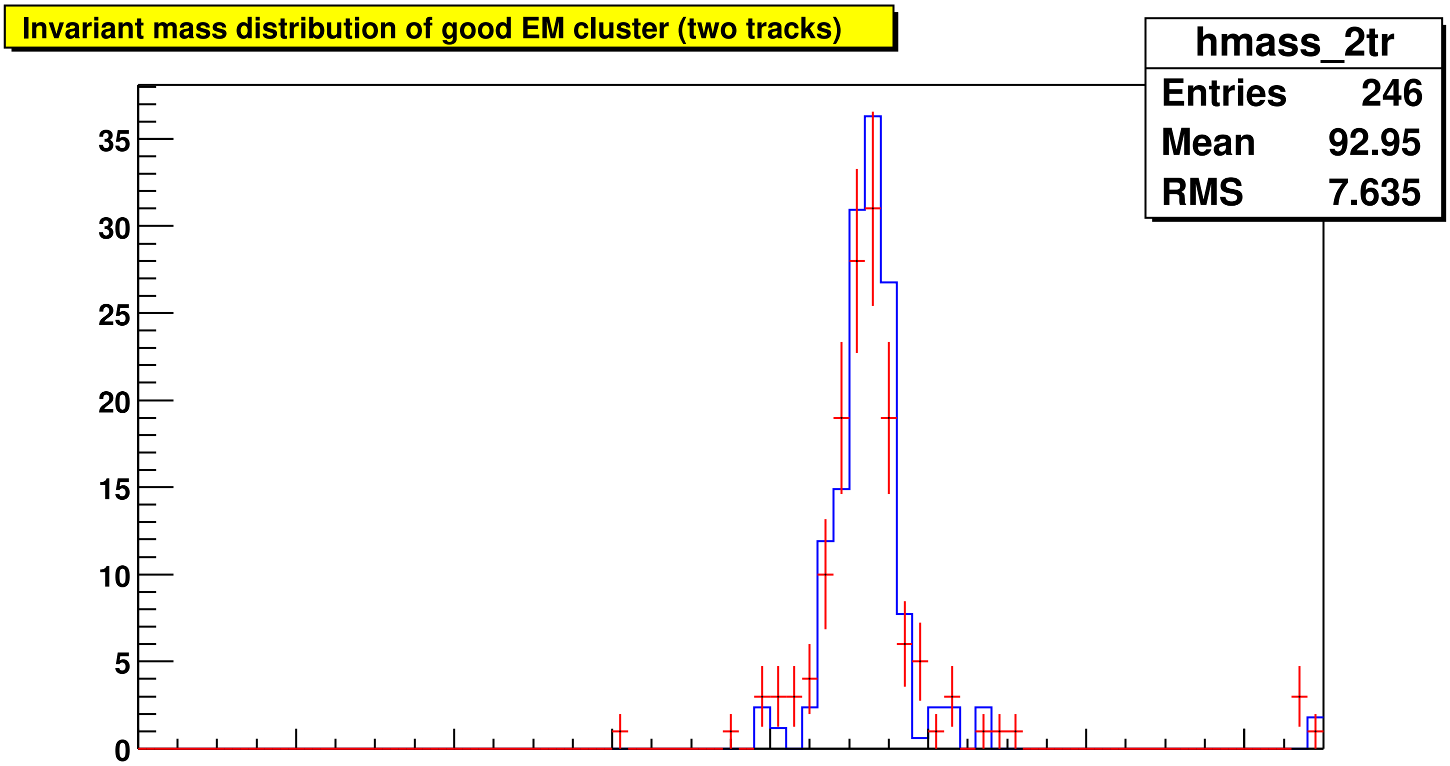
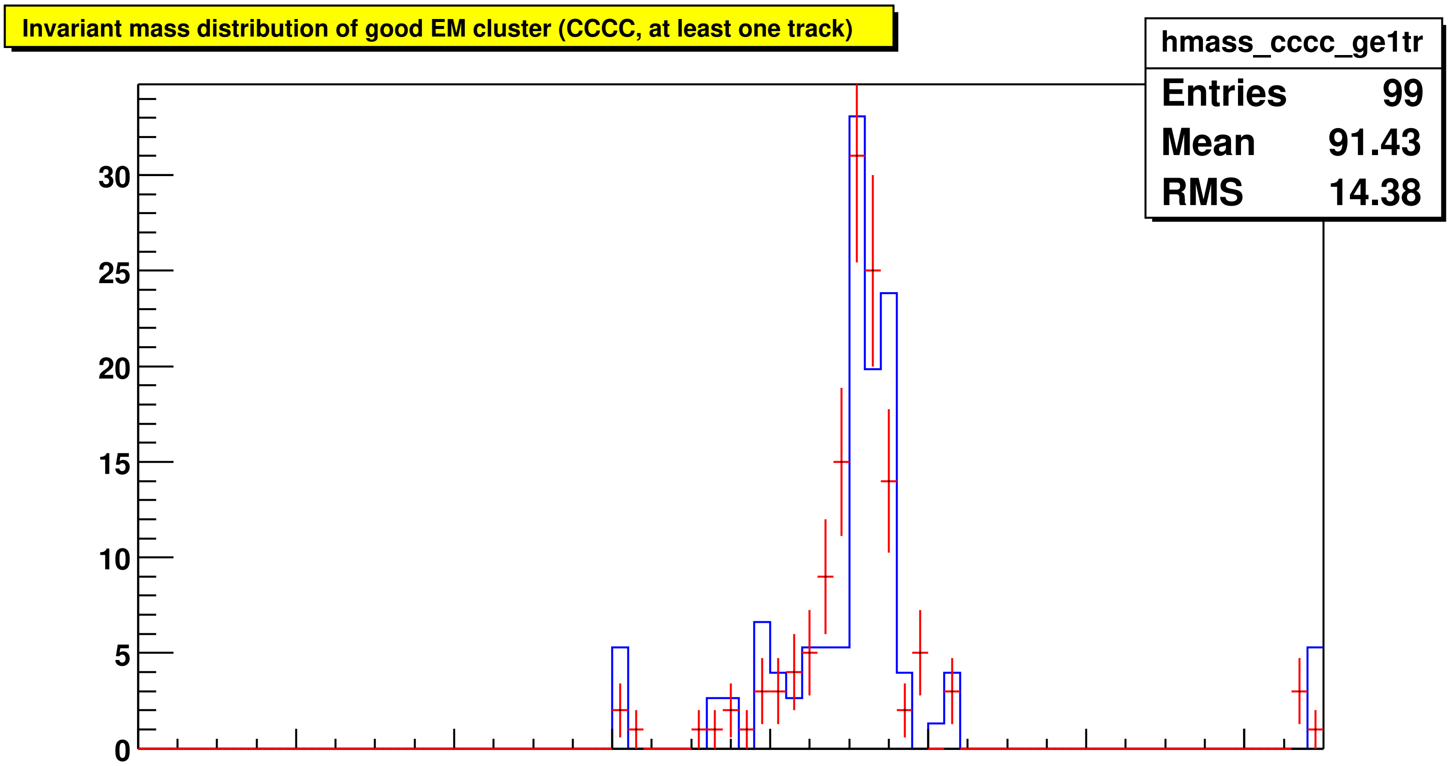
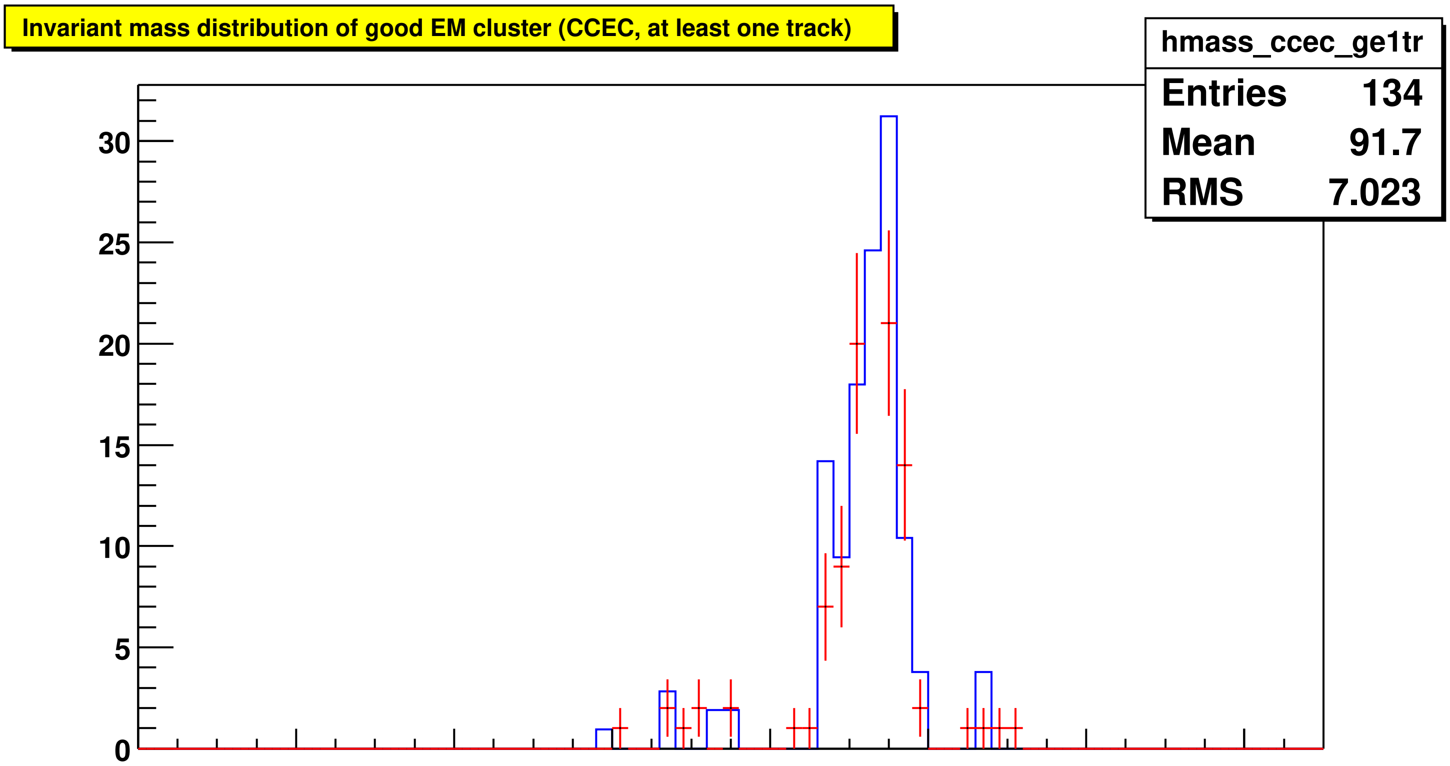
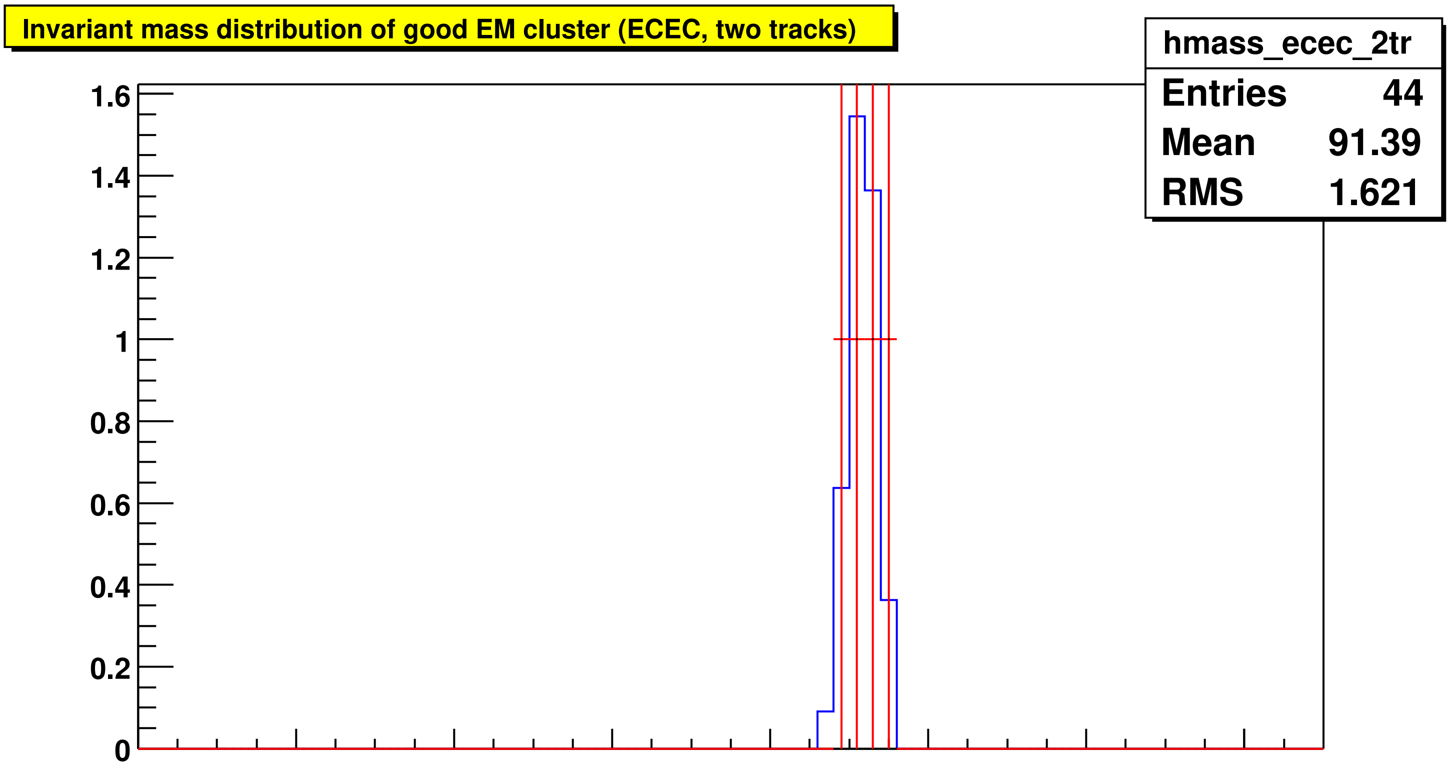
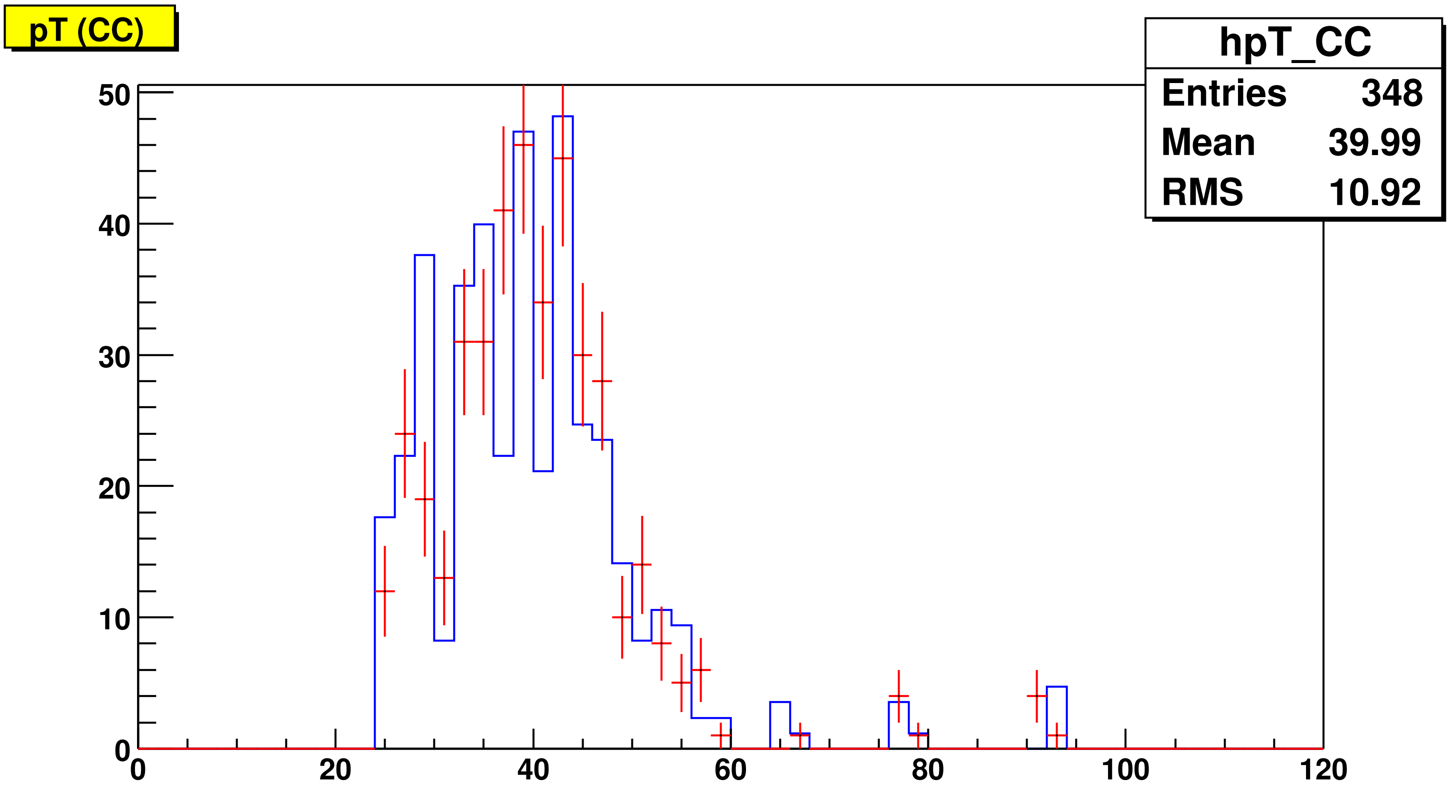
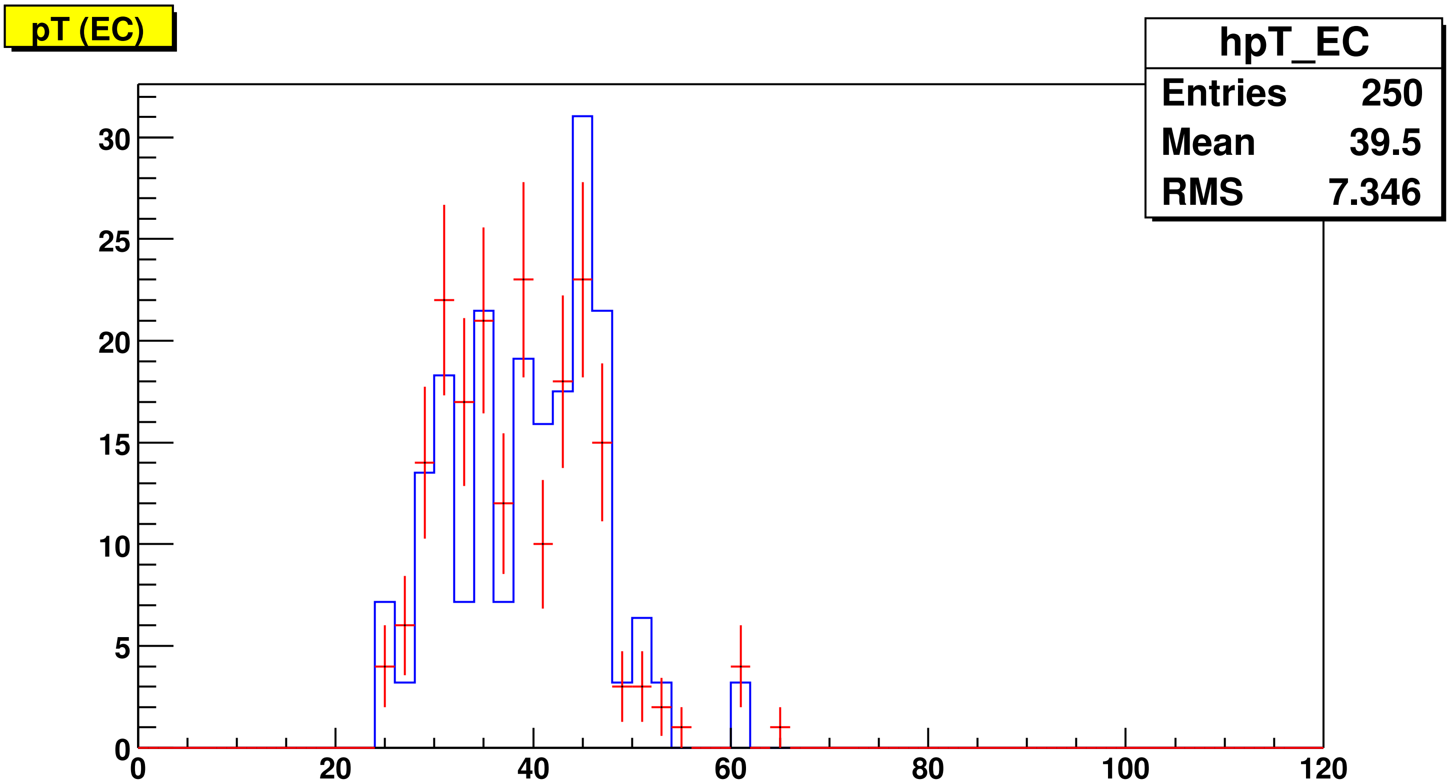

Invariant mass distribution of good EM cluster (two tracks)
hmass_2tr
Entries 246
Mean 92.95
RMS 7.635
0
5
10
15
20
25
30
35

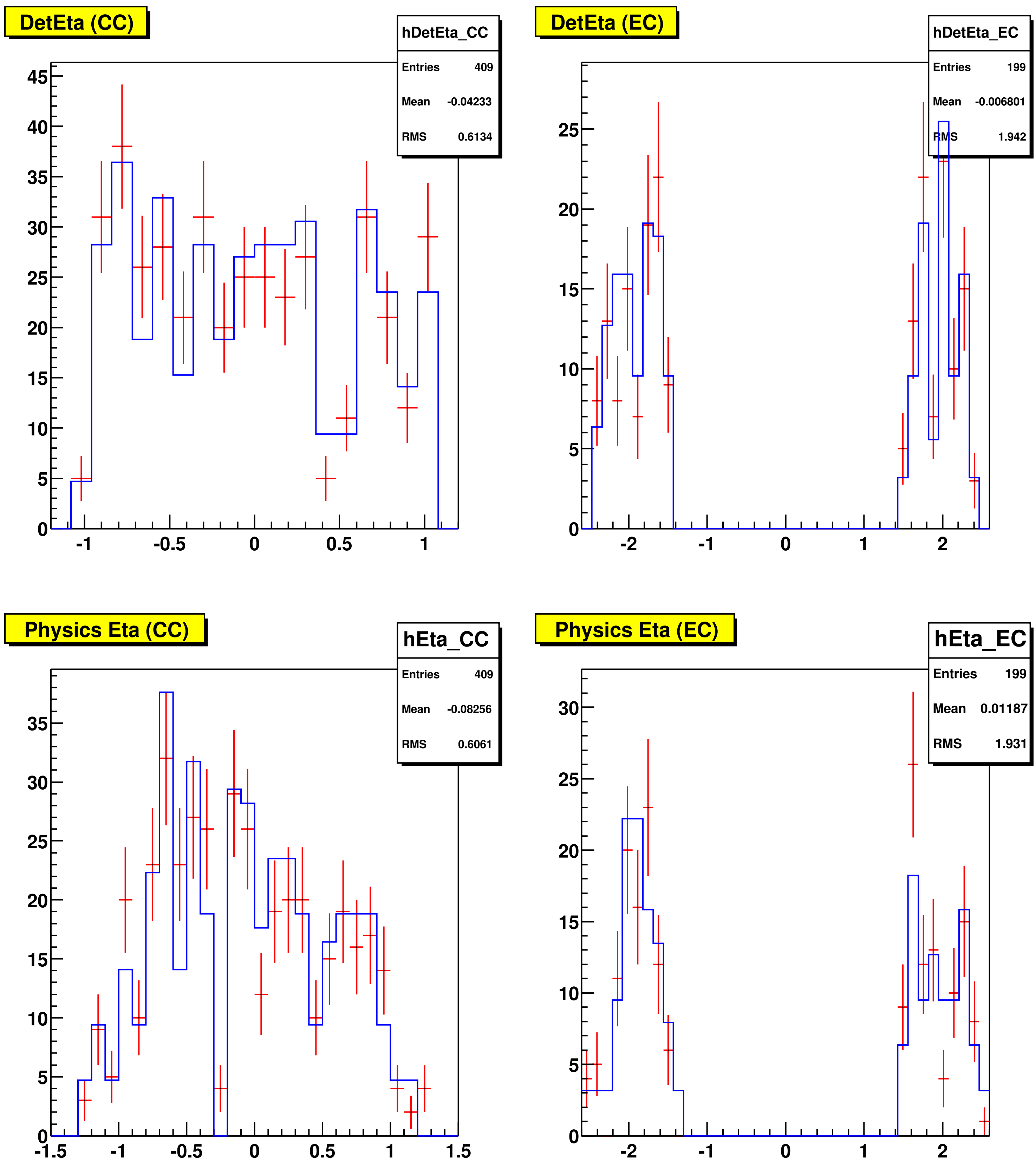

Invariant mass distribution of good EM cluster (CCCC, at least one track)
hmass_cccc_ge1tr
Entries 99
Mean 91.43
RMS 14.38
0
5
10
15
20
25
30

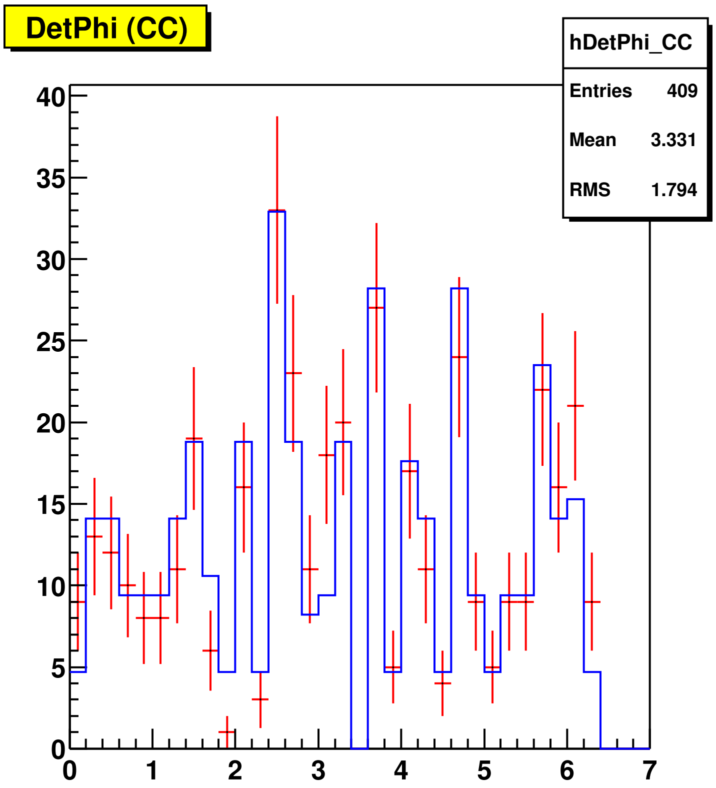

Invariant mass distribution of good EM cluster (CCEC, at least one track)
hmass_ccec_ge1tr
Entries 134
Mean 91.7
RMS 7.023
0
5
10
15
20
25
30


Invariant mass distribution of good EM cluster (ECEC, two tracks)
hmass_ecec_2tr
Entries 44
Mean 91.39
RMS 1.621
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6

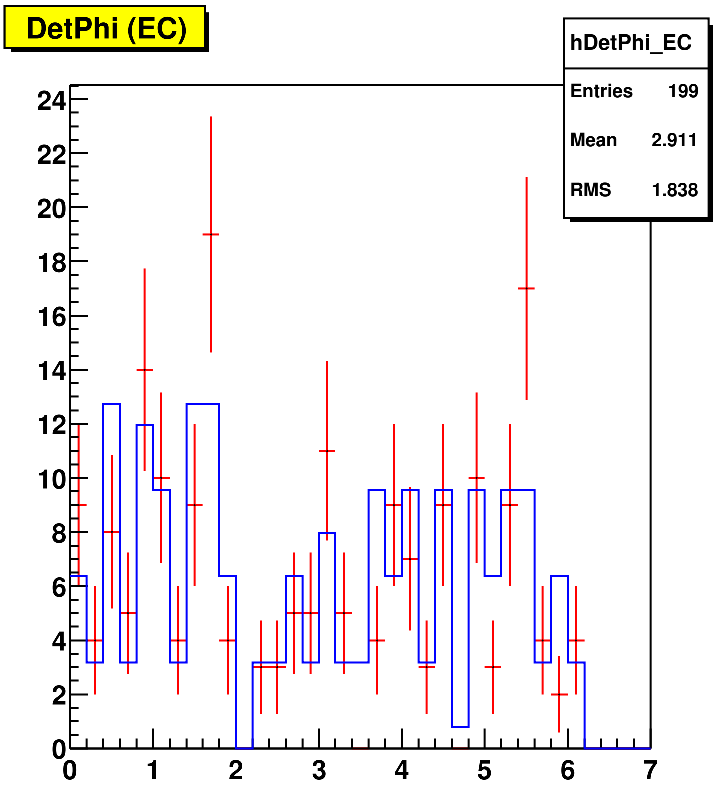

pT (CC)
hpT_CC
Entries 348
Mean 39.99
RMS 10.92
0
10
20
30
40
50
0
20
40
60
80
100
120


pT (EC)
hpT_EC
Entries 250
Mean 39.5
RMS 7.346
0
5
10
15
20
25
30
0
20
40
60
80
100
120

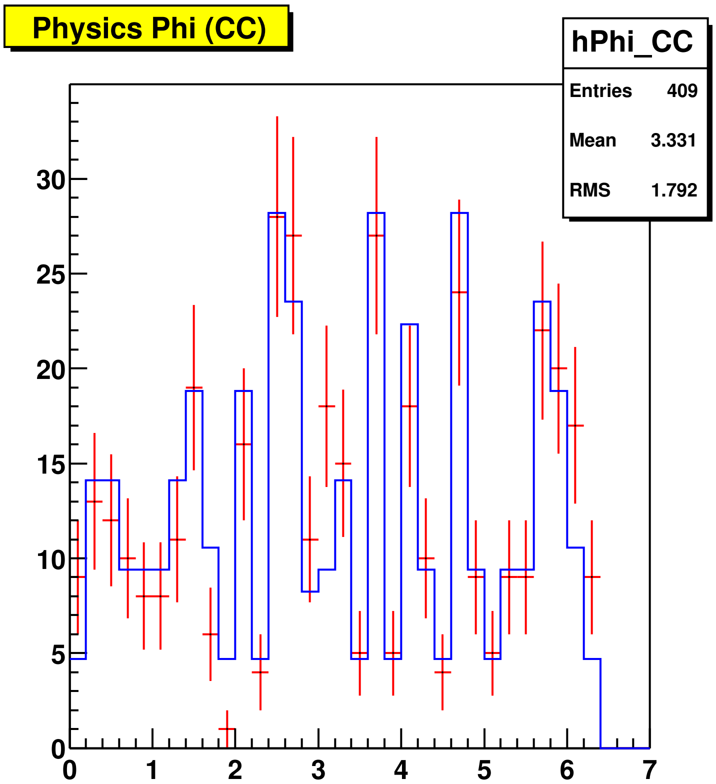

DetEta (CC)
hDetEta_CC
Entries 409
Mean -0.04233
RMS 0.6134
DetEta (EC)
hDetEta_EC
Entries 199
Mean -0.006801
RMS 1.942
Physics Eta (CC)
hEta_CC
Entries 409
Mean -0.08256
RMS 0.6061
Physics Eta (EC)
hEta_EC
Entries 199
Mean 0.01187
RMS 1.931



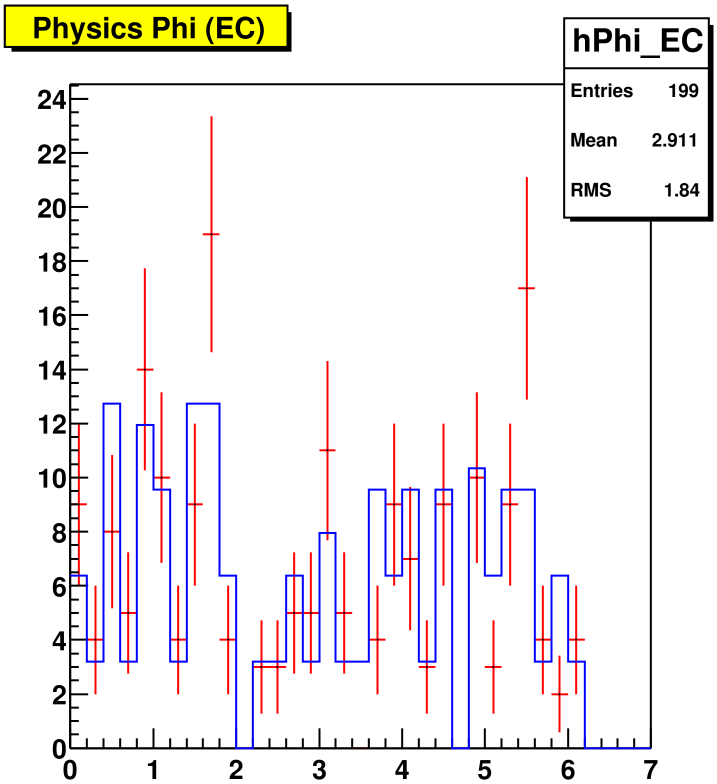
DetPhi (CC)
hDetPhi_CC
Entries 409
Mean 3.331
RMS 1.794



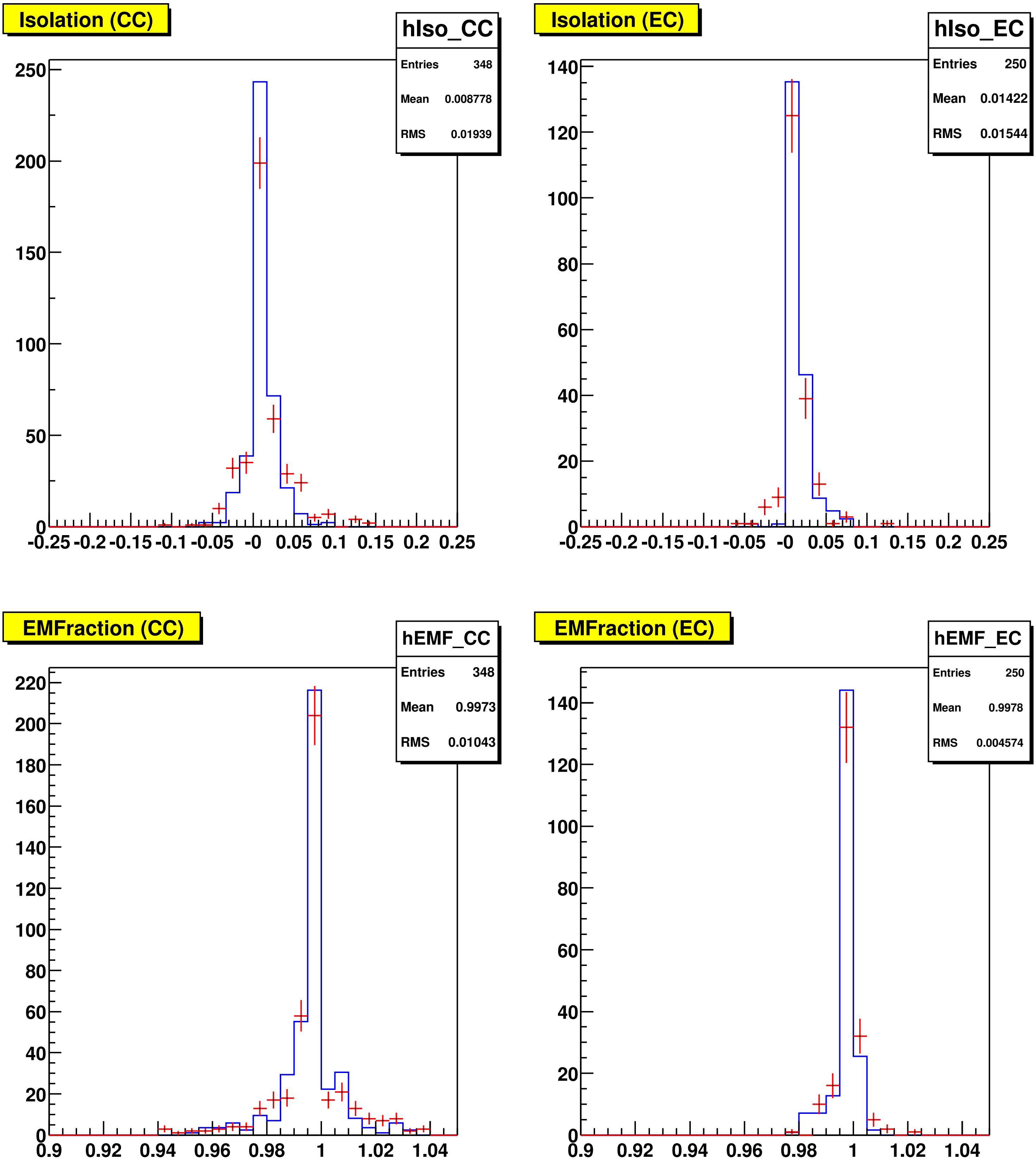
DetPhi (EC)
hDetPhi_EC
Entries 199
Mean 2.911
RMS 1.838

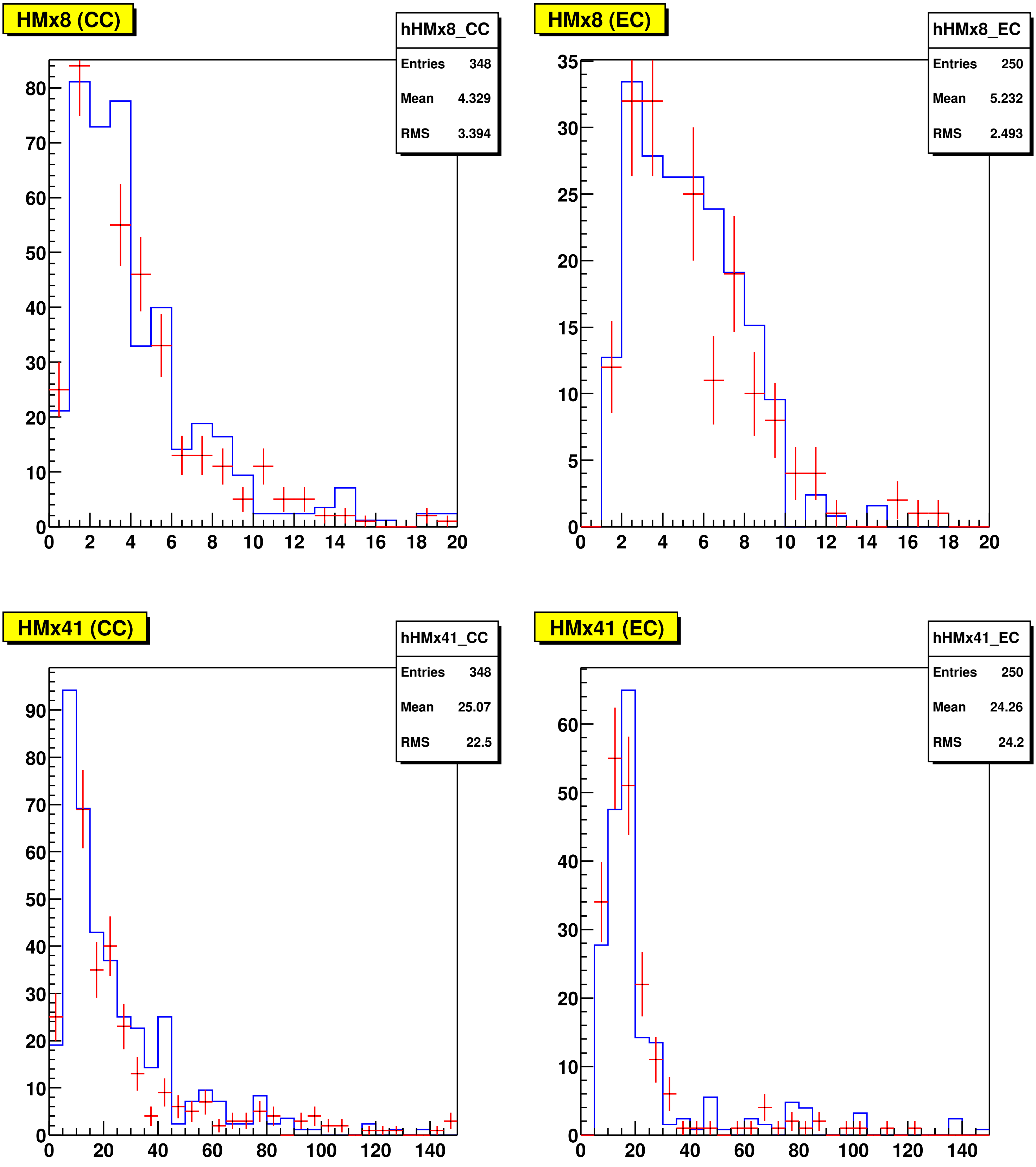


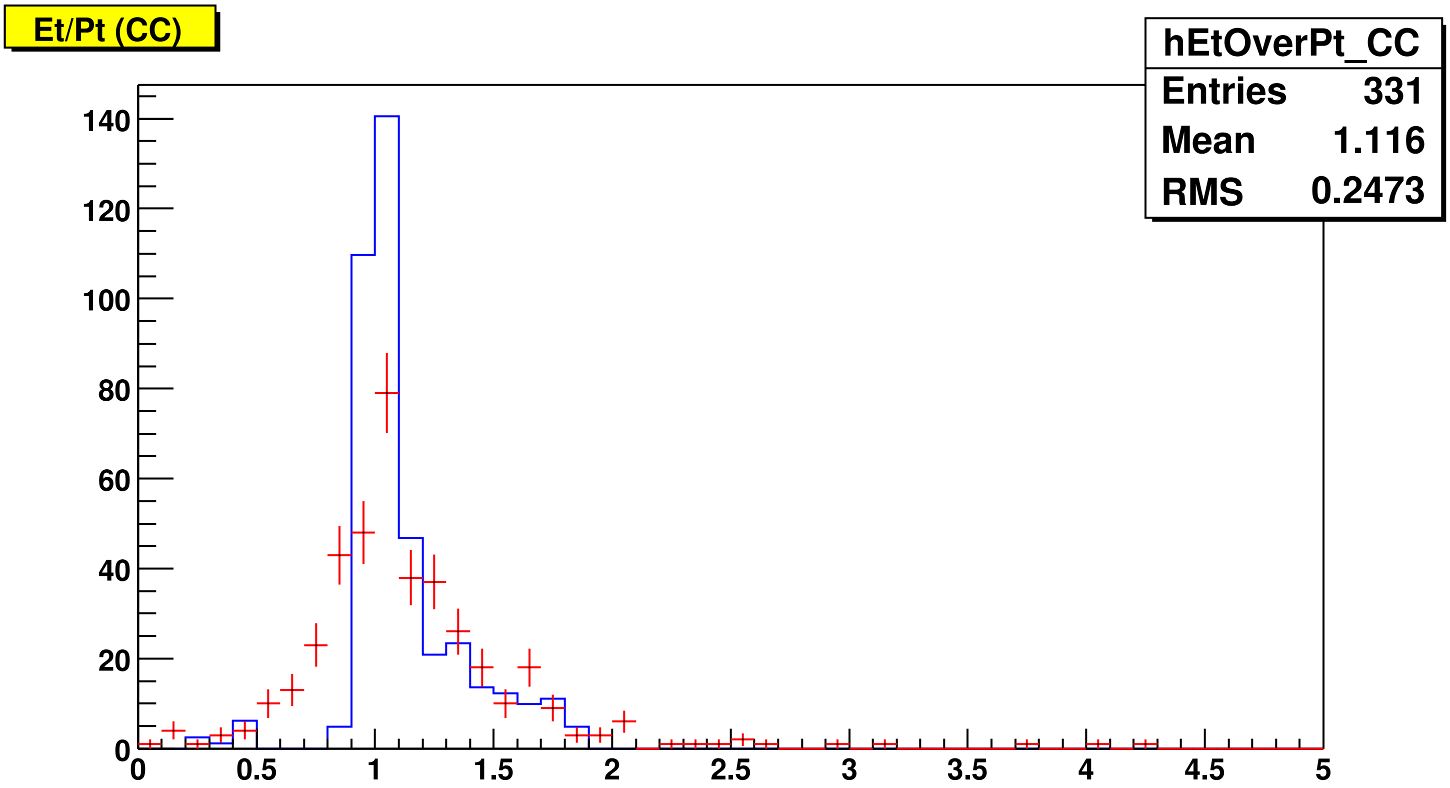
Physics Phi (CC)
hPhi_CC
Entries 409
Mean 3.331
RMS 1.792

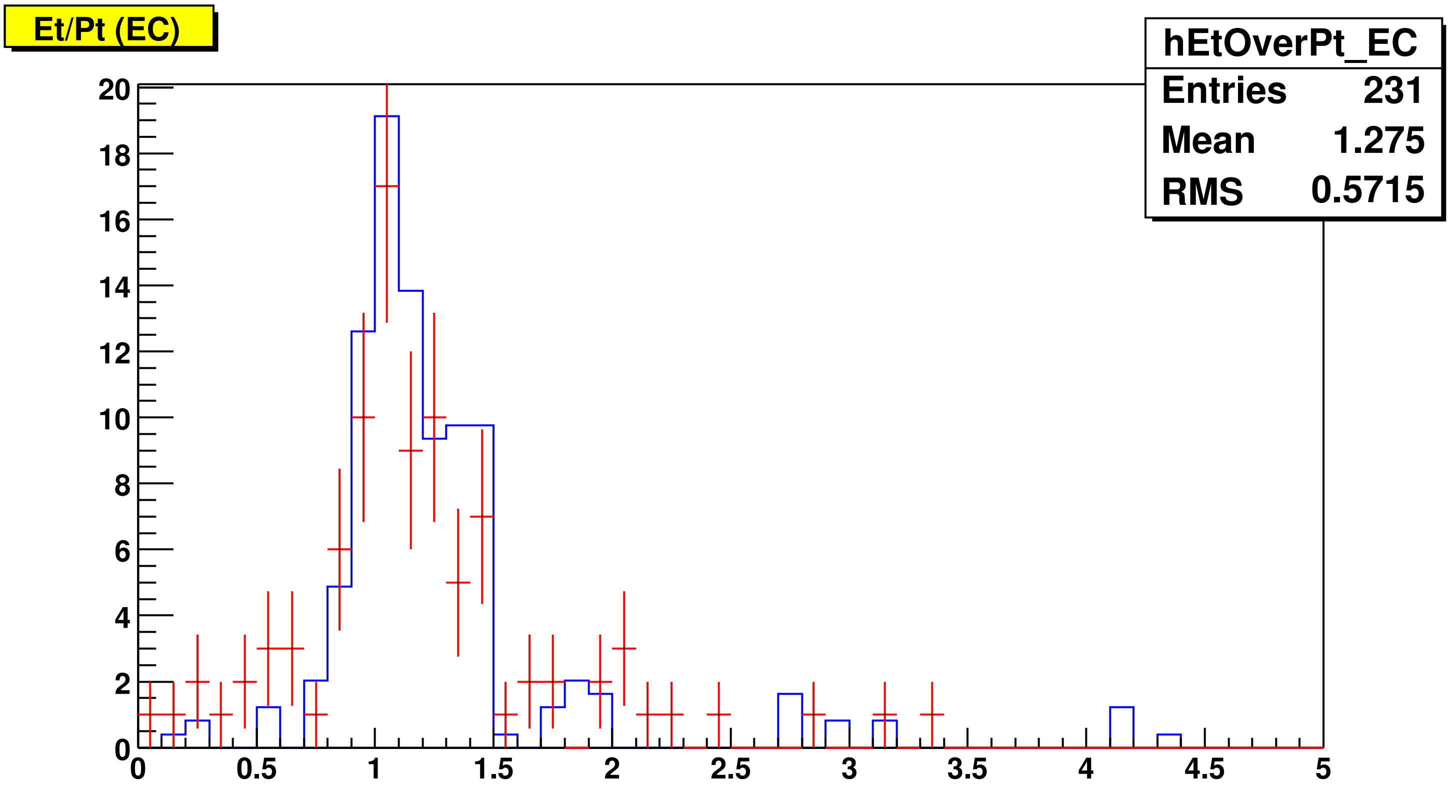


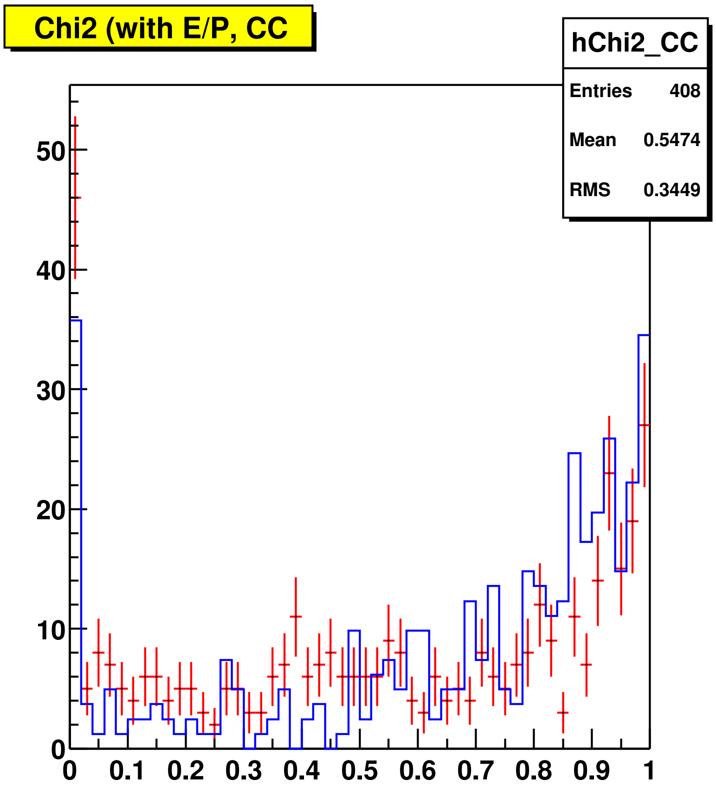
Physics Phi (EC)
hPhi_EC
Entries 199
Mean 2.911
RMS 1.84

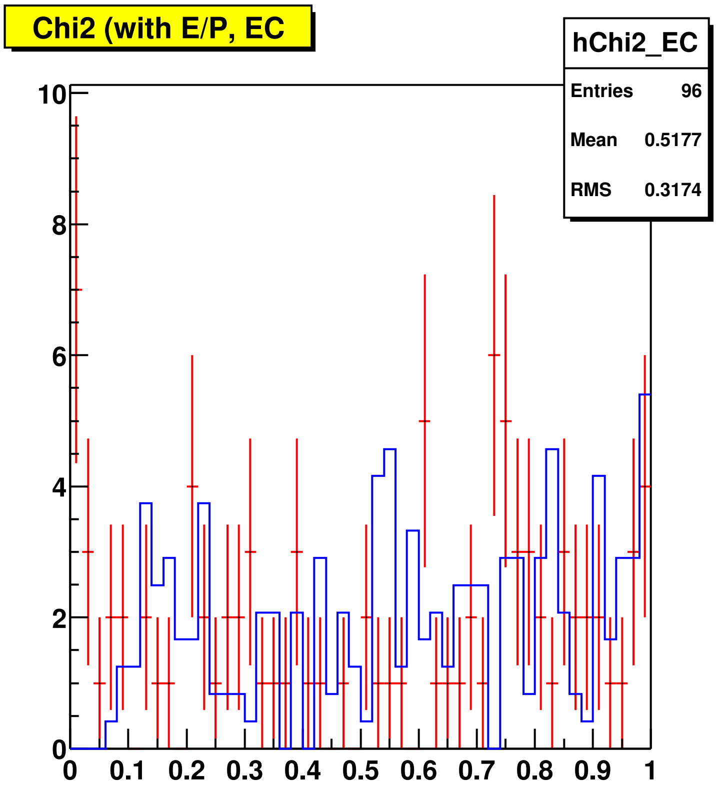

Isolation (CC)
hIso_CC
Entries 348
Mean 0.008778
RMS 0.01939
Isolation (EC)
hIso_EC
Entries 250
Mean 0.01422
RMS 0.01544
EMFraction (CC)
hEMF_CC
Entries 348
Mean 0.9973
RMS 0.01043
EMFraction (EC)
hEMF_EC
Entries 250
Mean 0.9978
RMS 0.004574

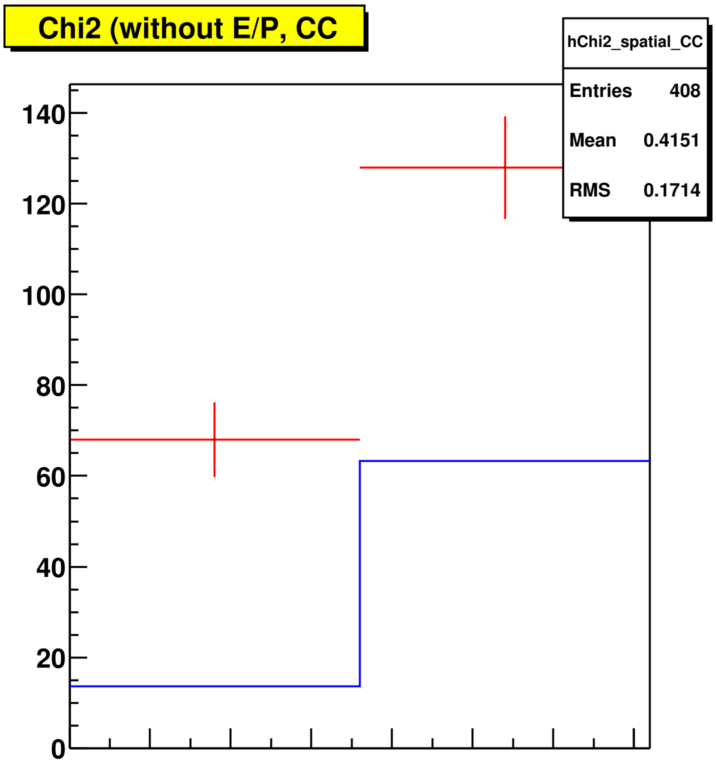

HMx8 (CC)
hHMx8_CC
Entries 348
Mean 4.329
RMS 3.394
HMx8 (EC)
hHMx8_EC
Entries 250
Mean 5.232
RMS 2.493
HMx41 (CC)
hHMx41_CC
Entries 348
Mean 25.07
RMS 22.5
HMx41 (EC)
hHMx41_EC
Entries 250
Mean 24.26
RMS 24.2

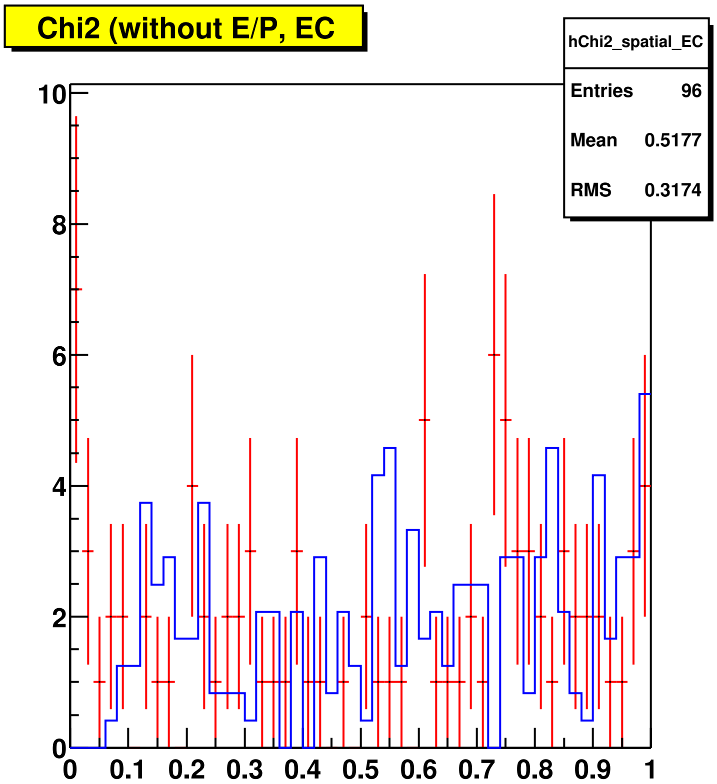

Et/Pt (CC)
hEtOverPt_CC
Entries 331
Mean 1.116
RMS 0.2473
0
20
40
60
80
100
120
140
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

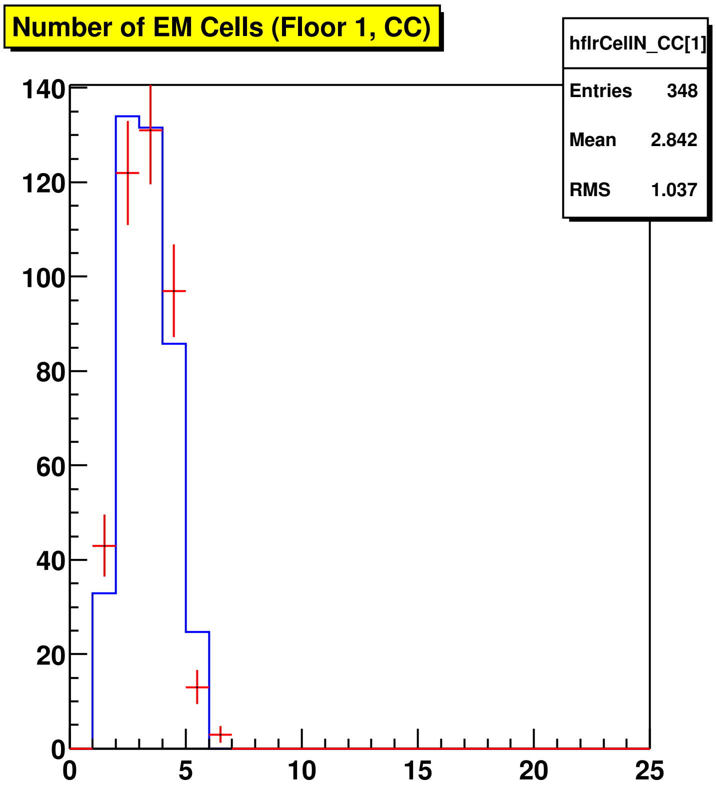

Et/Pt (EC)
hEtOverPt_EC
Entries 231
Mean 1.275
RMS 0.5715
0
2
4
6
8
10
12
14
16
18
20
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

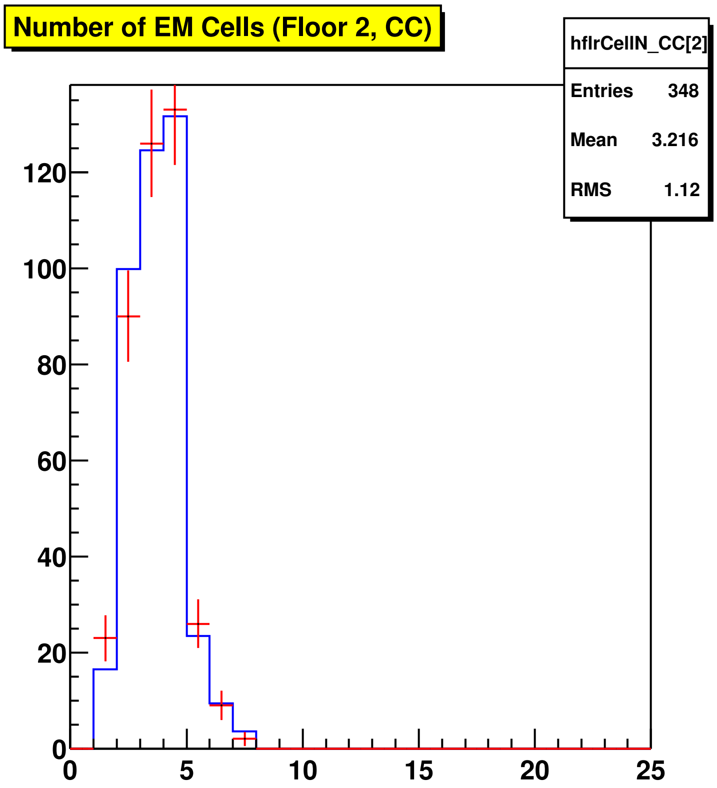

Chi2 (with E/P, CC
hChi2_CC
Entries 408
Mean 0.5474
RMS 0.3449

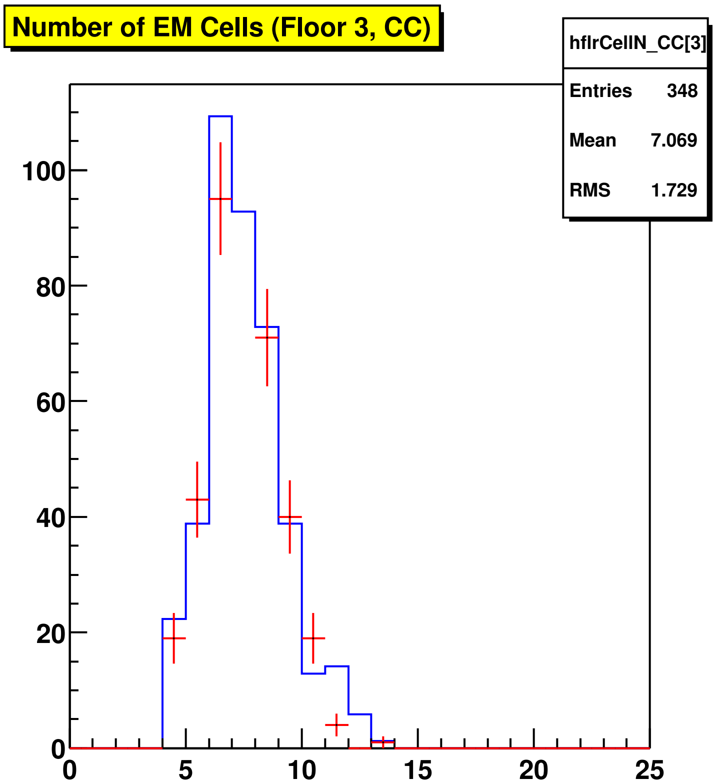

Chi2 (with E/P, EC
hChi2_EC
Entries 96
Mean 0.5177
RMS 0.3174

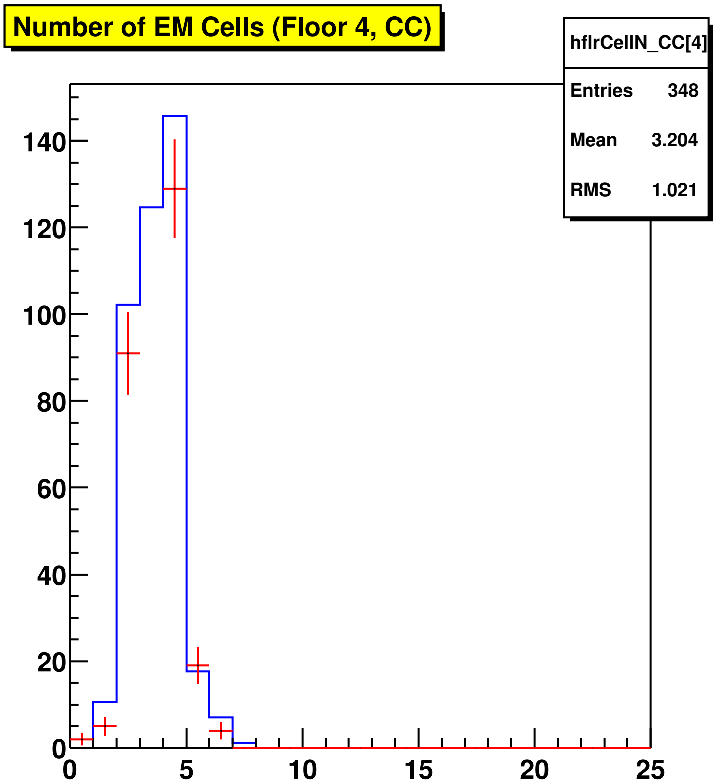

Chi2 (without E/P, CC
hChi2_spatial_CC
Entries 408
Mean 0.4151
RMS 0.1714

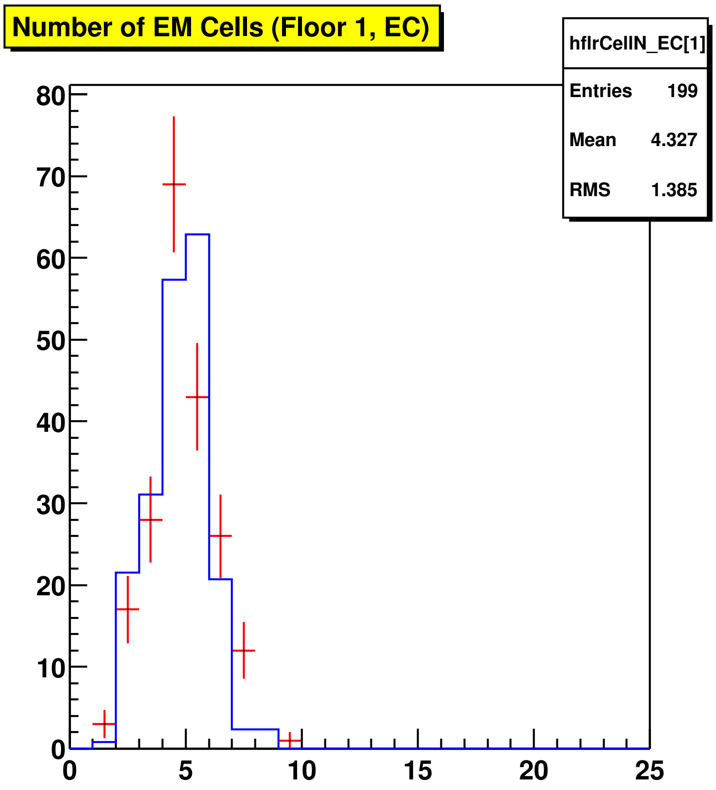

Chi2 (without E/P, EC
hChi2_spatial_EC
Entries 96
Mean 0.5177
RMS 0.3174

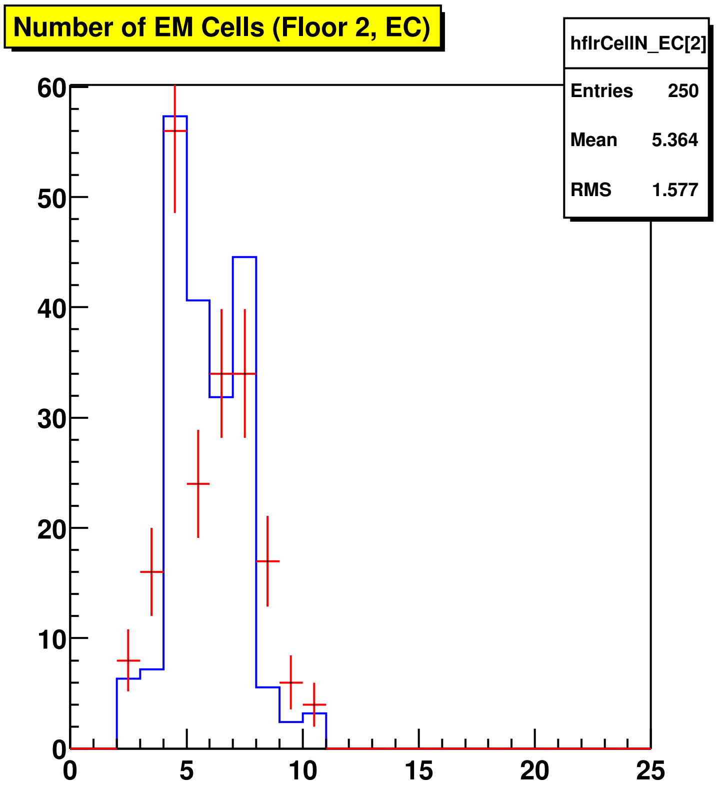

Number of EM Cells (Floor 1, CC)
hflrCellN_CC[1]
Entries 348
Mean 2.842
RMS 1.037
0
20
40
60
80
100
120
140
0
5
10
15
20
25

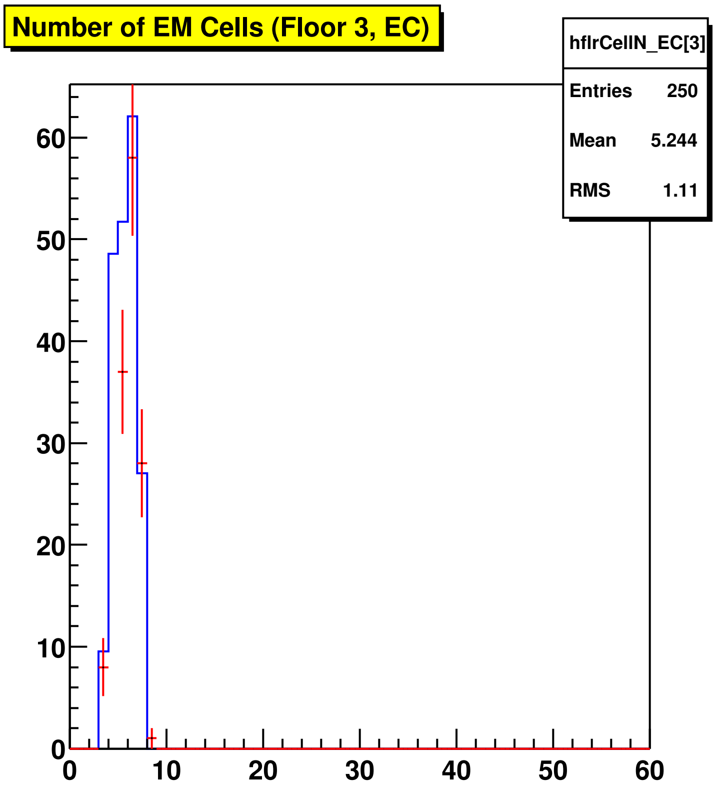

Number of EM Cells (Floor 2, CC)
hflrCellN_CC[2]
Entries 348
Mean 3.216
RMS 1.12
0
20
40
60
80
100
120
0
5
10
15
20
25

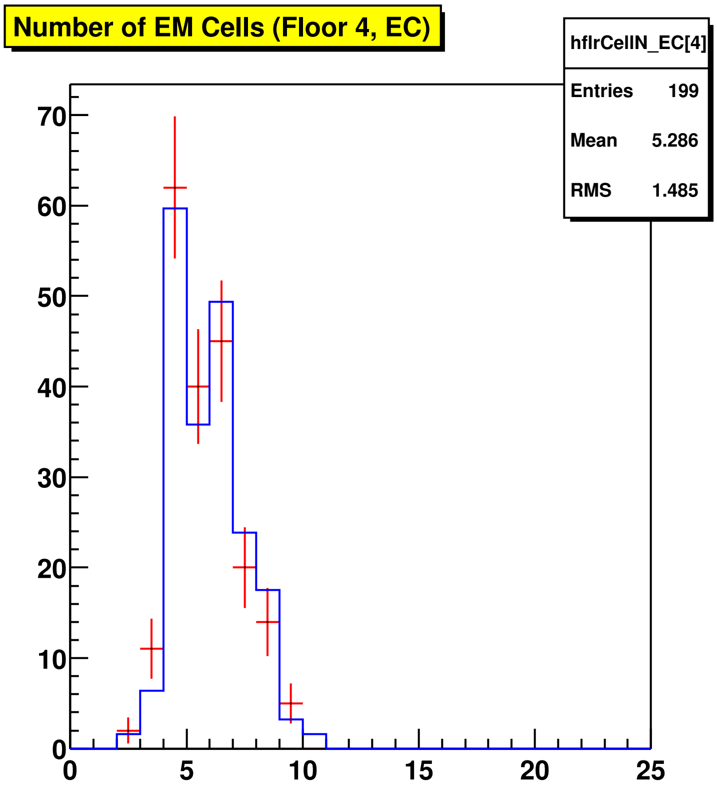

Number of EM Cells (Floor 3, CC)
hflrCellN_CC[3]
Entries 348
Mean 7.069
RMS 1.729
0
20
40
60
80
100
0
5
10
15
20
25

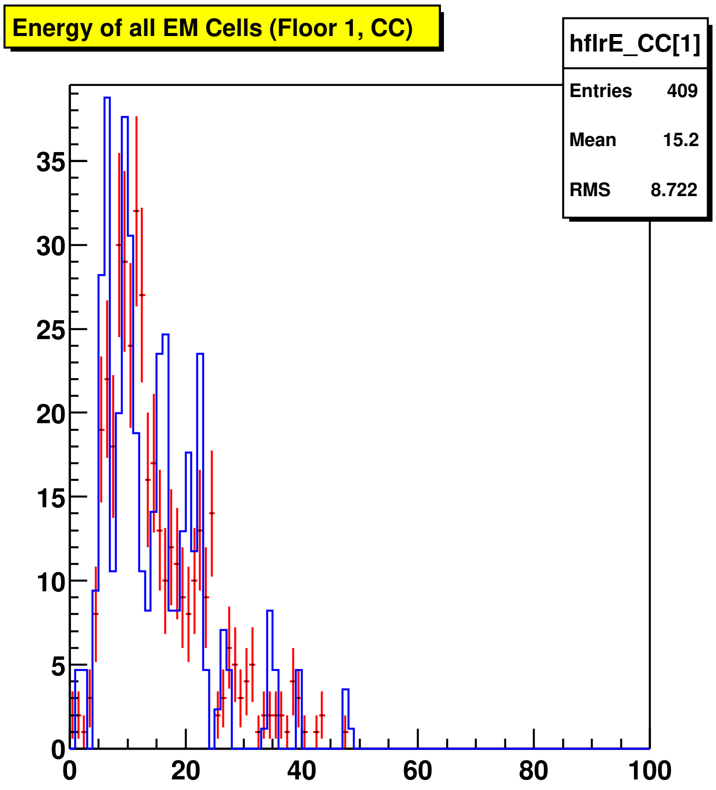

Number of EM Cells (Floor 4, CC)
hflrCellN_CC[4]
Entries 348
Mean 3.204
RMS 1.021
0
20
40
60
80
100
120
140
0
5
10
15
20
25

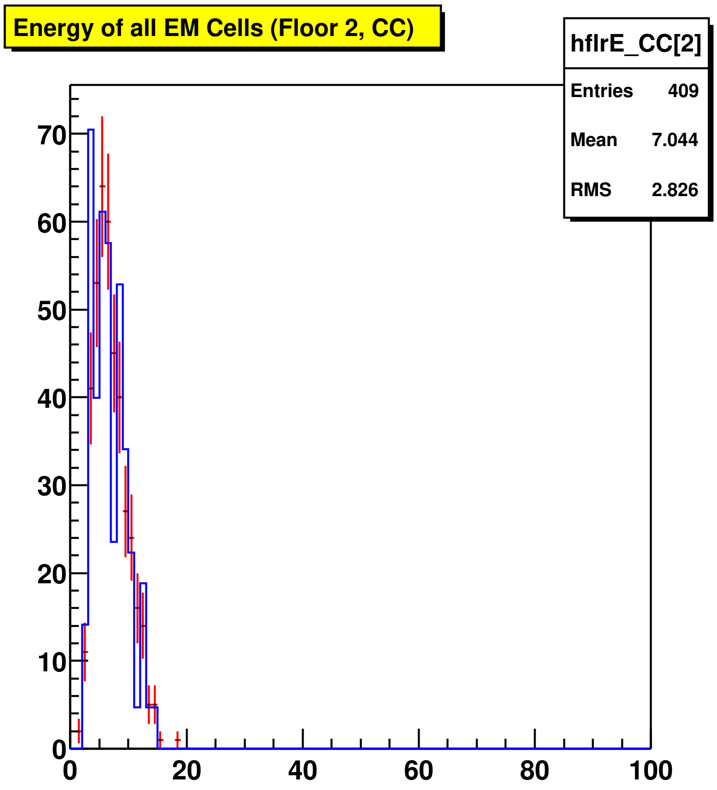

Number of EM Cells (Floor 1, EC)
hflrCellN_EC[1]
Entries 199
Mean 4.327
RMS 1.385
0
10
20
30
40
50
60
70
80
0
5
10
15
20
25

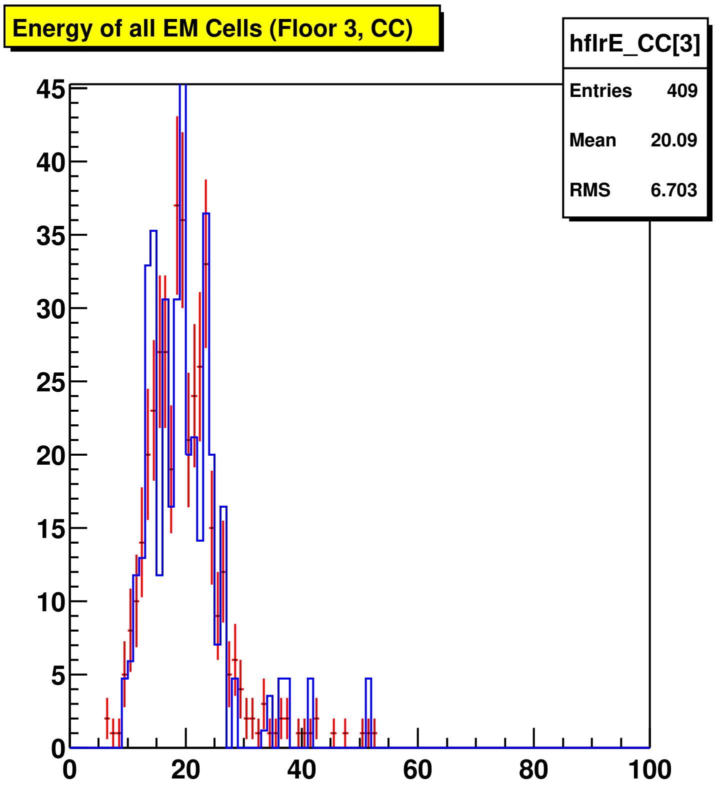

Number of EM Cells (Floor 2, EC)
hflrCellN_EC[2]
Entries 250
Mean 5.364
RMS 1.577
0
10
20
30
40
50
60
0
5
10
15
20
25

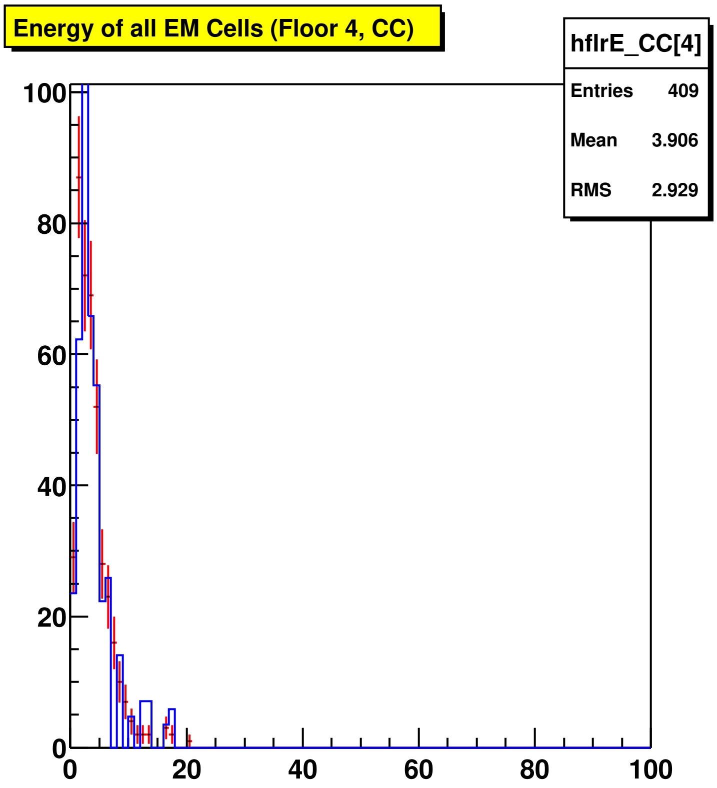

Number of EM Cells (Floor 3, EC)
hflrCellN_EC[3]
Entries 250
Mean 5.244
RMS 1.11
0
10
20
30
40
50
60
0
10
20
30
40
50
60

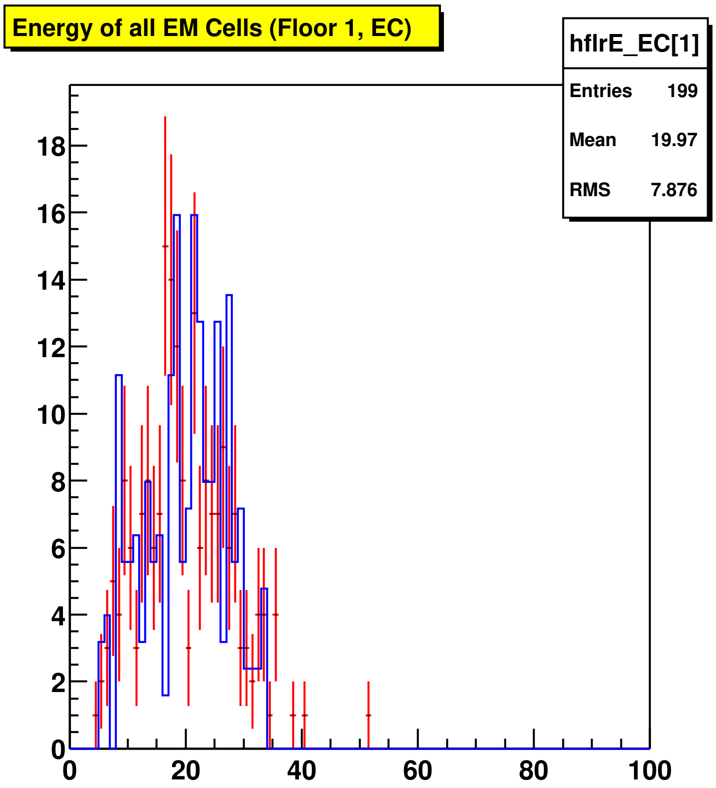

Number of EM Cells (Floor 4, EC)
hflrCellN_EC[4]
Entries 199
Mean 5.286
RMS 1.485
0
10
20
30
40
50
60
70
0
5
10
15
20
25

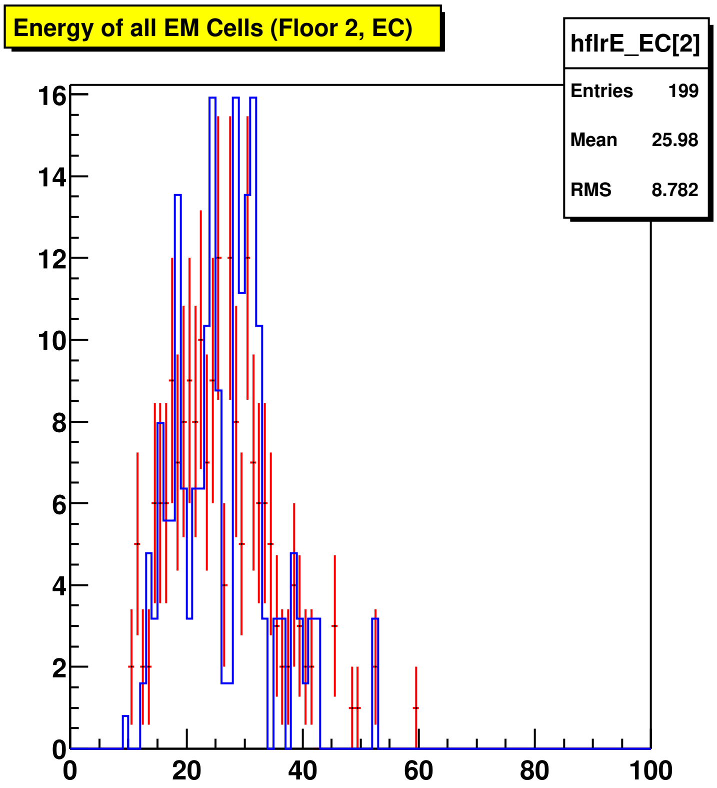

Energy of all EM Cells (Floor 1, CC)
hflrE_CC[1]
Entries 409
Mean 15.2
RMS 8.722
0
5
10
15
20
25
30
35
0
20
40
60
80
100

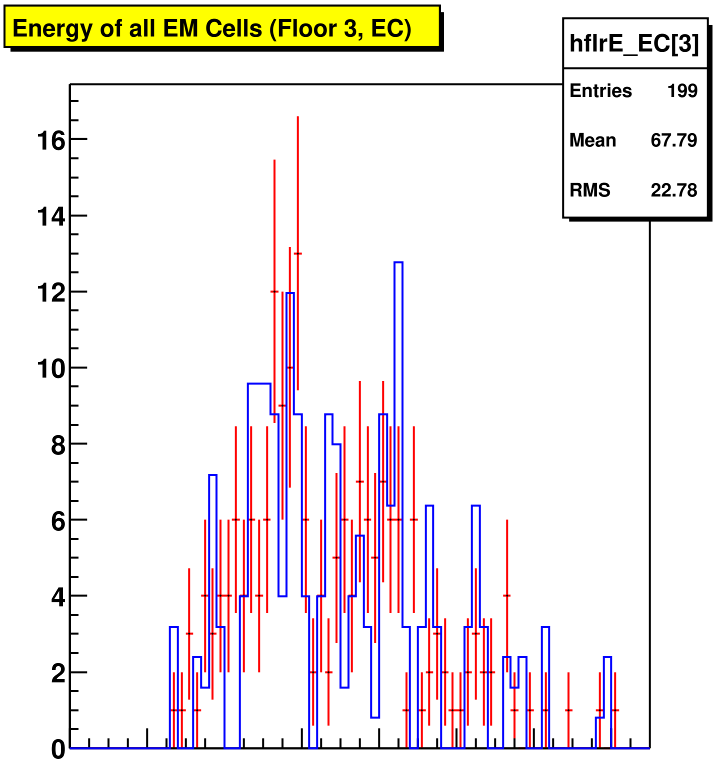

Energy of all EM Cells (Floor 2, CC)
hflrE_CC[2]
Entries 409
Mean 7.044
RMS 2.826
0
10
20
30
40
50
60
70
0
20
40
60
80
100

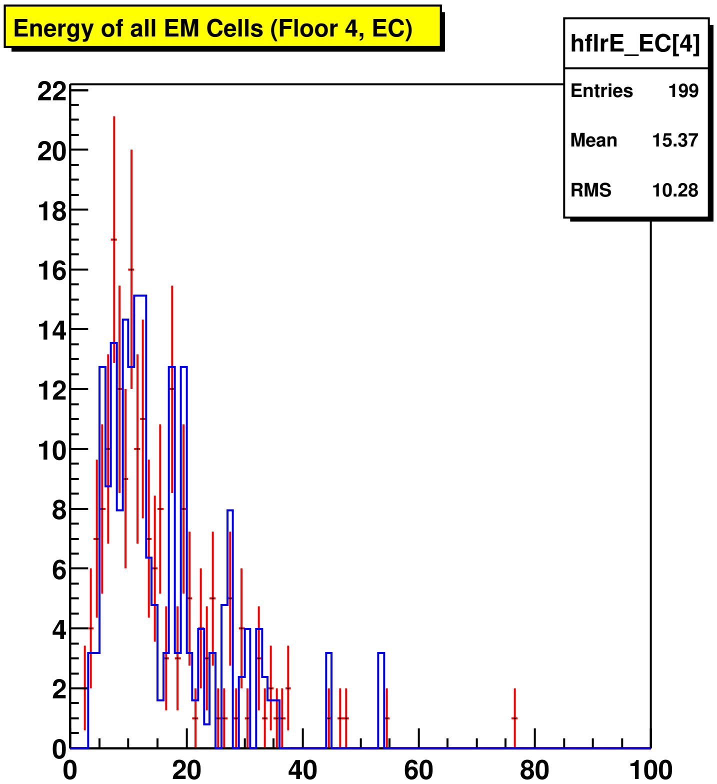

Energy of all EM Cells (Floor 3, CC)
hflrE_CC[3]
Entries 409
Mean 20.09
RMS 6.703
0
5
10
15
20
25
30
35
40
45
0
20
40
60
80
100

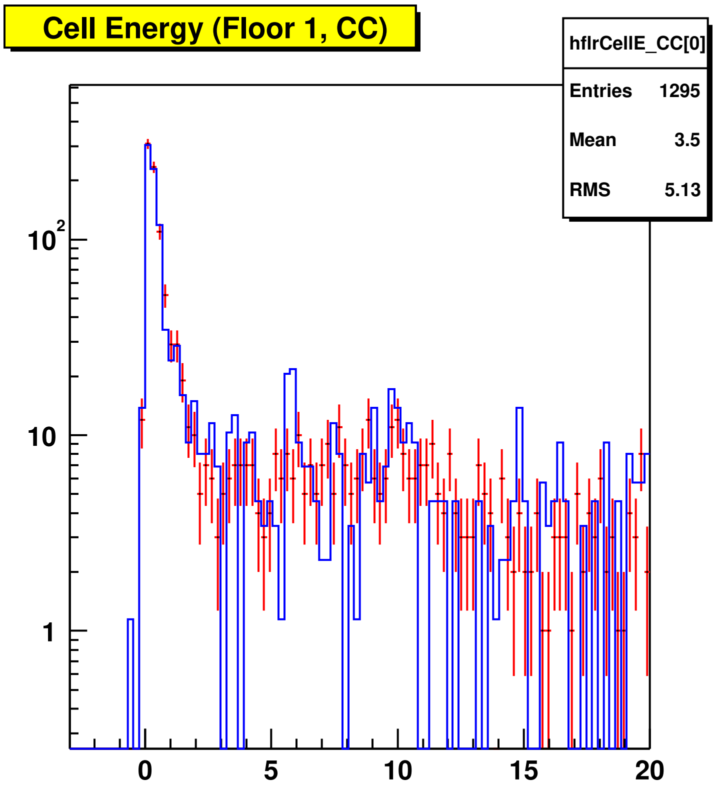

Energy of all EM Cells (Floor 4, CC)
hflrE_CC[4]
Entries 409
Mean 3.906
RMS 2.929
0
20
40
60
80
100
0
20
40
60
80
100

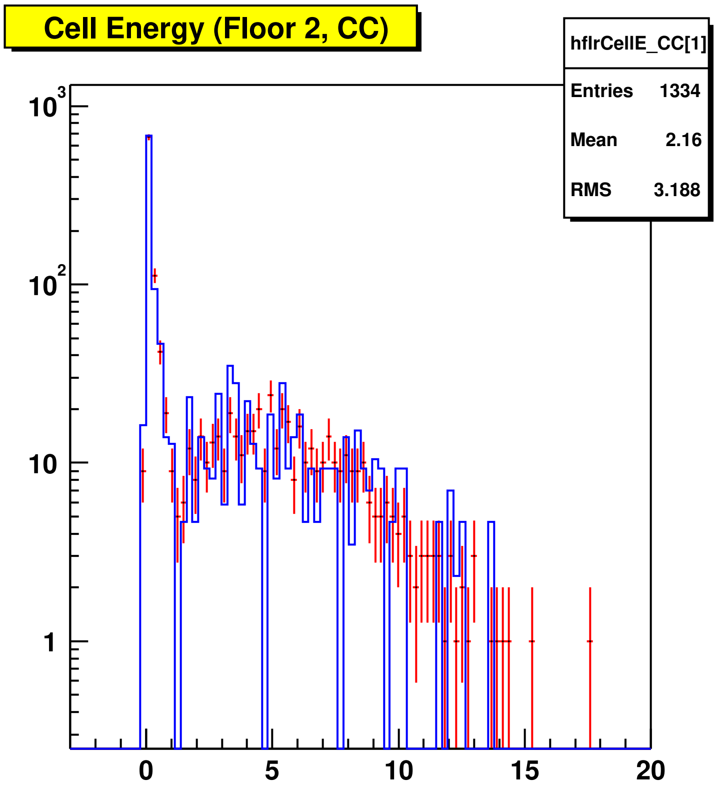

Energy of all EM Cells (Floor 1, EC)
hflrE_EC[1]
Entries 199
Mean 19.97
RMS 7.876

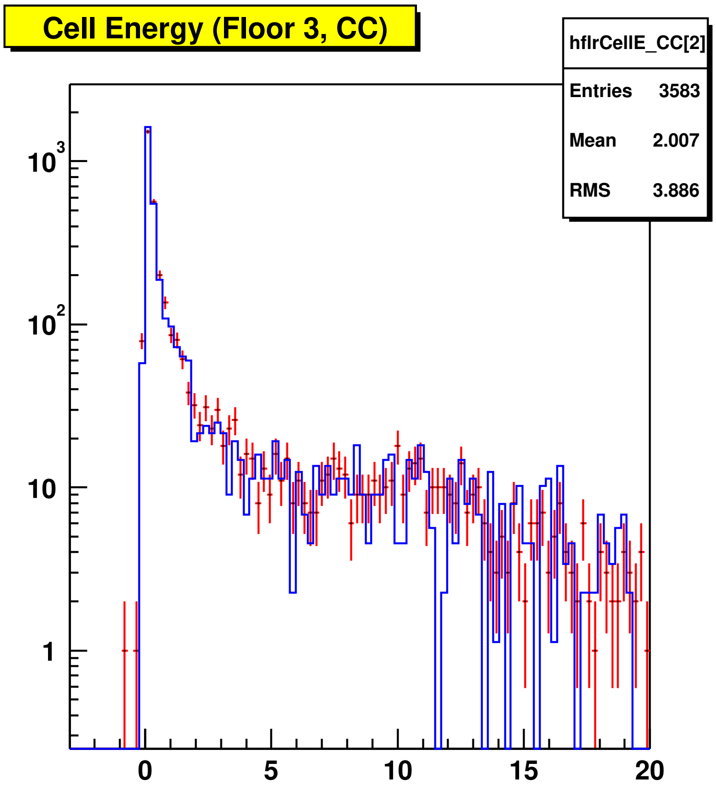

Energy of all EM Cells (Floor 2, EC)
hflrE_EC[2]
Entries 199
Mean 25.98
RMS 8.782

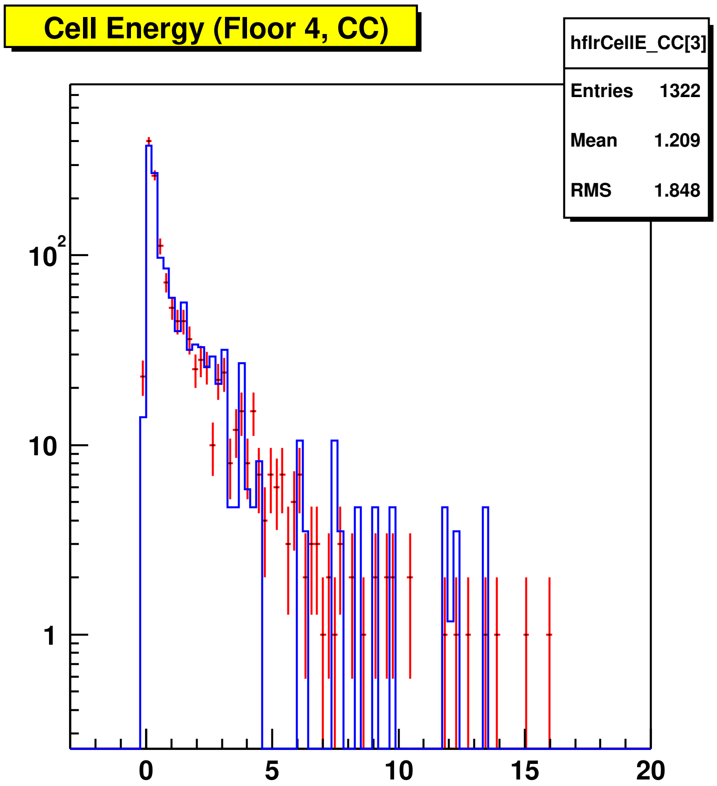

Energy of all EM Cells (Floor 3, EC)
hflrE_EC[3]
Entries 199
Mean 67.79
RMS 22.78

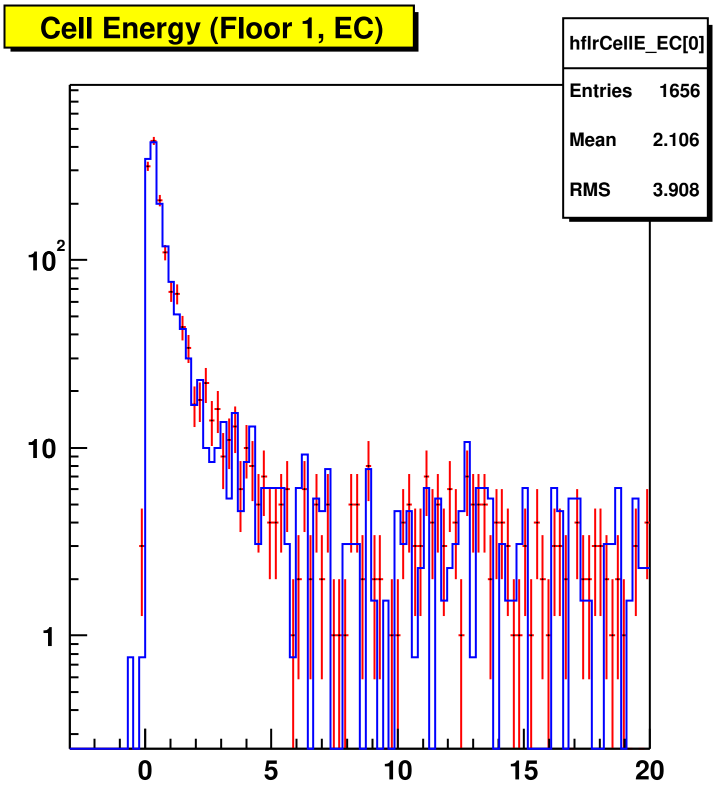

Energy of all EM Cells (Floor 4, EC)
hflrE_EC[4]
Entries 199
Mean 15.37
RMS 10.28

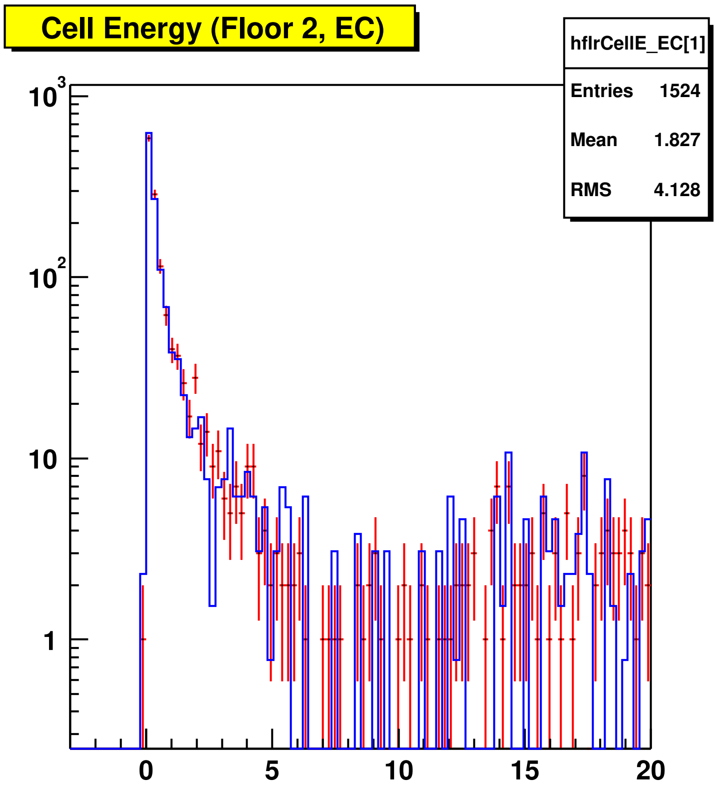

Cell Energy (Floor 1, CC)
hflrCellE_CC[0]
Entries 1295
Mean 3.5
RMS 5.13
10^2
10
1
0
5
10
15
20

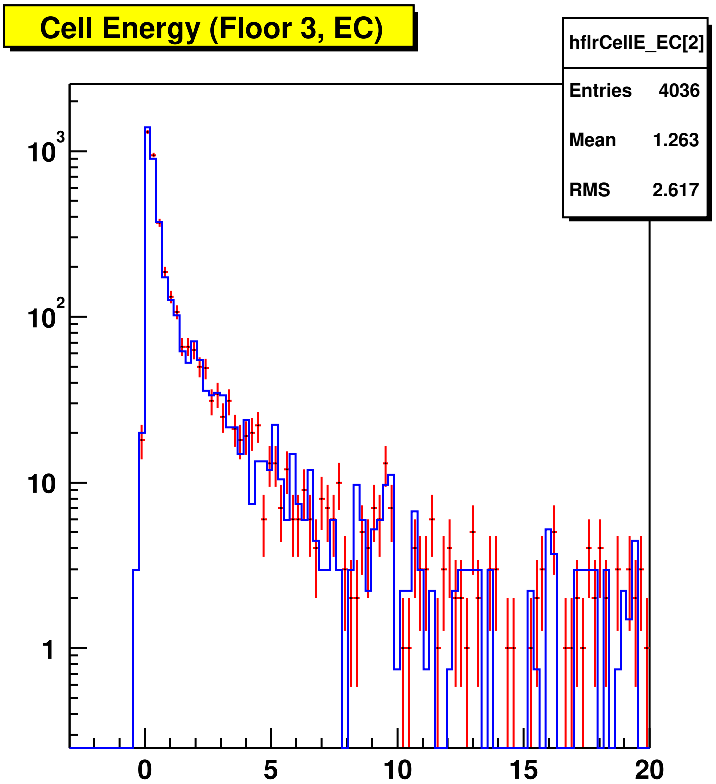

Cell Energy (Floor 2, CC)
hflrCellE_CC[1]
Entries 1334
Mean 2.16
RMS 3.188
10^3
10^2
10
1
0
5
10
15
20

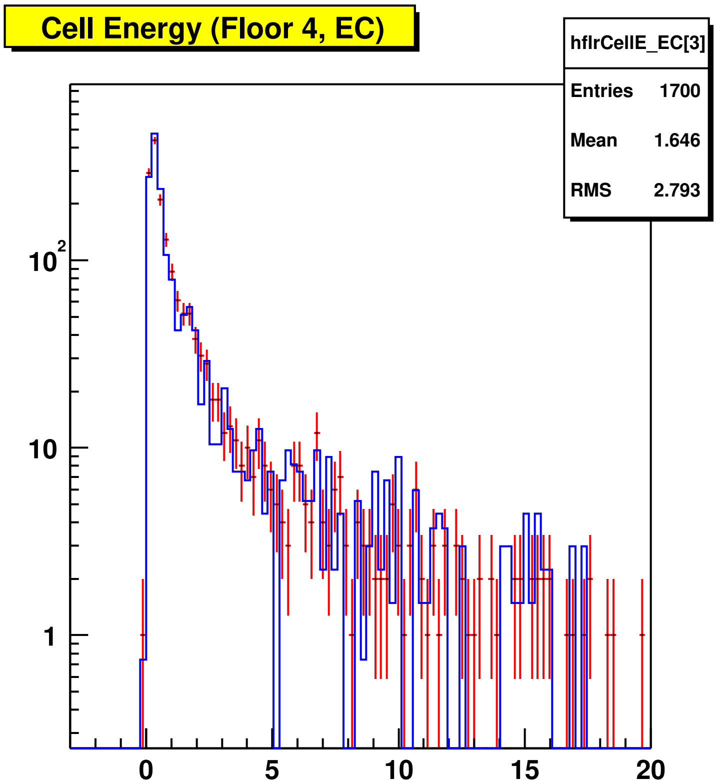

Cell Energy (Floor 3, CC)
hflrCellE_CC[2]
Entries 3583
Mean 2.007
RMS 3.886
10^3
10^2
10
1
0
5
10
15
20

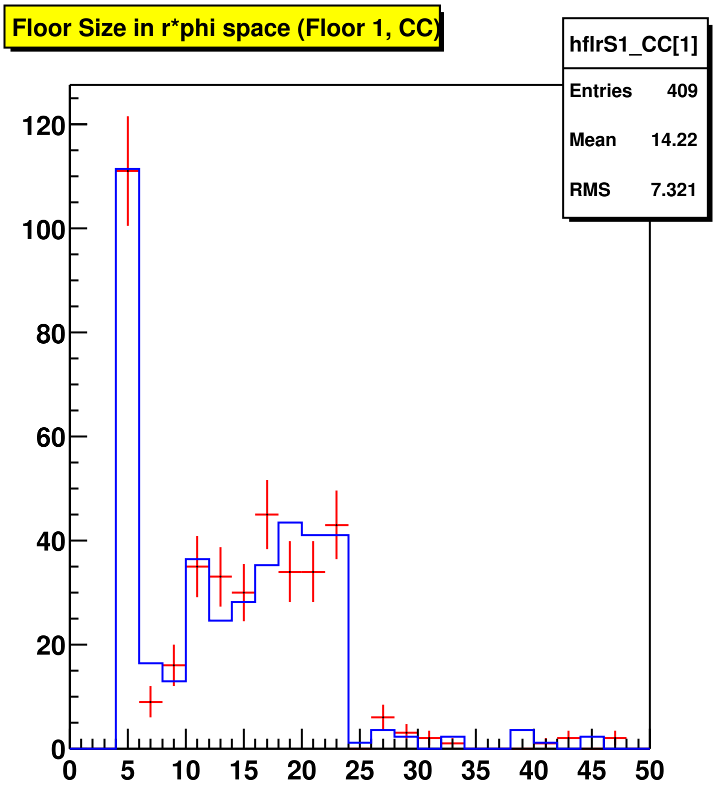

Cell Energy (Floor 4, CC)
hflrCellE_CC[3]
Entries 1322
Mean 1.209
RMS 1.848
10^2
10
1
0
5
10
15
20

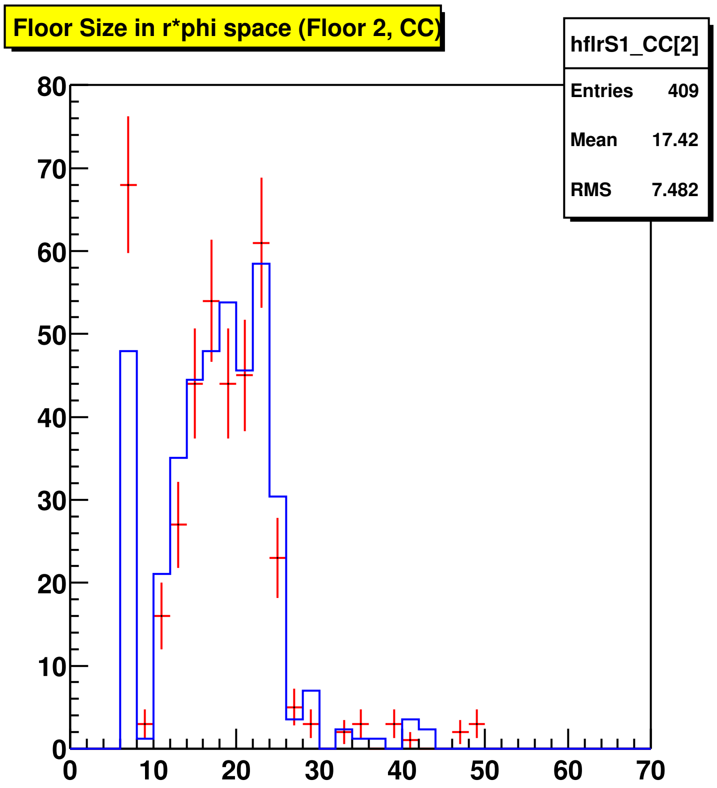

Cell Energy (Floor 1, EC)
hflrCellE_EC[0]
Entries 1656
Mean 2.106
RMS 3.908
1
10
10^2
0
5
10
15
20

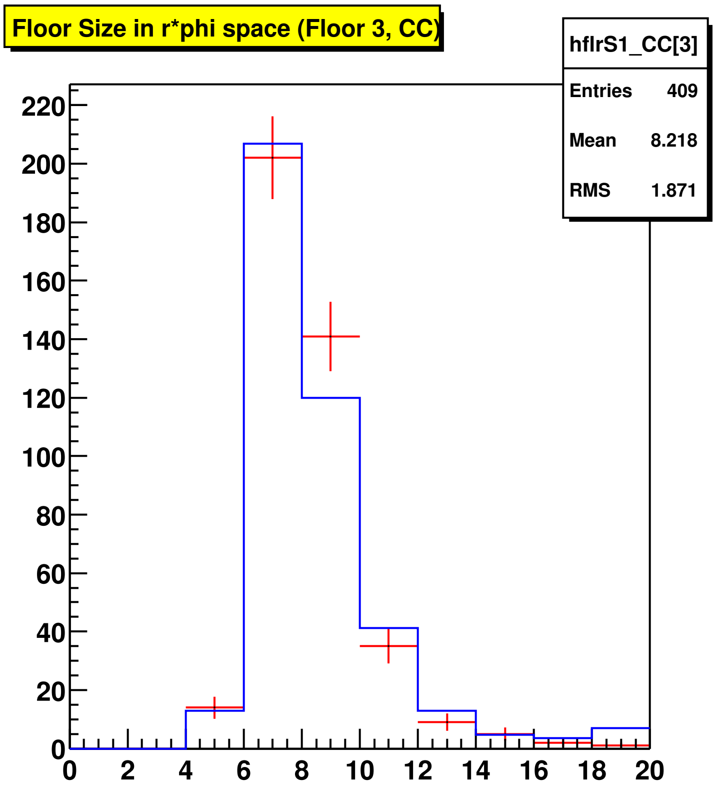

Cell Energy (Floor 2, EC)
hflrCellE_EC[1]
Entries 1524
Mean 1.827
RMS 4.128
1
10
10^2
10^3
0
5
10
15
20

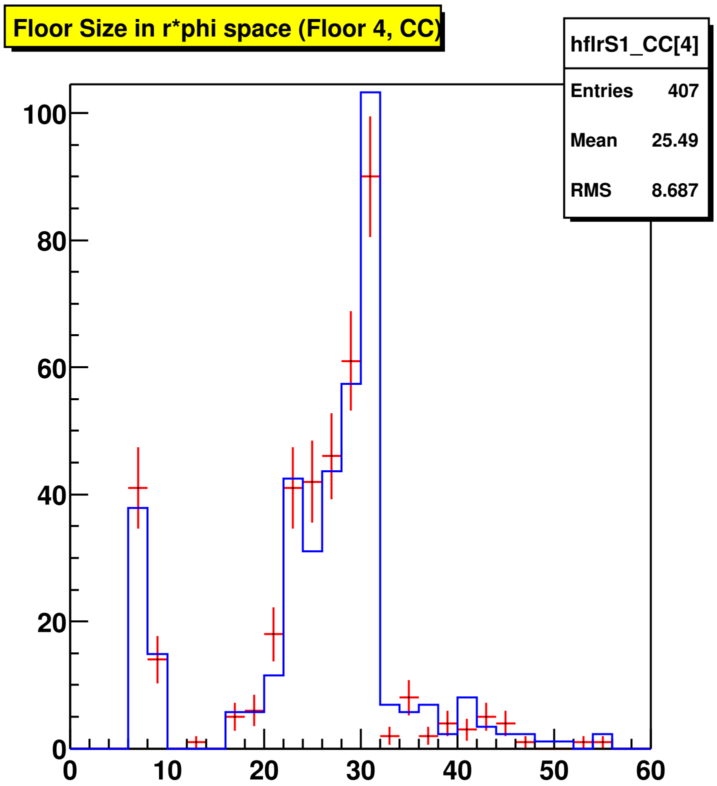

Cell Energy (Floor 3, EC)
hflrCellE_EC[2]
Entries 4036
Mean 1.263
RMS 2.617
1
10
10^2
10^3
0
5
10
15
20

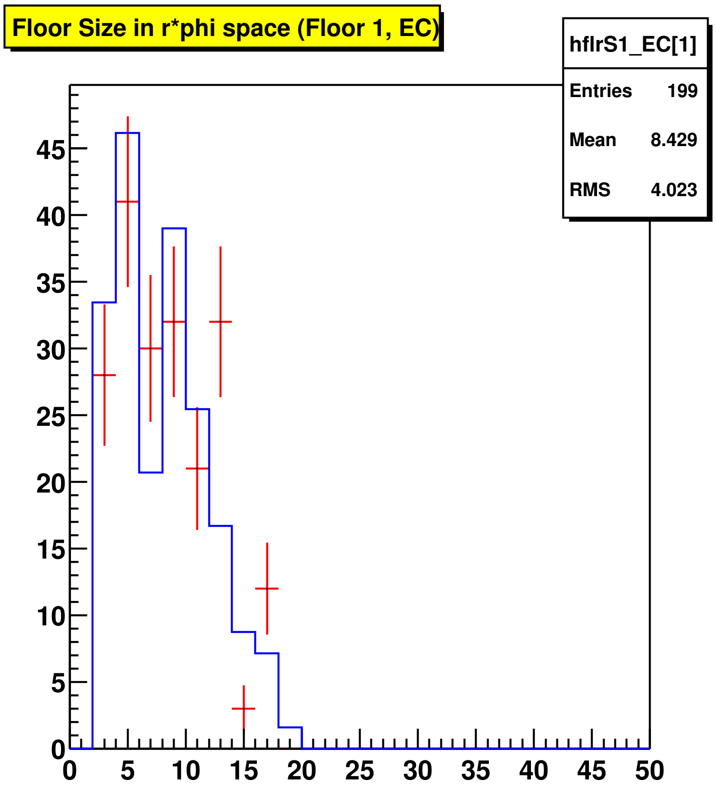

Cell Energy (Floor 4, EC)
hflrCellE_EC[3]
Entries 1700
Mean 1.646
RMS 2.793
1
10
10^2
0
5
10
15
20

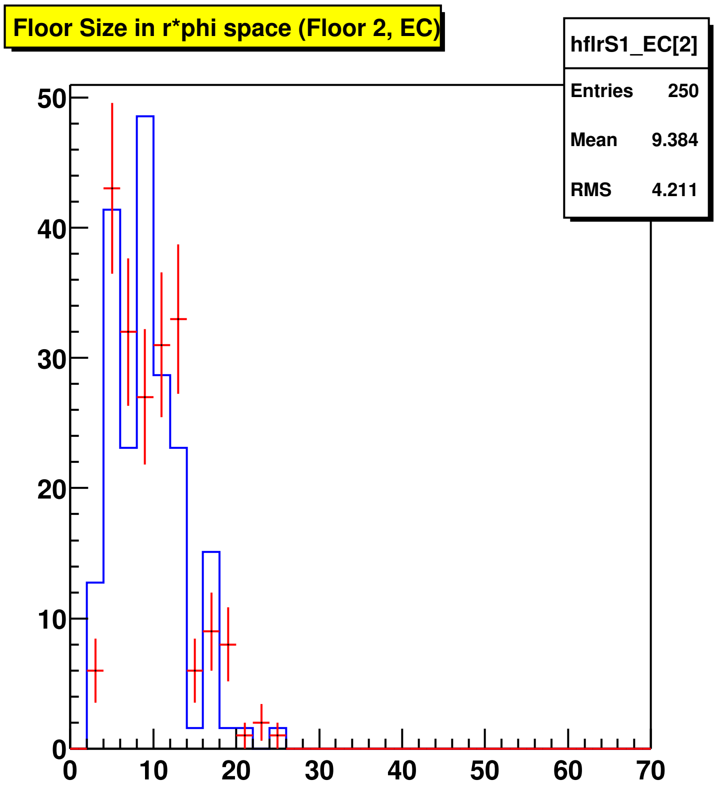

Floor Size in r*phi space (Floor 1, CC)
hflrS1_CC[1]
Entries 409
Mean 14.22
RMS 7.321

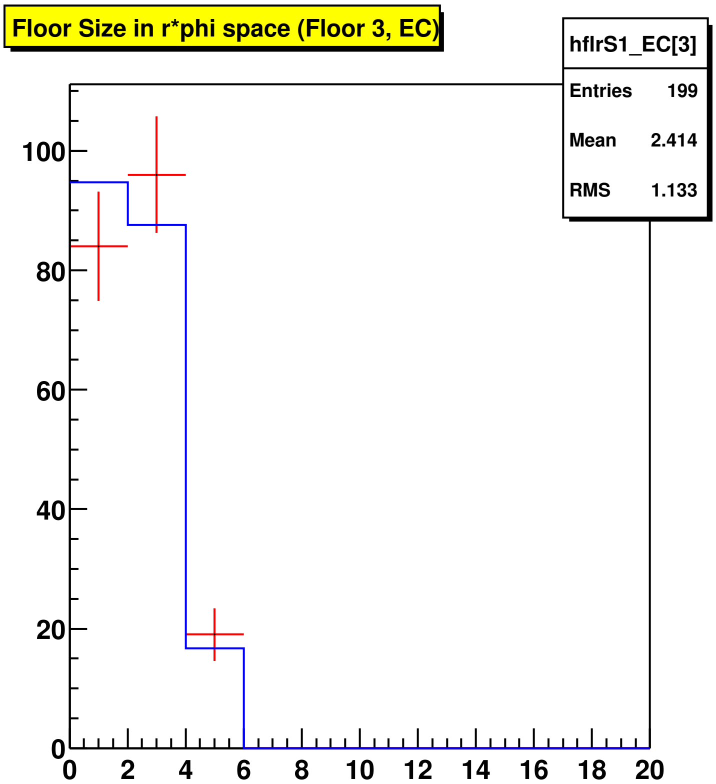

Floor Size in r*phi space (Floor 2, CC)
hflrS1_CC[2]
Entries 409
Mean 17.42
RMS 7.482

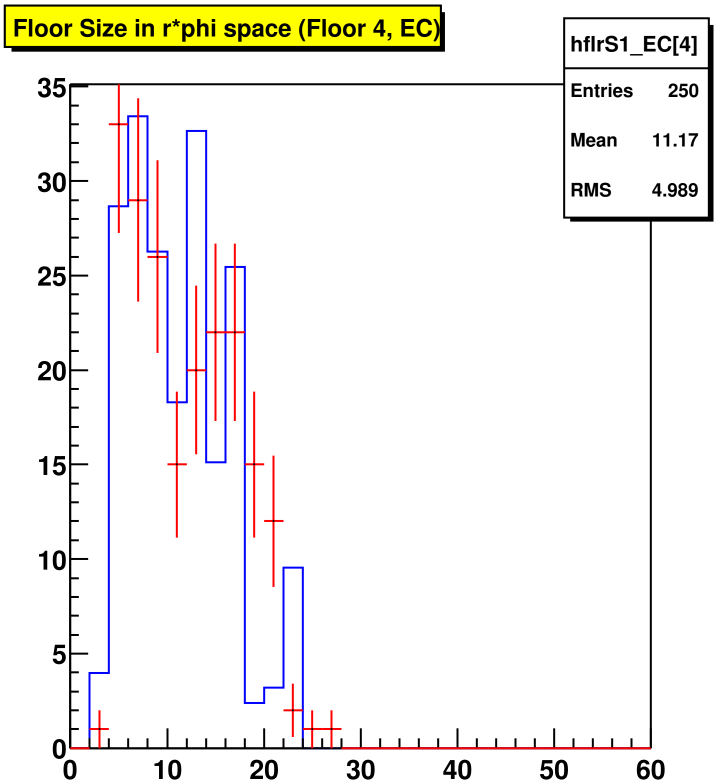

Floor Size in r*phi space (Floor 3, CC)
hflrS1_CC[3]
Entries 409
Mean 8.218
RMS 1.871

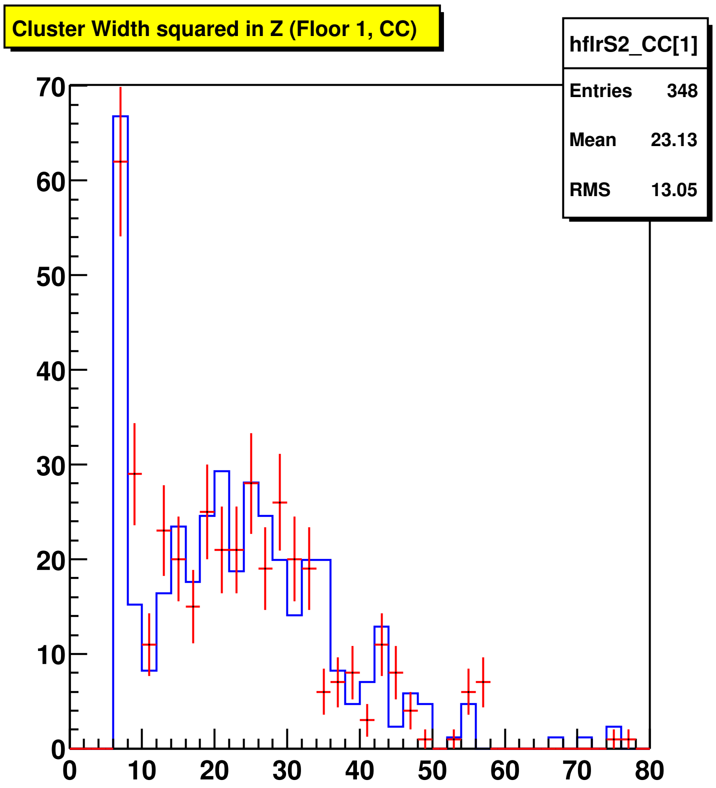

Floor Size in r*phi space (Floor 4, CC)
hflrS1_CC[4]
Entries 407
Mean 25.49
RMS 8.687

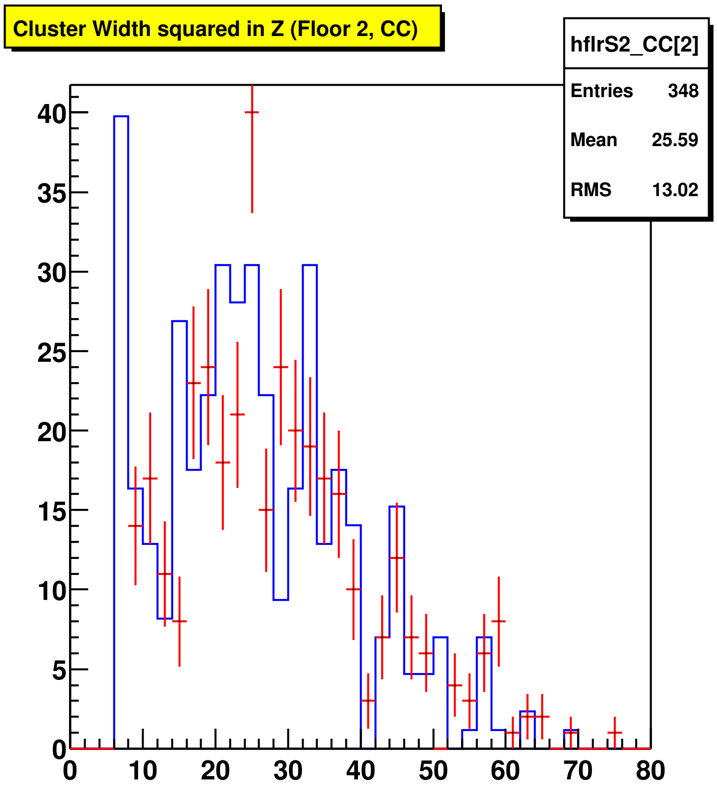

Floor Size in r*phi space (Floor 1, EC)
hflrS1_EC[1]
Entries 199
Mean 8.429
RMS 4.023
0 5 10 15 20 25 30 35 40 45
0 5 10 15 20 25 30 35 40 45 50

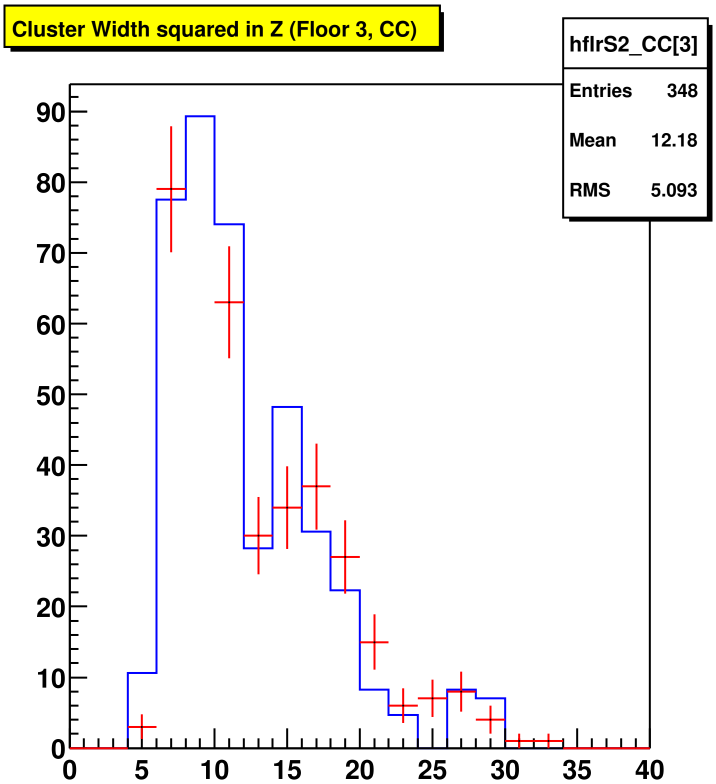

Floor Size in r*phi space (Floor 2, EC)
hflrS1_EC[2]
Entries 250
Mean 9.384
RMS 4.211
0 10 20 30 40 50
0 10 20 30 40 50 60 70

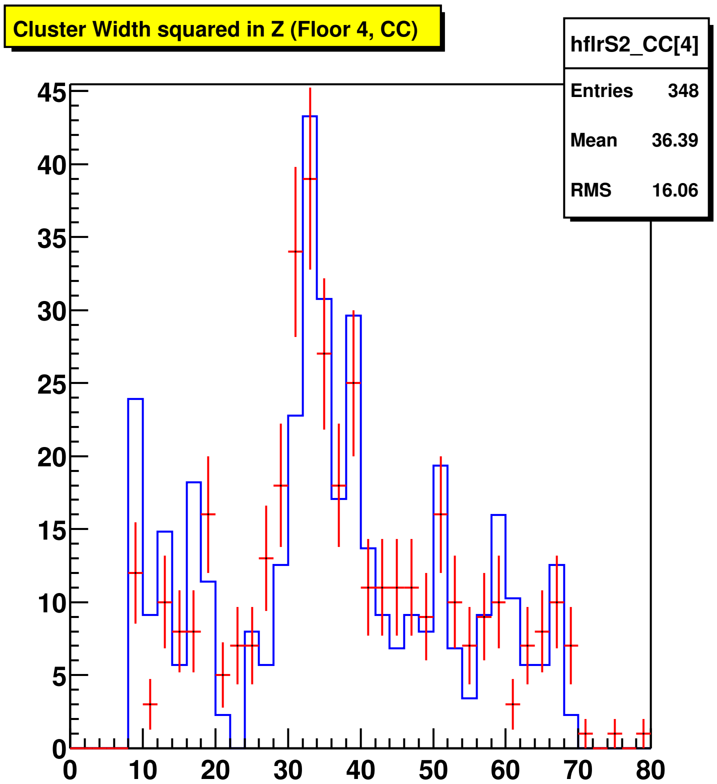

Floor Size in r*phi space (Floor 3, EC)
hflrS1_EC[3]
Entries 199
Mean 2.414
RMS 1.133
0 20 40 60 80 100
0 2 4 6 8 10 12 14 16 18 20

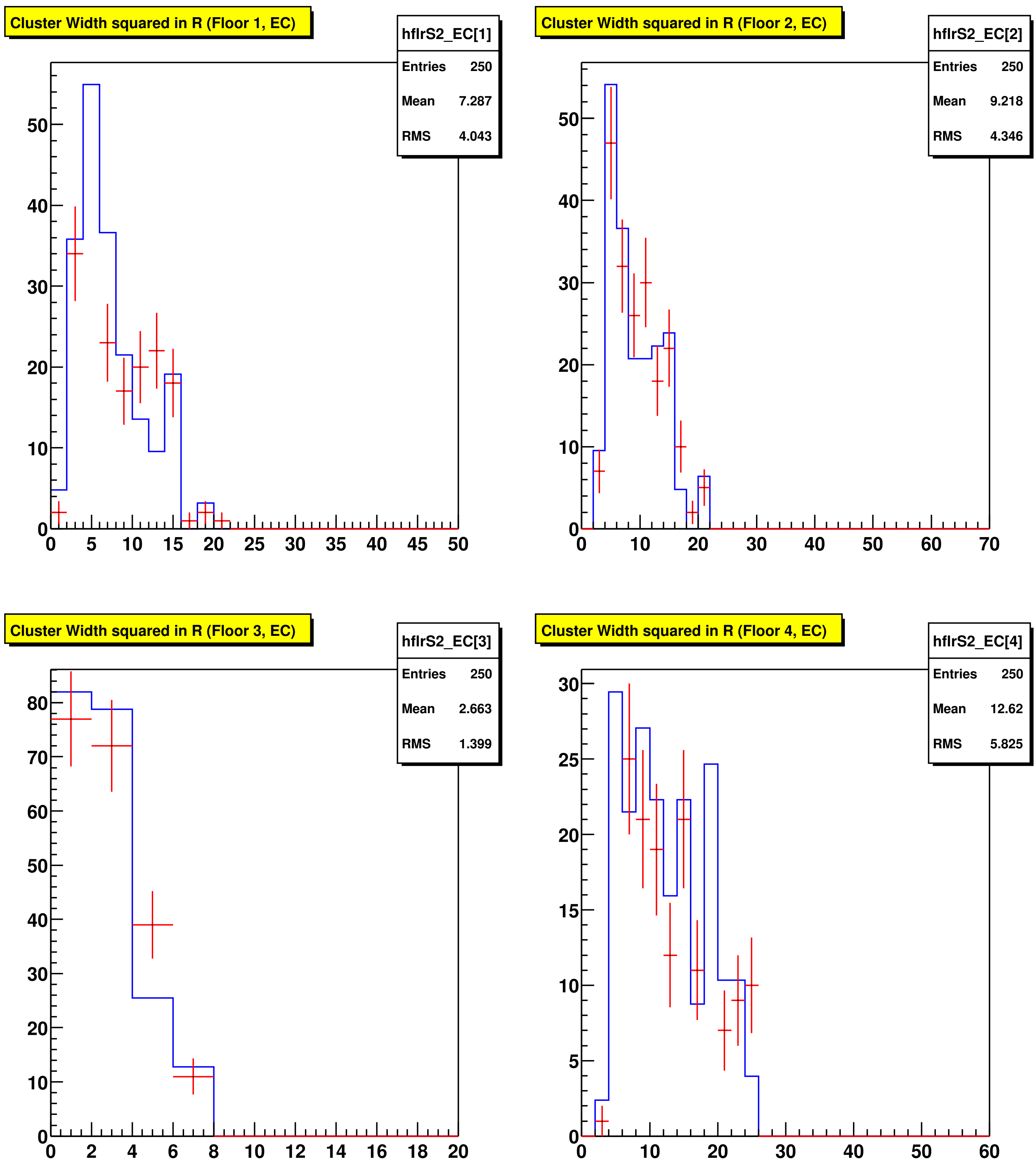

Floor Size in r*phi space (Floor 4, EC)
hflrS1_EC[4]
Entries 250
Mean 11.17
RMS 4.989
0 5 10 15 20 25 30 35
0 10 20 30 40 50 60


Cluster Width squared in Z (Floor 1, CC)
hflrS2_CC[1]
Entries 348
Mean 23.13
RMS 13.05
0 10 20 30 40 50 60 70
0 10 20 30 40 50 60 70 80

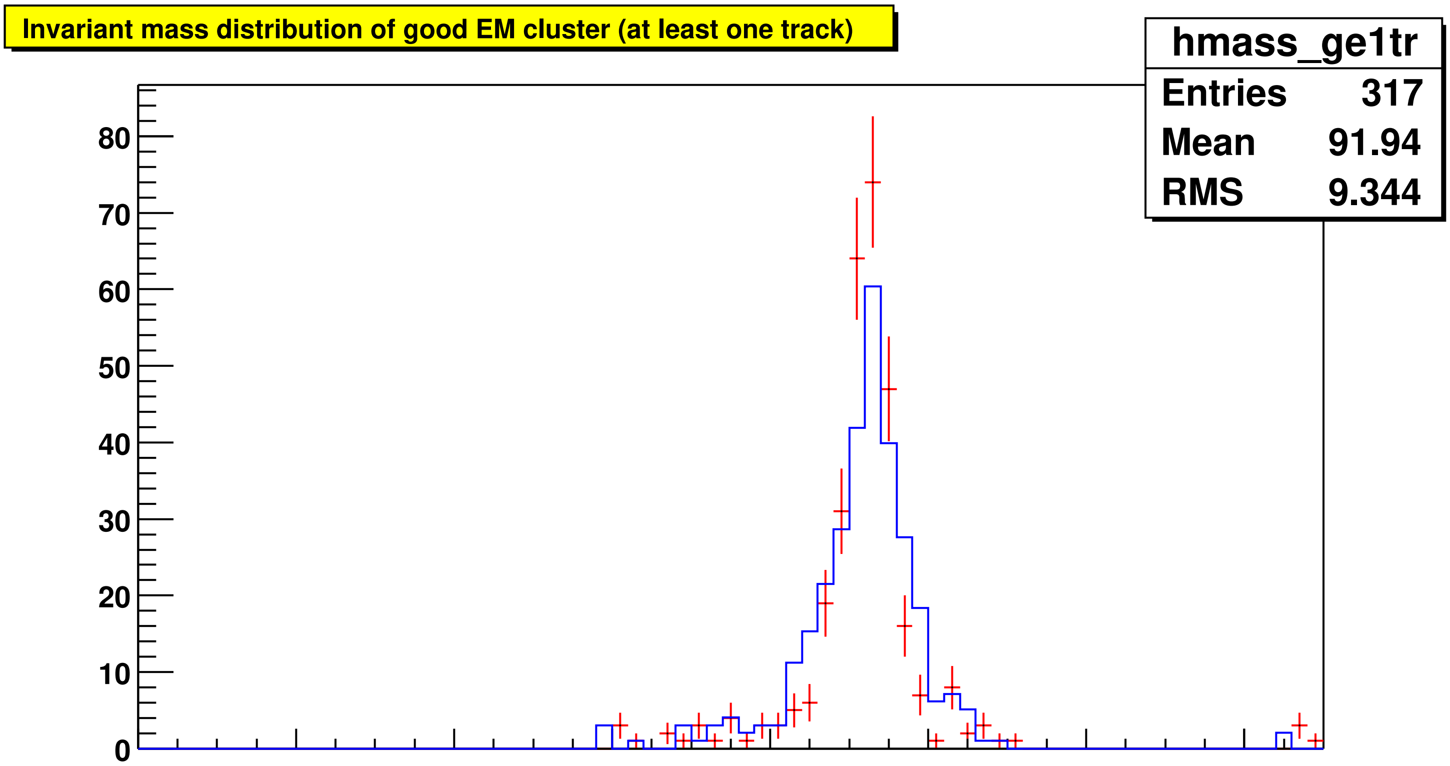

Cluster Width squared in Z (Floor 2, CC)
hflrS2_CC[2]
Entries 348
Mean 25.59
RMS 13.02
0 5 10 15 20 25 30 35 40
0 10 20 30 40 50 60 70 80

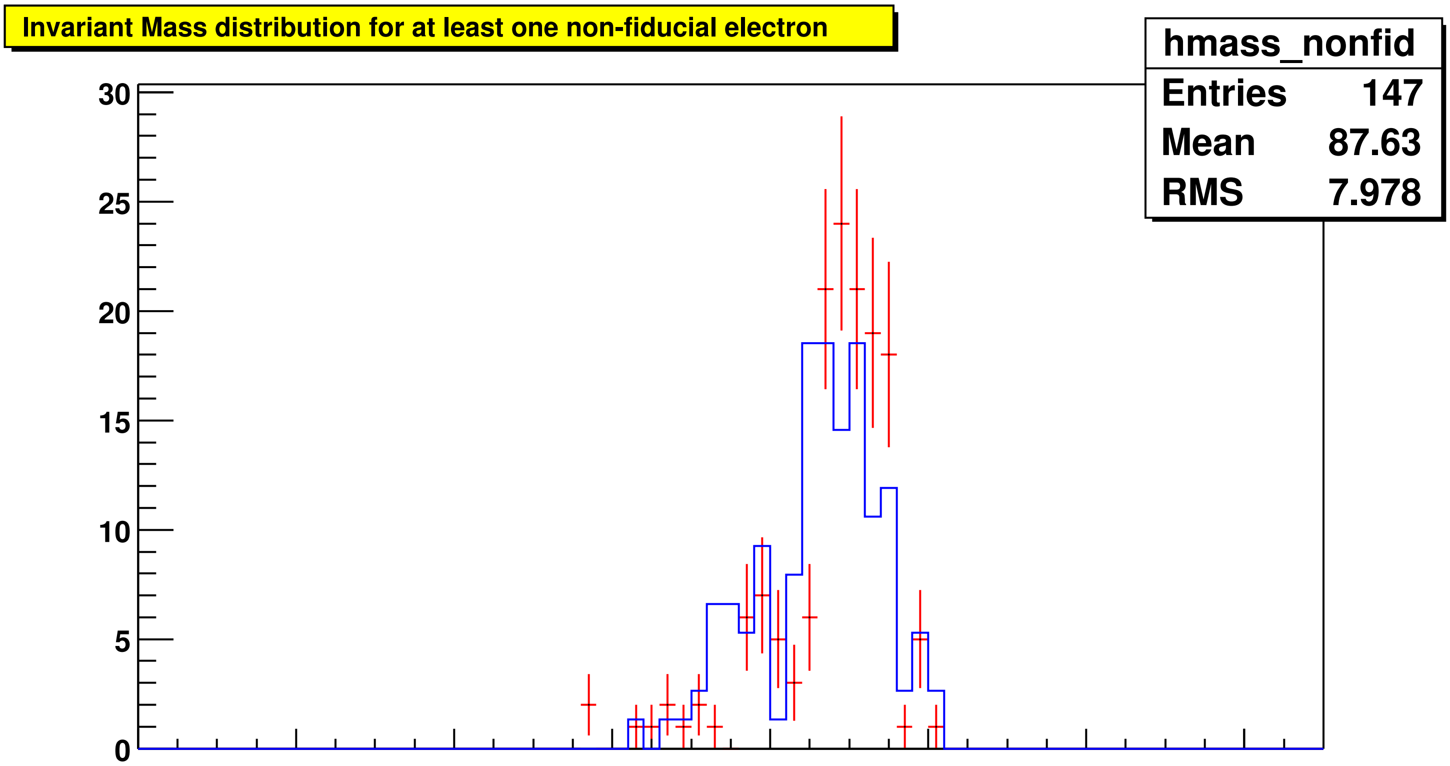

Cluster Width squared in Z (Floor 3, CC)
hflrS2_CC[3]
Entries 348
Mean 12.18
RMS 5.093
0 10 20 30 40 50 60 70 80 90
0 5 10 15 20 25 30 35 40


Cluster Width squared in Z (Floor 4, CC)
hflrS2_CC[4]
Entries 348
Mean 36.39
RMS 16.06
0 5 10 15 20 25 30 35 40 45
0 10 20 30 40 50 60 70 80



Cluster Width squared in R (Floor 1, EC)
hflrS2_EC[1]
Entries 250
Mean 7.287
RMS 4.043
Cluster Width squared in R (Floor 2, EC)
hflrS2_EC[2]
Entries 250
Mean 9.218
RMS 4.346
Cluster Width squared in R (Floor 3, EC)
hflrS2_EC[3]
Entries 250
Mean 2.663
RMS 1.399
Cluster Width squared in R (Floor 4, EC)
hflrS2_EC[4]
Entries 250
Mean 12.62
RMS 5.825


Invariant mass distribution of good EM cluster (at least one track)
hmass_ge1tr
Entries 317
Mean 91.94
RMS 9.344
0
10
20
30
40
50
60
70
80


Invariant Mass distribution for at least one non-fiducial electron
hmass_nonfid
Entries 147
Mean 87.63
RMS 7.978
0
5
10
15
20
25
30