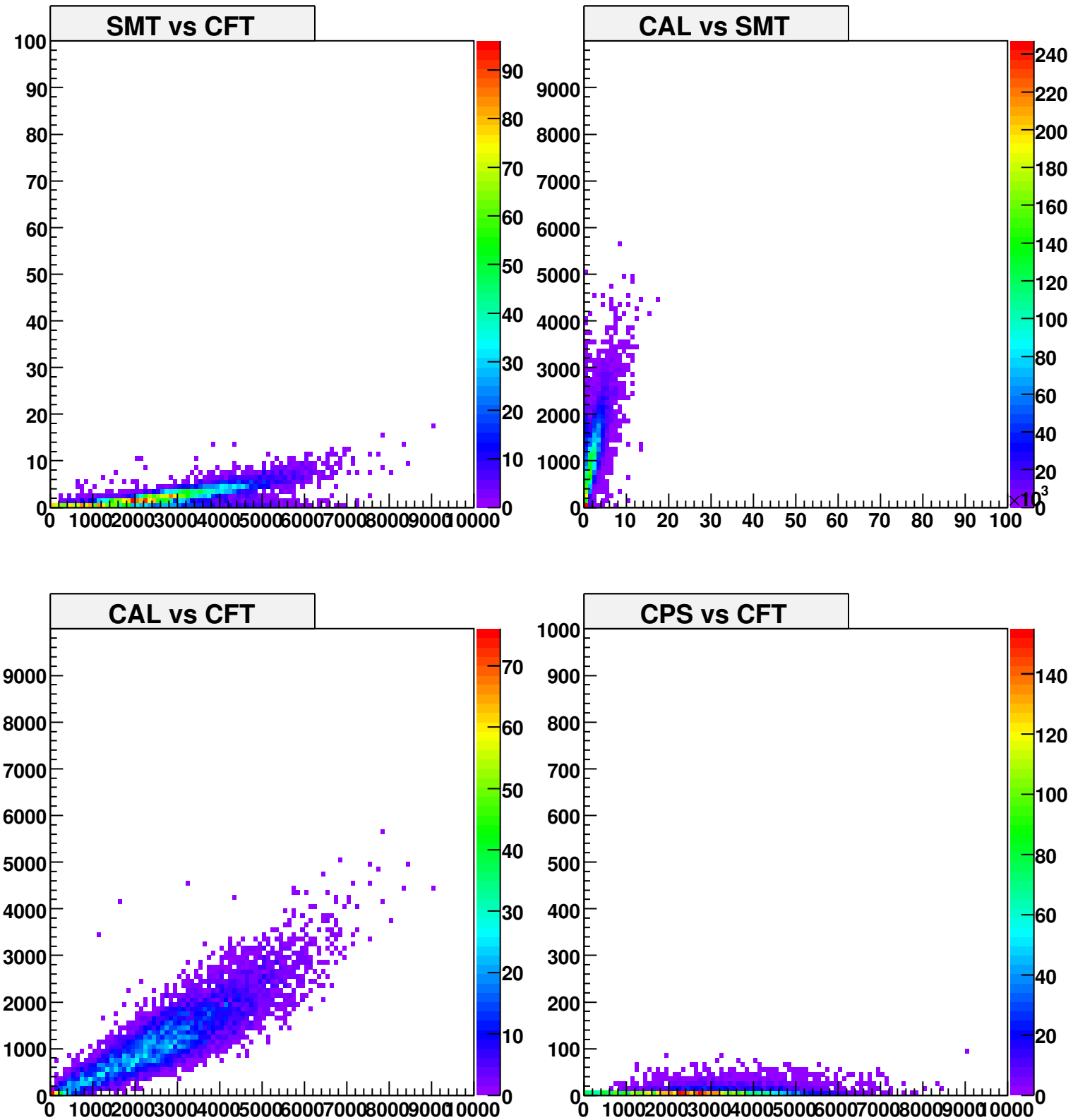


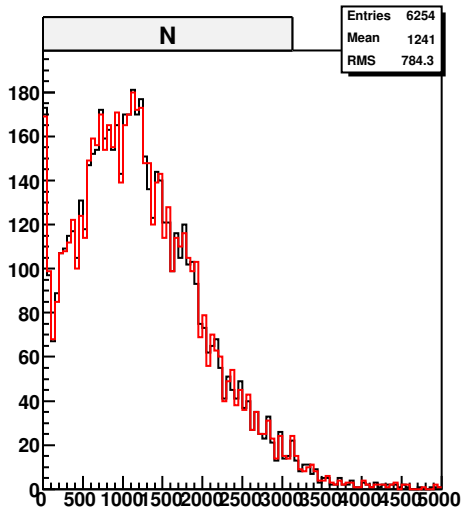


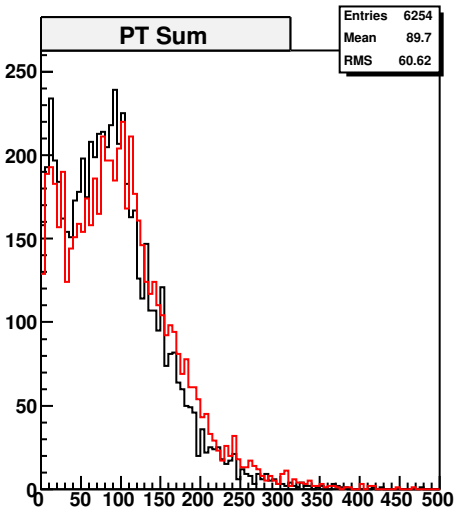


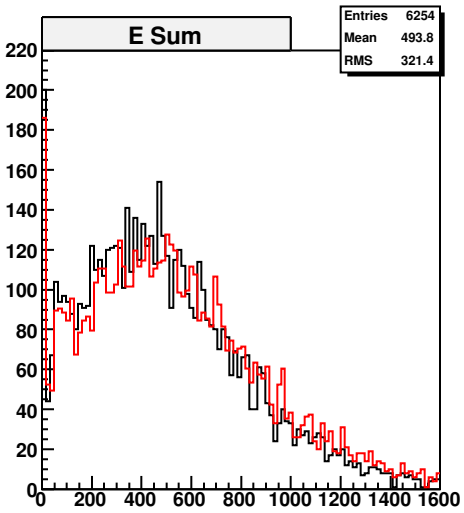


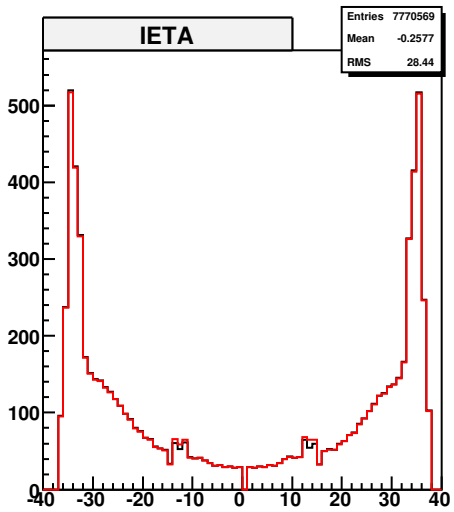
Detector Occupancy (Detector)

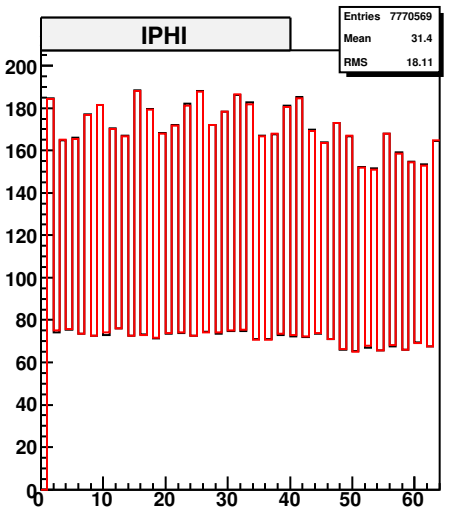

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

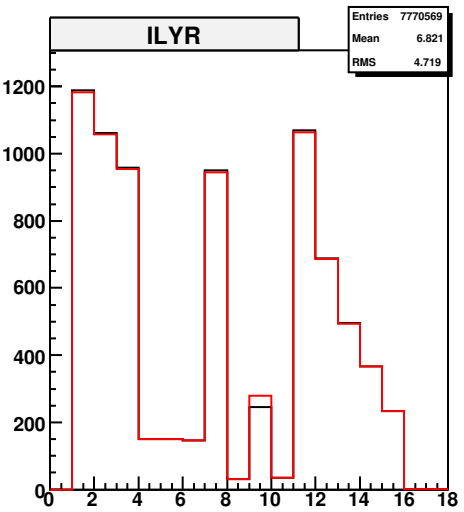


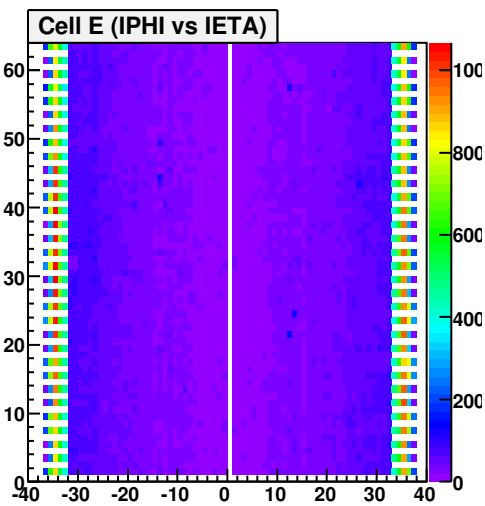


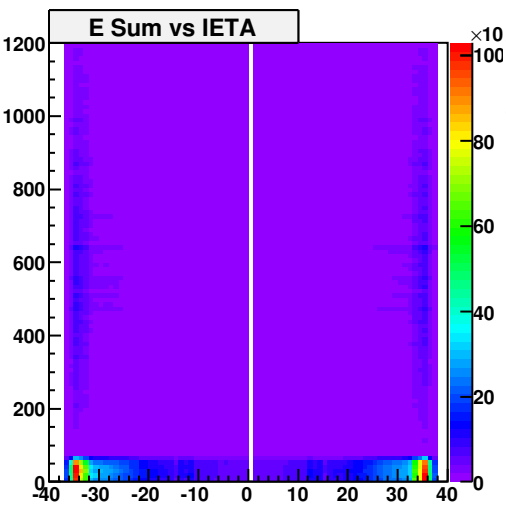


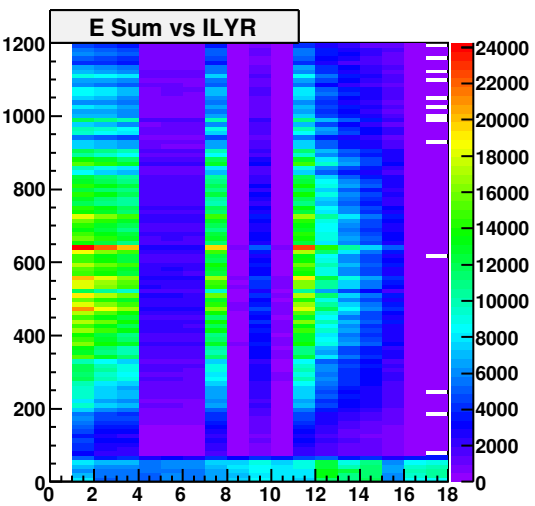




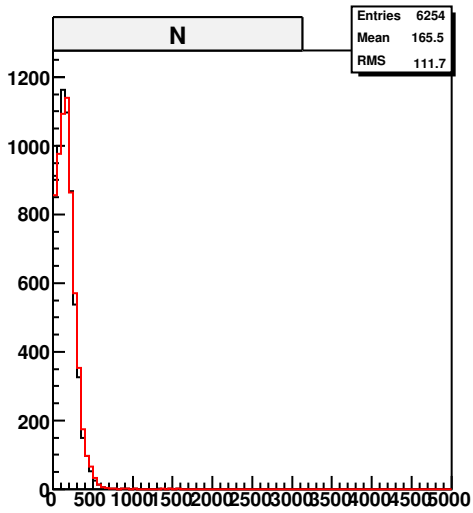


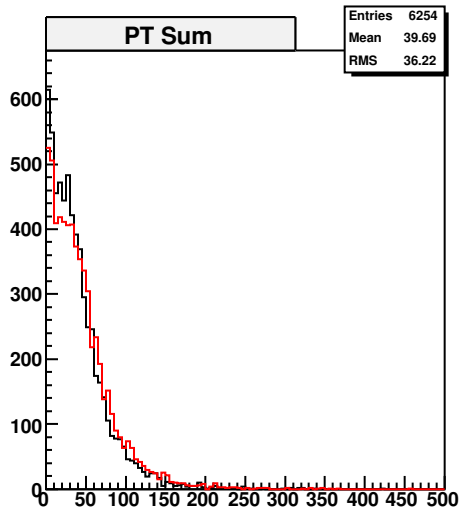


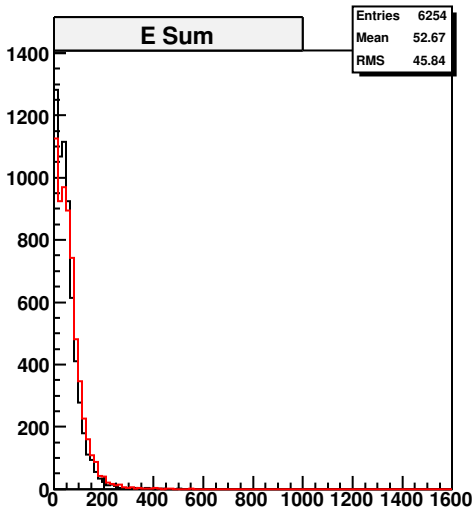


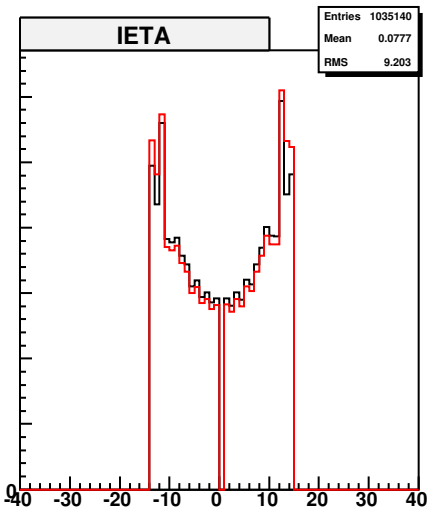


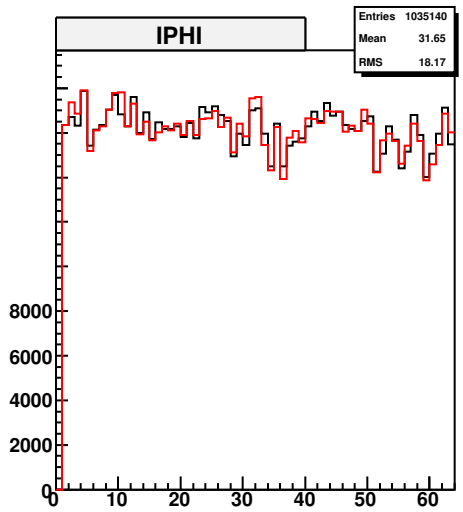
Calorimeter (All cells)

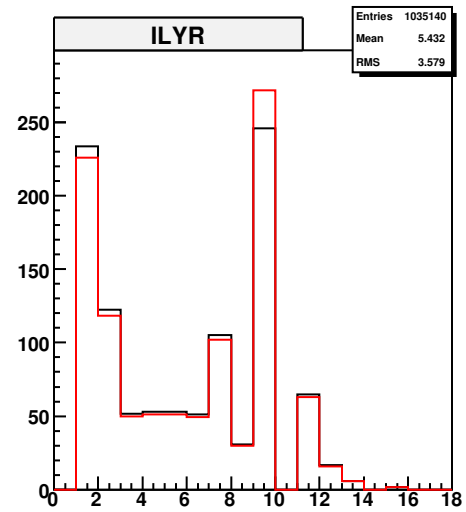


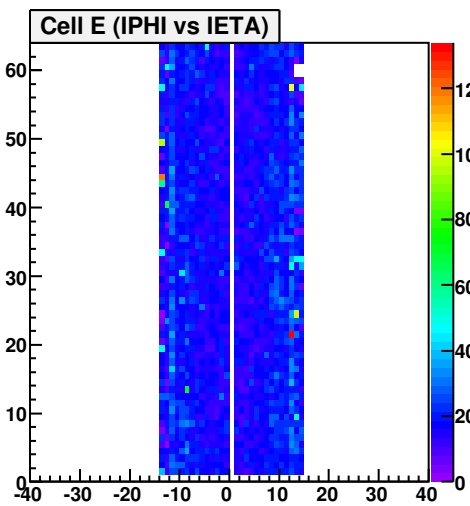


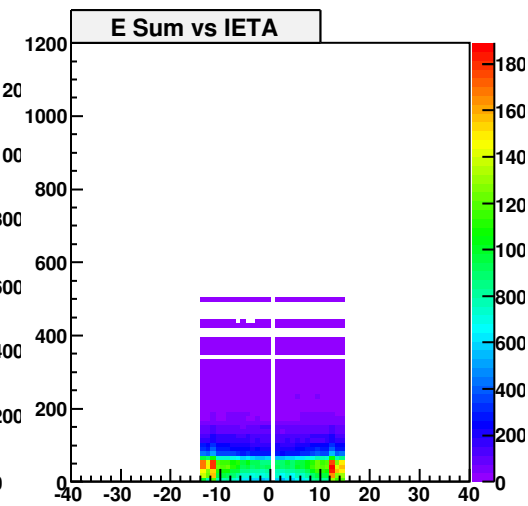


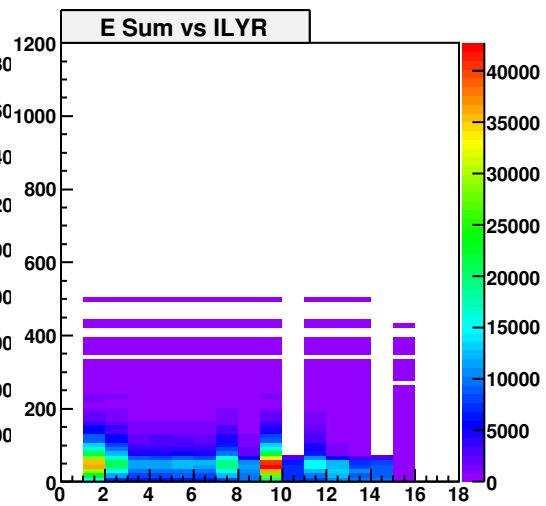




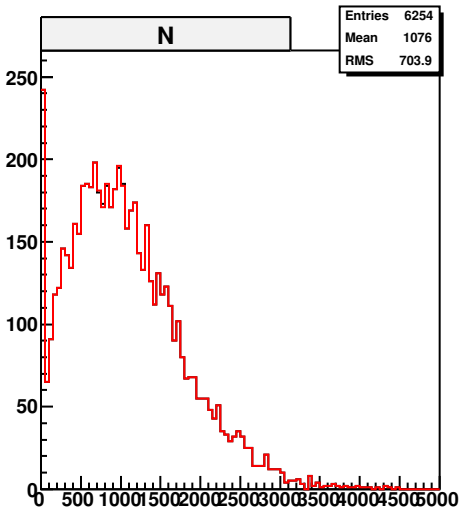


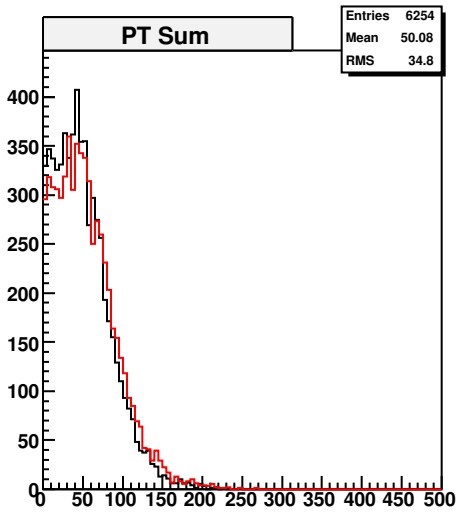


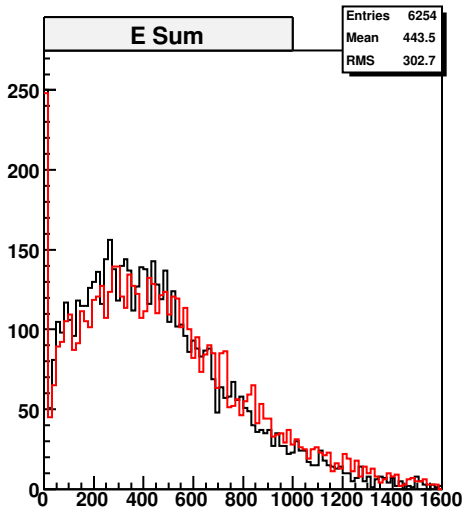


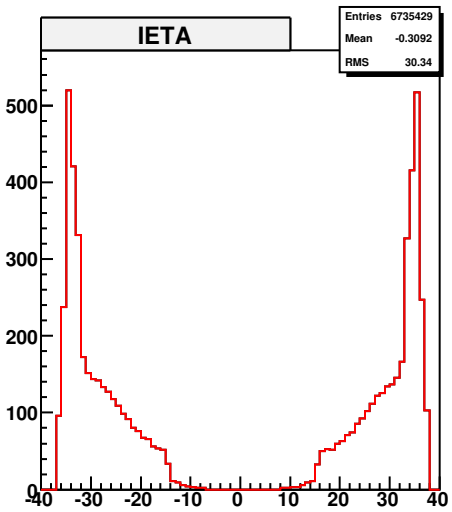


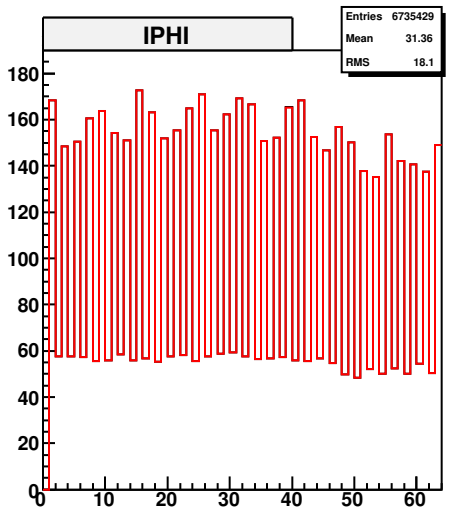
Calorimeter (All CC cells)

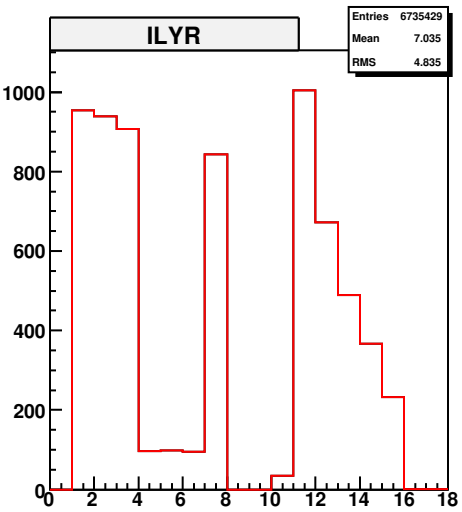


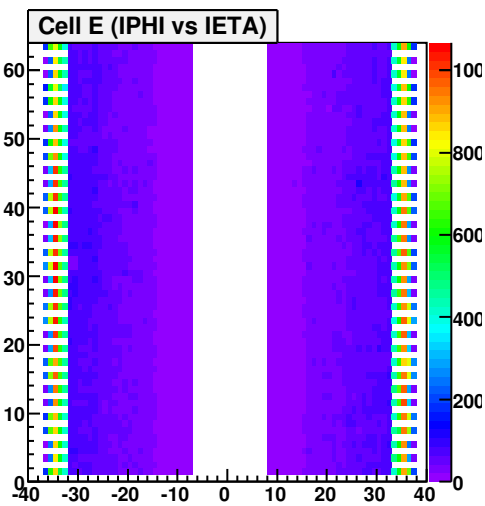


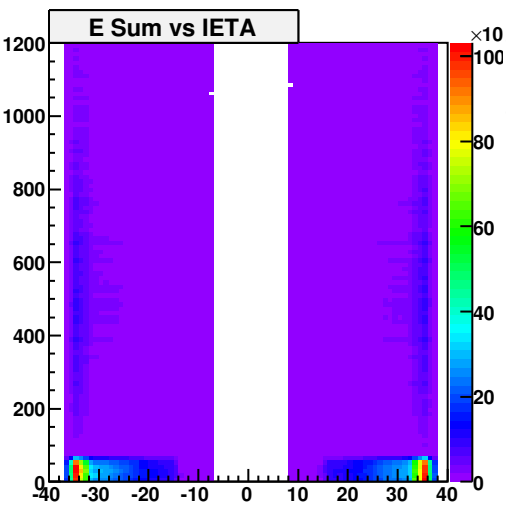


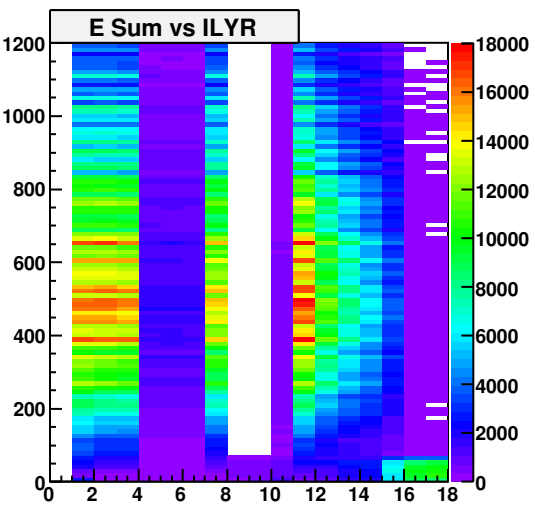




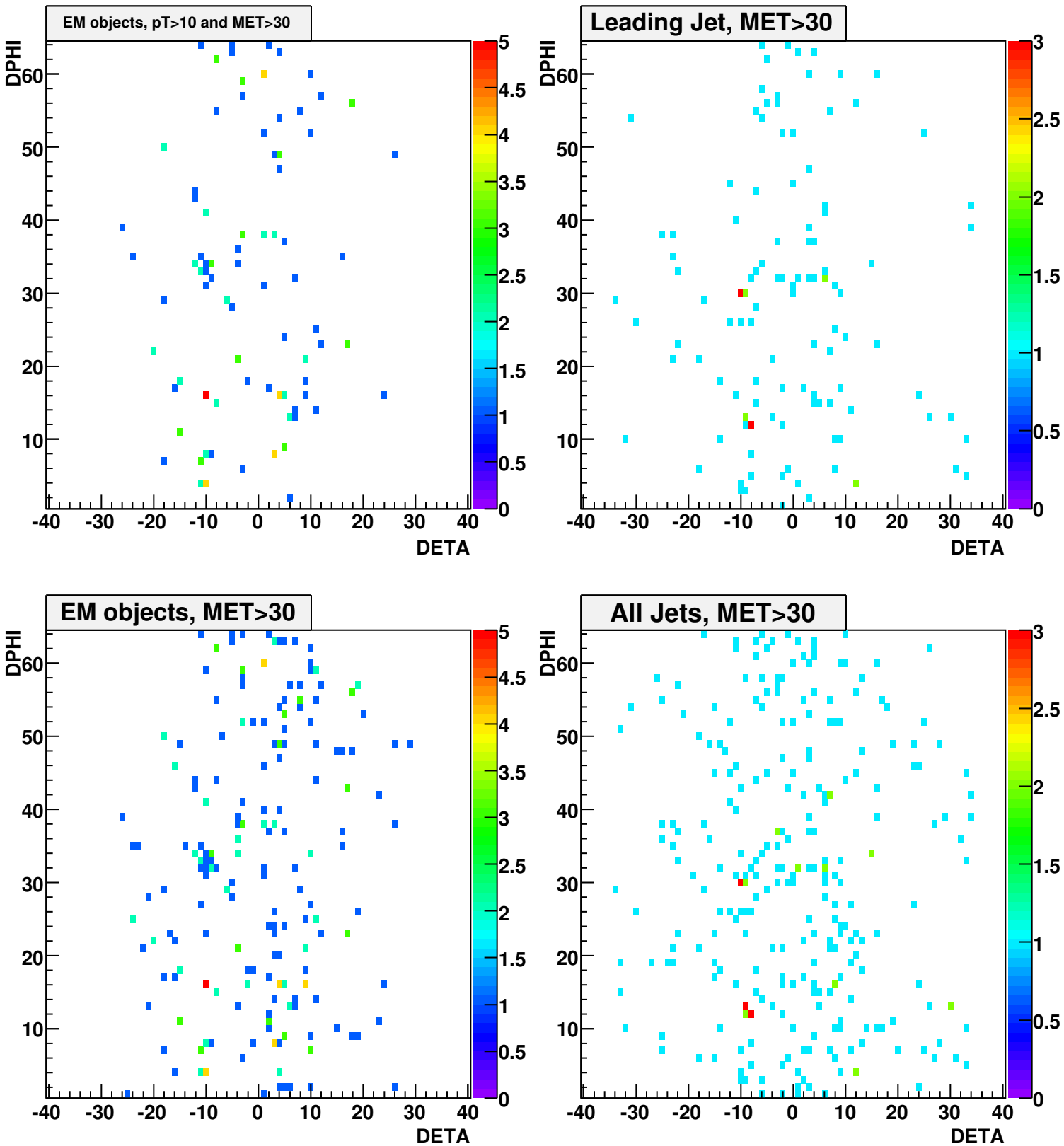




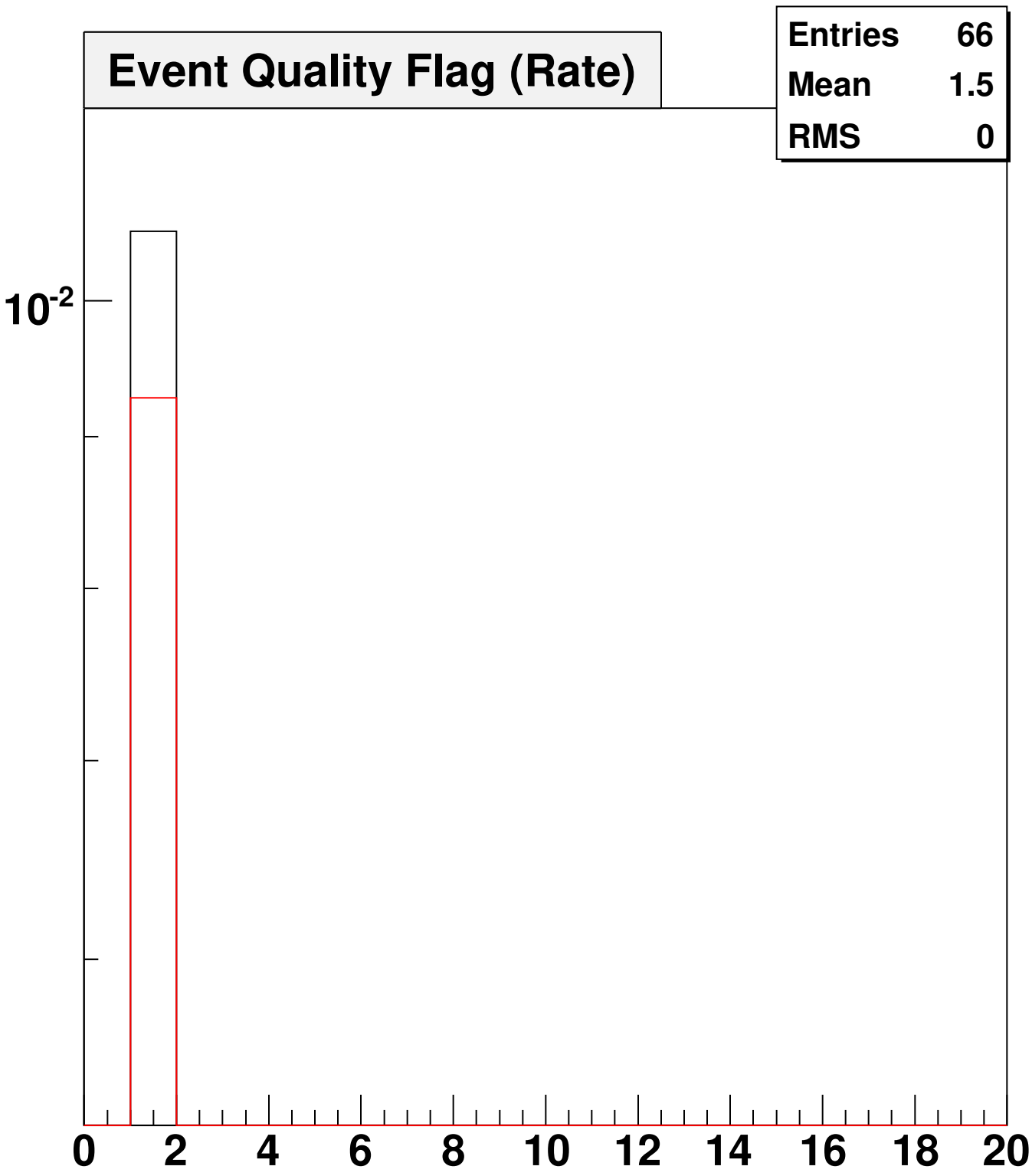


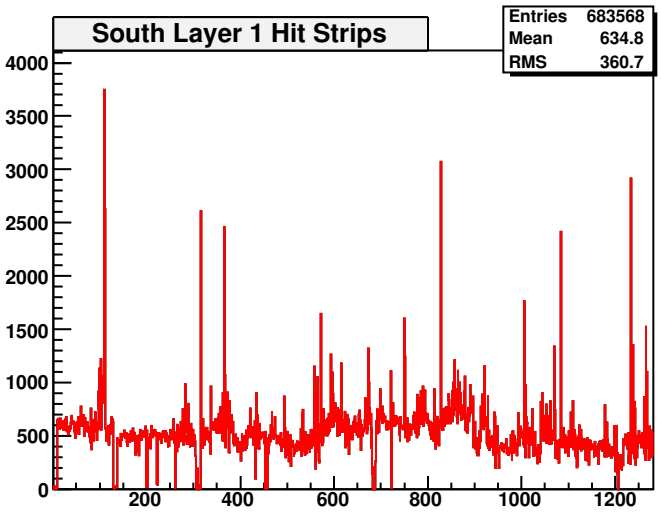


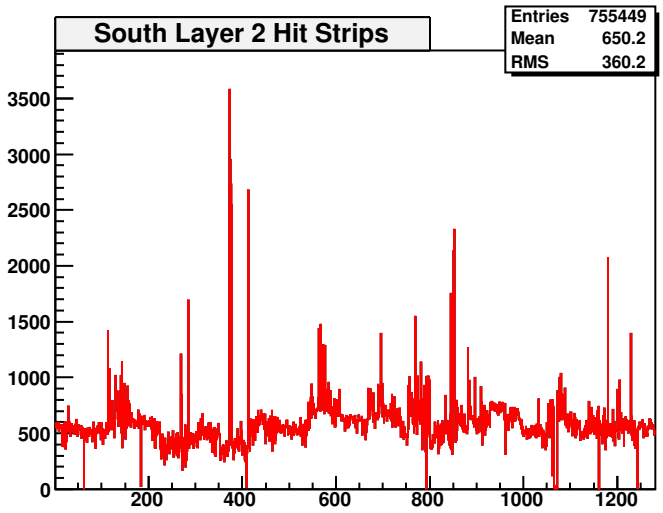
Calorimeter (All EC cells)

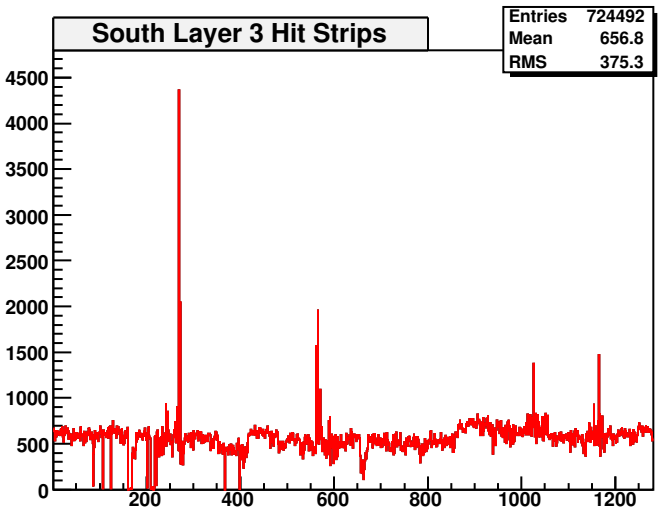


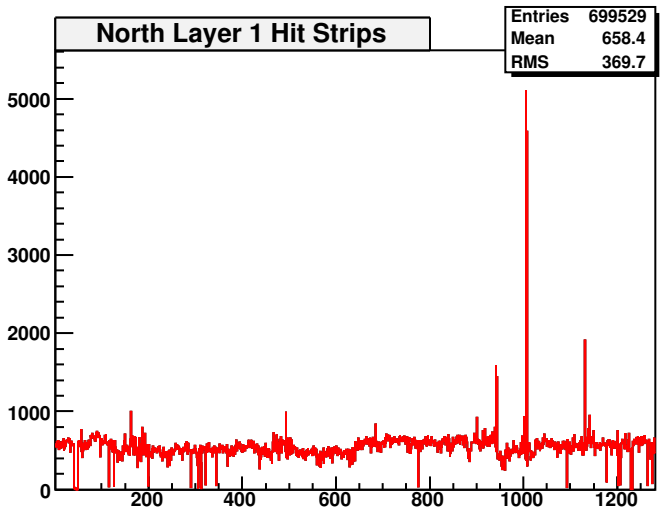
Cal Objects with MET>30 (All cells)

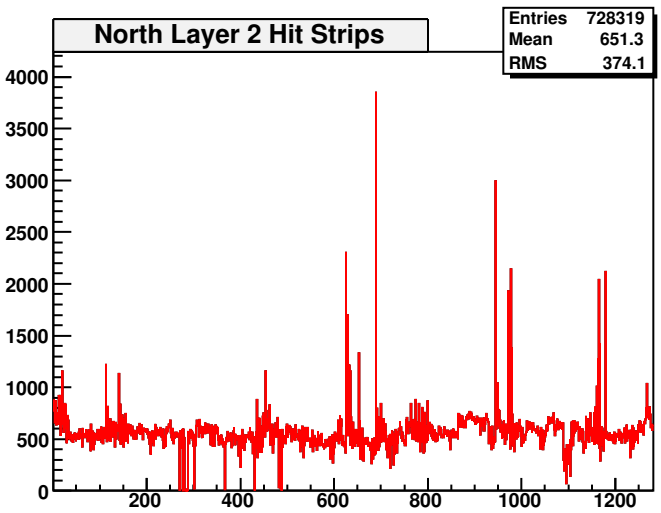

Event Quality Flag (Rate)
Entries 66
Mean 1.5
RMS 0
10^-2
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

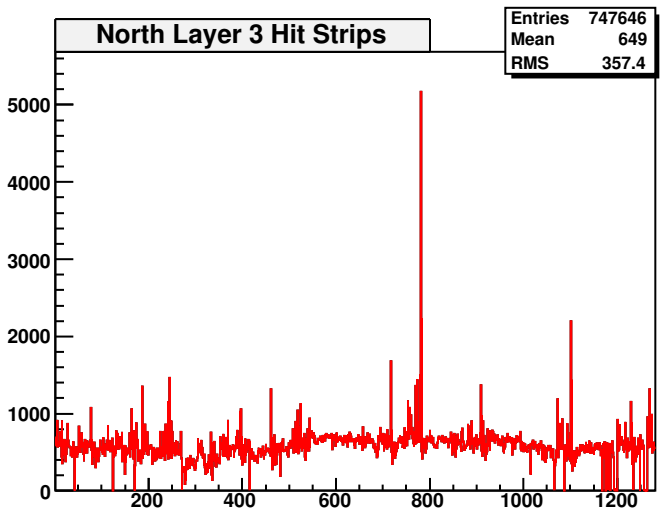




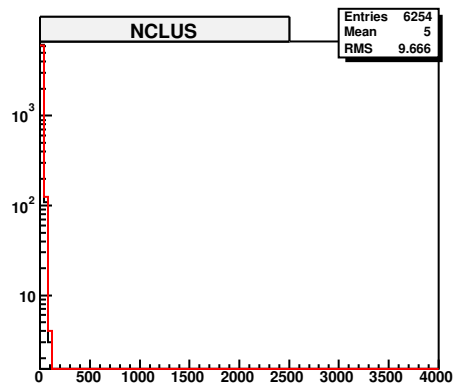


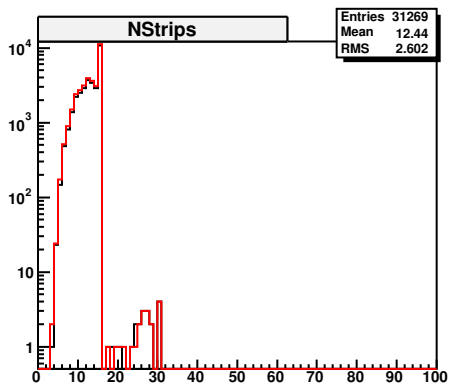


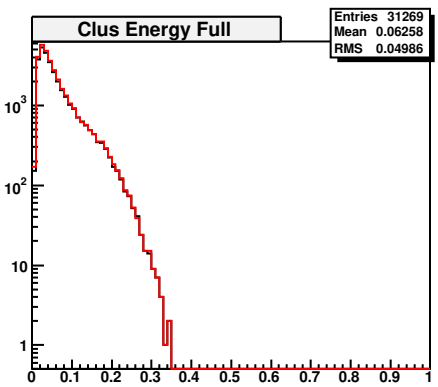


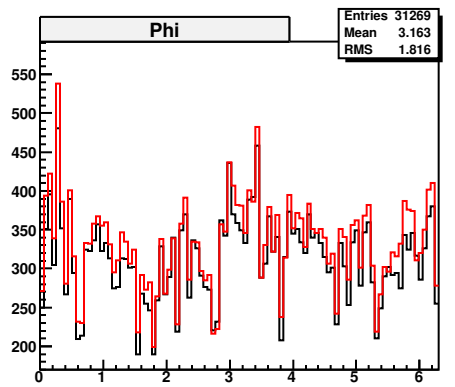


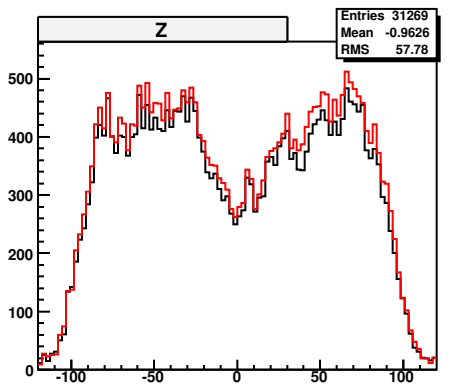
CPS Hit Strips (All Clusters)

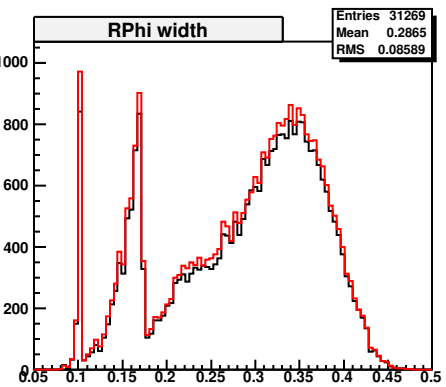


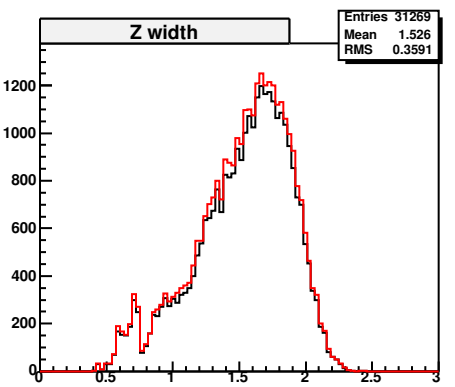


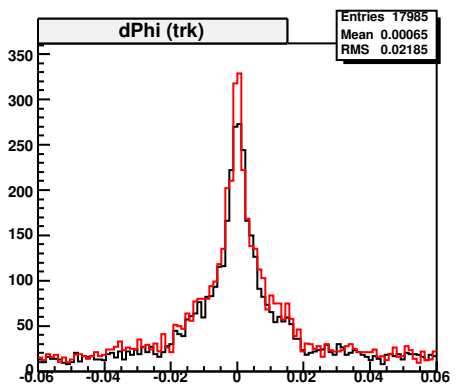


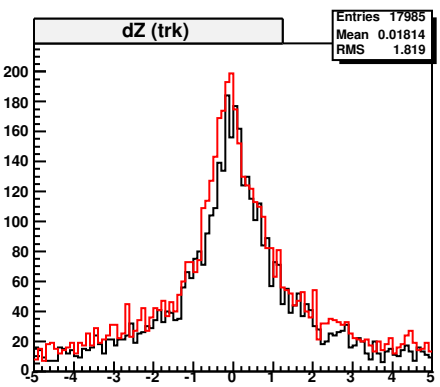


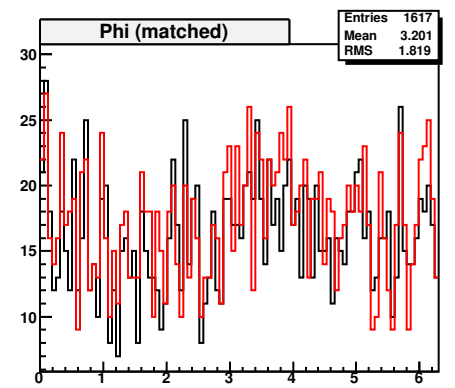


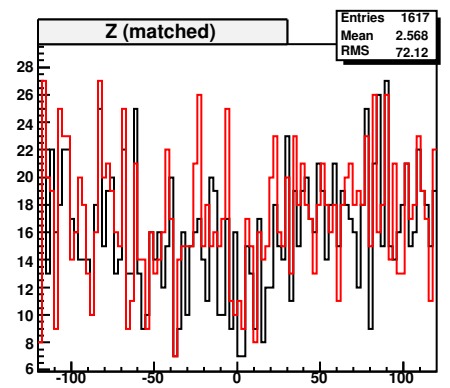




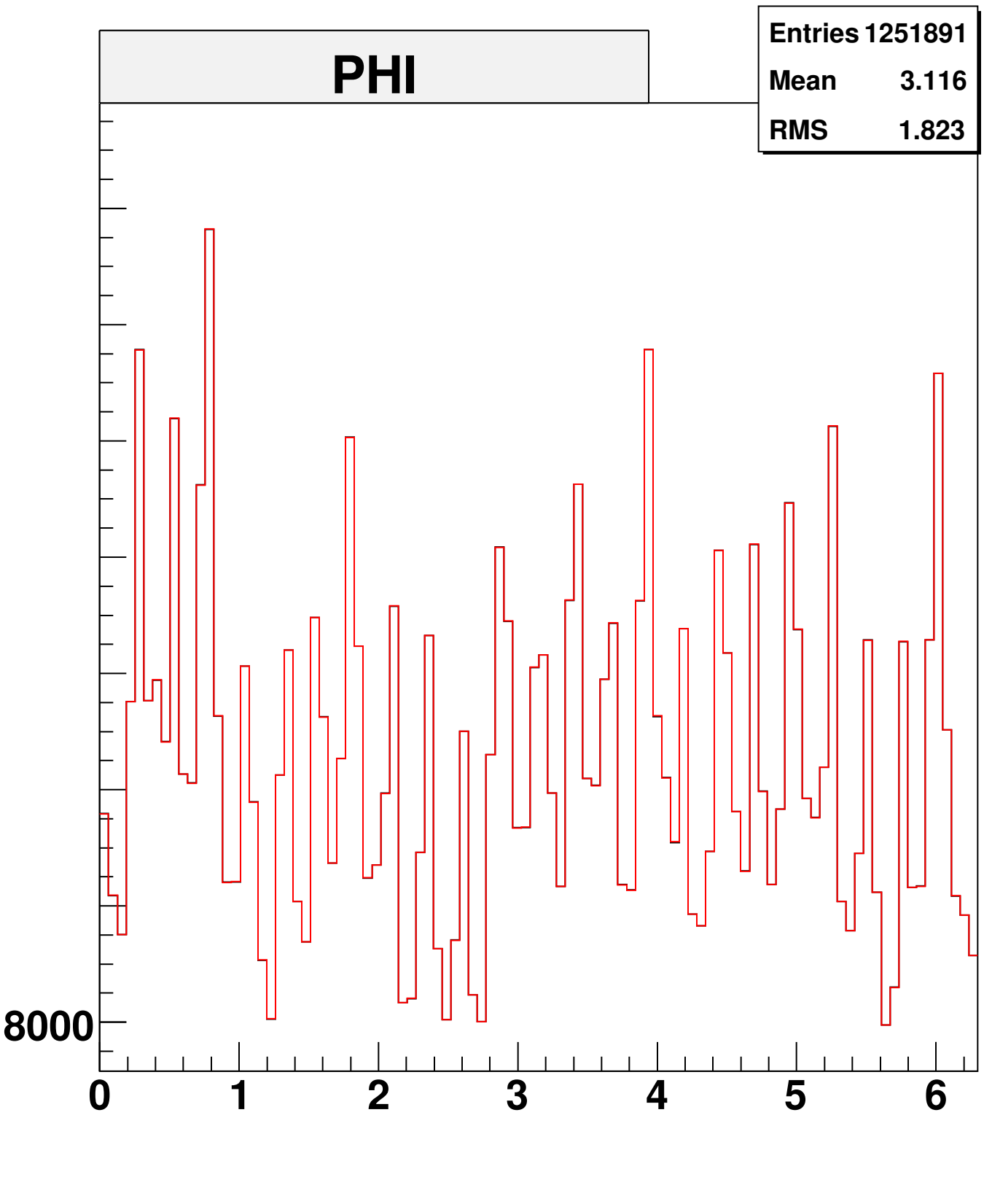


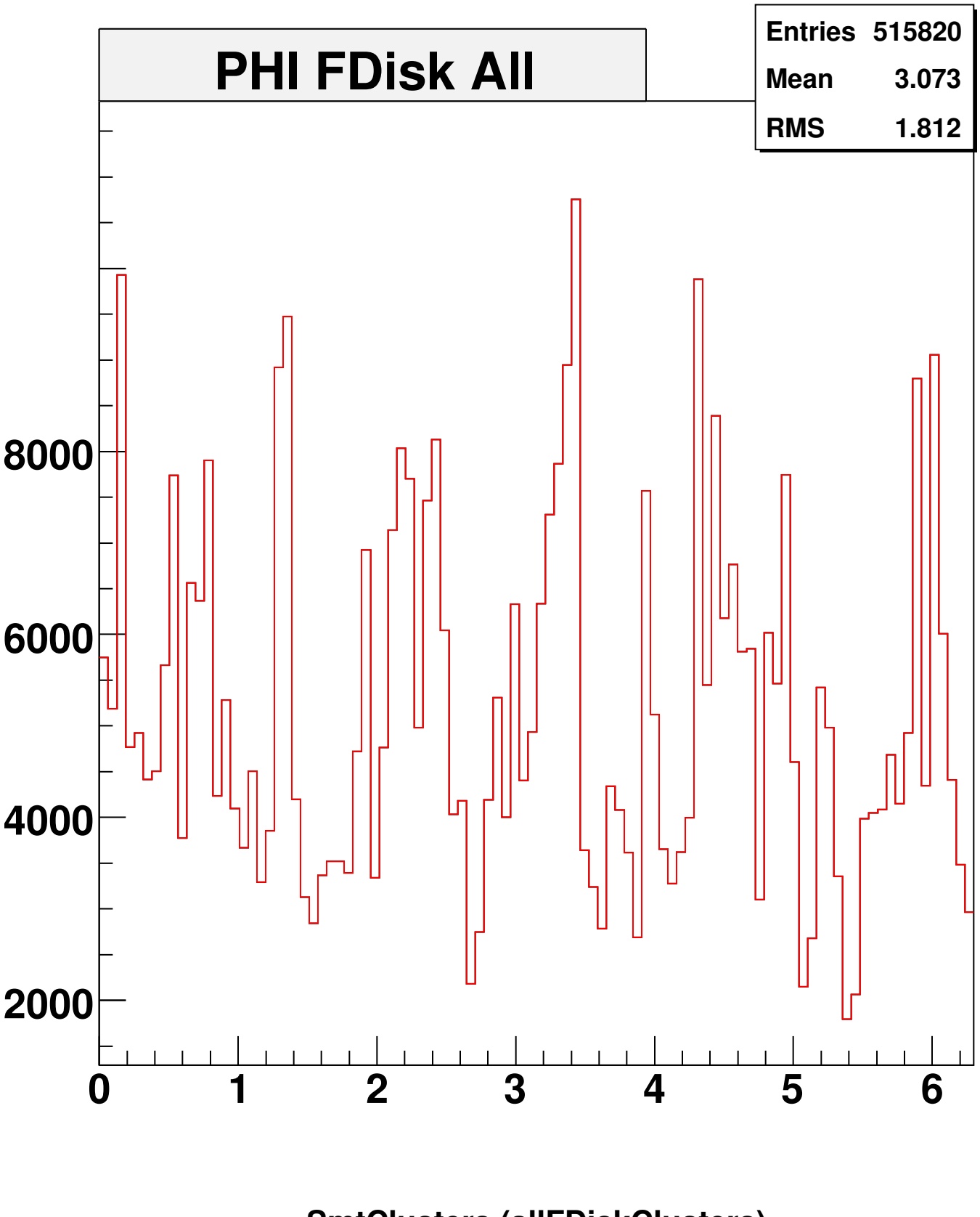


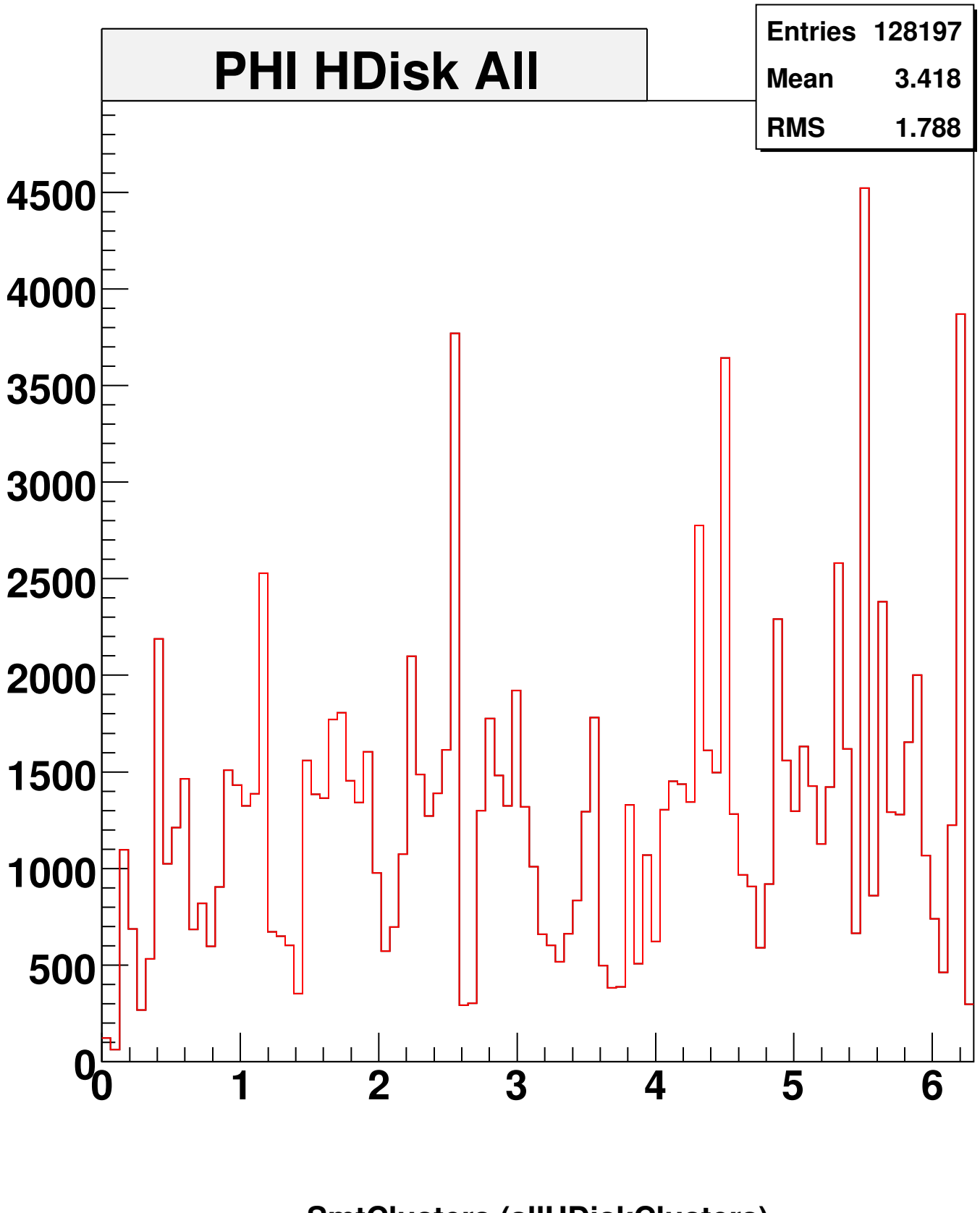


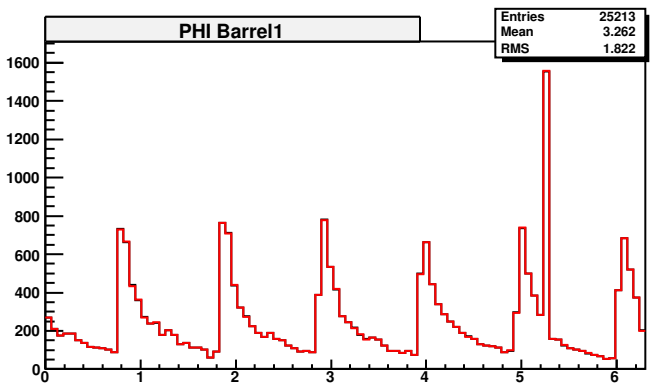


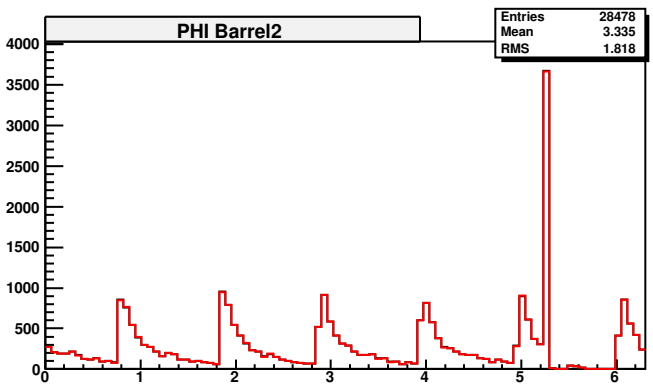
CPS Clusters (All Clusters)

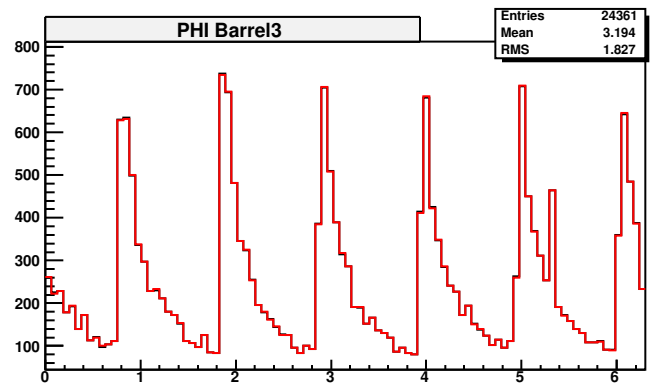

PHI
Entries 1251891
Mean 3.116
RMS 1.823
8000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

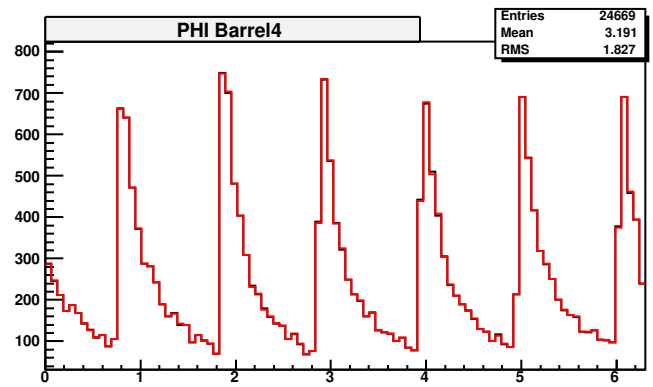

PHI FDisk All
Entries 515820
Mean 3.073
RMS 1.812
8000
6000
4000
2000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

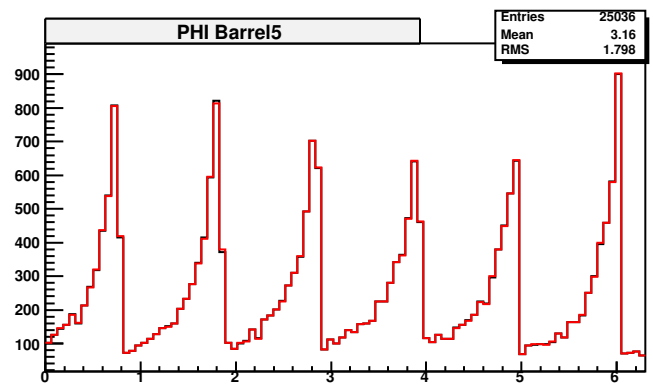

PHI HDisk All
Entries 128197
Mean 3.418
RMS 1.788
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

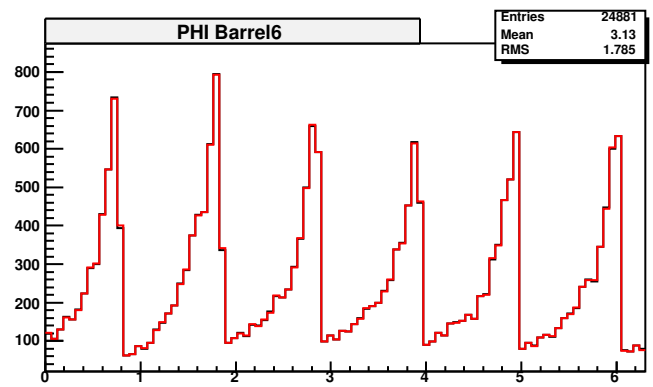


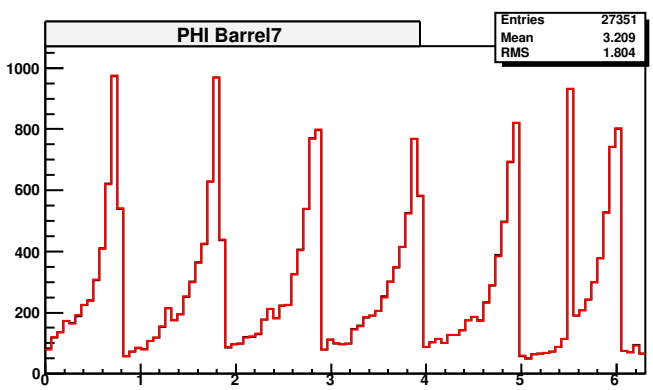


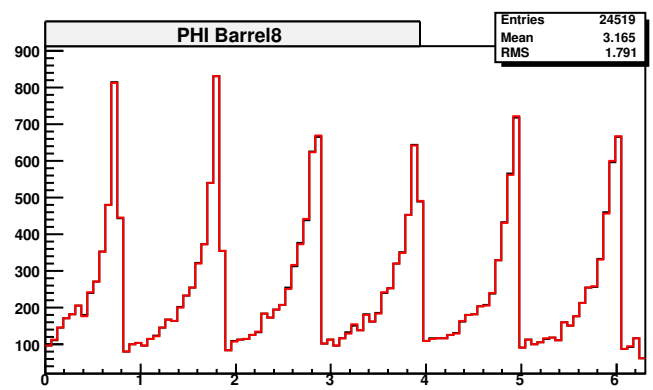




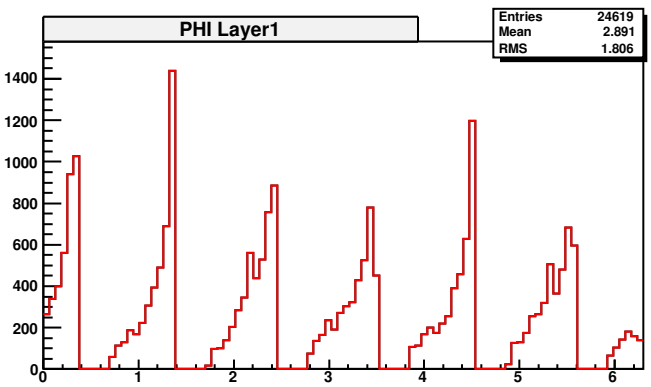


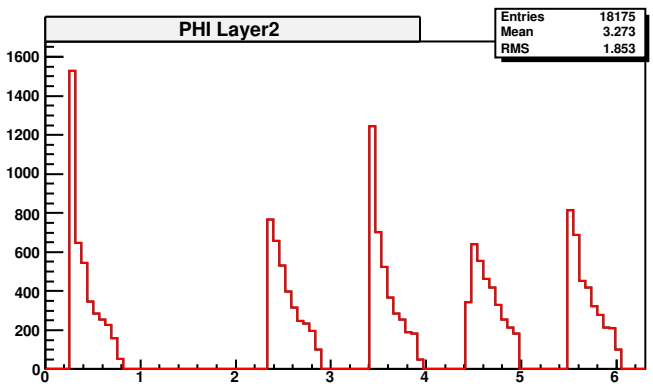


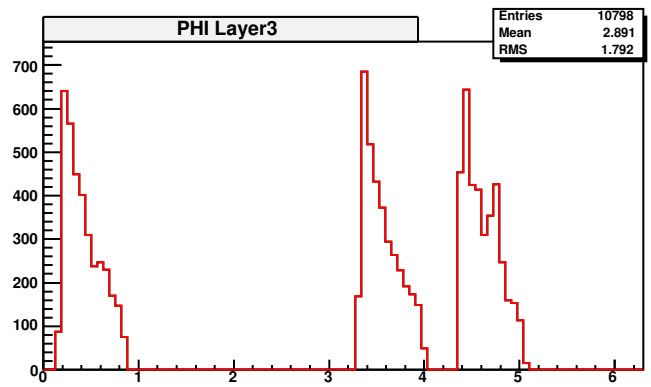


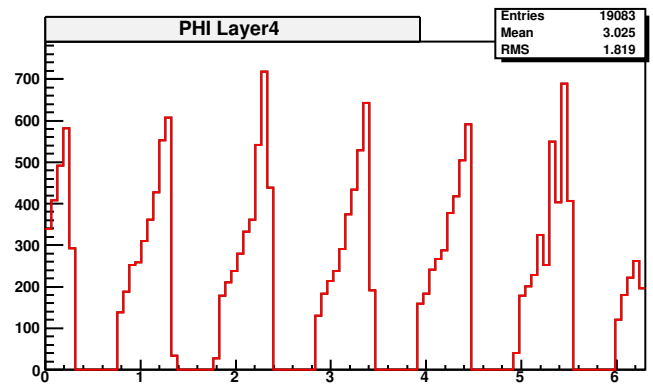


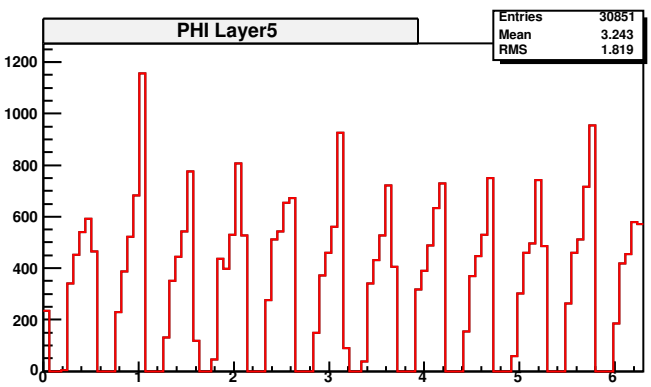
SmtClusters (ClustrLayer0)

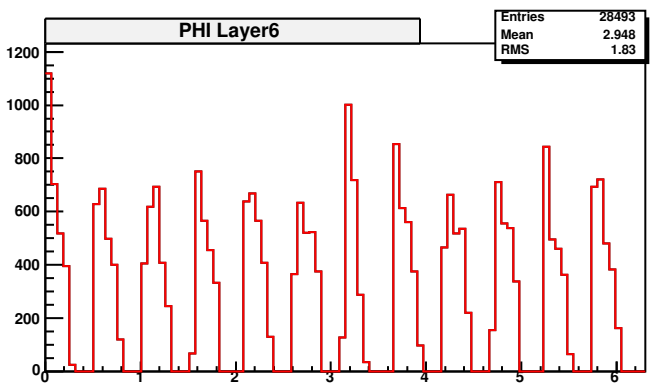


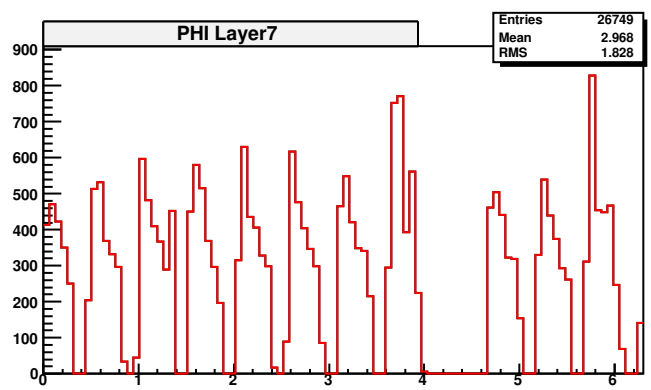


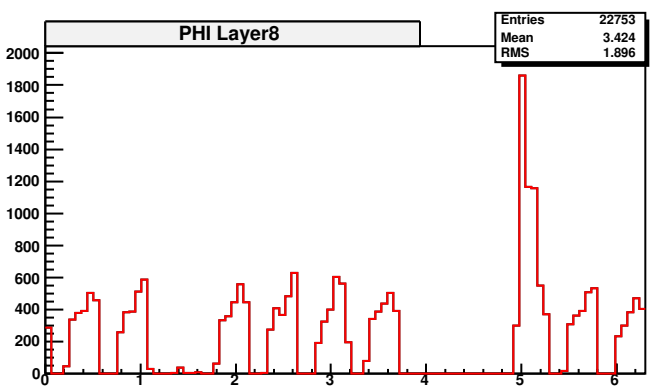




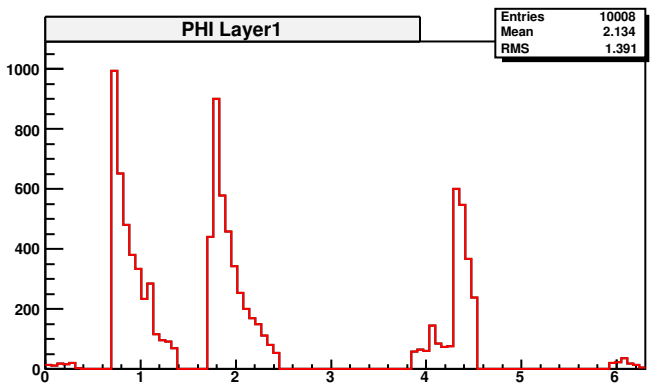


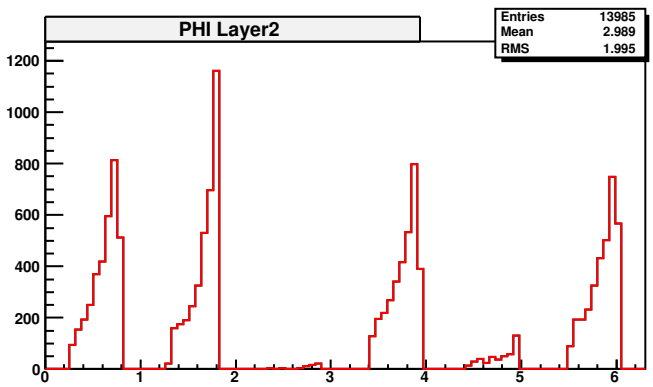


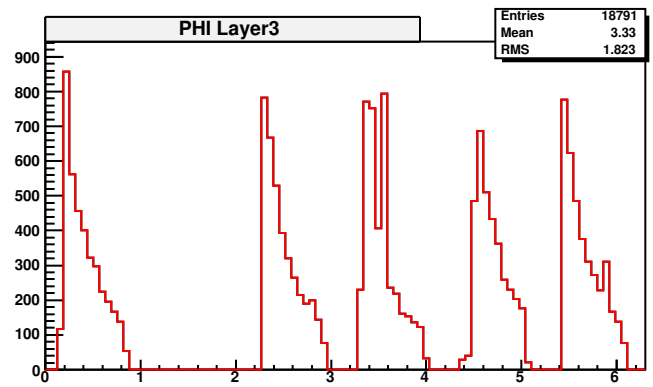


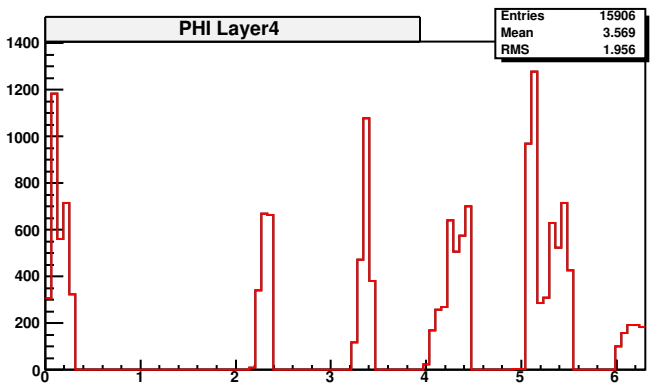


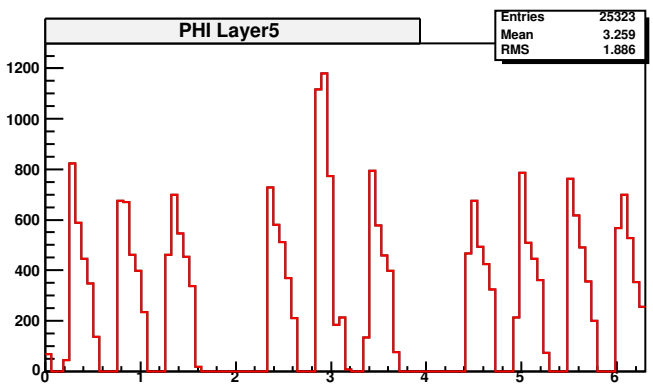
SmtClusters (ClustrBar1)

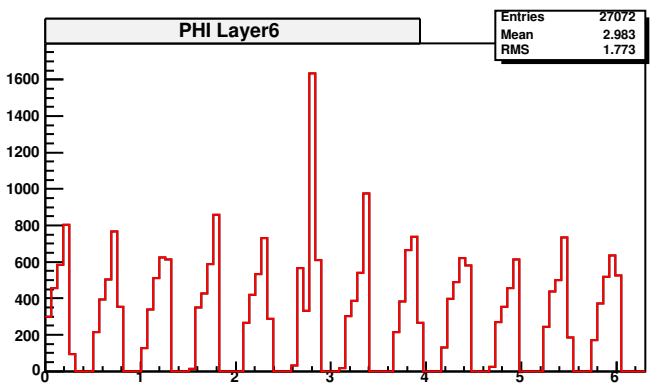


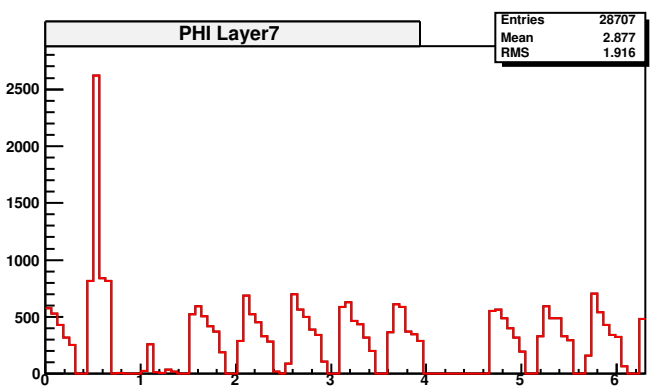


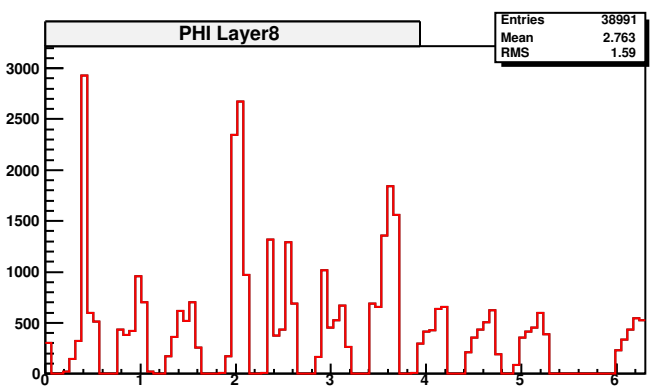




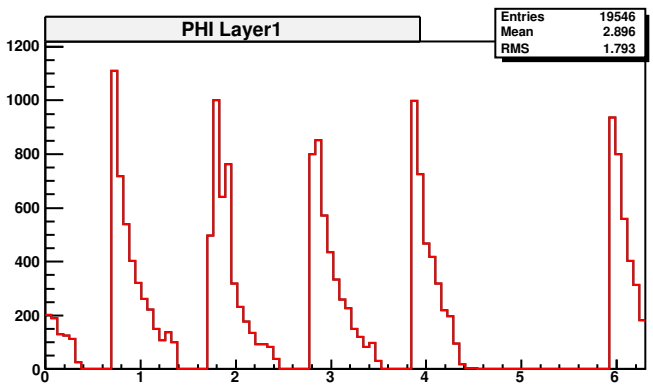


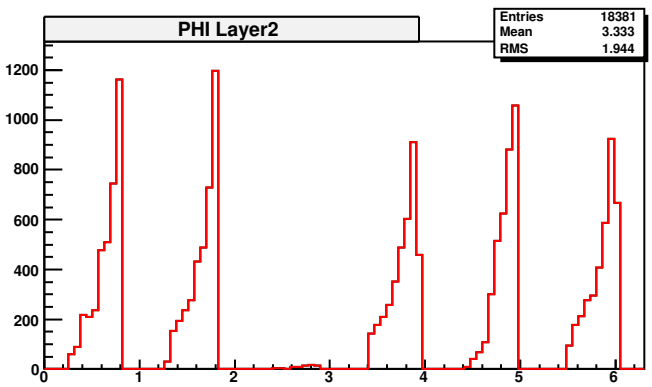


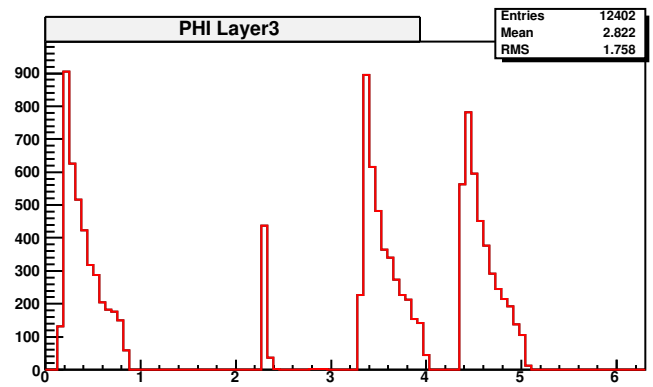


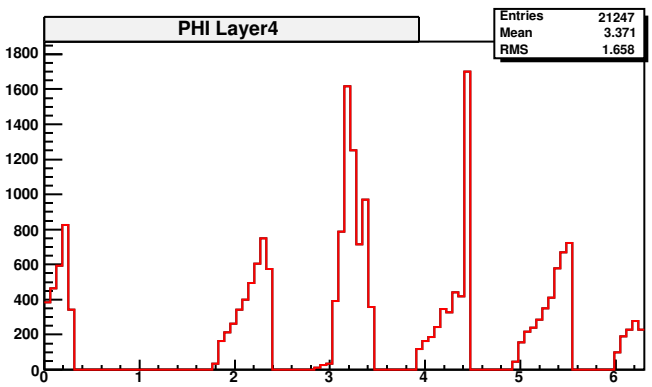


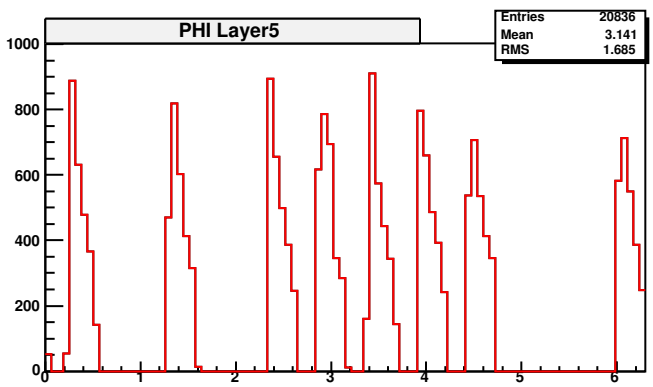
SmtClusters (ClustrBar2)

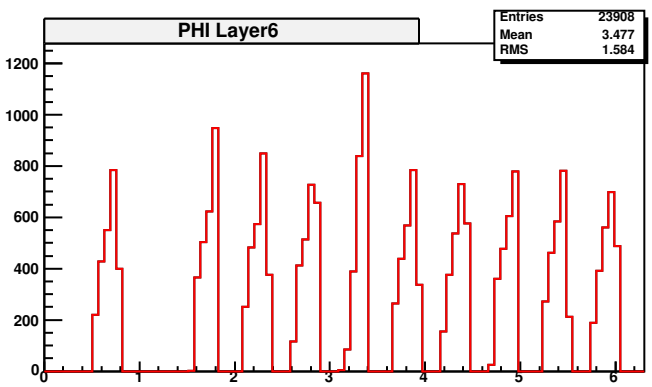


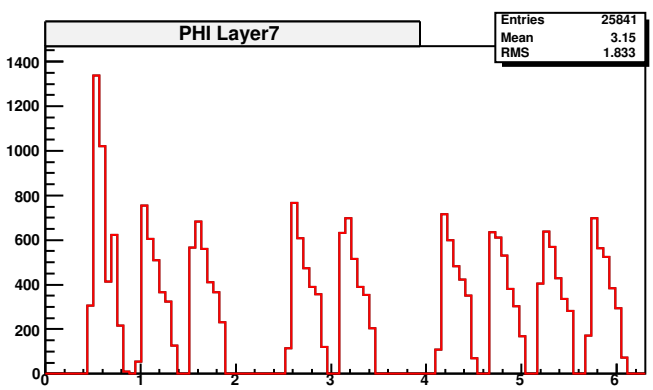


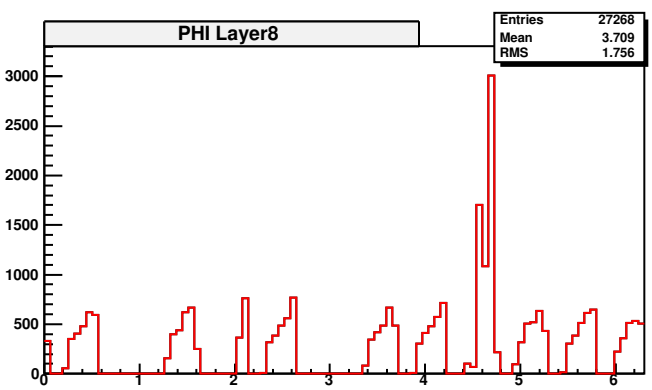




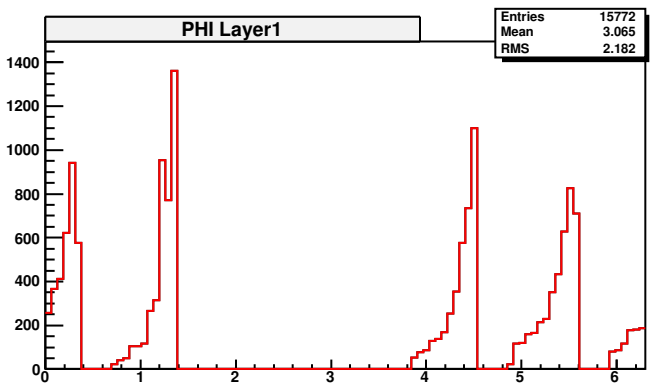


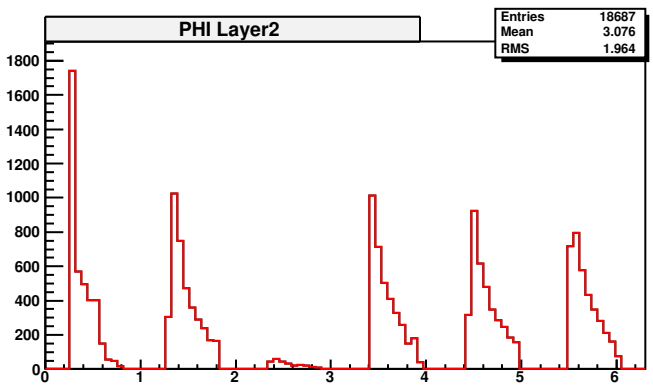


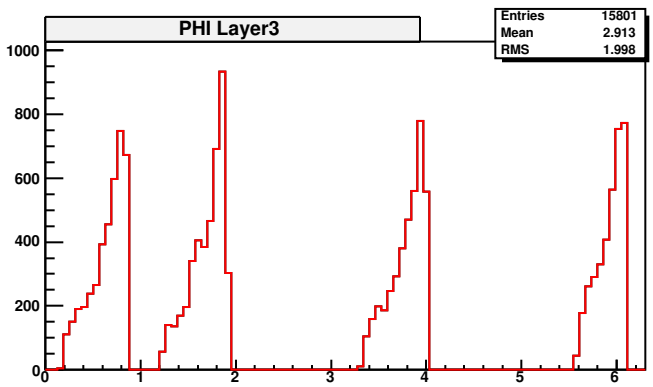


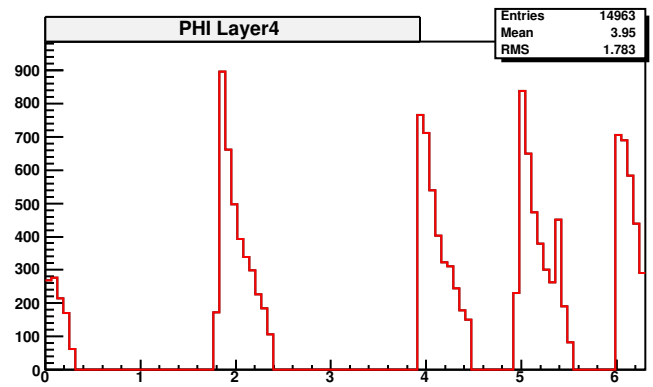


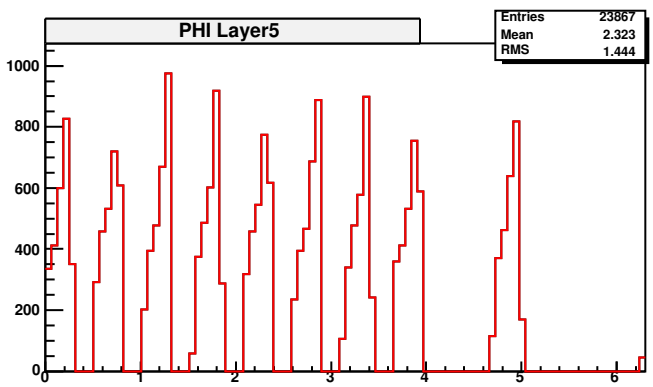
SmtClusters (ClustrBar3)

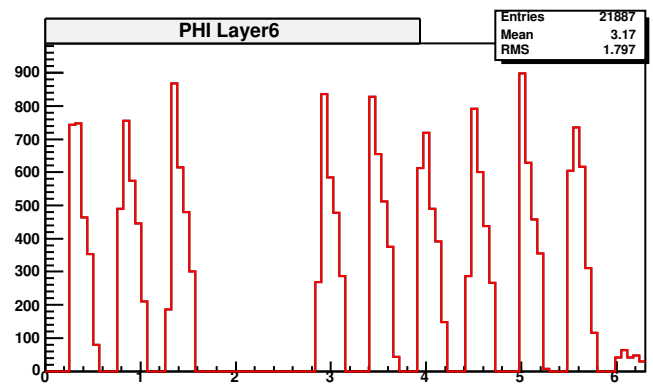


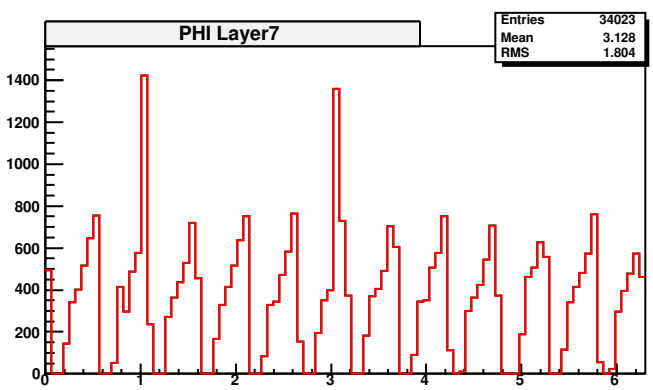


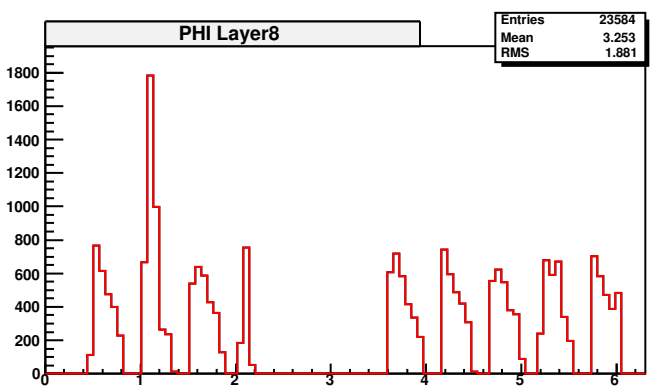




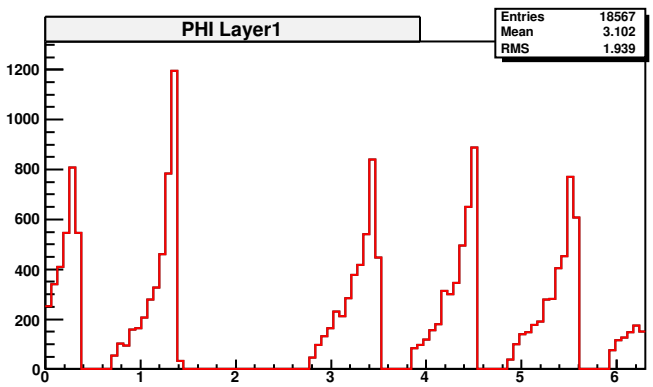


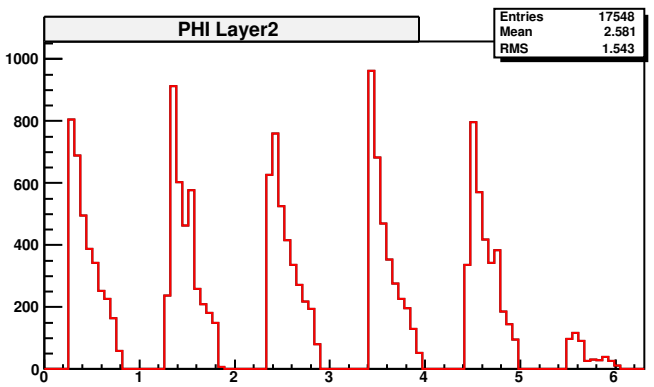


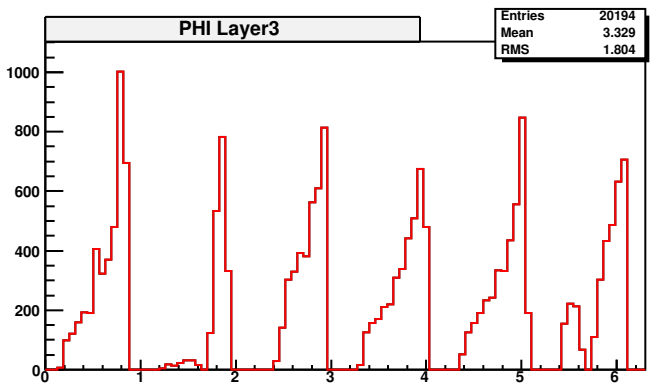


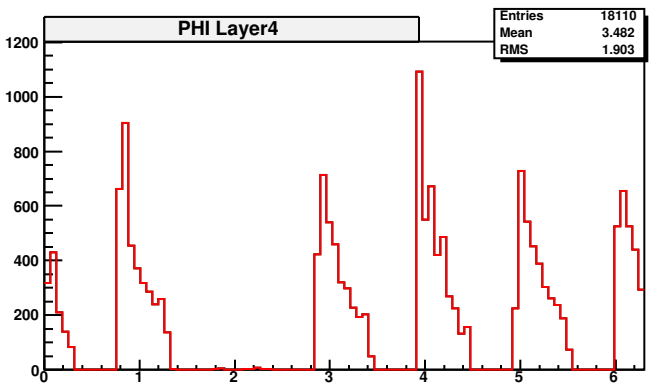


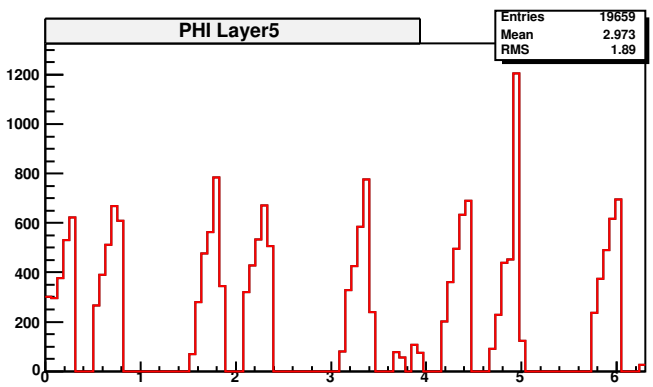
SmtClusters (ClustrBar4)

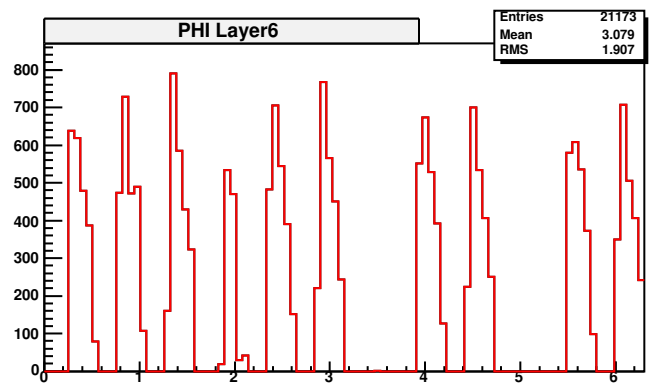


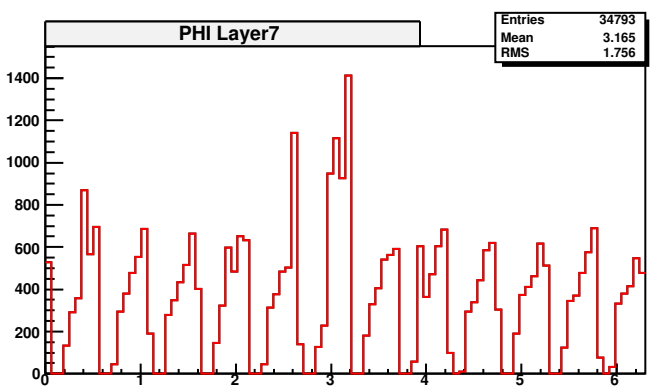


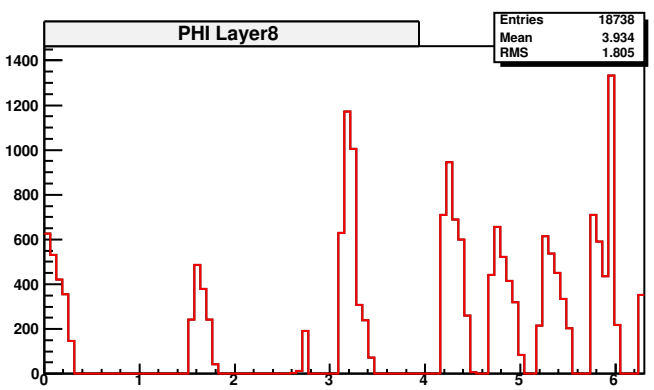




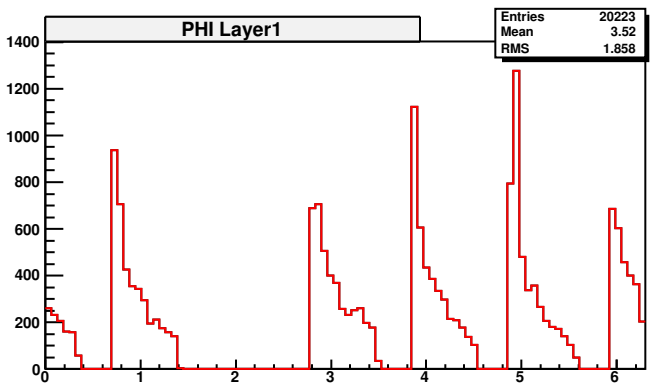


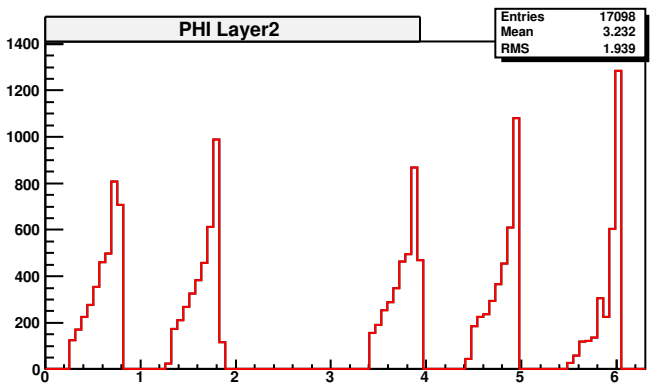


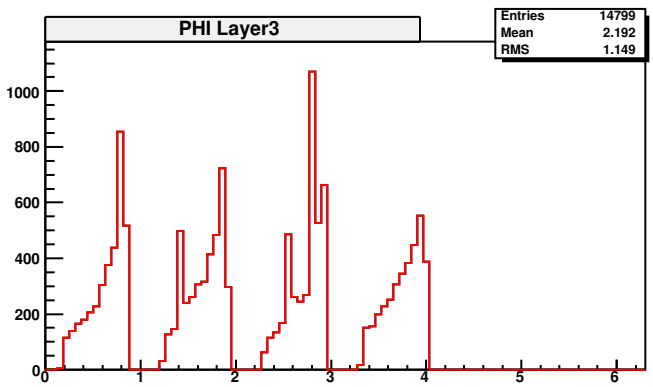


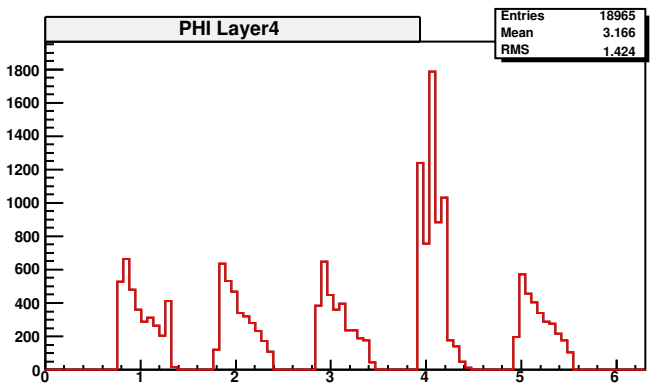


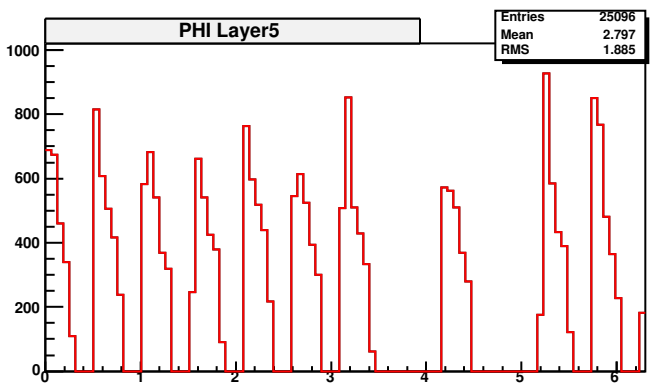
SmtClusters (ClustrBar5)

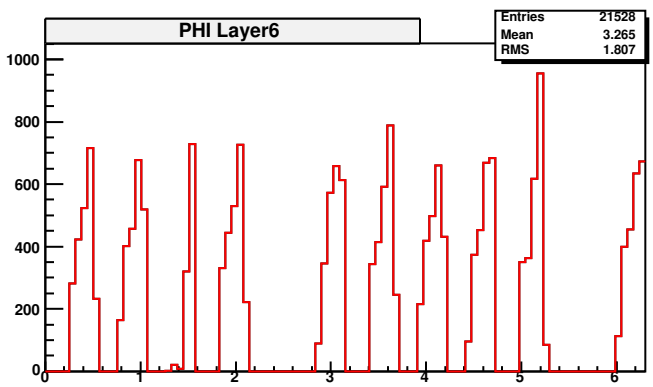


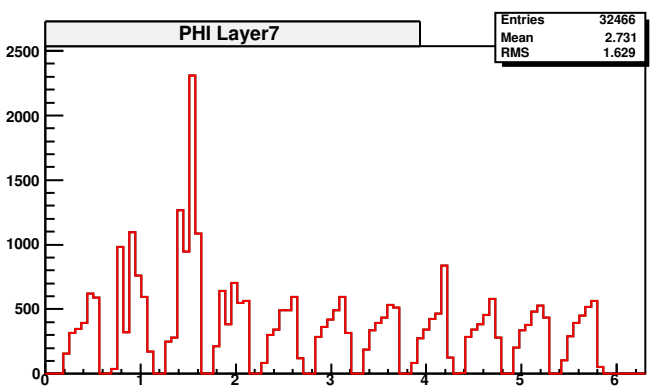


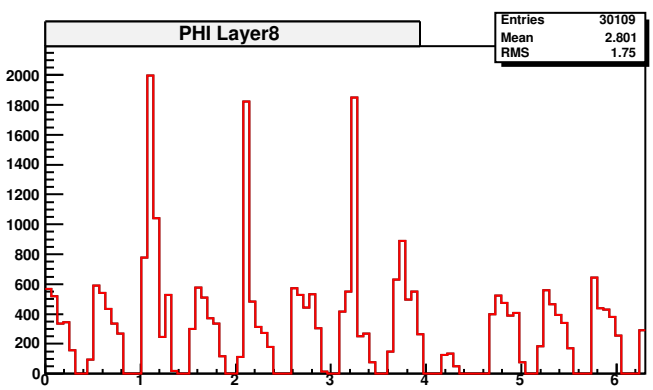




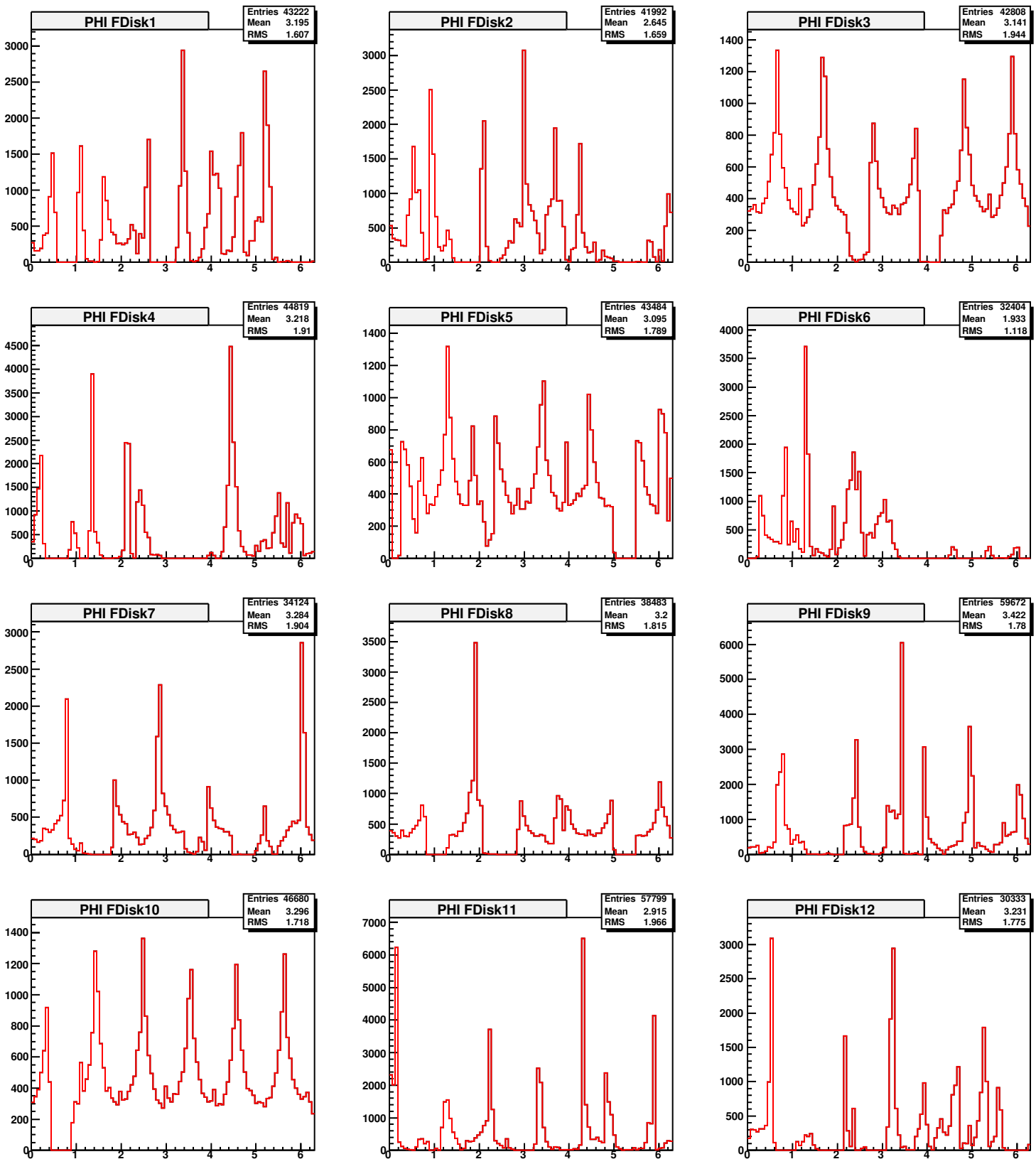




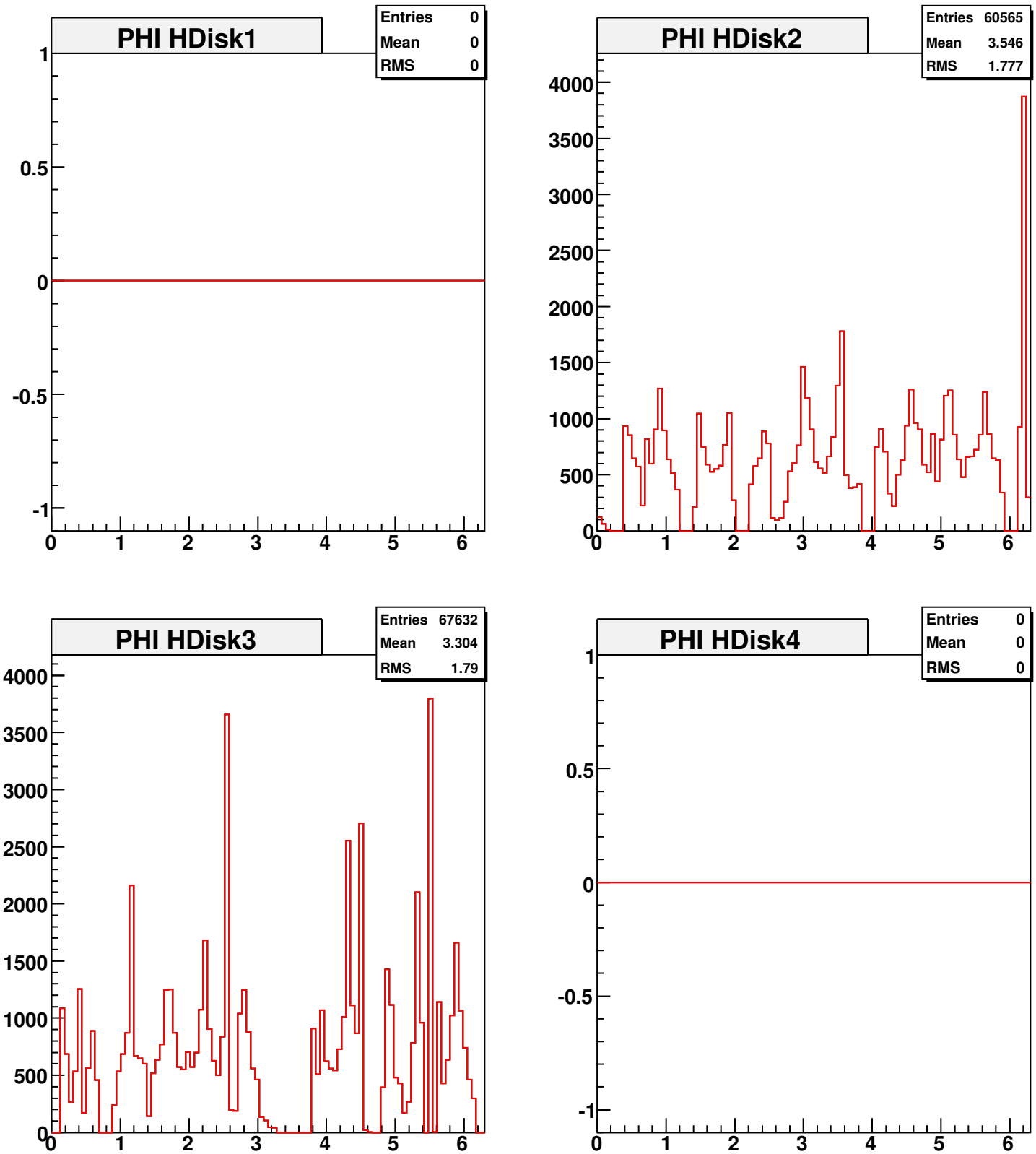




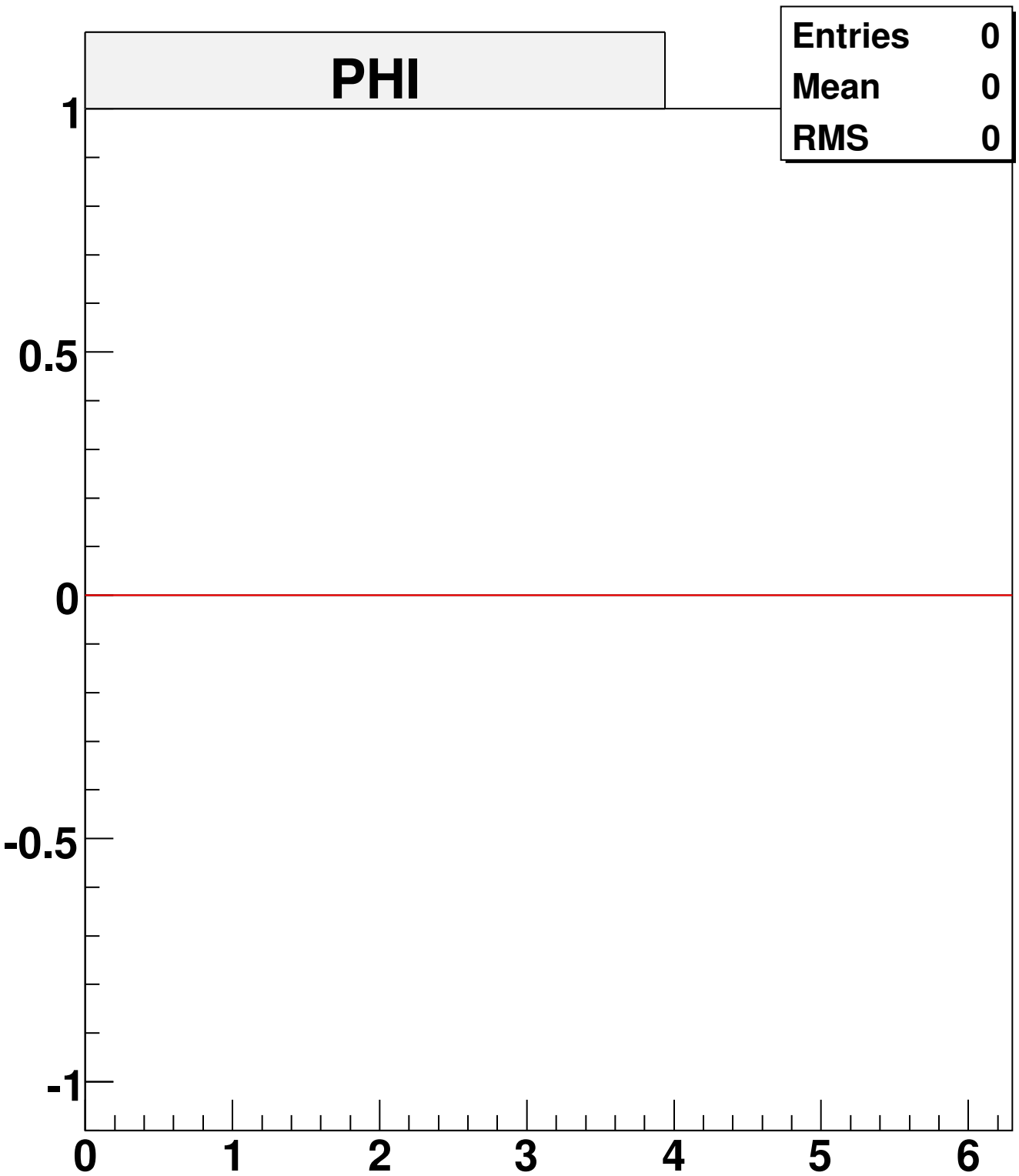
SmtClusters (ClustrBar6)

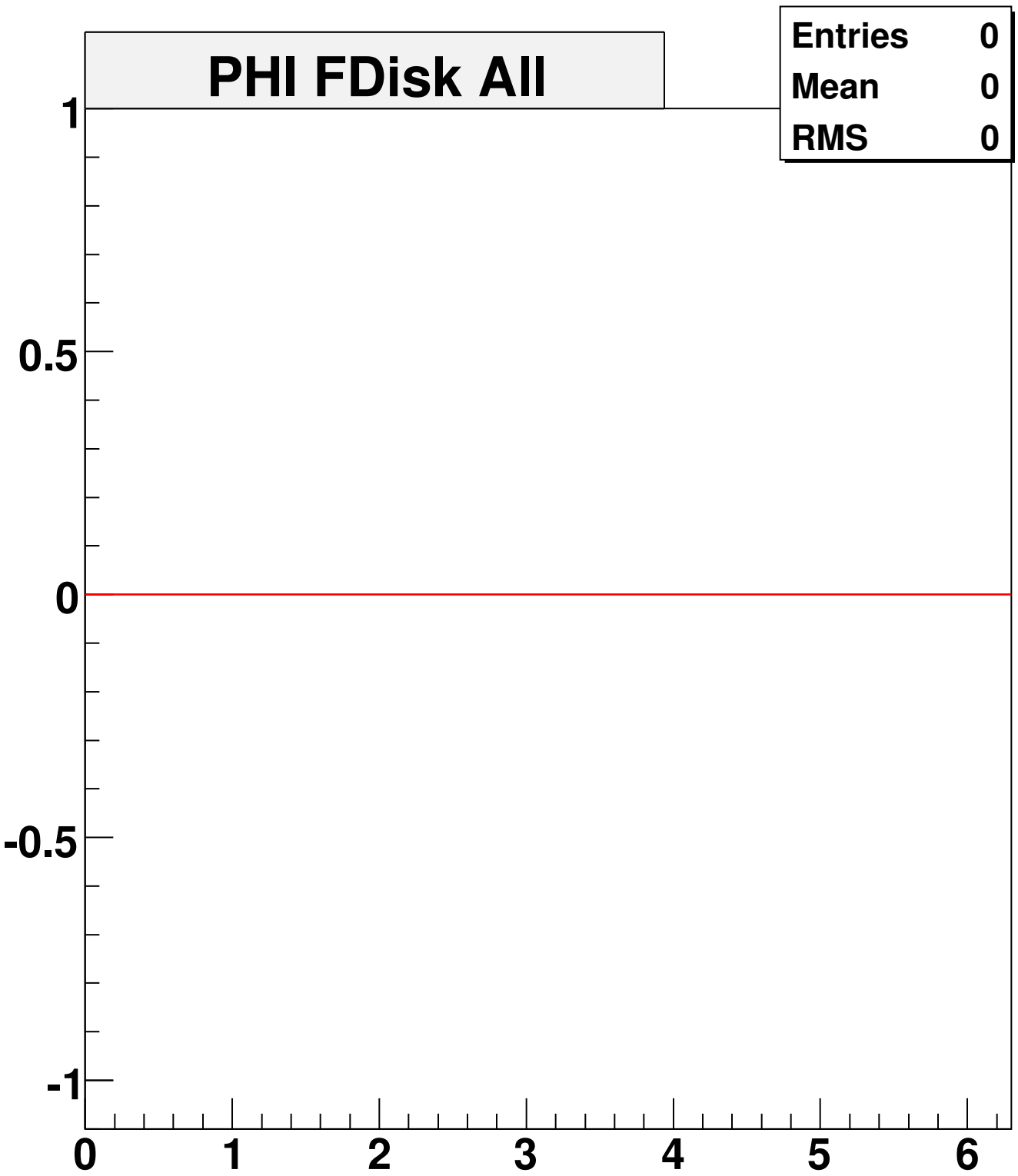


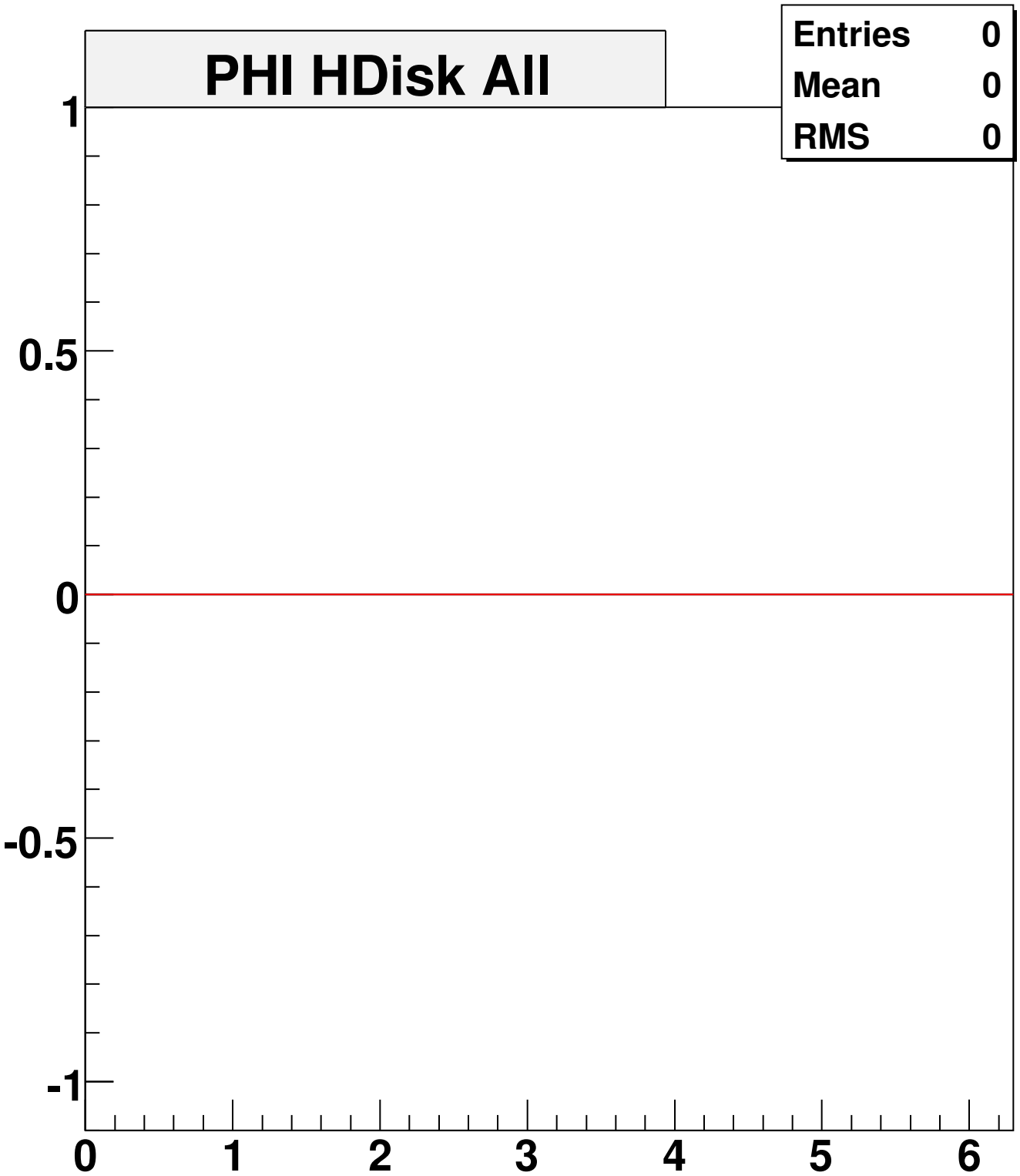
SmtClusters (FDiskClusters)



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
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)


PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
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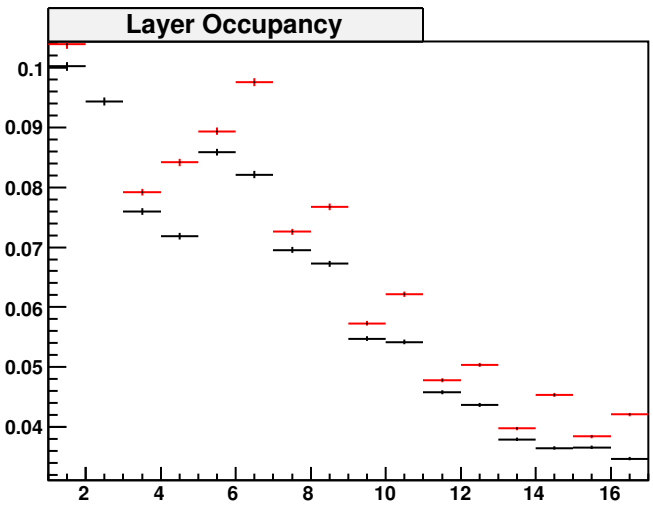
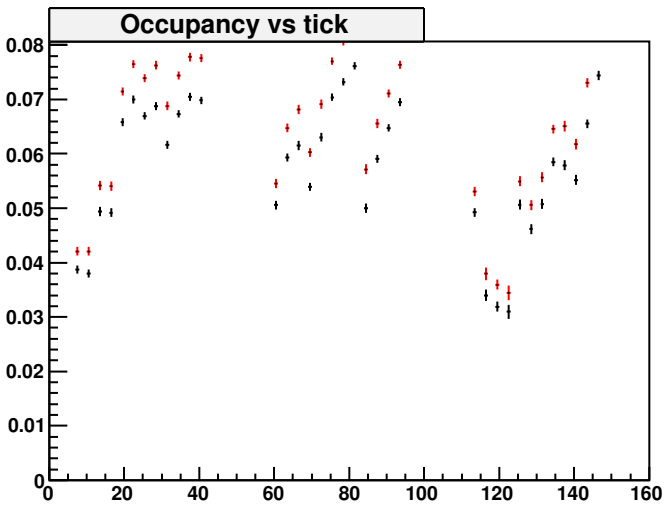
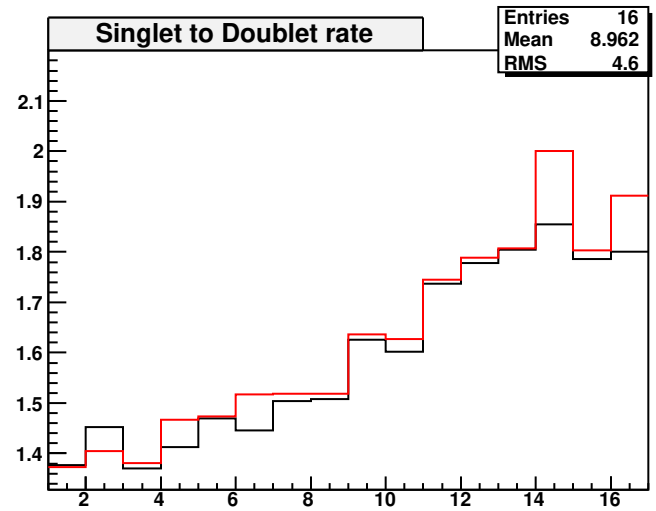
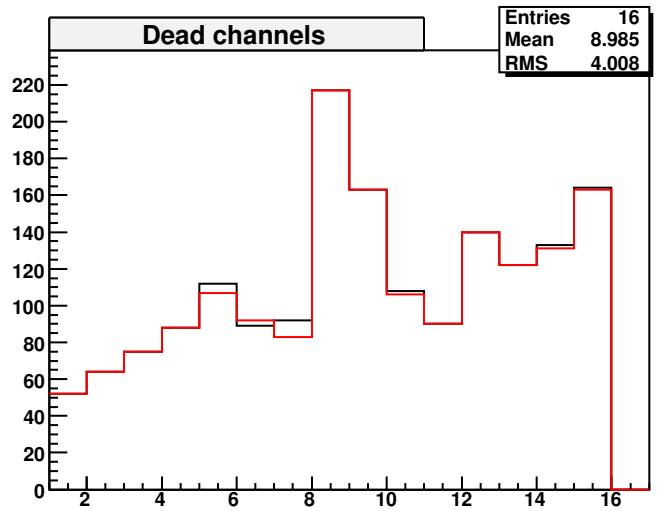
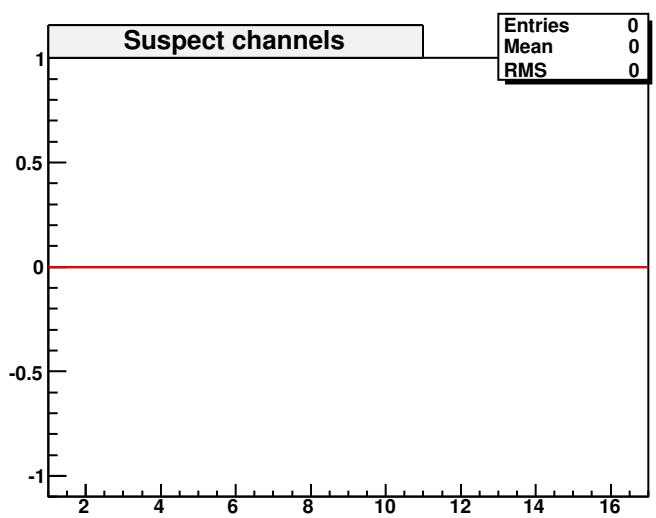
6
SmtClusters (allHDiskTClusters)

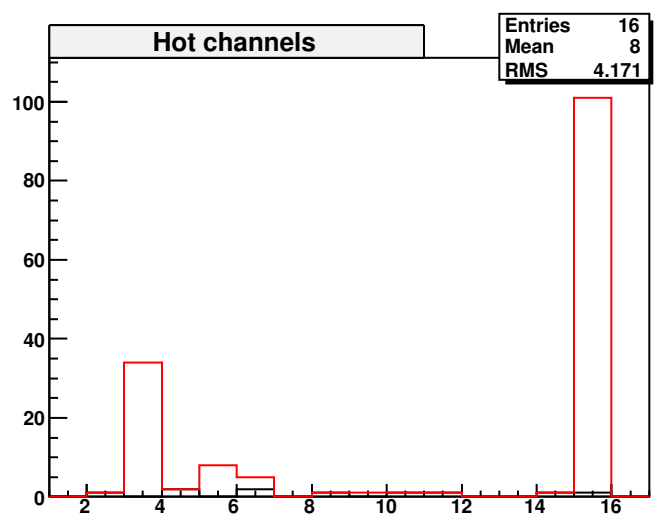




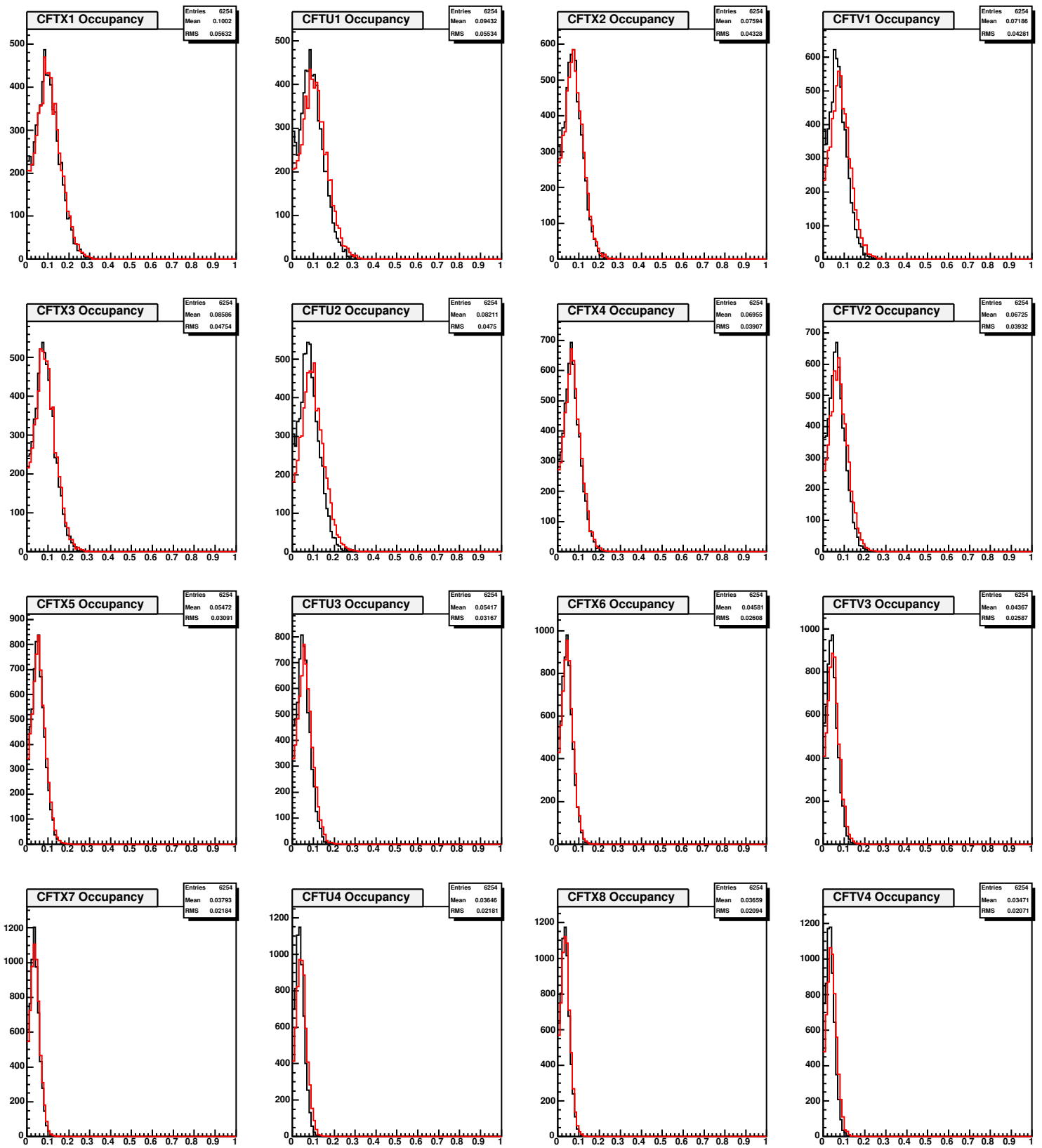




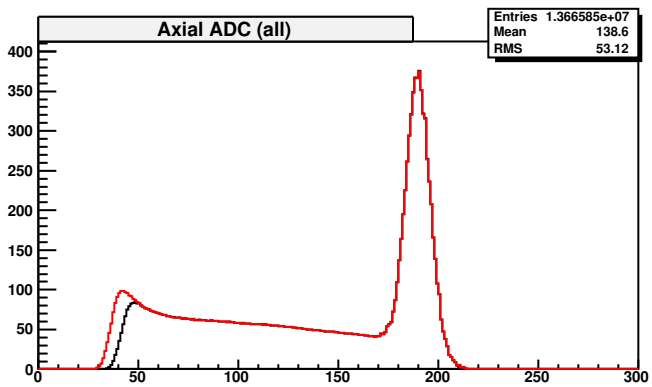


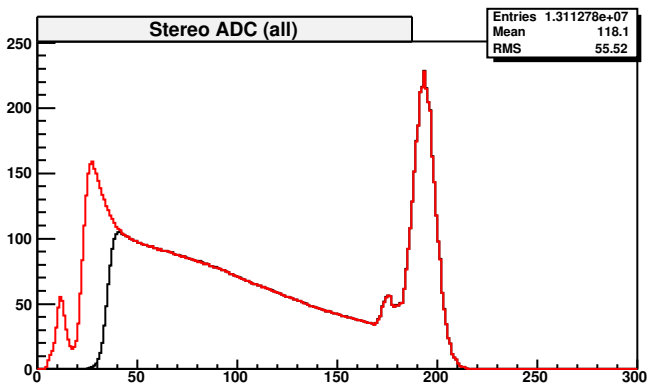


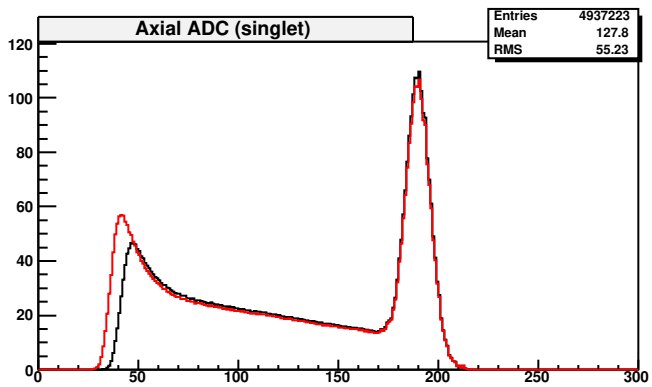
CFT Summary (All Clusters)

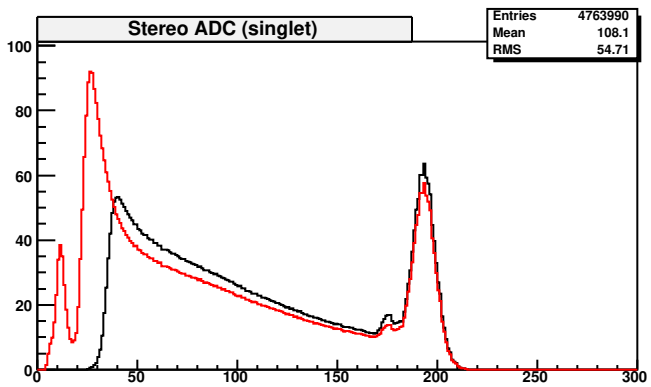


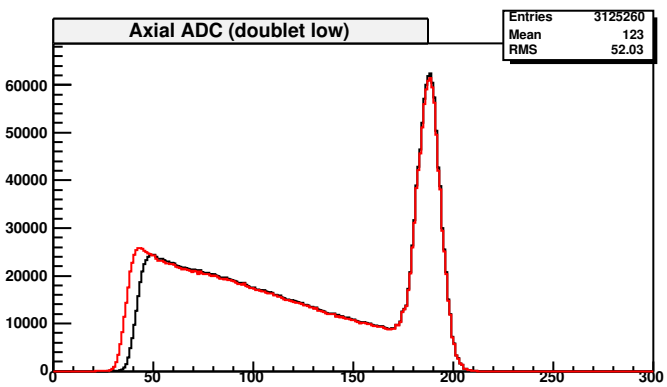
CFT Occupancy (All Clusters)

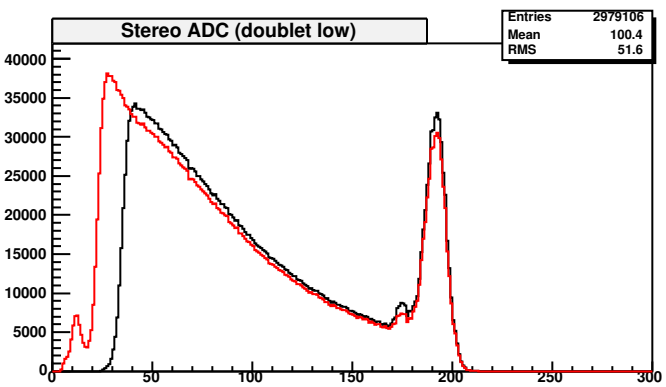


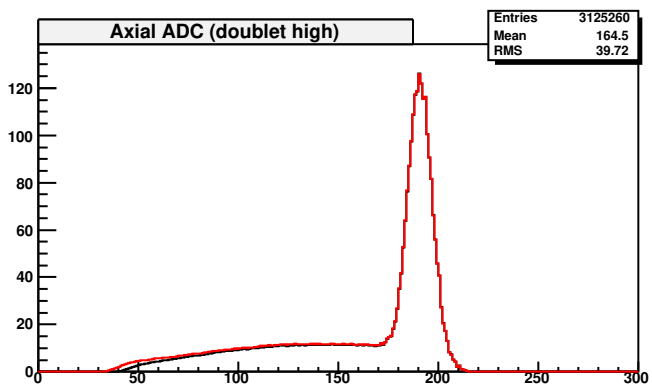


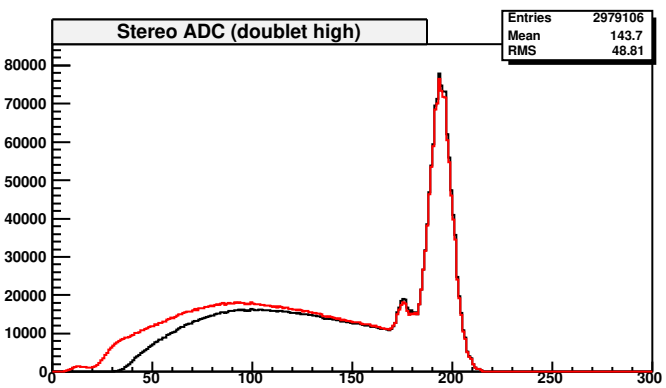




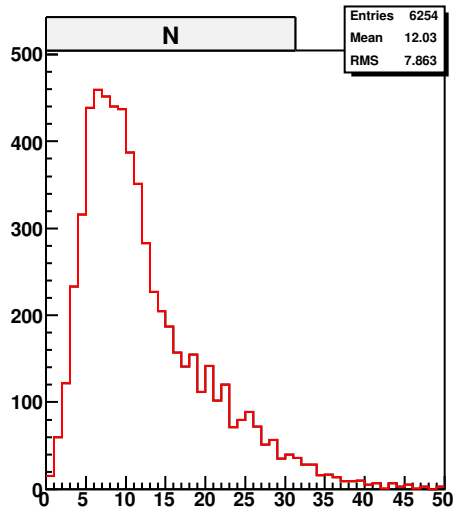


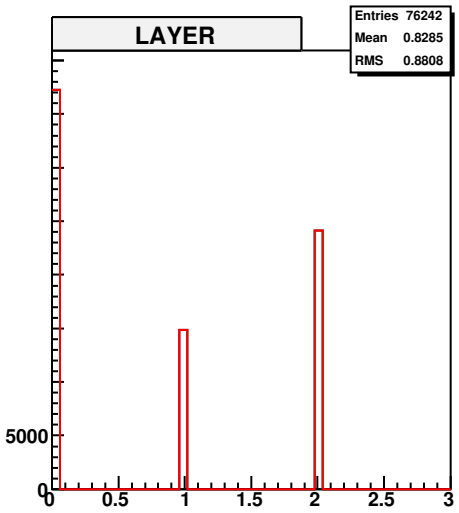


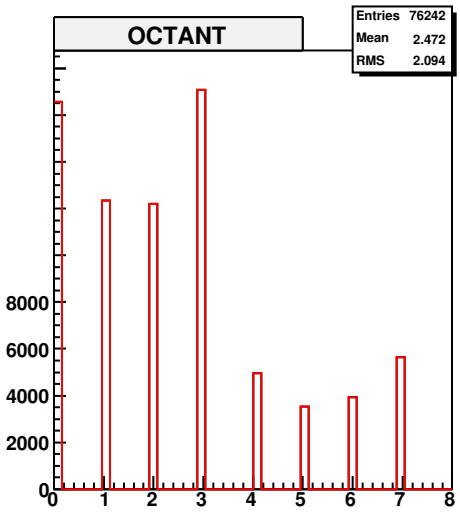


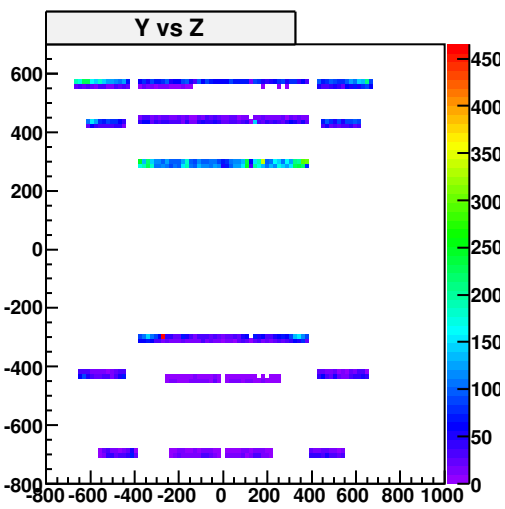


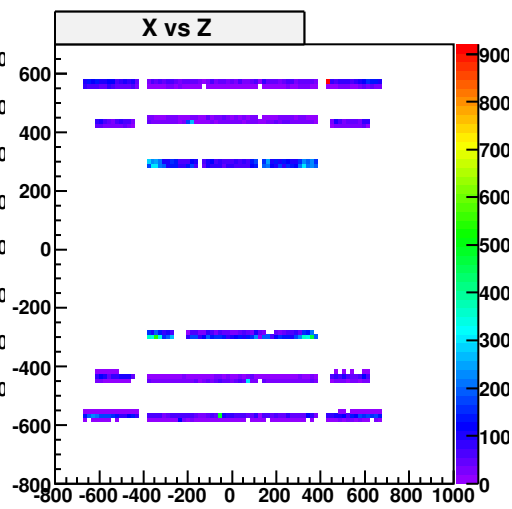
CFT ADC Summary (All Clusters)

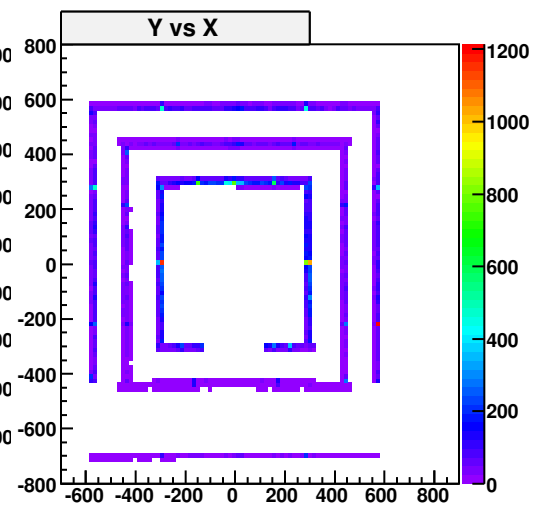

N
Entries 6254
Mean 12.03
RMS 7.863

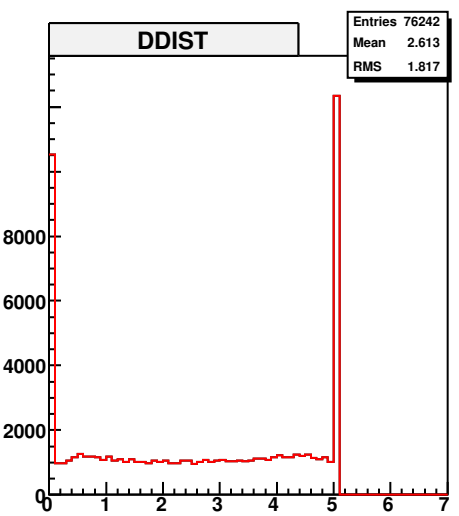

LAYER
Entries 76242
Mean 0.8285
RMS 0.8808

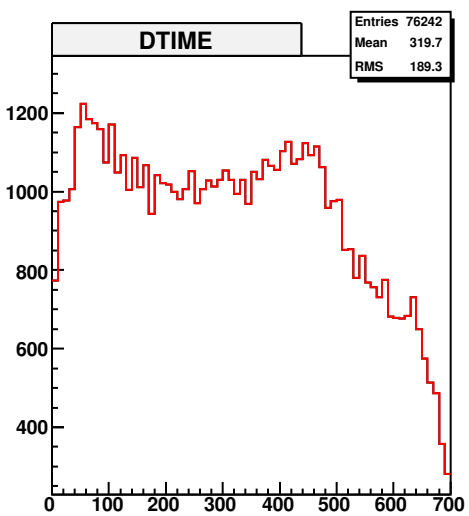

OCTANT
Entries 76242
Mean 2.472
RMS 2.094


Y vs Z

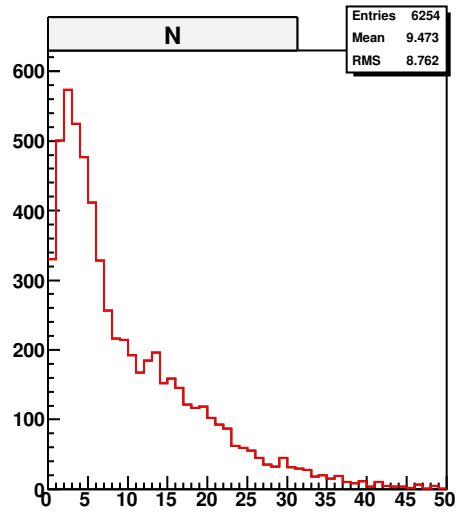

X vs Z

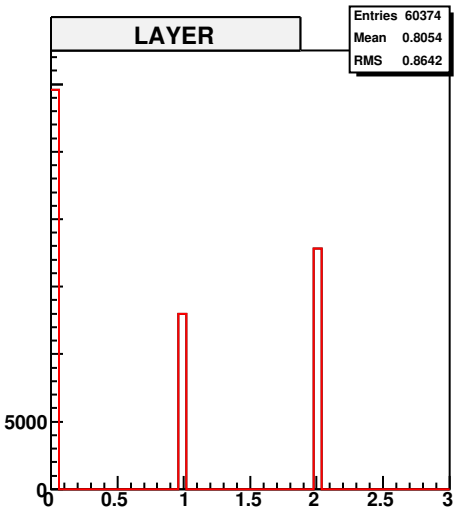

Y vs X

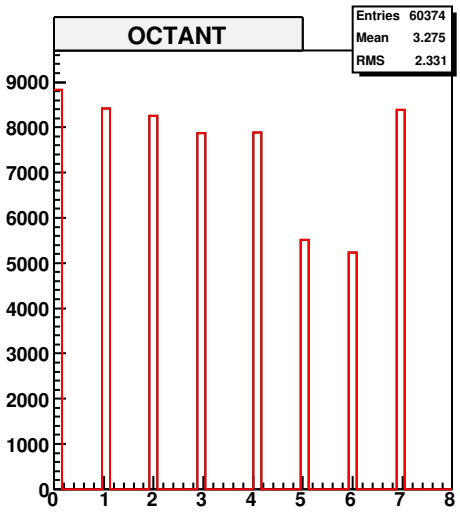

DDIST
Entries 76242
Mean 2.613
RMS 1.817

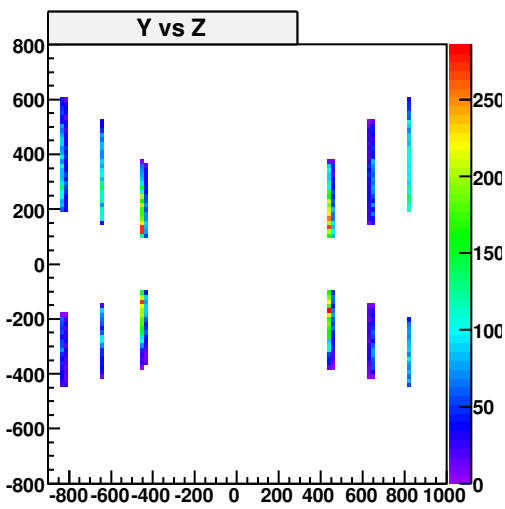

DTIME
Entries 76242
Mean 319.7
RMS 189.3

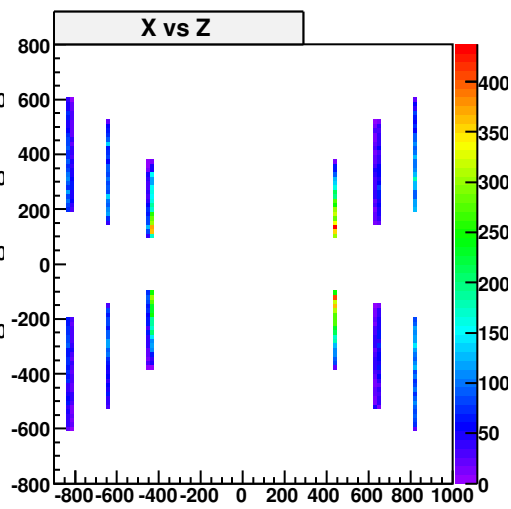
MuonPDT (All)

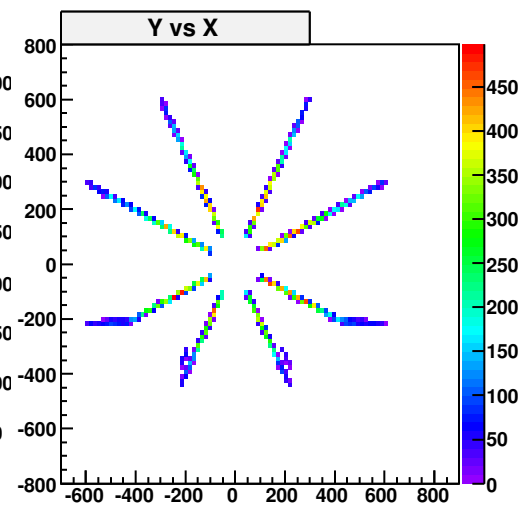

N
Entries 6254
Mean 9.473
RMS 8.762

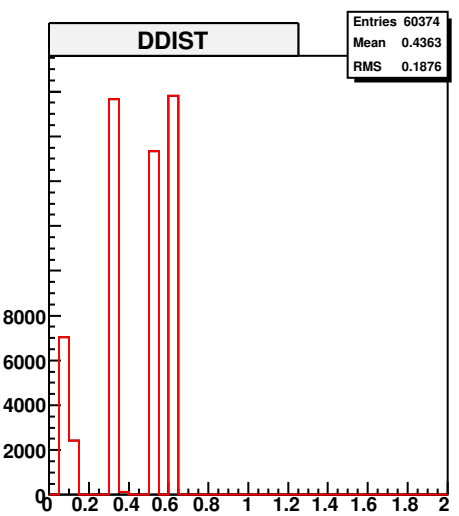

LAYER
Entries 60374
Mean 0.8054
RMS 0.8642

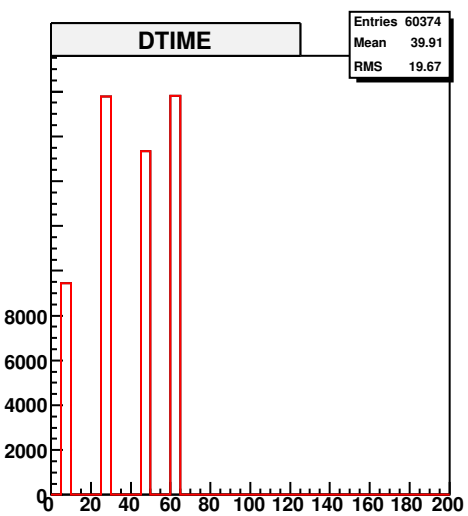

OCTANT
Entries 60374
Mean 3.275
RMS 2.331


Y vs Z

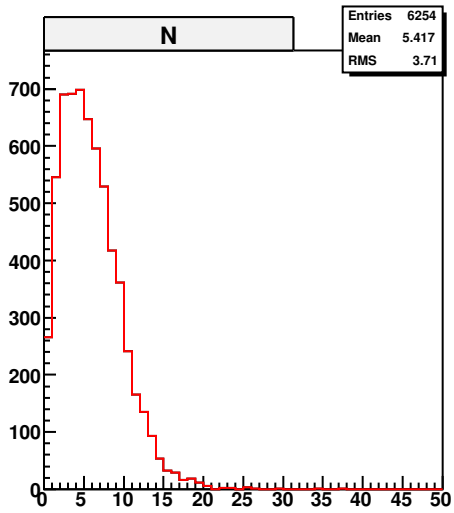

X vs Z

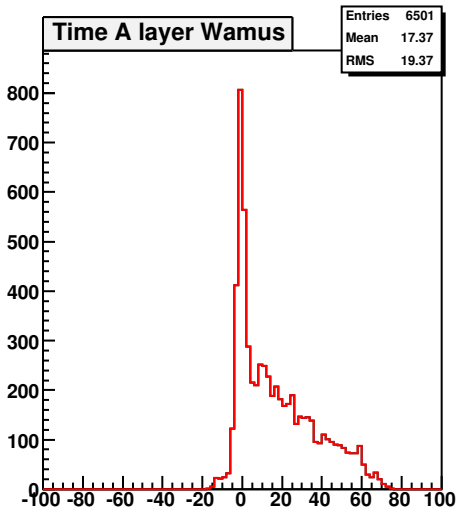

Y vs X

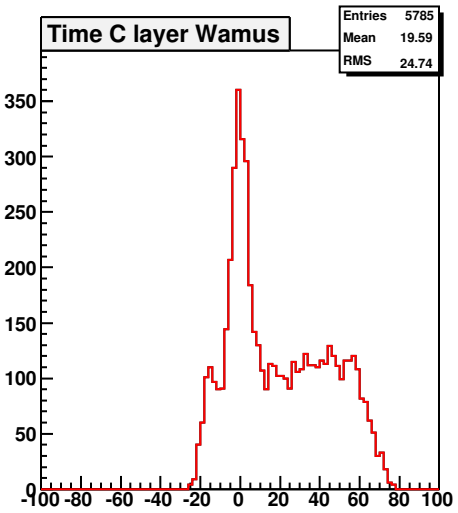

DDIST
Entries 60374
Mean 0.4363
RMS 0.1876

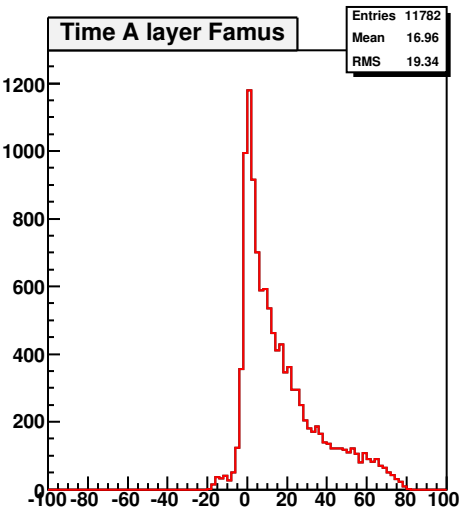

DTIME
Entries 60374
Mean 39.91
RMS 19.67

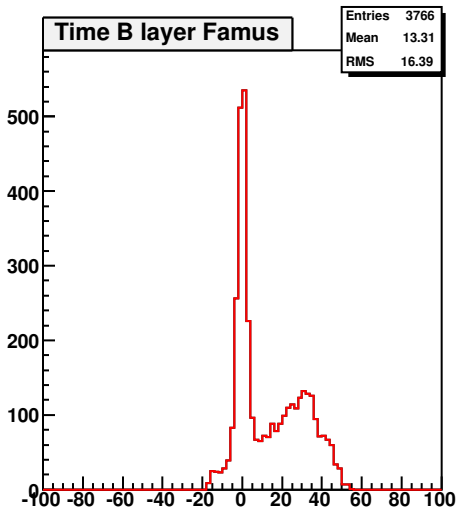
MuonMDT (All)

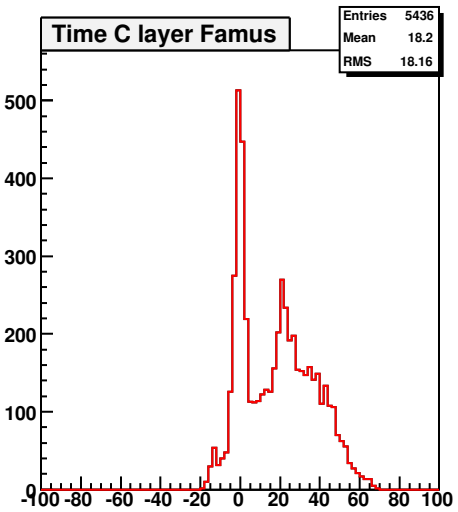

N
Entries 6254
Mean 5.417
RMS 3.71

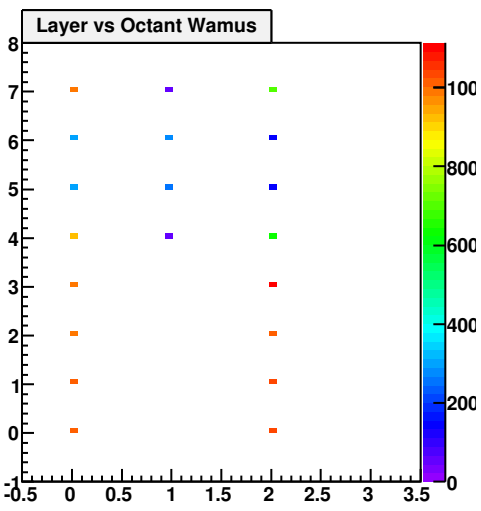

Time A layer Wamus
Entries 6501
Mean 17.37
RMS 19.37

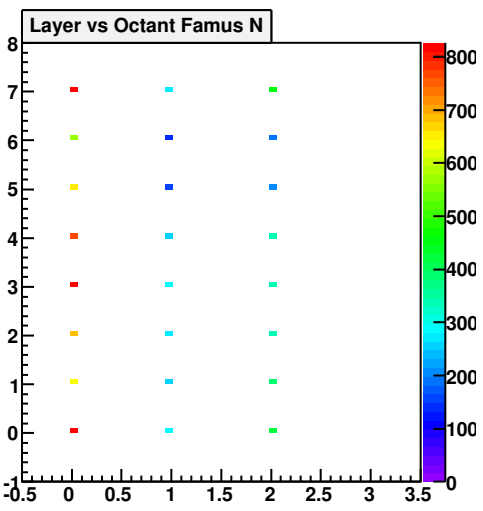

Time C layer Wamus
Entries 5785
Mean 19.59
RMS 24.74

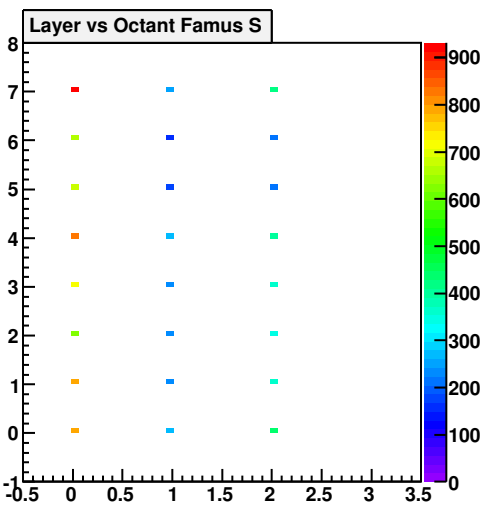

Time A layer Famus
Entries 11782
Mean 16.96
RMS 19.34


Time B layer Famus
Entries 3766
Mean 13.31
RMS 16.39

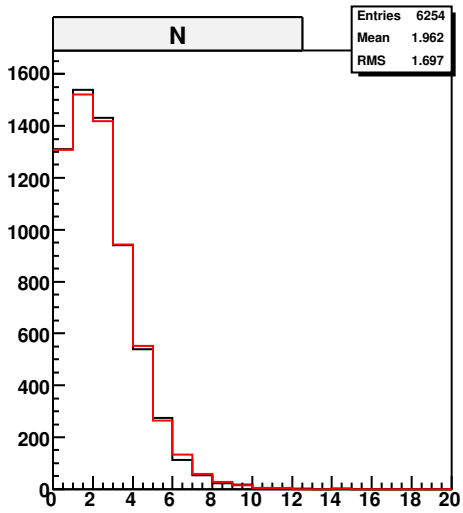

Time C layer Famus
Entries 5436
Mean 18.2
RMS 18.16

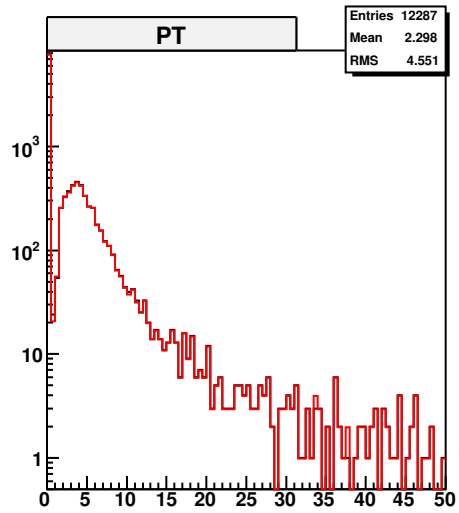

Layer vs Octant Wamus

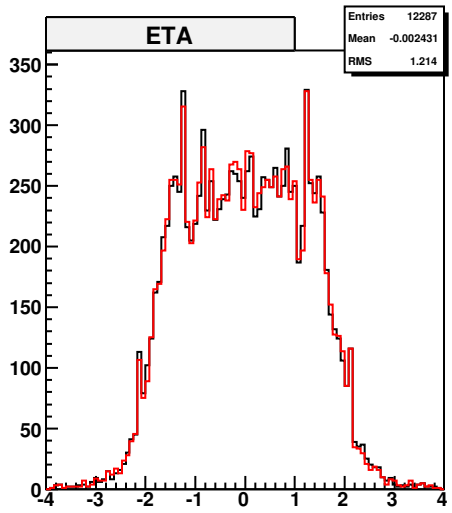

Layer vs Octant Famus N

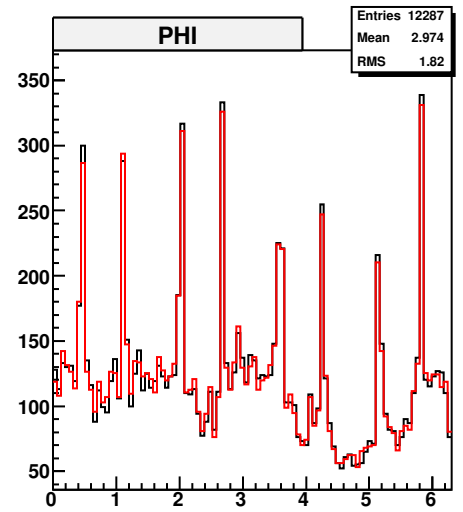

Layer vs Octant Famus S

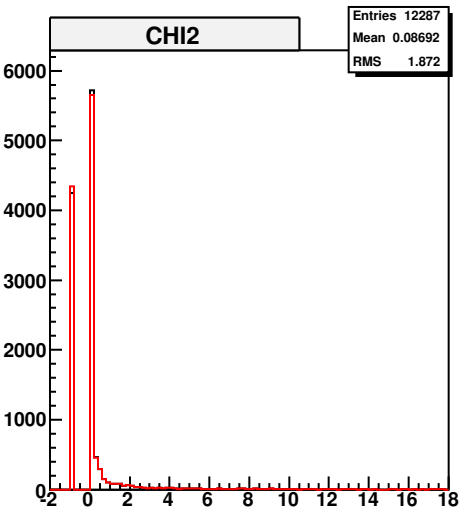
MuonMSC (All)

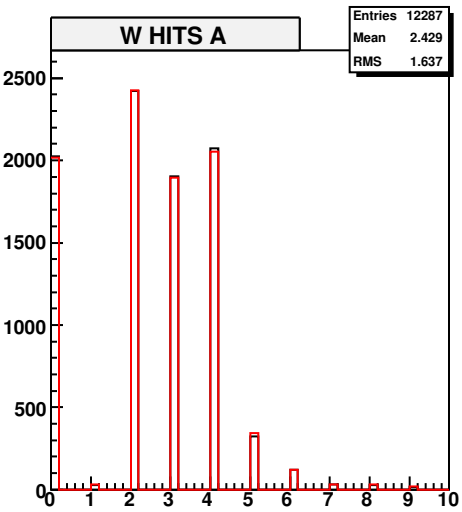


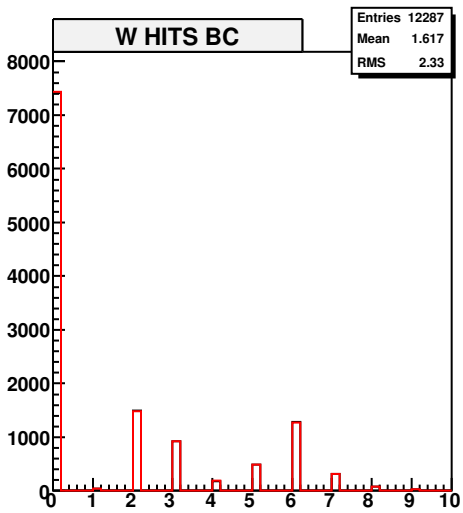


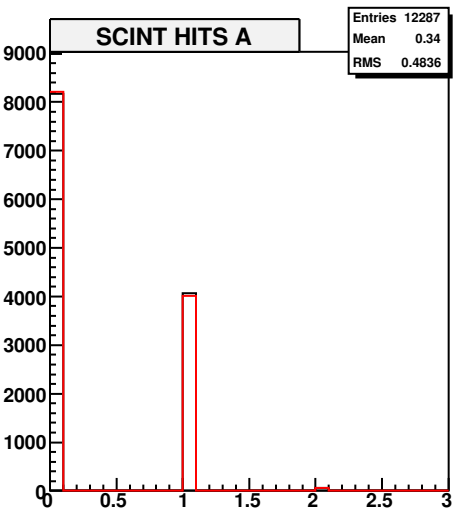


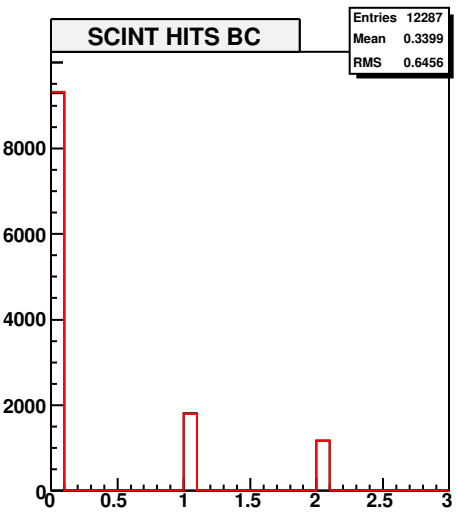




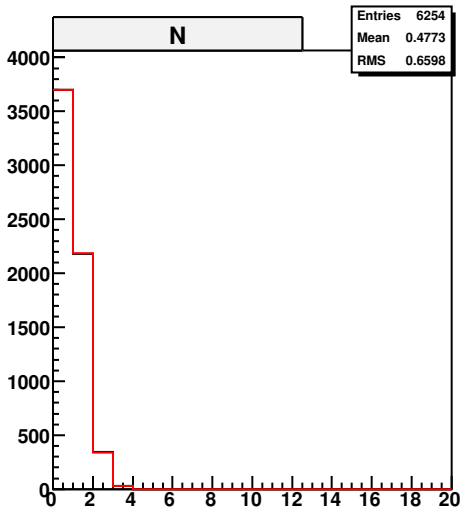


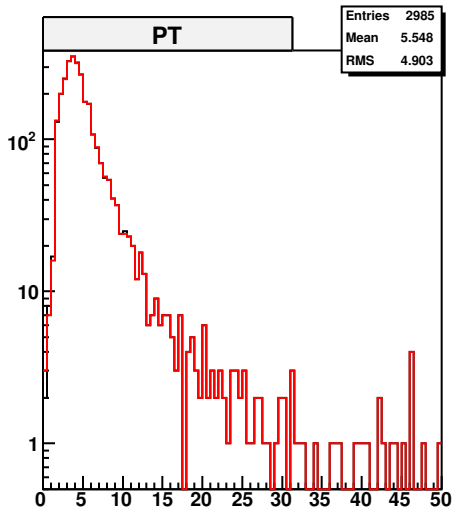


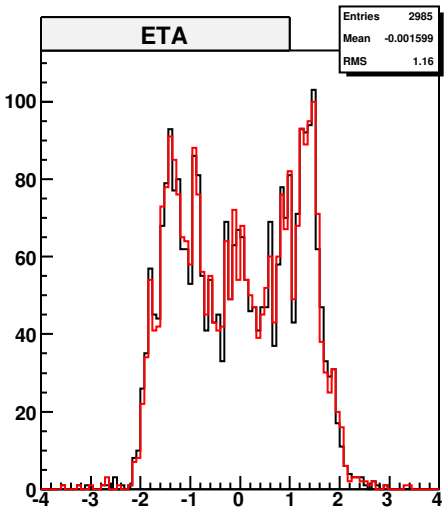


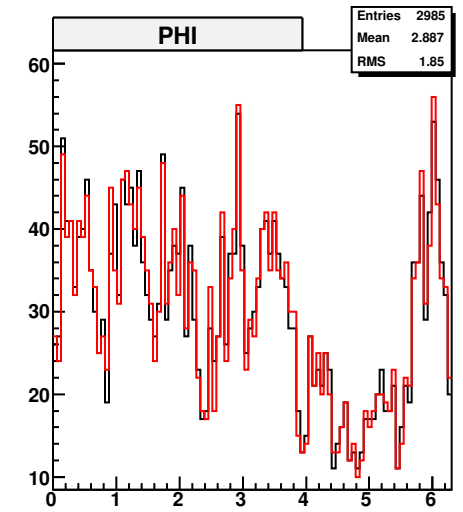


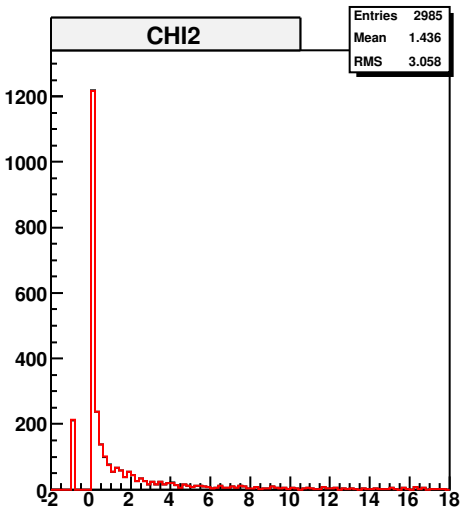
Muon Local Tracks (All)

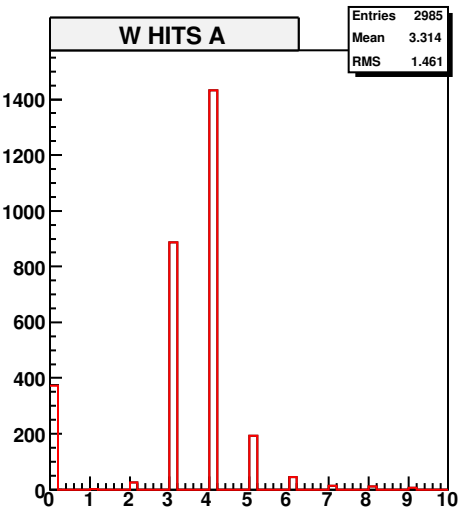


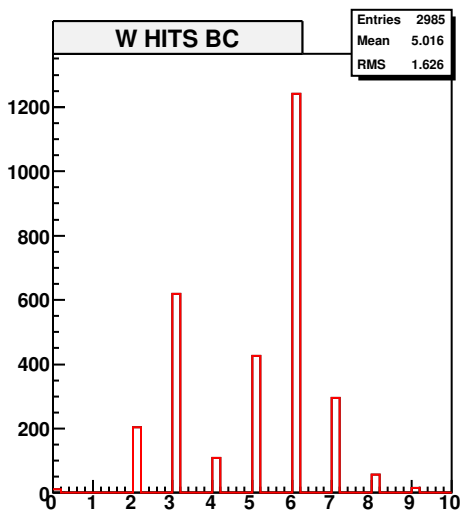


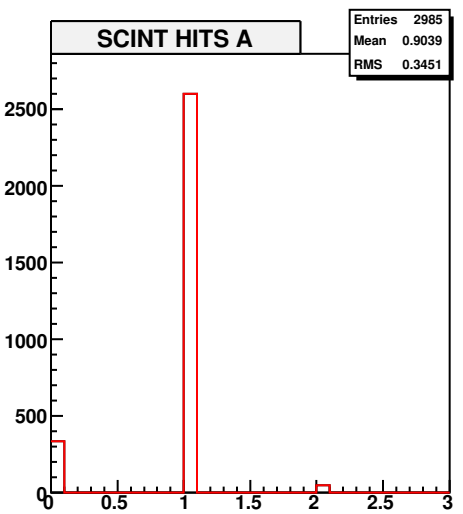


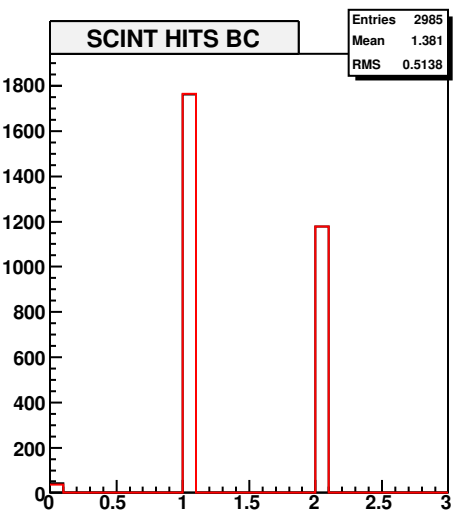




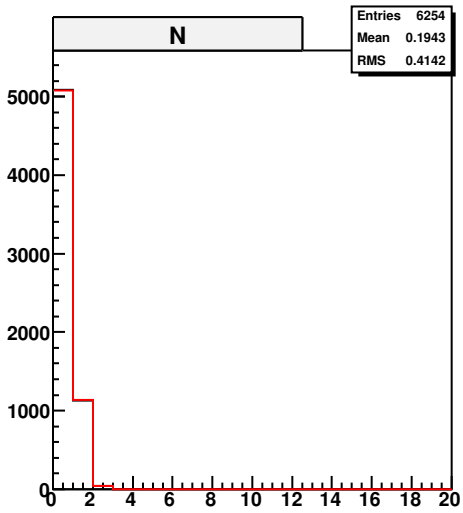


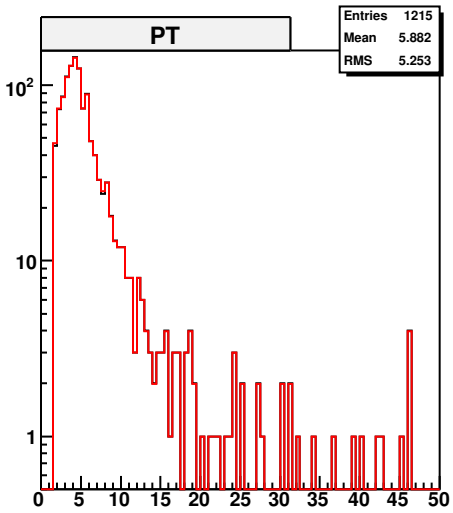


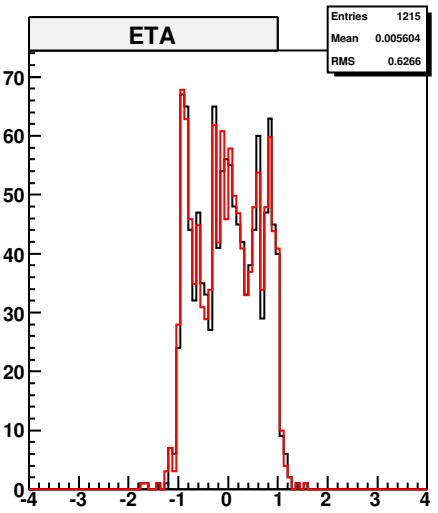


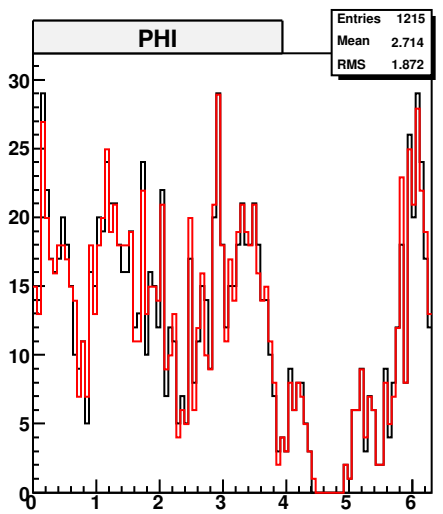


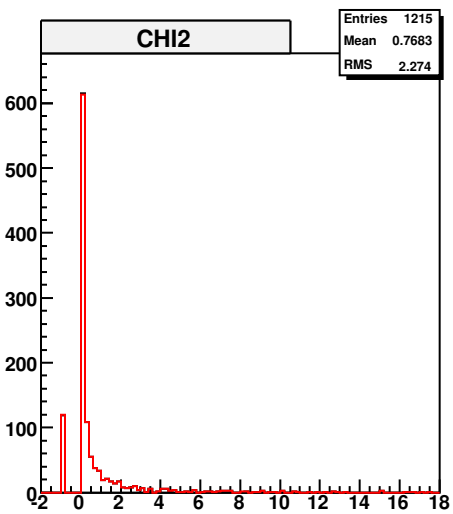
Muon Local Tracks (LooseWamus)

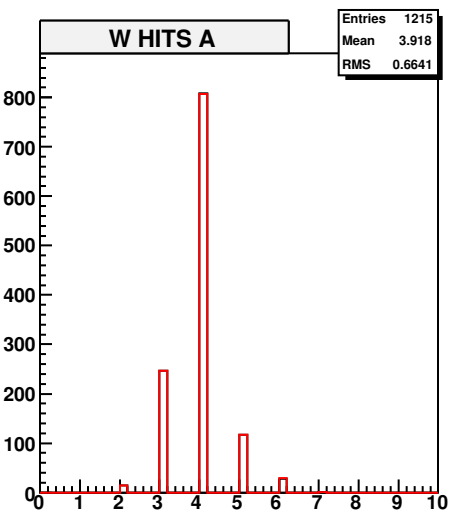


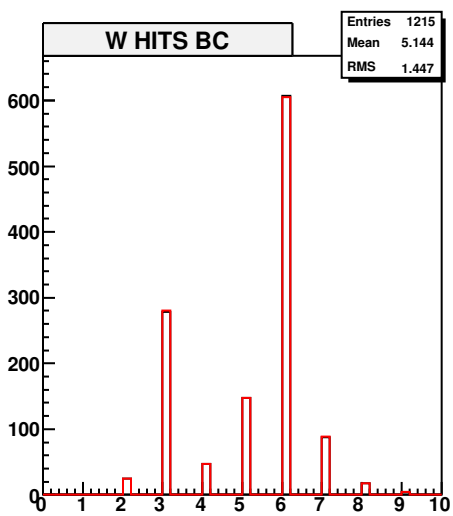


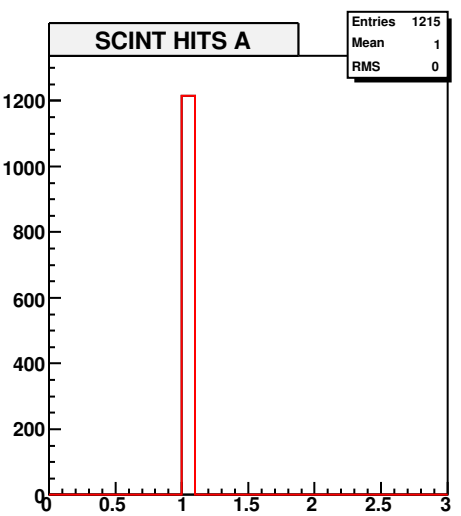


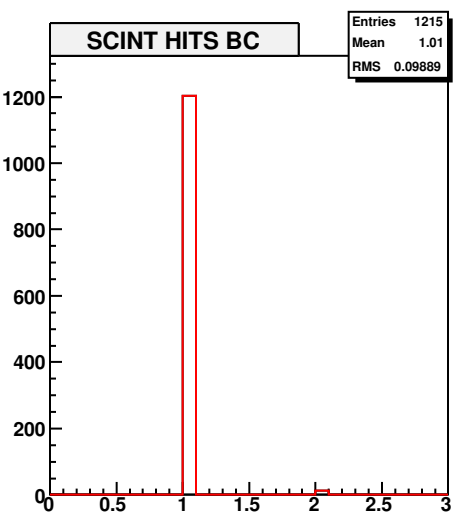




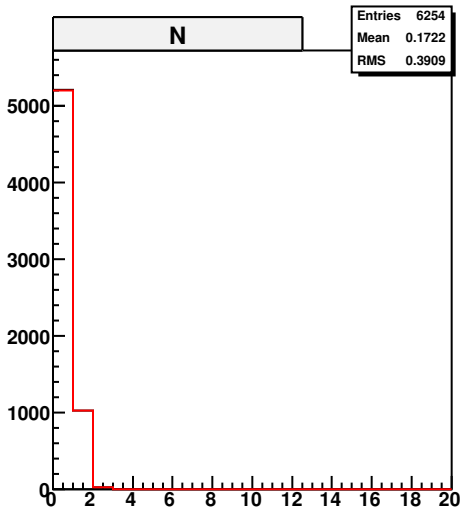


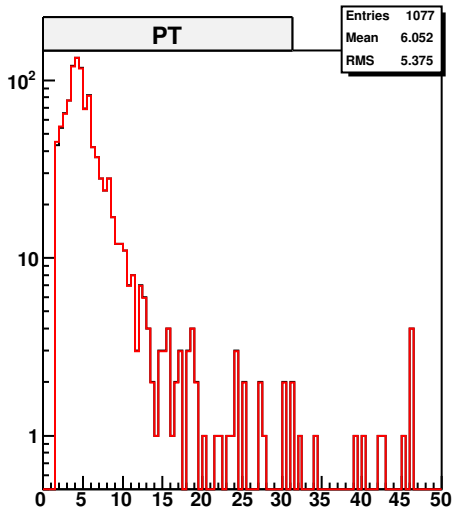


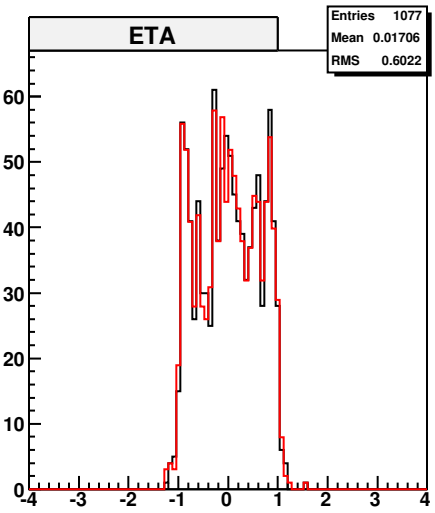


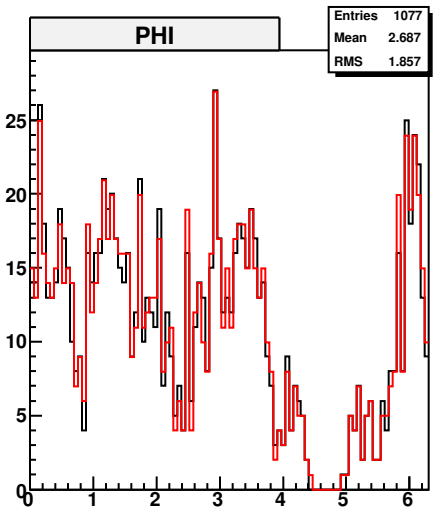


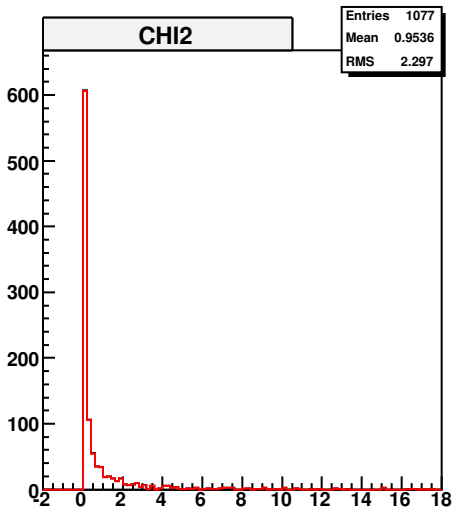
Muon Local Tracks (MediumWamus)

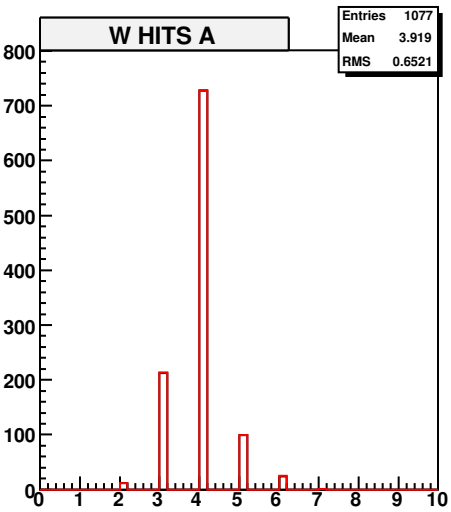


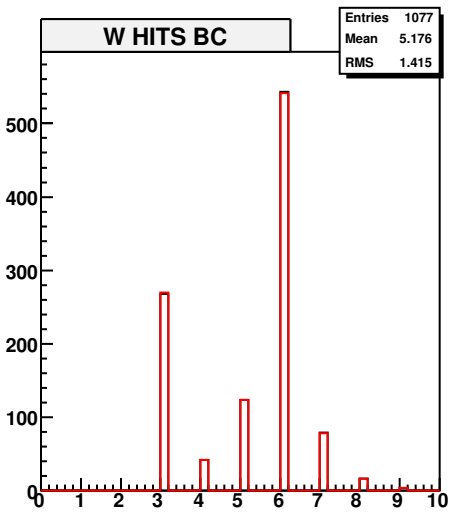


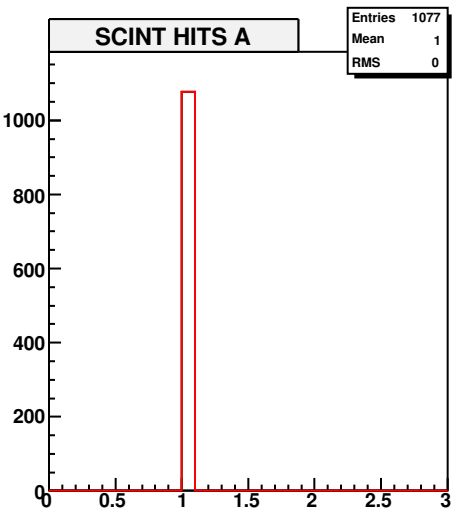


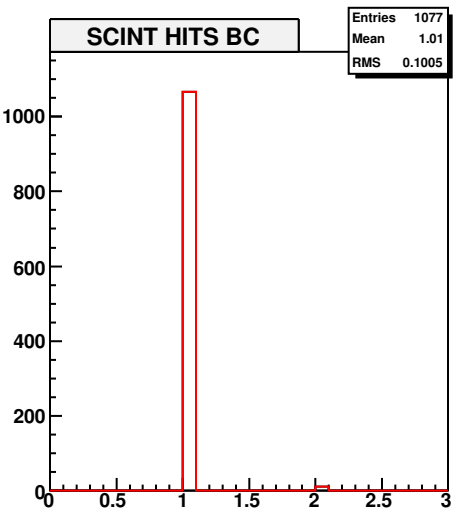




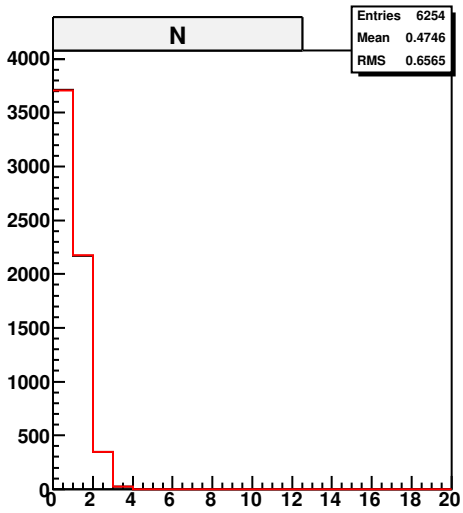


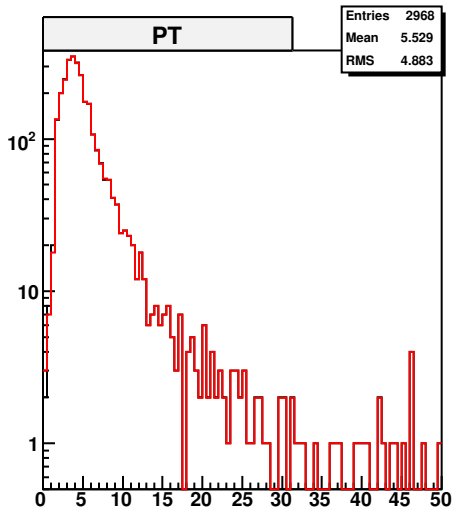


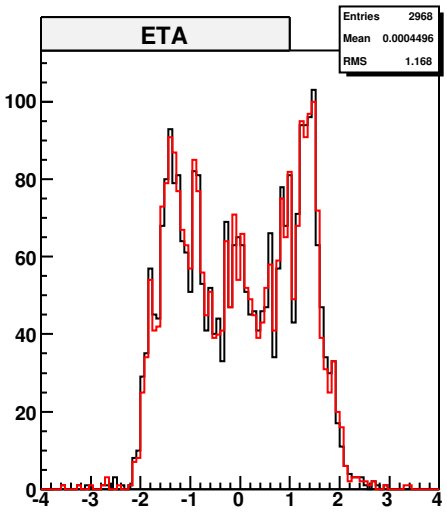


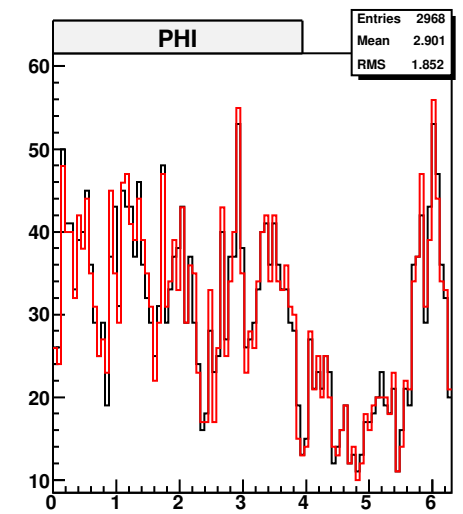


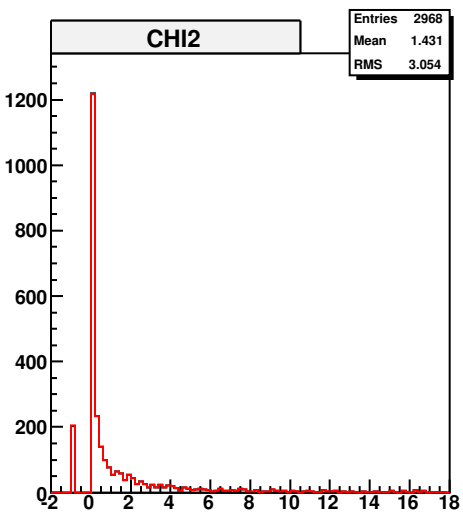
Muon Local Tracks (TightWamus)

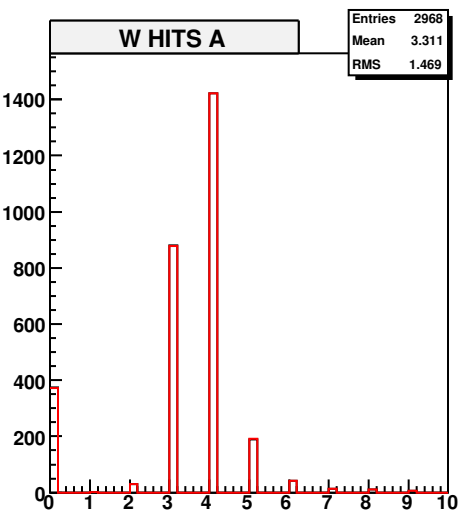


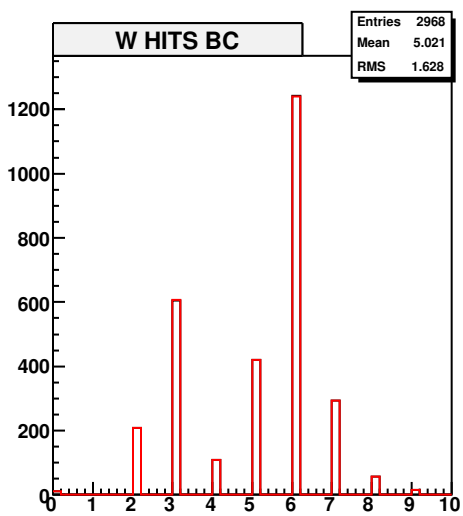


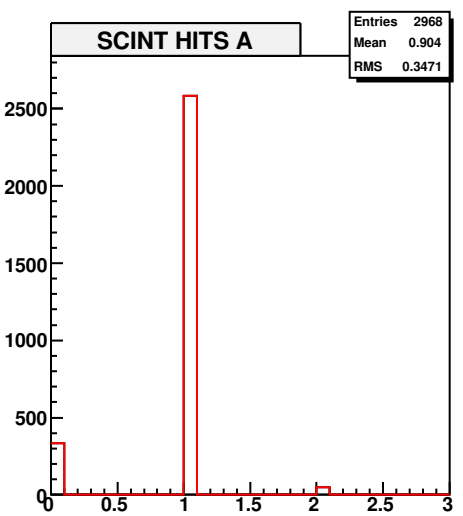


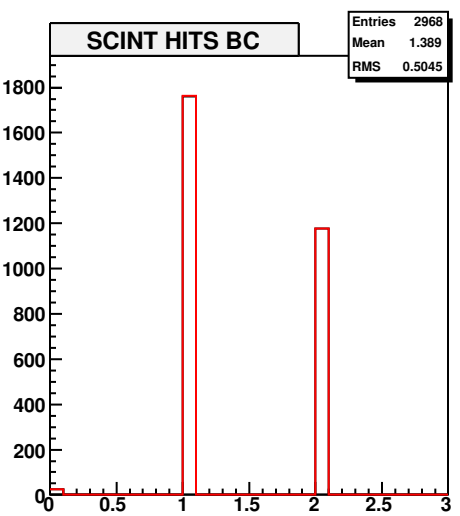




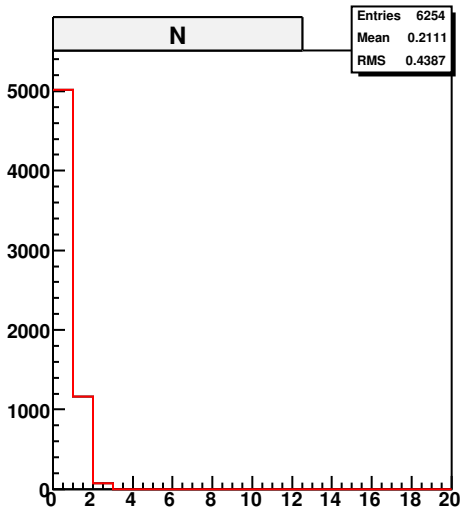


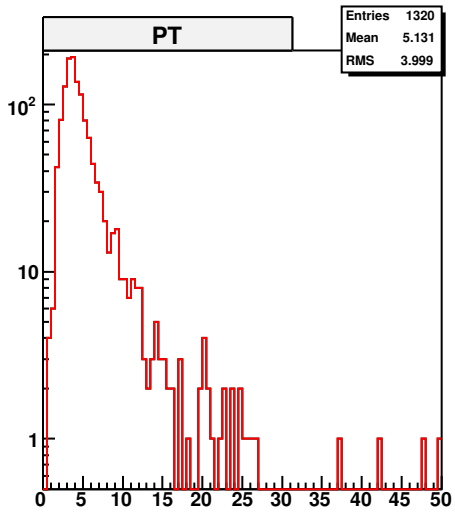


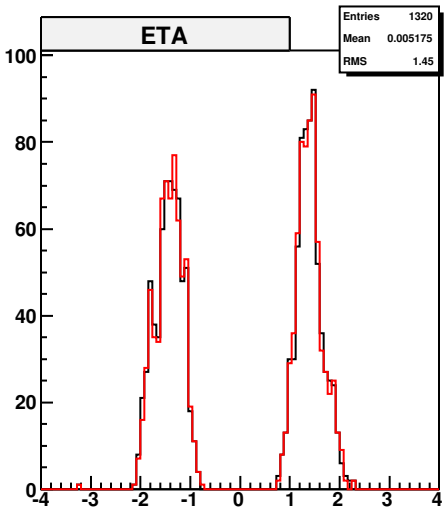


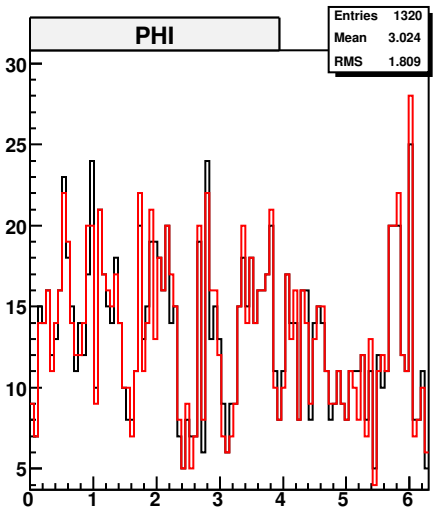


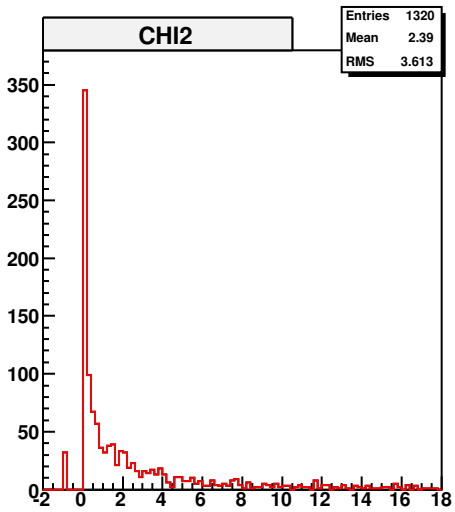
Muon Local Tracks (LooseFamus)

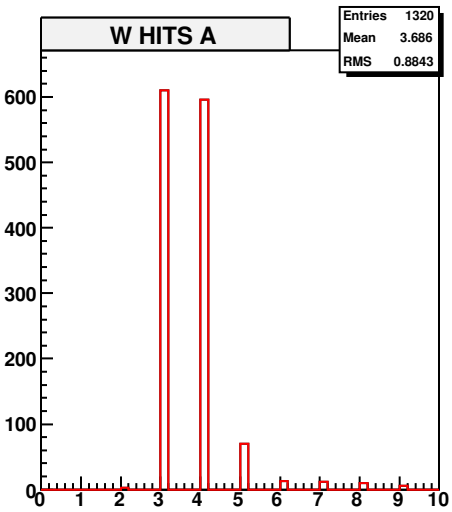


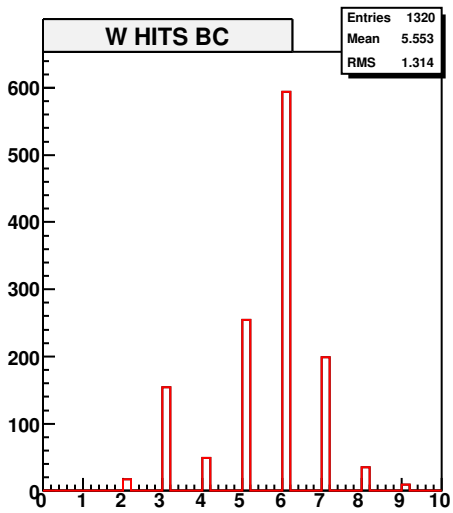


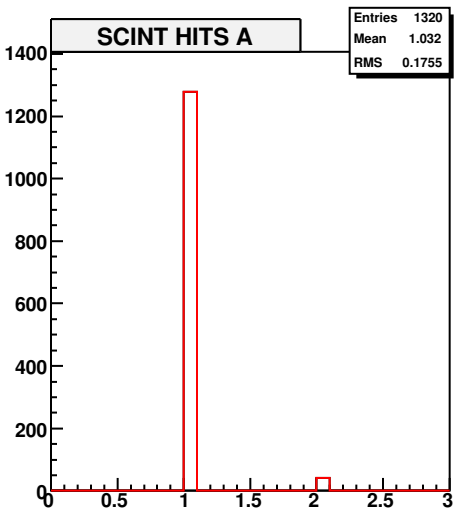


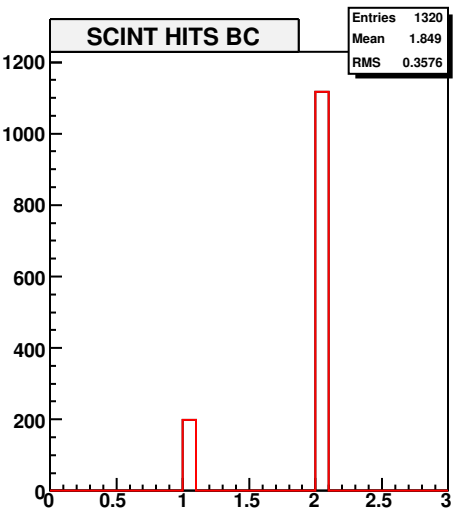




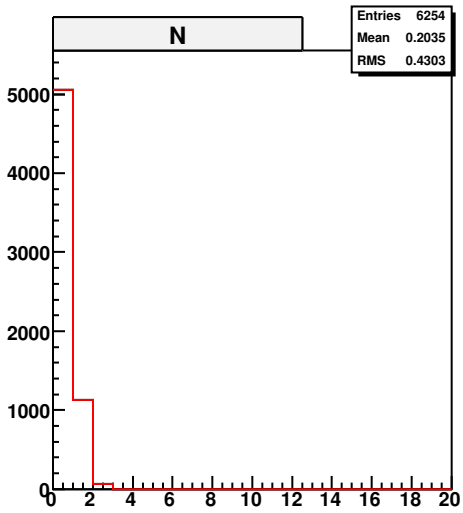


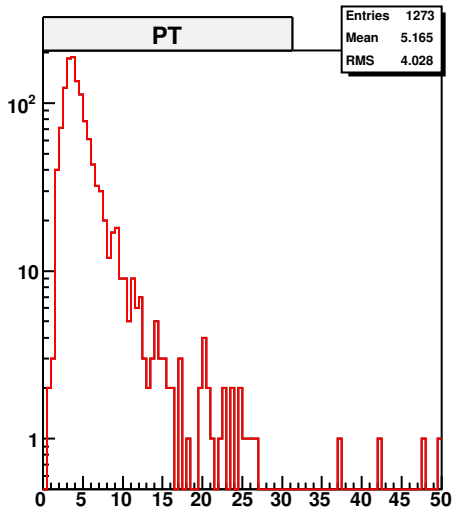


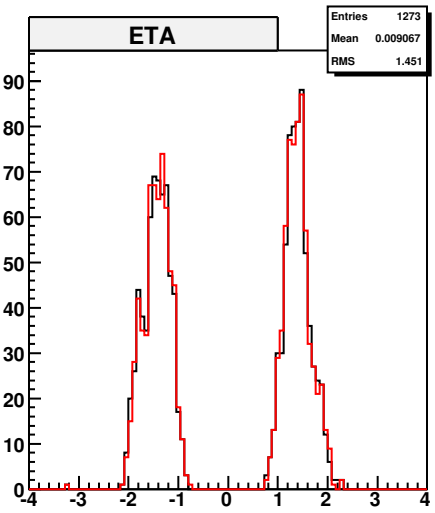


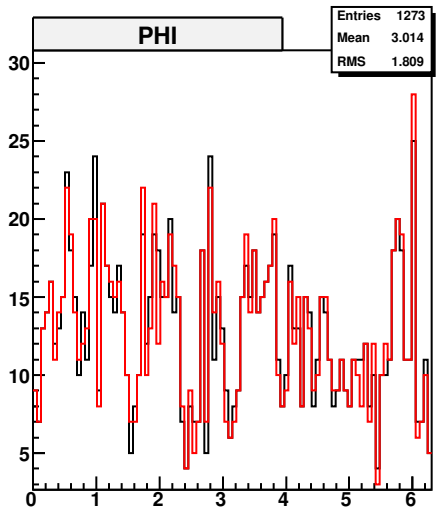


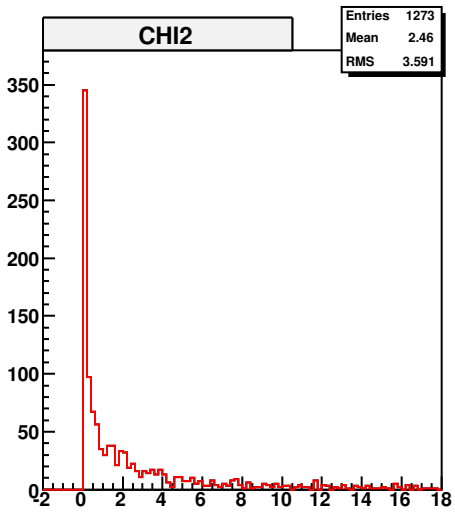
Muon Local Tracks (MediumFamus)

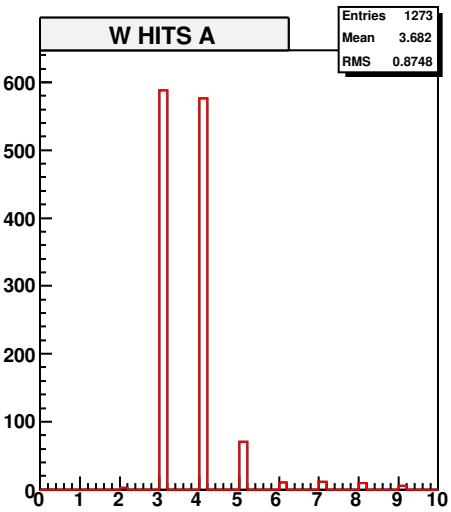


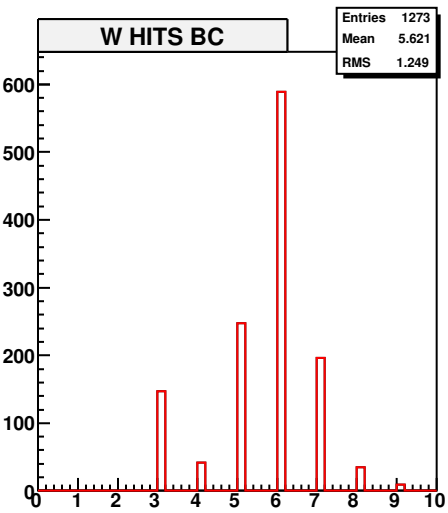


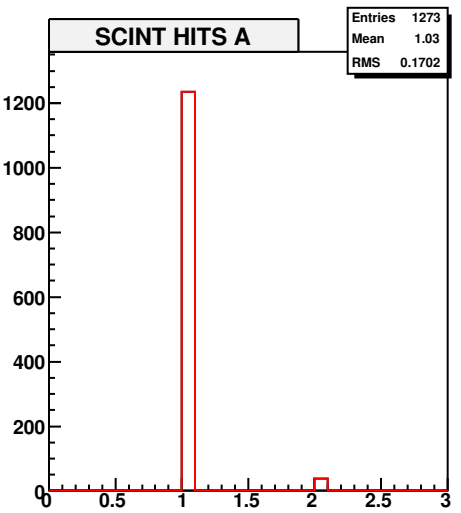


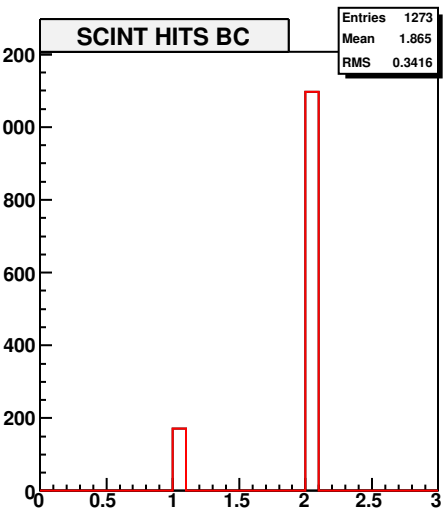




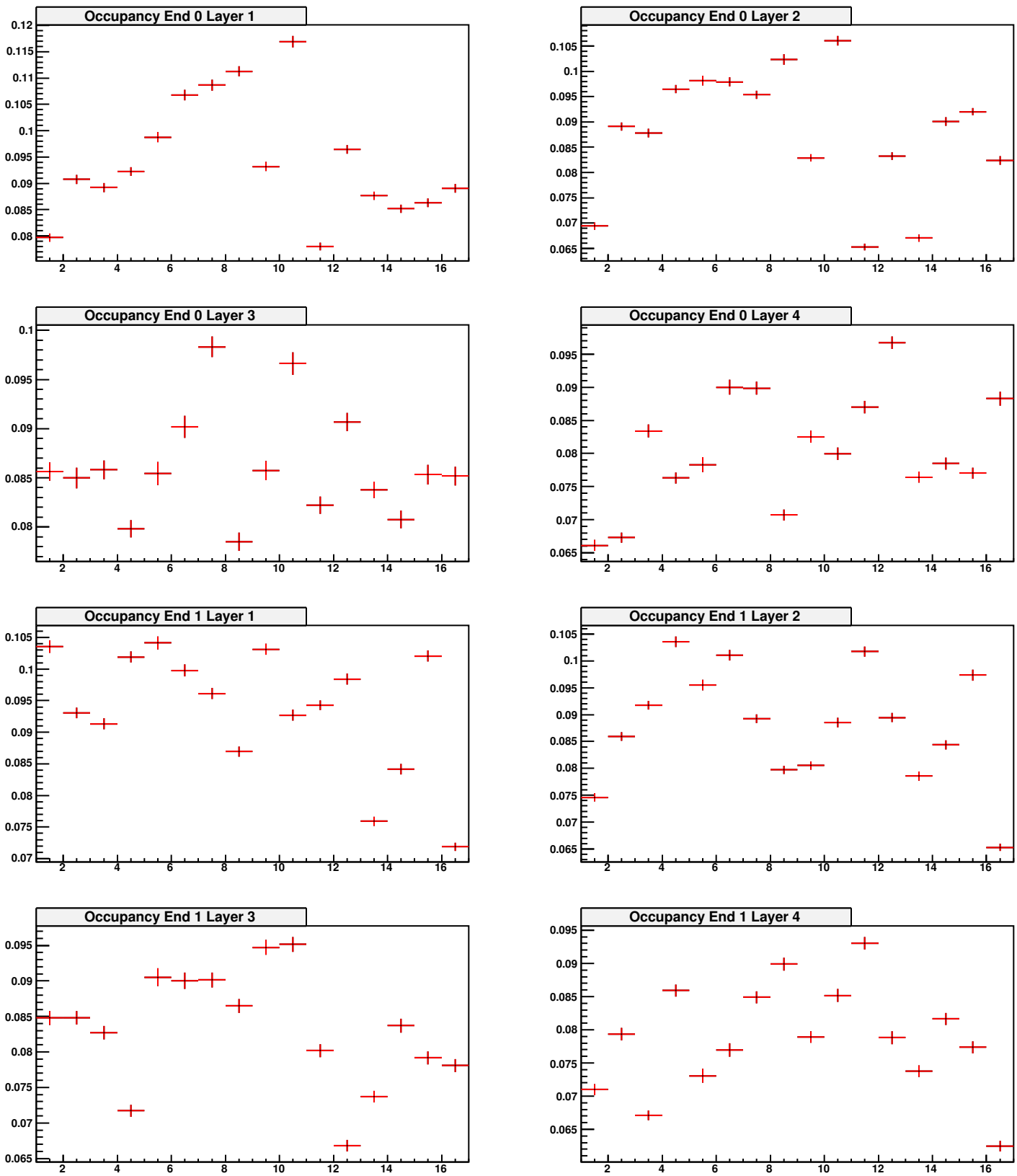




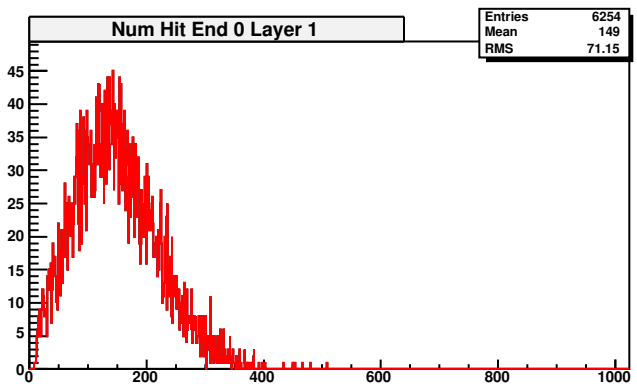


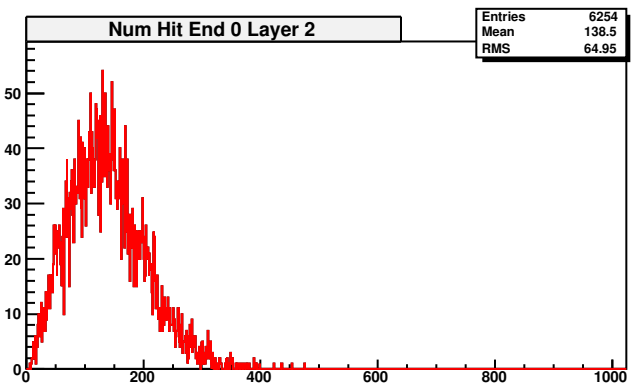


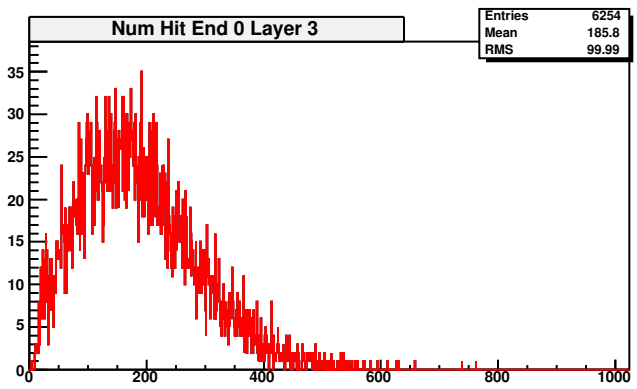
Muon Local Tracks (TightFamus)

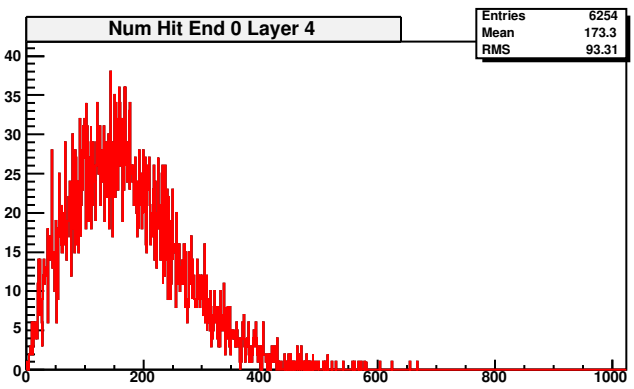


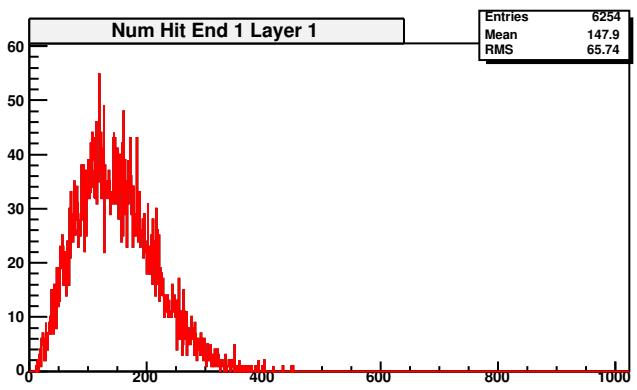
FPS Hit Occupancy (All)

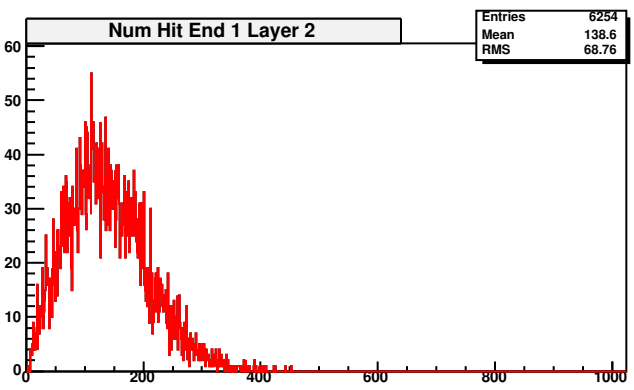


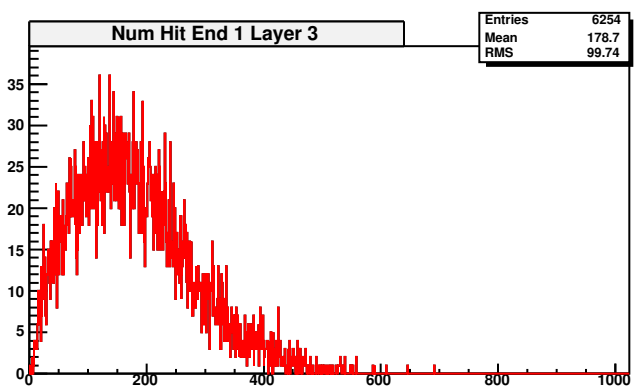


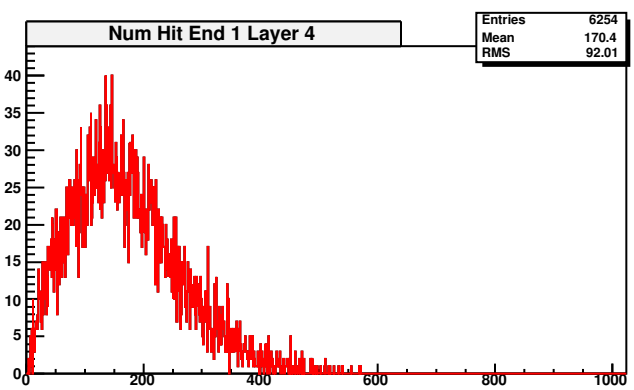




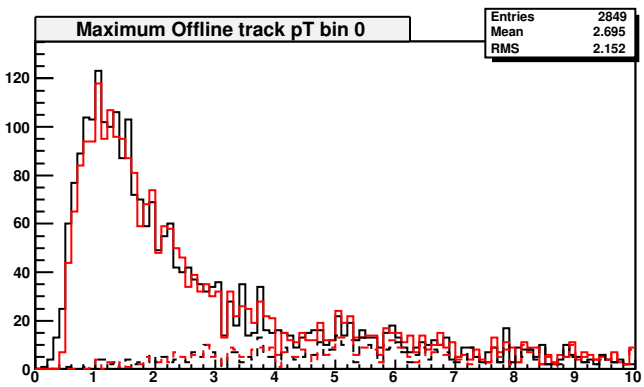


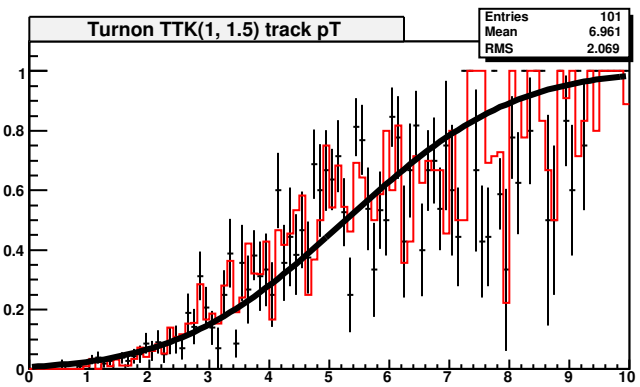


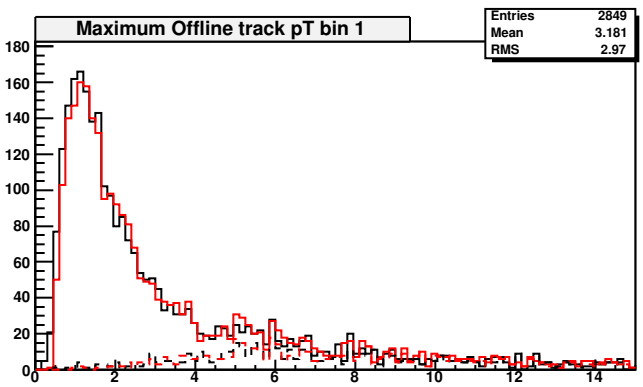


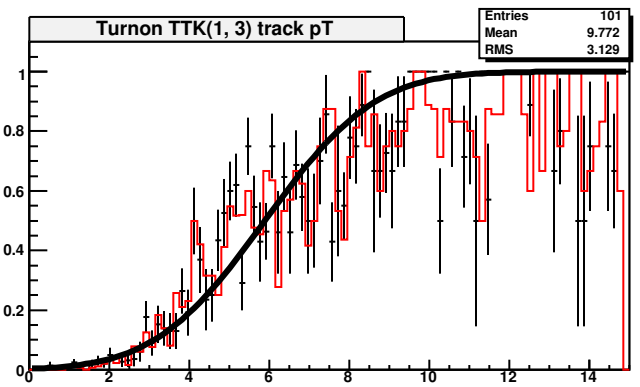


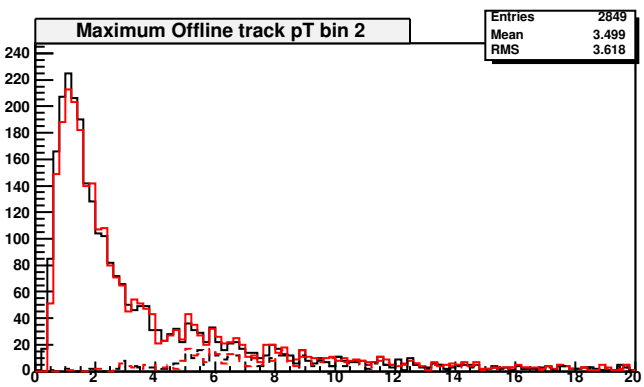
FPS Number of Hits (All)

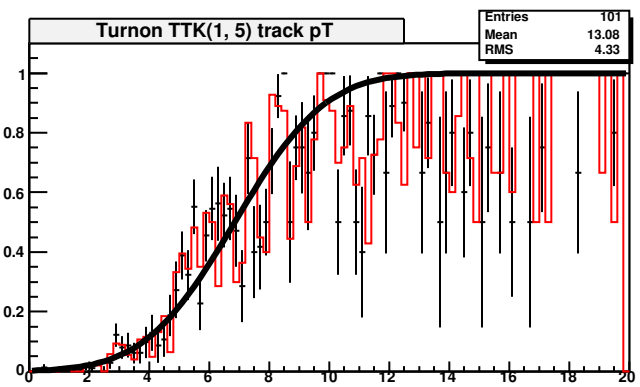


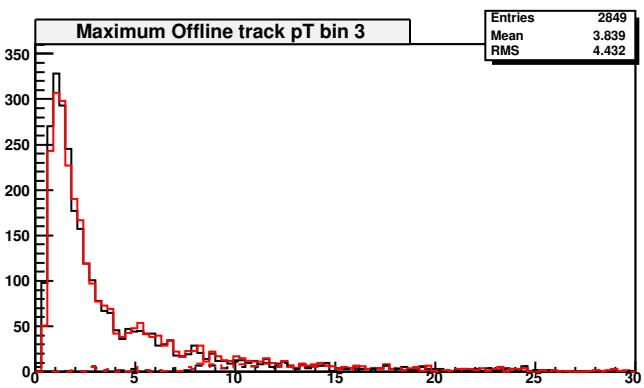


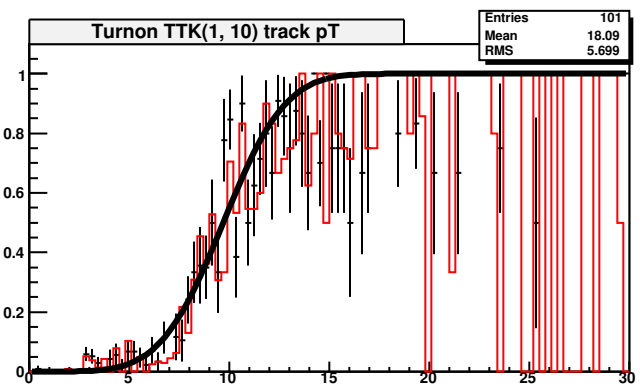




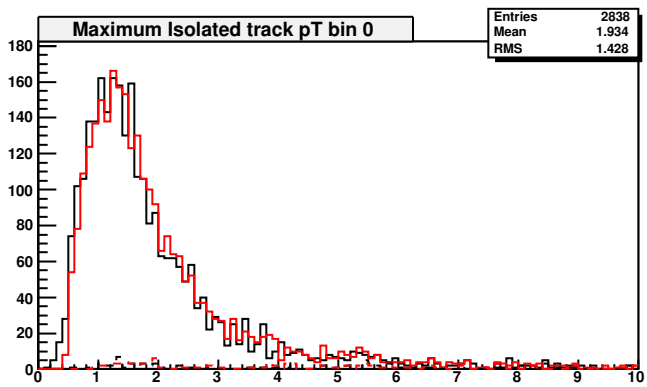


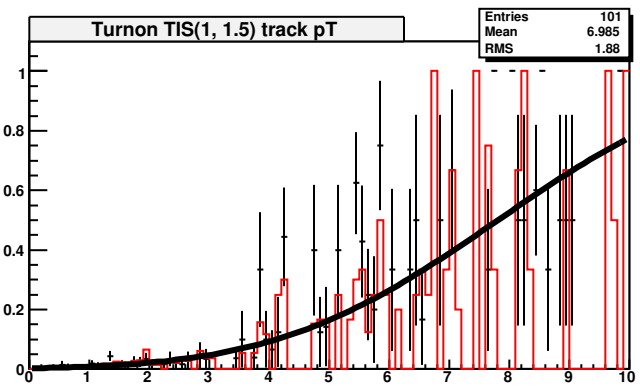


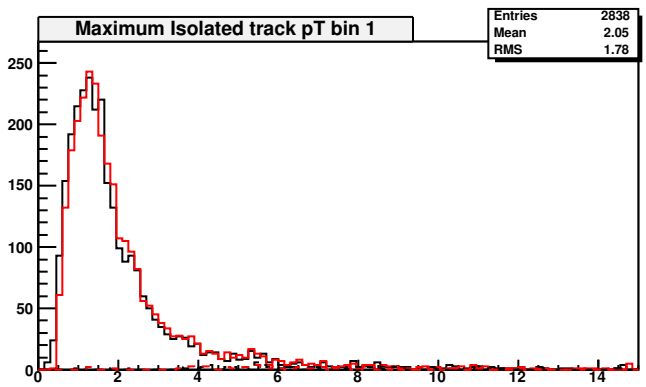


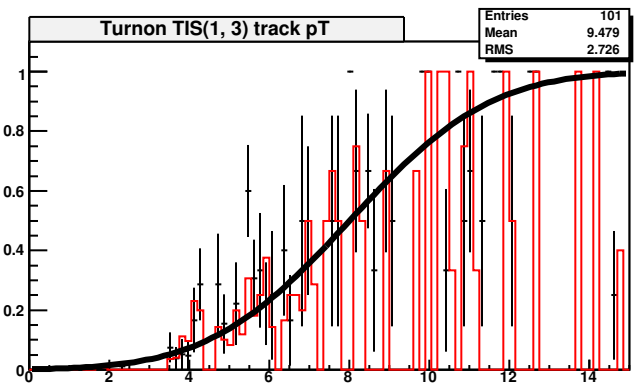


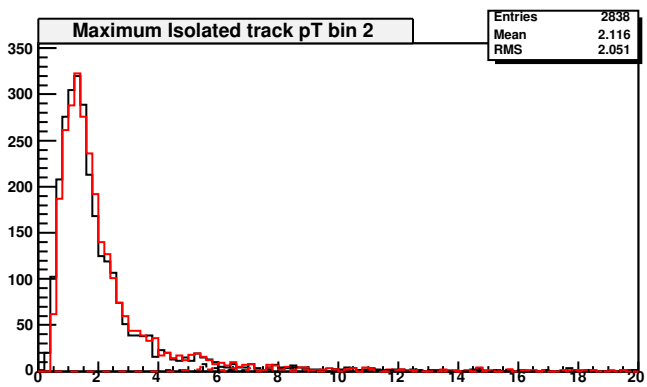
TTK Turnon curves (L1CTT All)

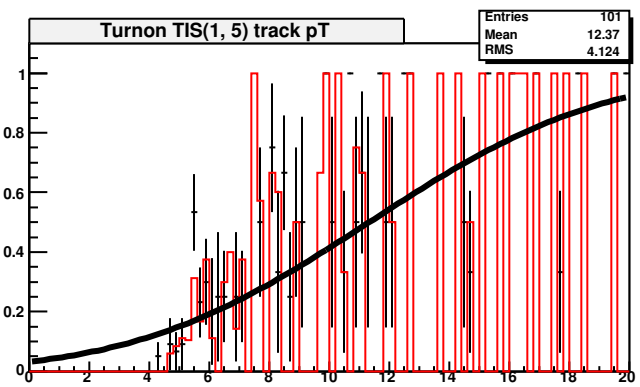


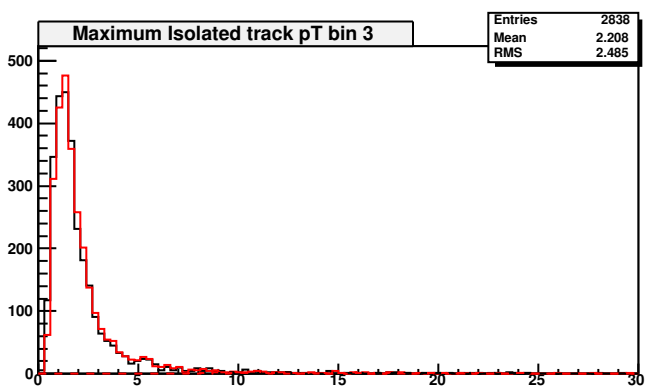


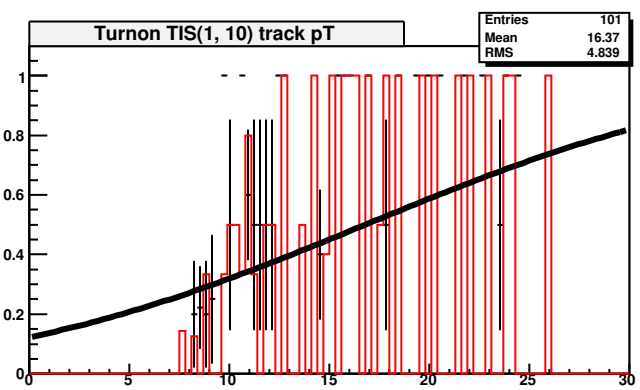




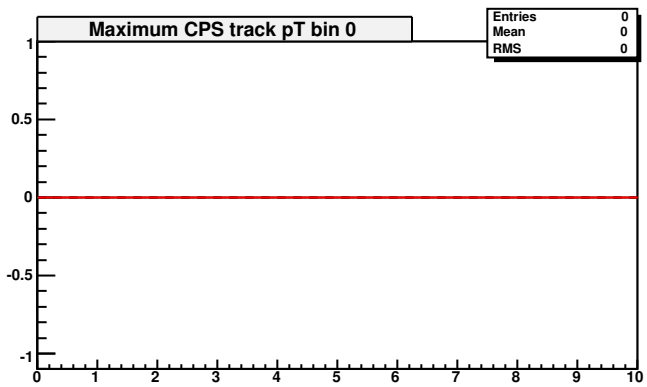


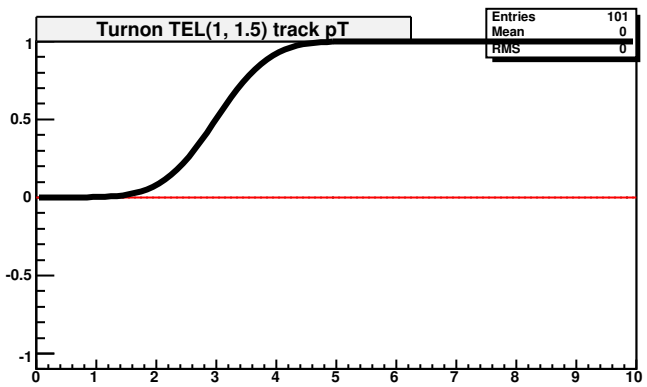


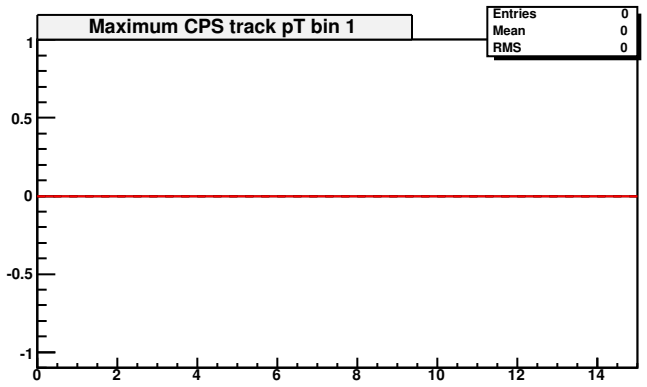


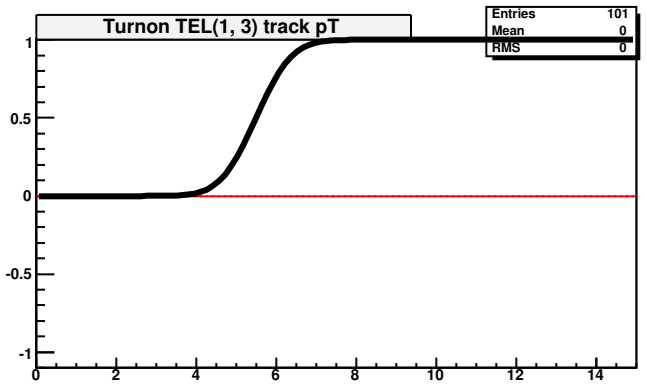


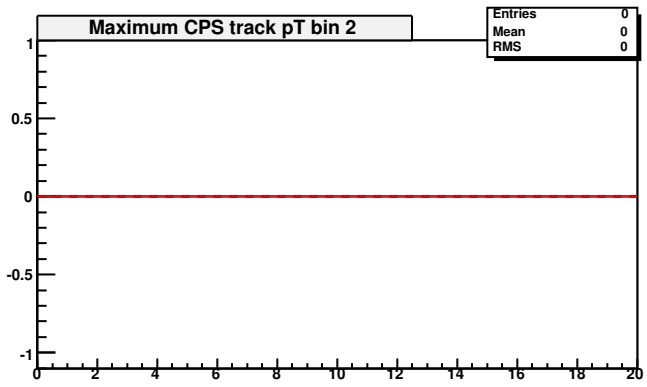
TIS Turnon curves (L1CTT All)

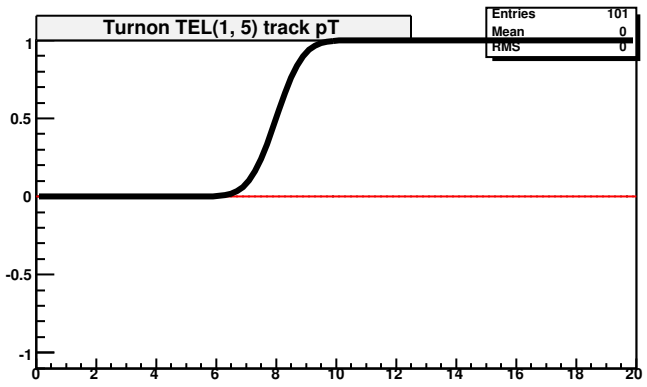


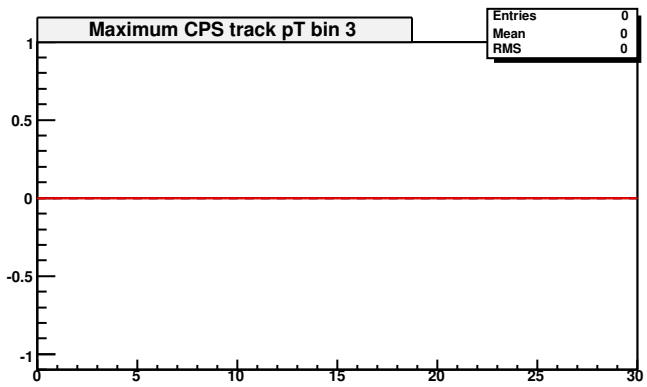


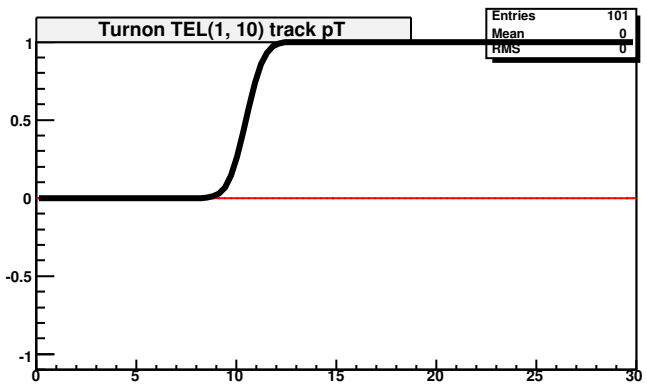




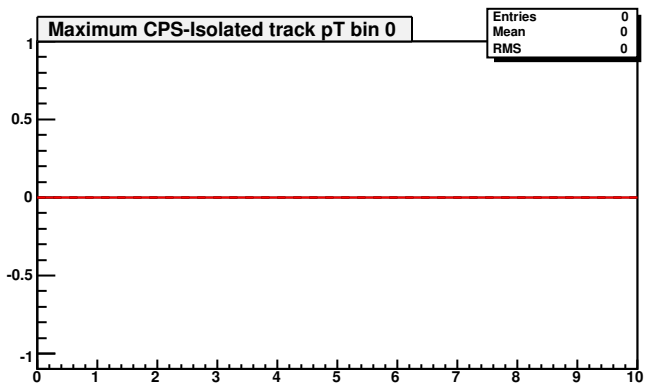


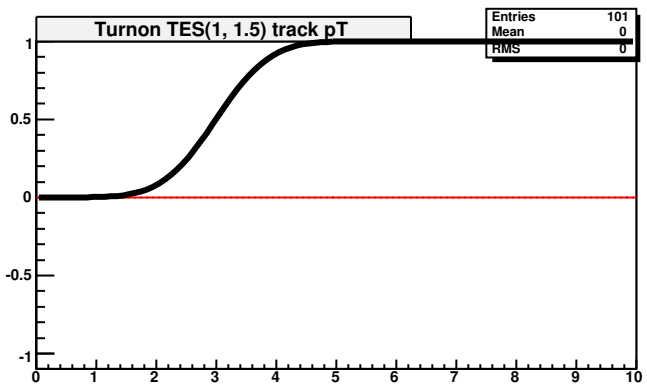


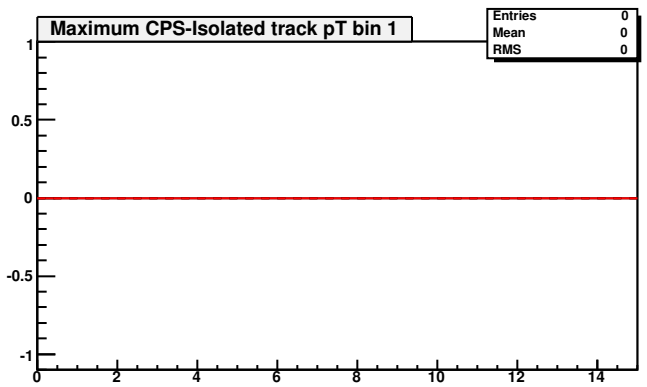


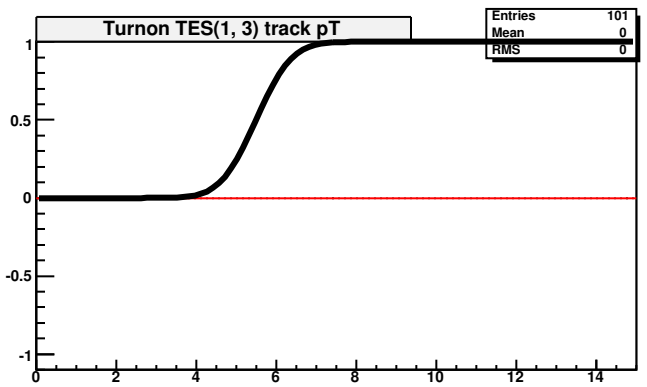


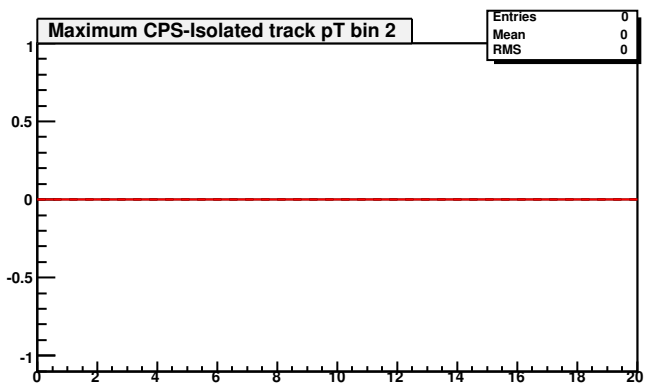
TEL Turnon curves (L1CTT All)

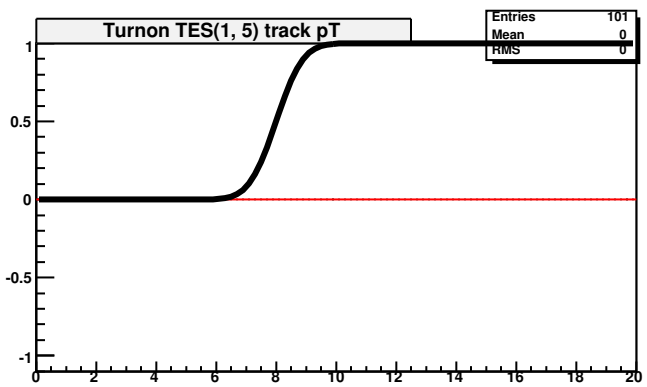


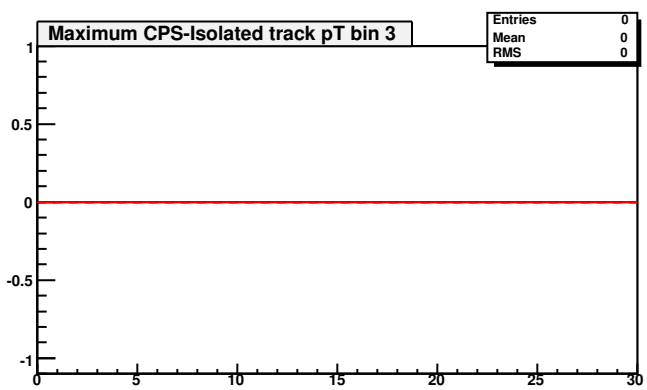


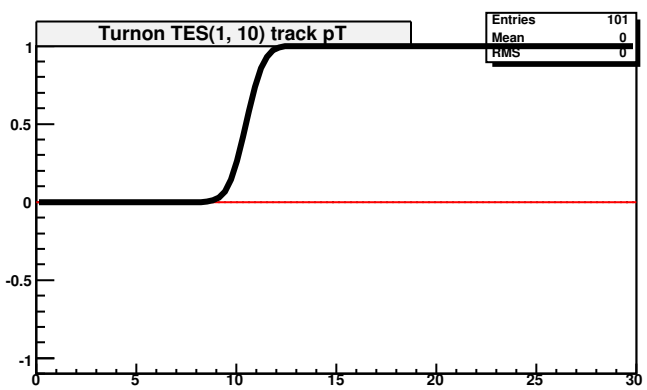




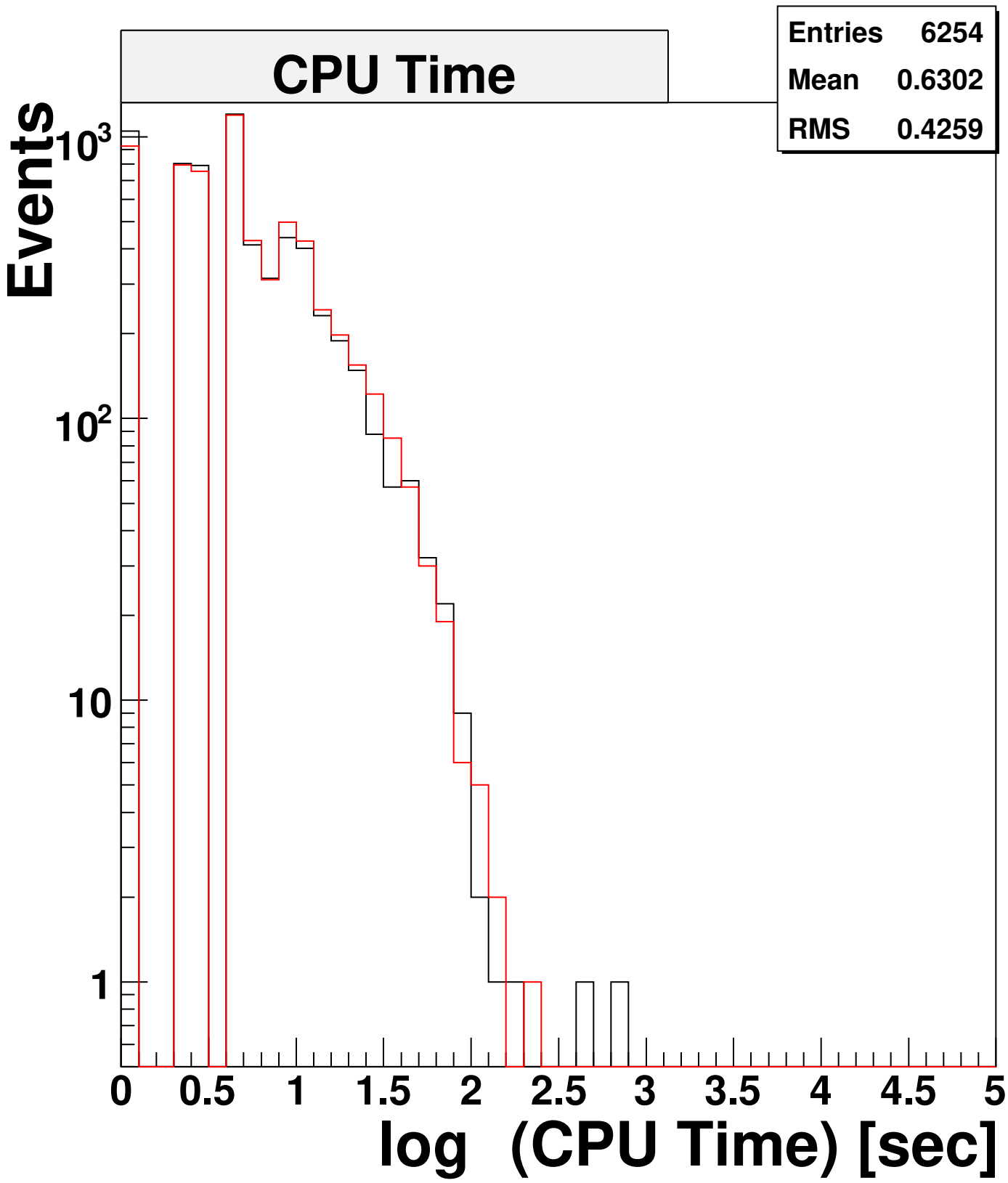








TES Turnon curves (L1CTT All)



RECO Performance (Timing)