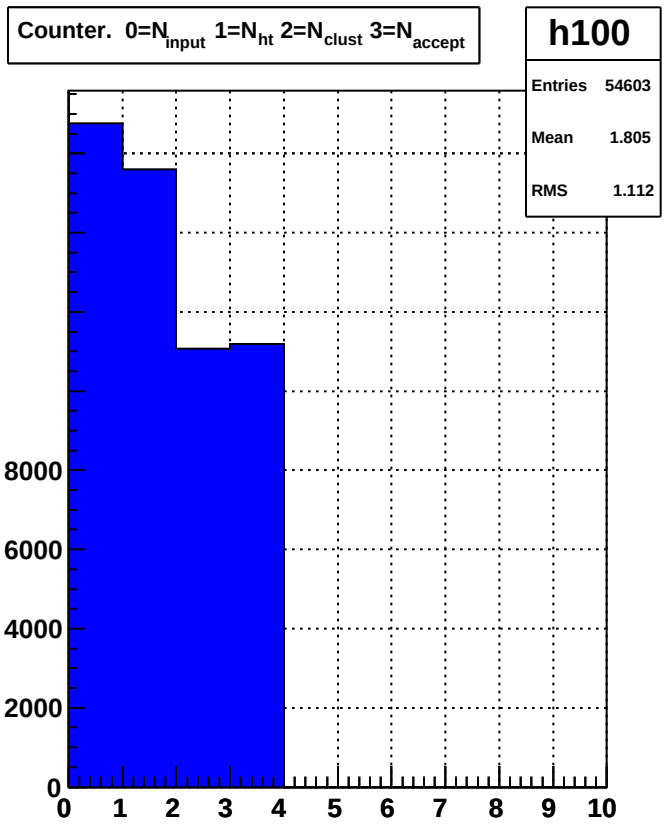
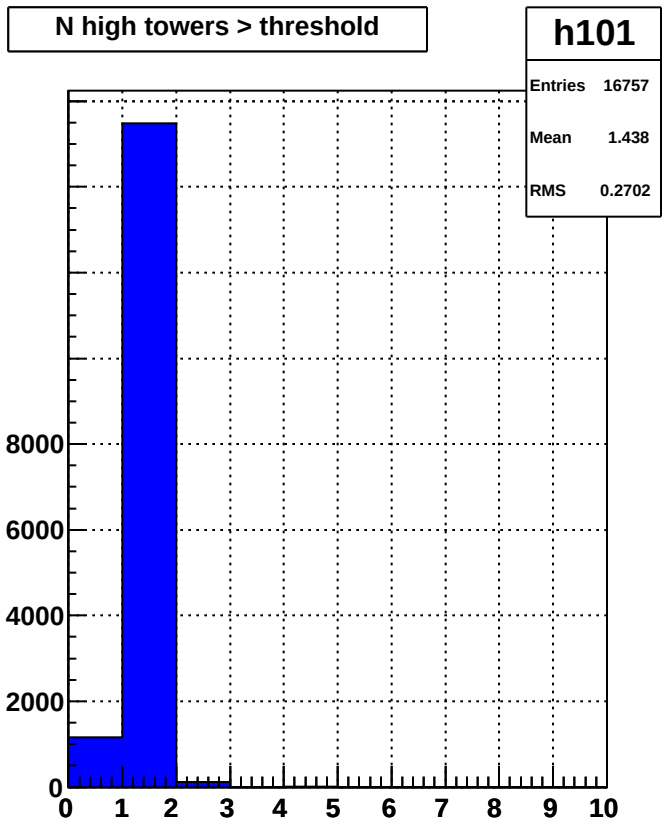
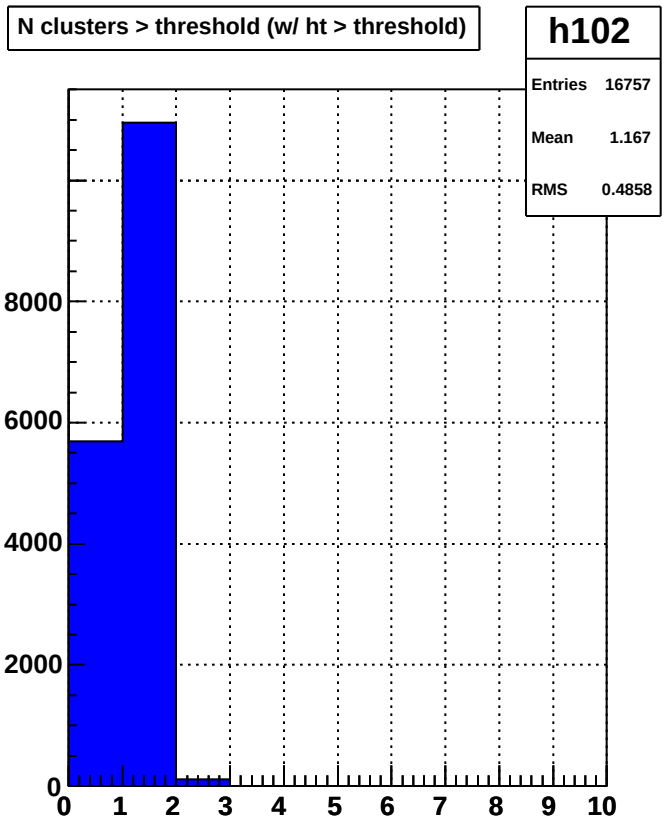
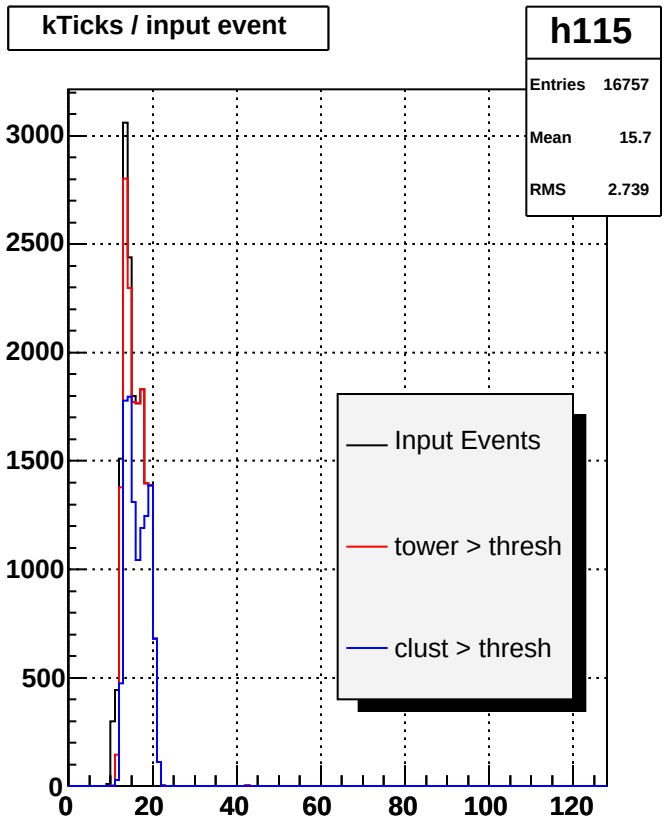
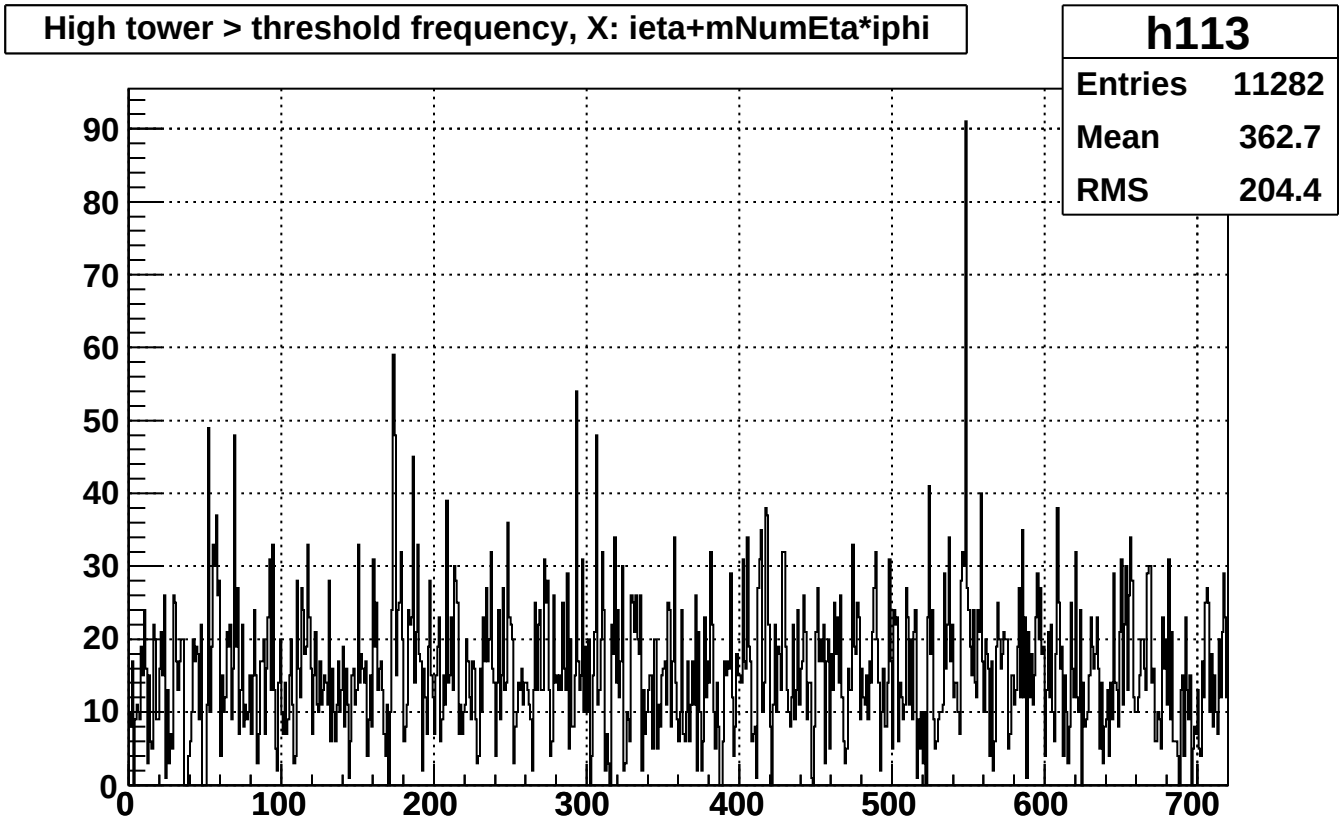
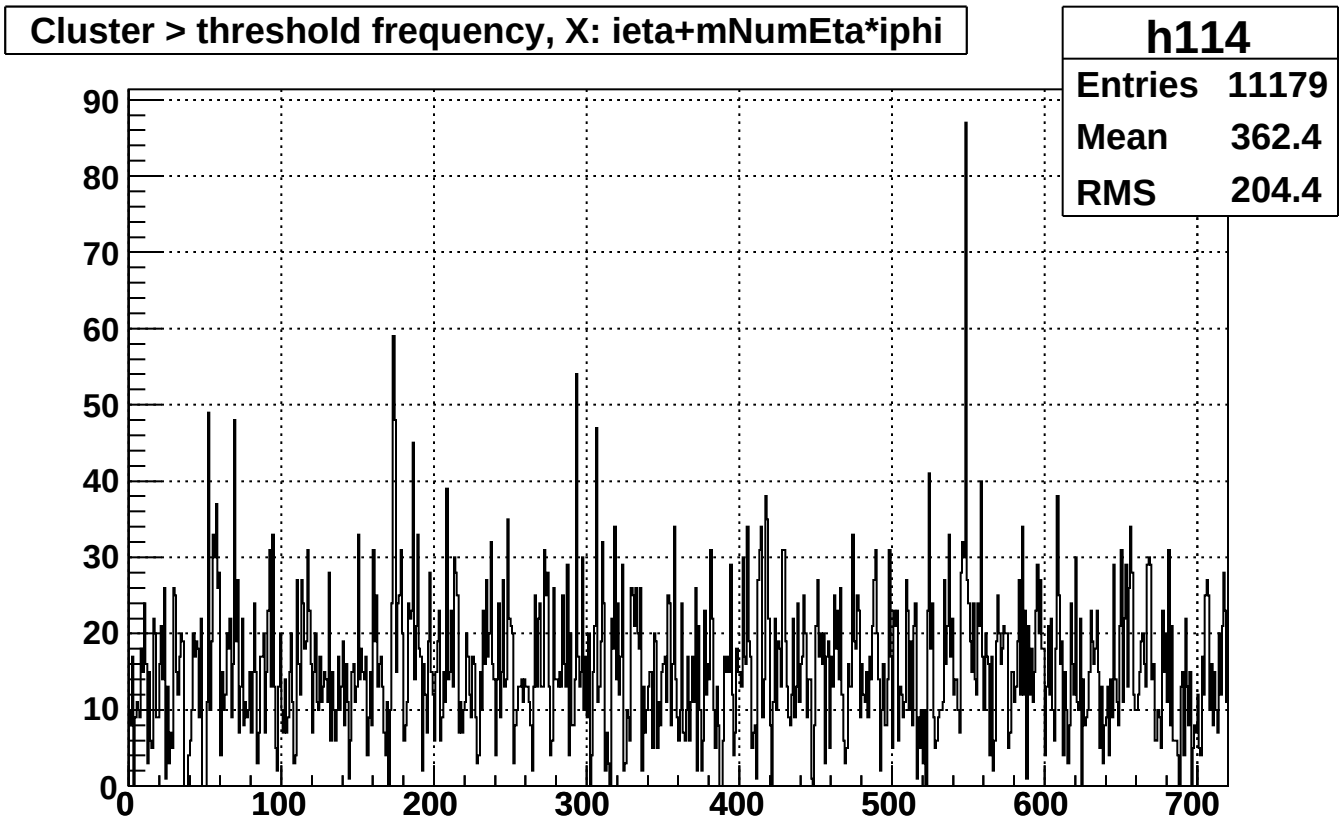

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 54603
Mean 1.805
RMS 1.112
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

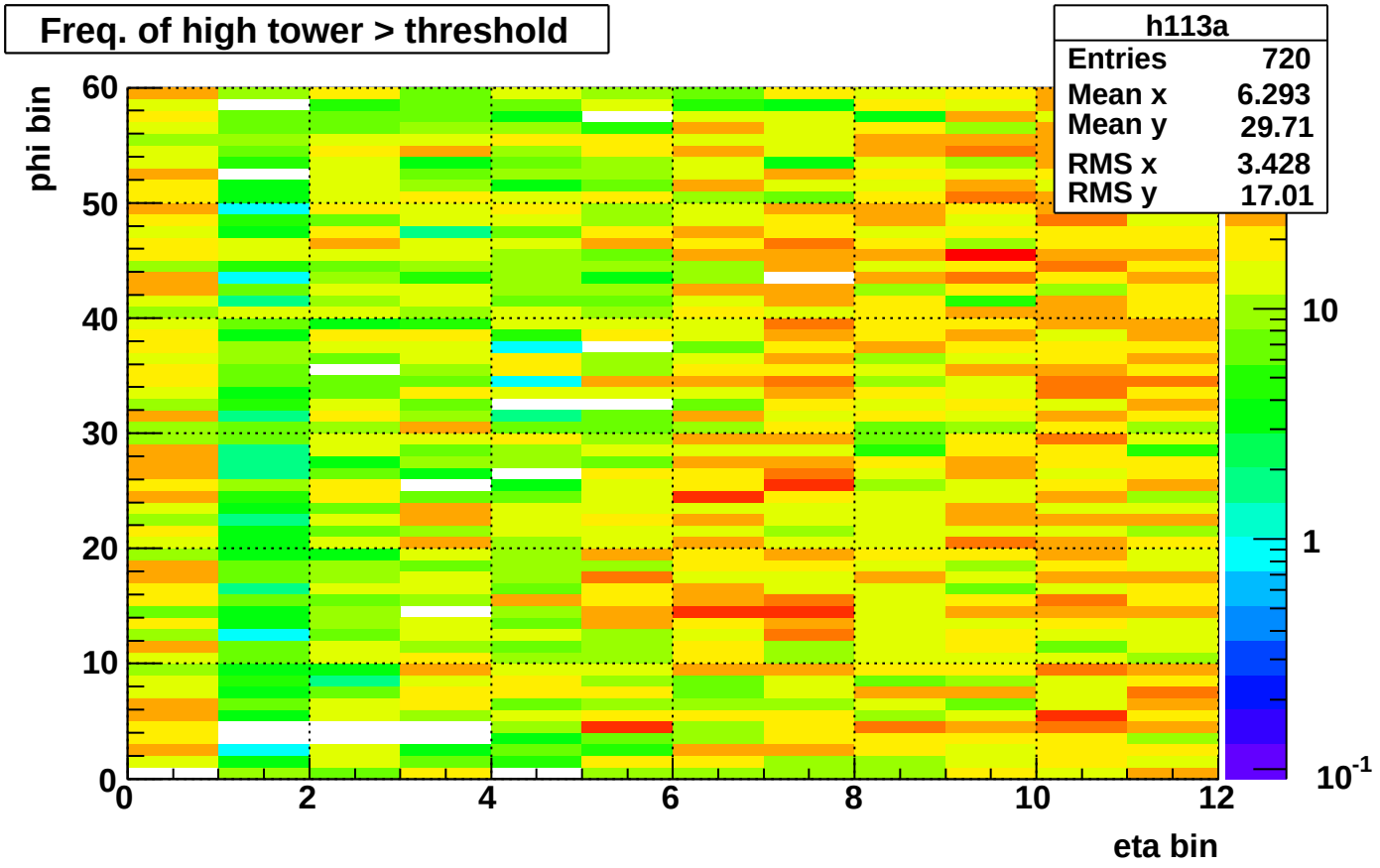

N high towers > threshold
h101
Entries 16757
Mean 1.438
RMS 0.2702
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

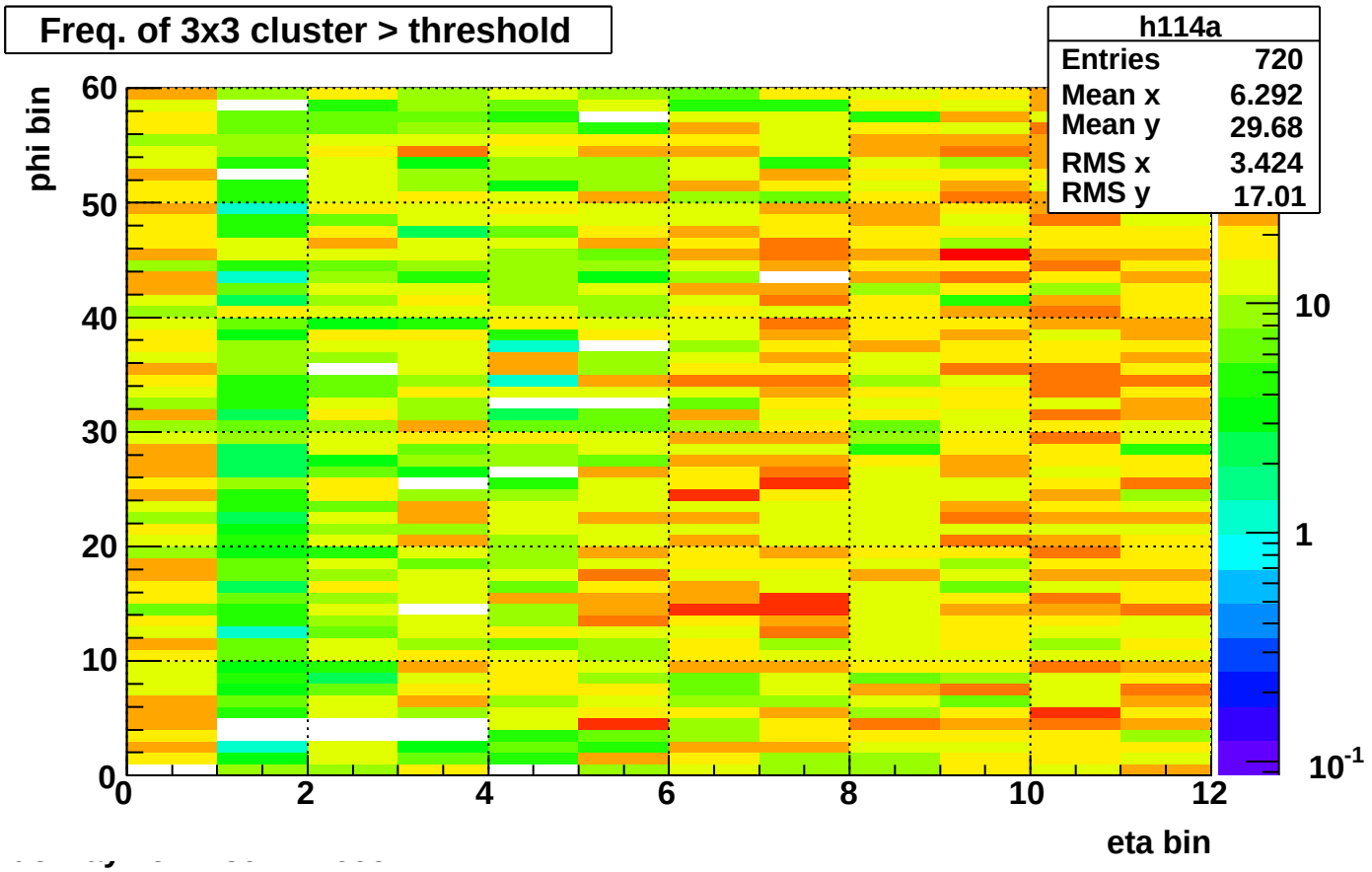

N clusters > threshold (w/ ht > threshold)
h102
Entries 16757
Mean 1.167
RMS 0.4858
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

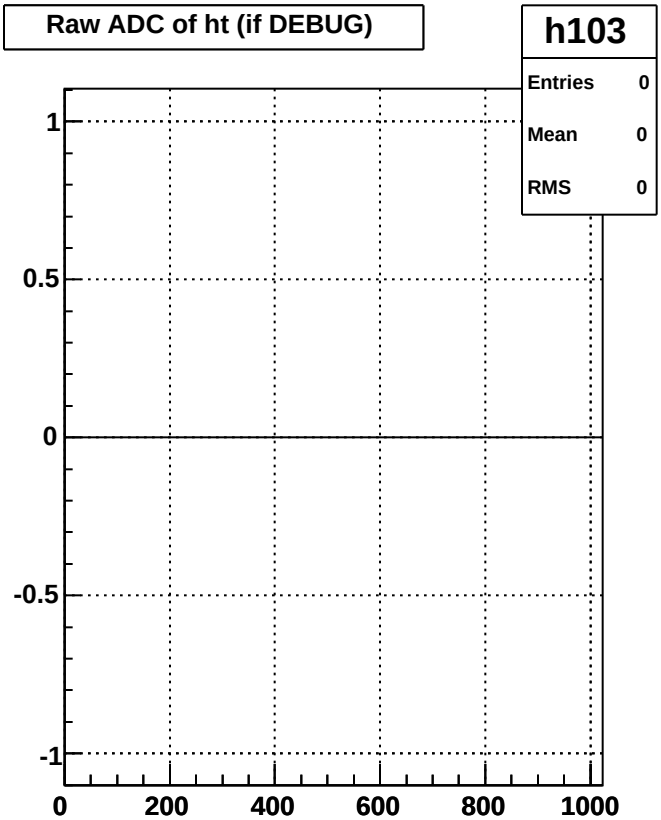

kTicks / input event
h115
Entries 16757
Mean 15.7
RMS 2.739
0
500
1000
1500
2000
2500
3000
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

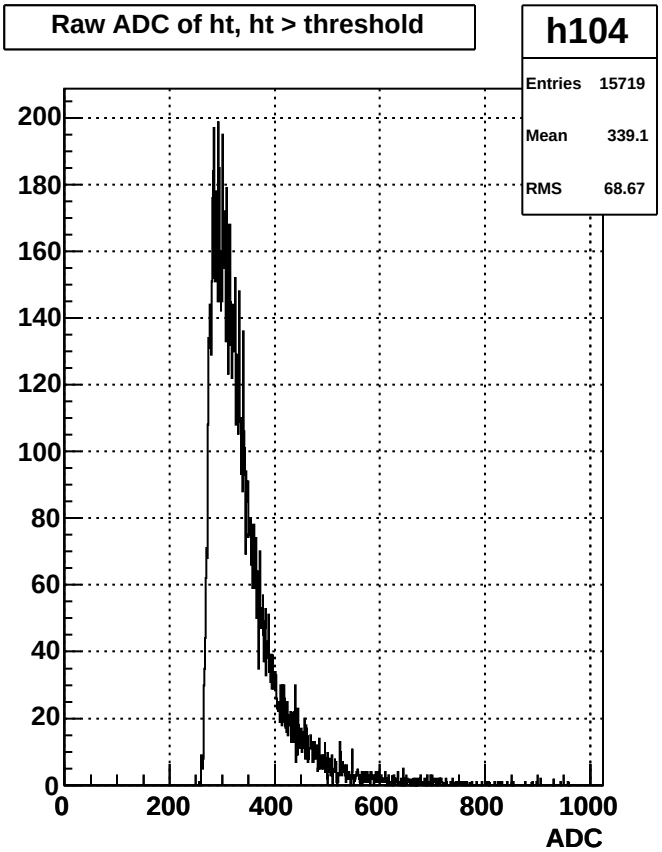

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 11282
Mean 362.7
RMS 204.4
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

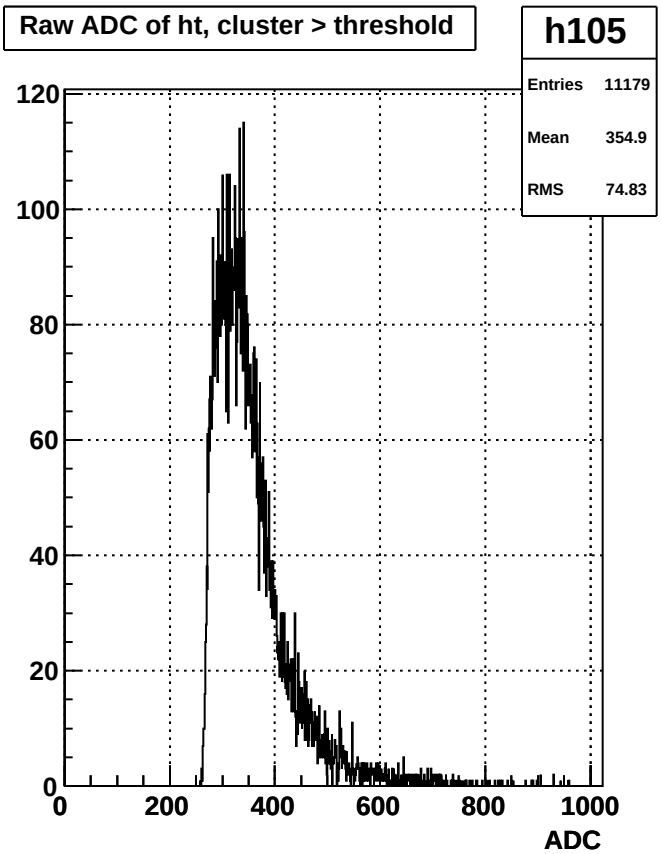

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 11179
Mean 362.4
RMS 204.4
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

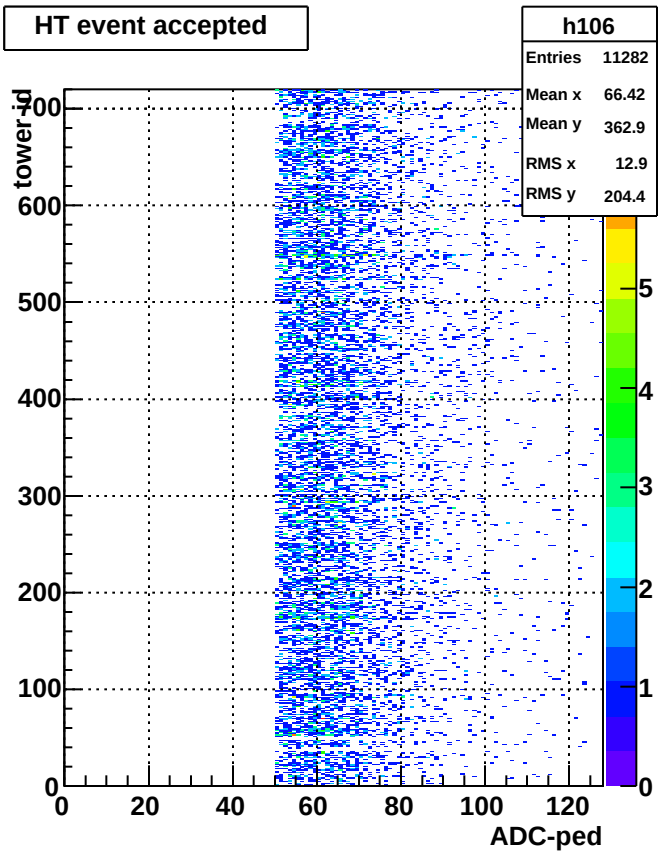

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.293
Mean y 29.71
RMS x 3.428
RMS y 17.01
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

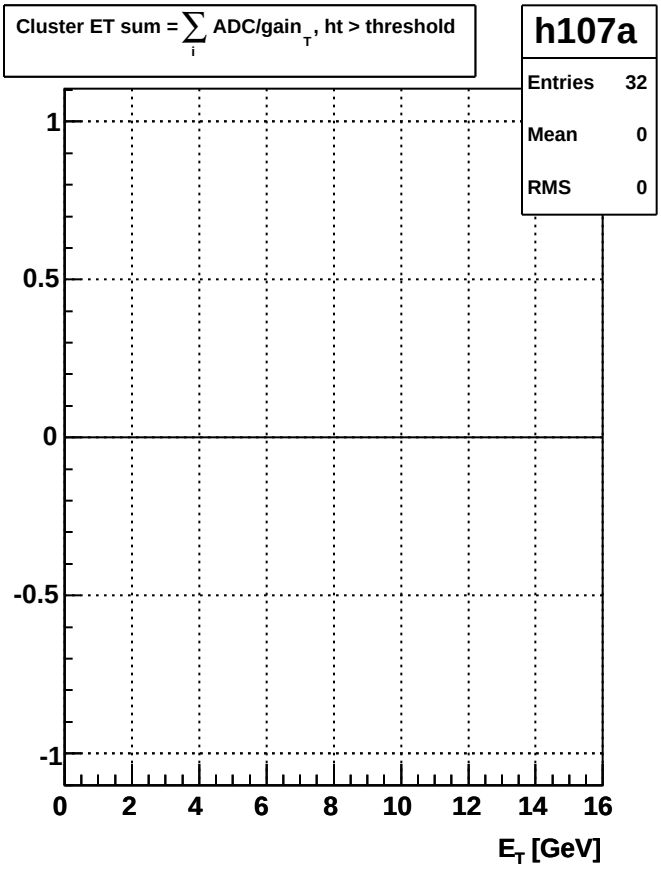

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.292
Mean y 29.68
RMS x 3.424
RMS y 17.01
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

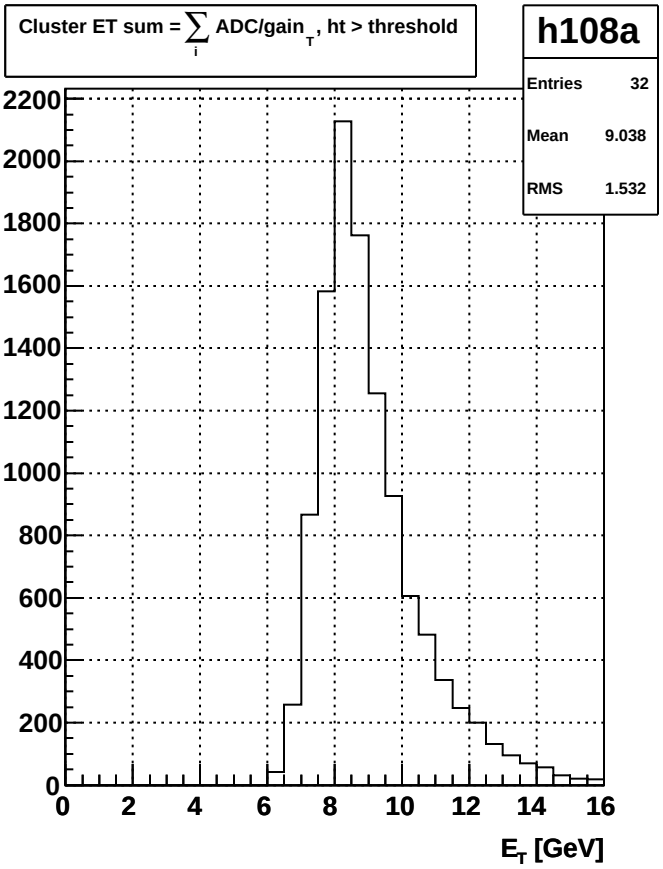

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

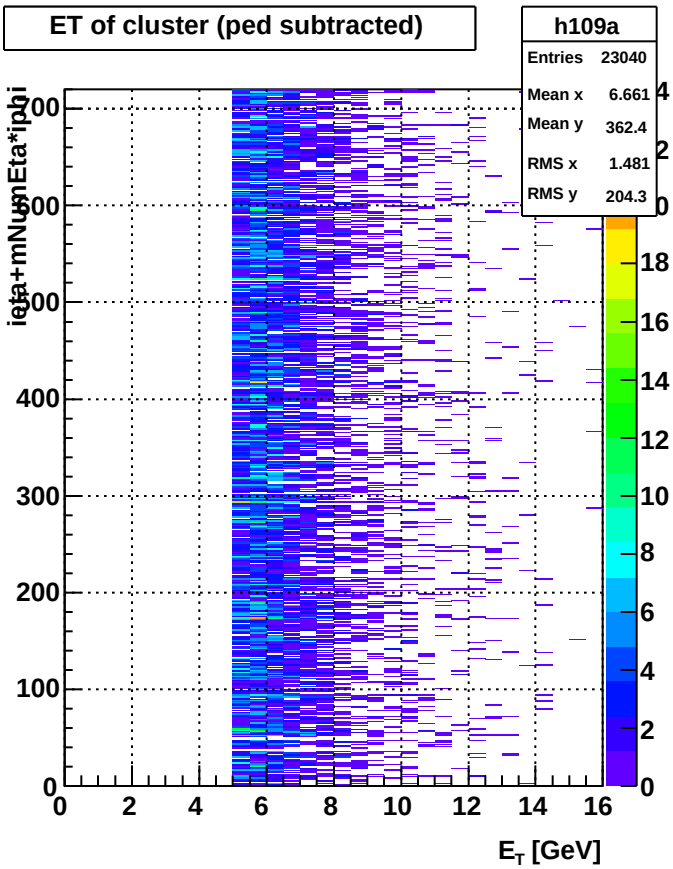

Raw ADC of ht, ht > threshold
h104
Entries 15719
Mean 339.1
RMS 68.67
200
180
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

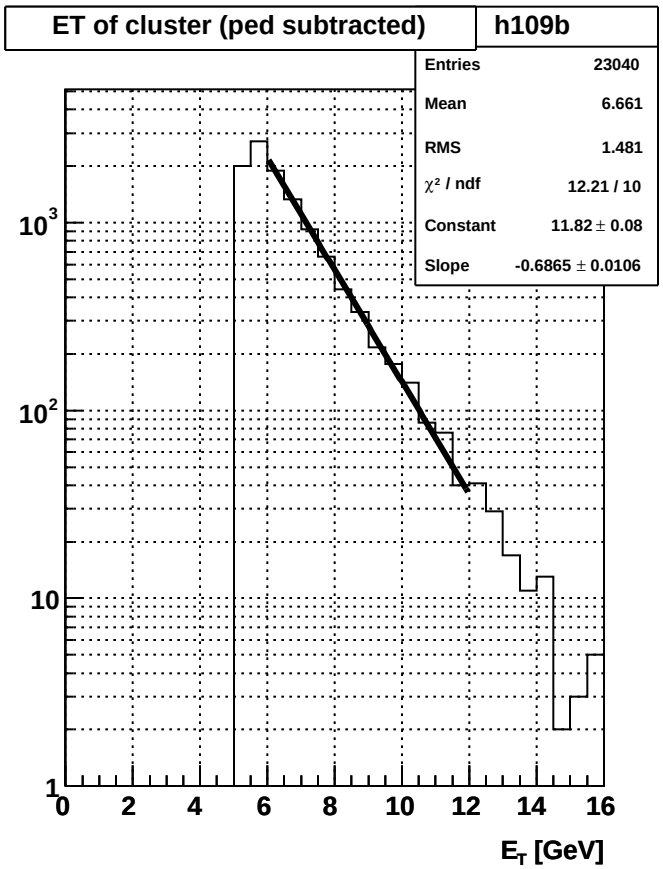

Raw ADC of ht, cluster > threshold
h105
Entries 11179
Mean 354.9
RMS 74.83
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 11282
Mean x 66.42
Mean y 362.9
RMS x 12.9
RMS y 204.4
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
5
4
3
2
1
0


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h107a
Entries 32
Mean 0
RMS 0
E_T [GeV]


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h108a
Entries 32
Mean 9.038
RMS 1.532
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.661
Mean y 362.4
RMS x 1.481
RMS y 204.3
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.661
RMS 1.481
χ^2 / ndf 12.21 / 10
Constant 11.82 ± 0.08
Slope -0.6865 ± 0.0106
E_T [GeV]