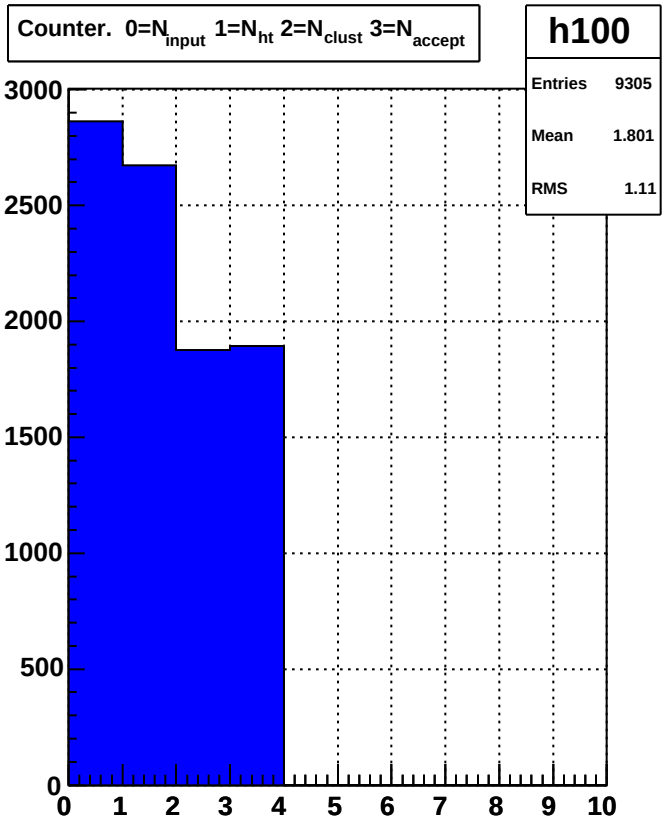
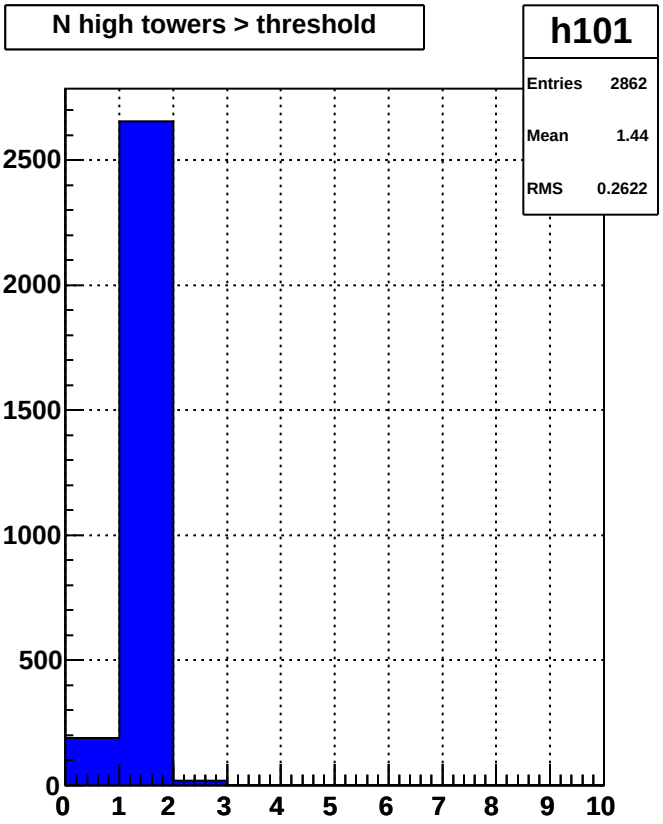
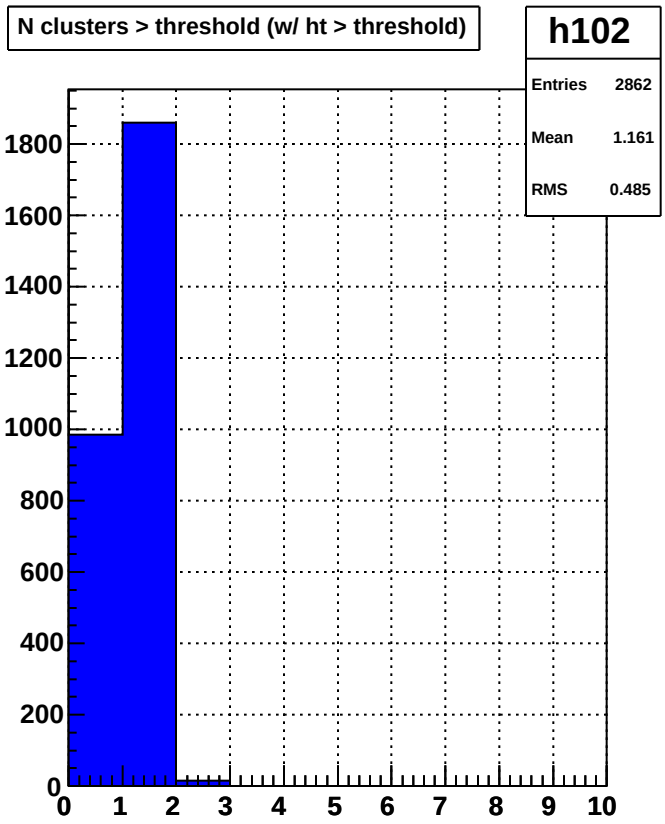
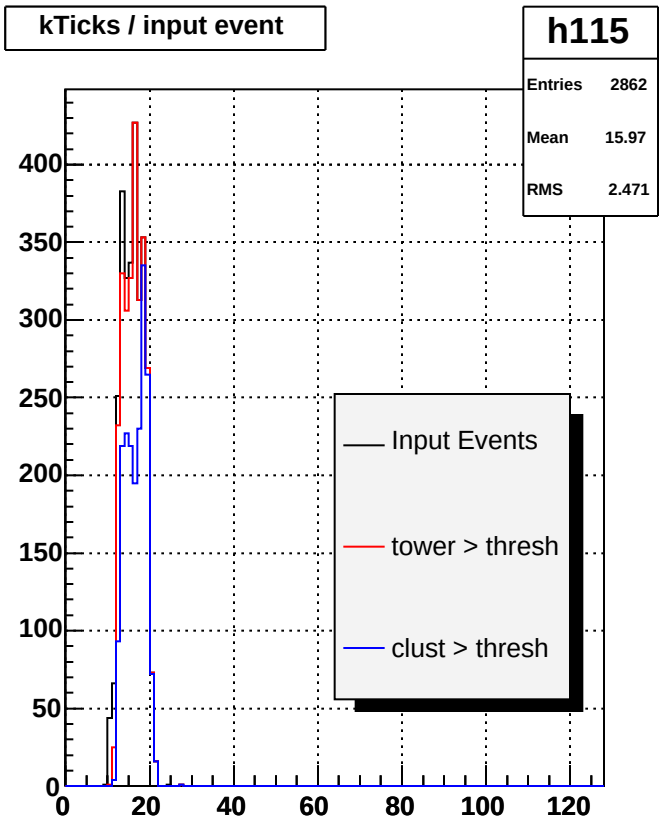
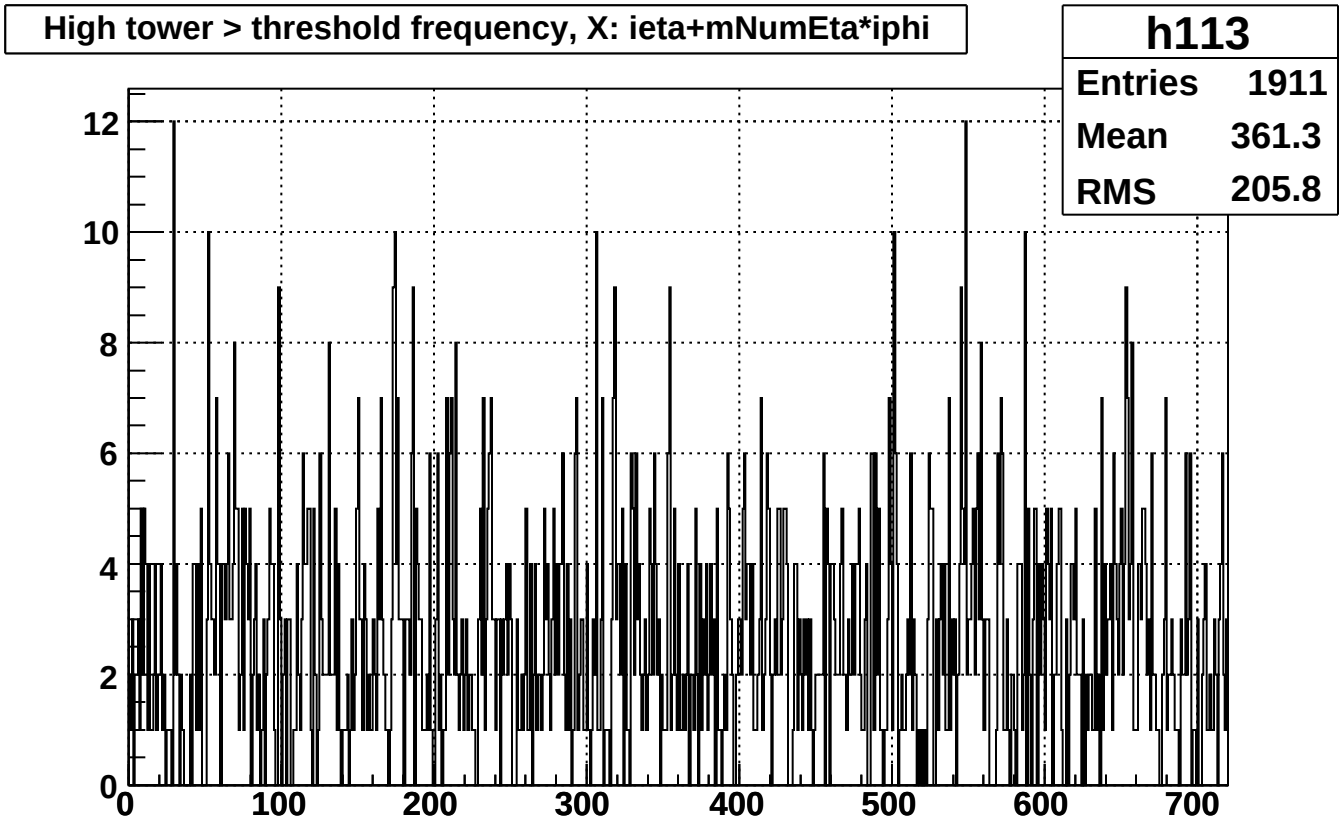
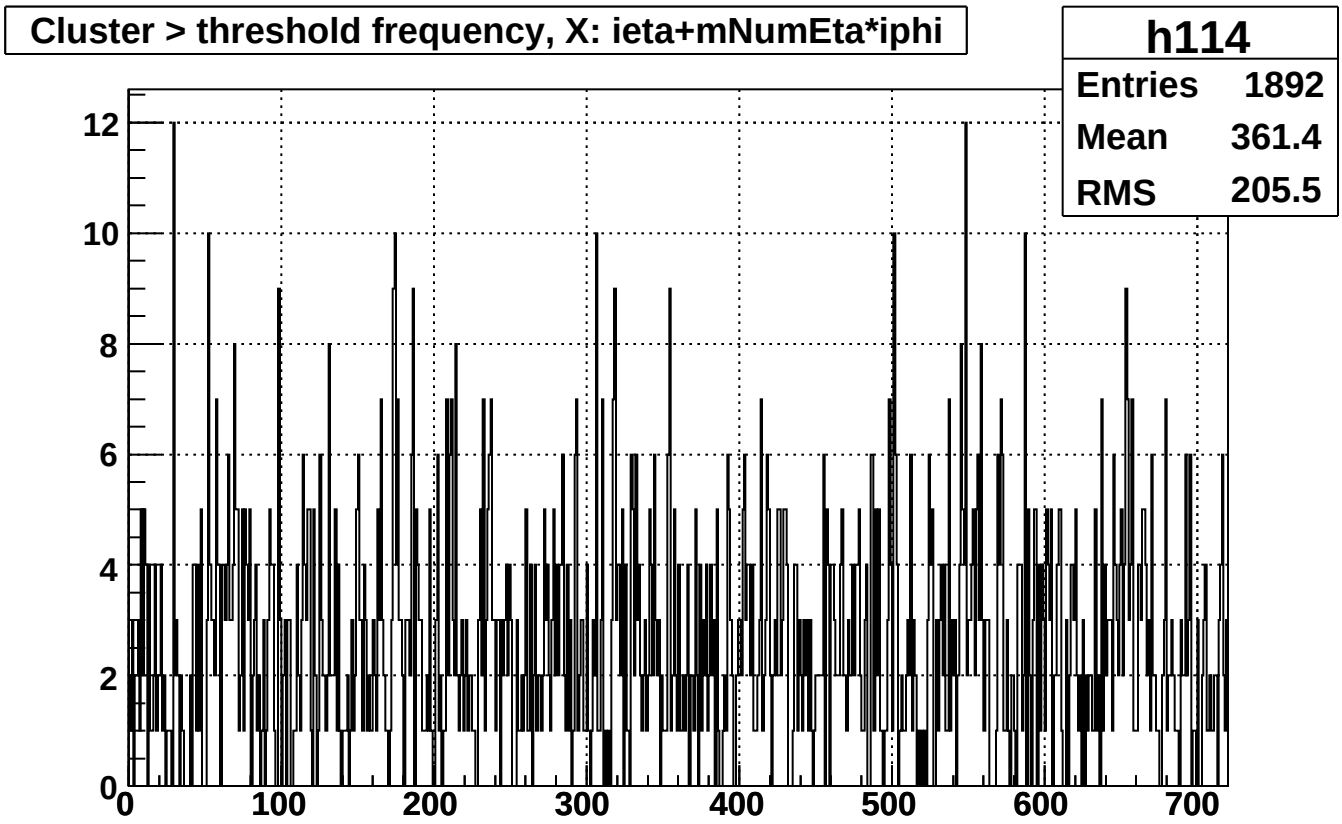

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 9305
Mean 1.801
RMS 1.11

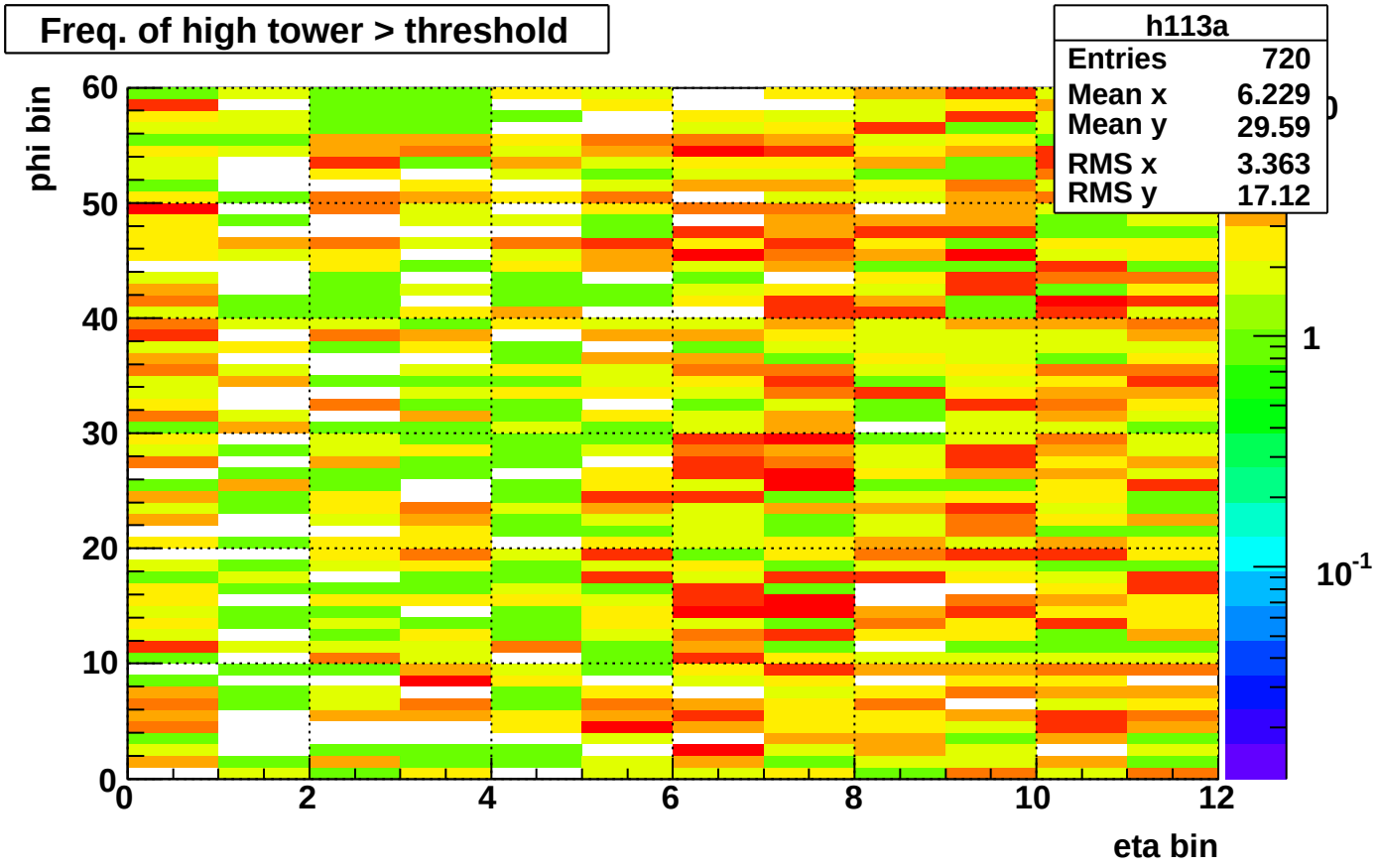

N high towers > threshold
h101
Entries 2862
Mean 1.44
RMS 0.2622

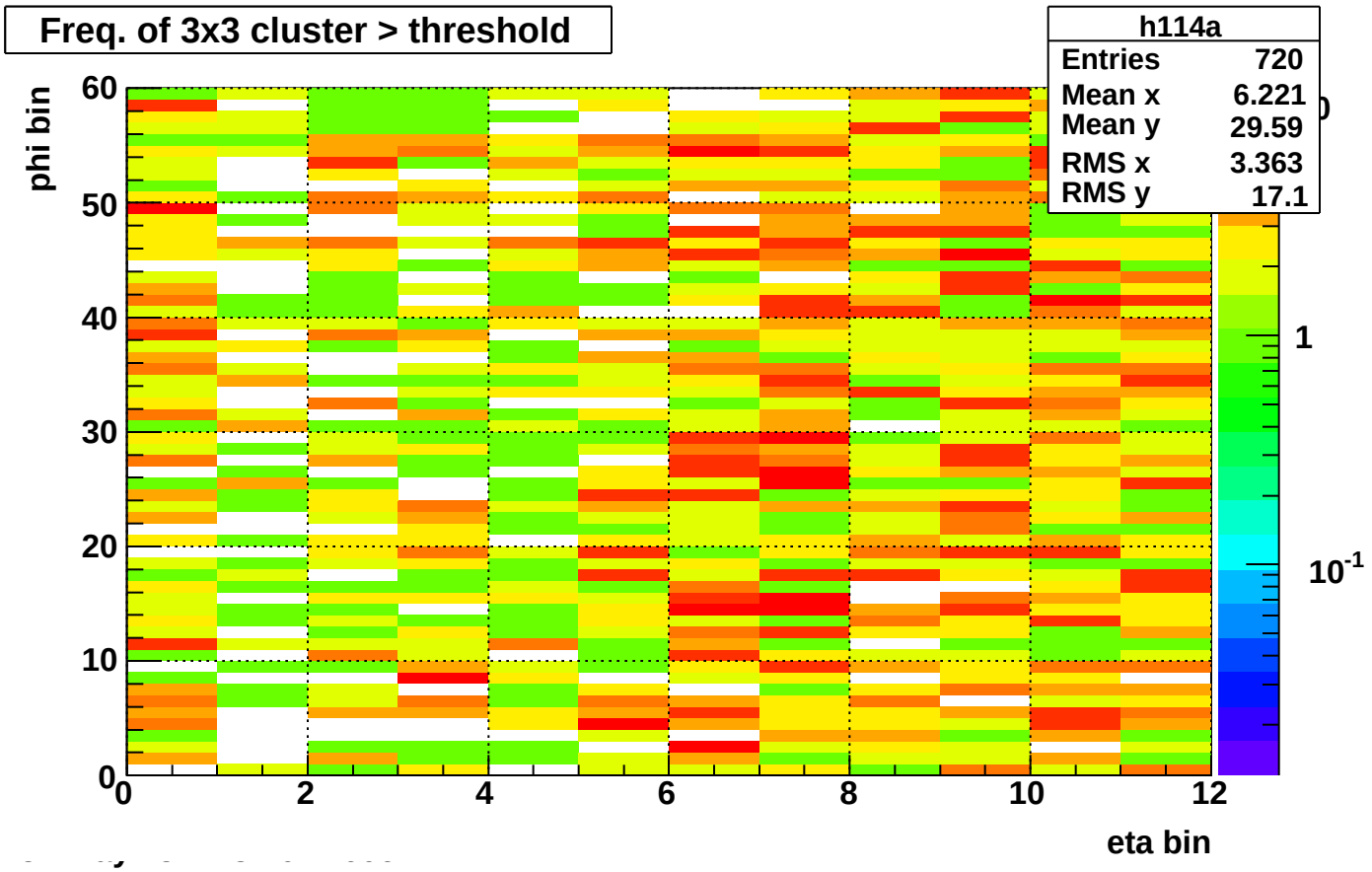

N clusters > threshold (w/ ht > threshold)
h102
Entries 2862
Mean 1.161
RMS 0.485

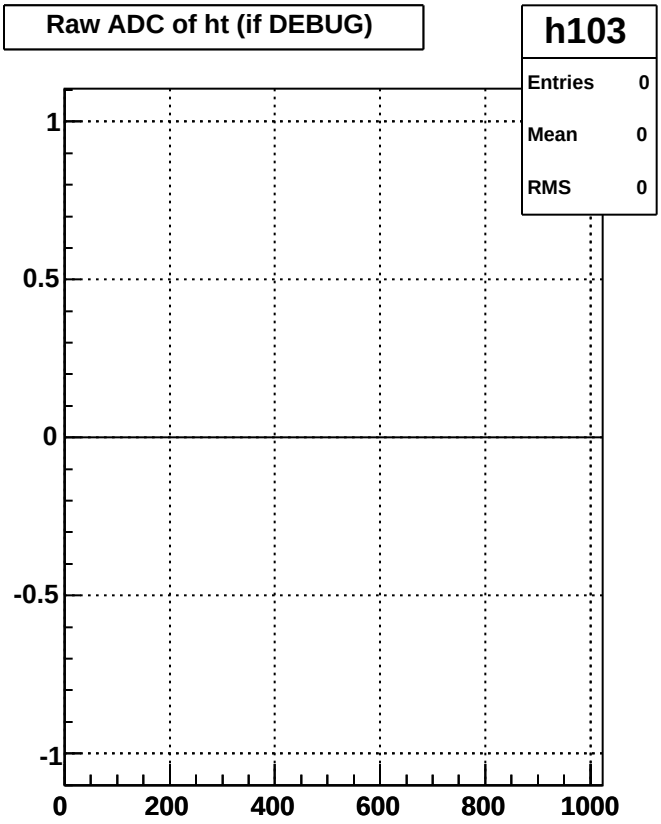

kTicks / input event
h115
Entries 2862
Mean 15.97
RMS 2.471
Input Events
tower > thresh
clust > thresh

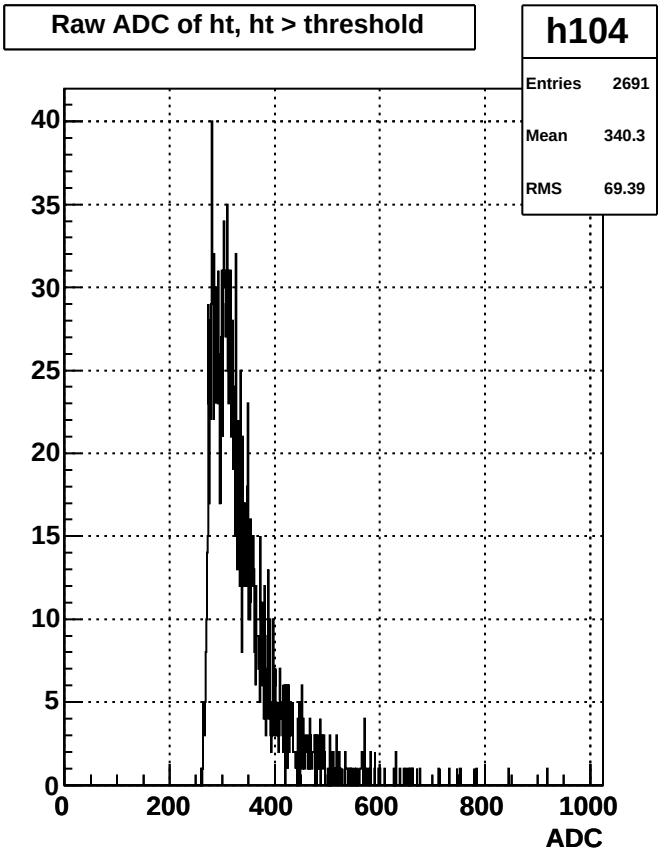

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1911
Mean 361.3
RMS 205.8
0
2
4
6
8
10
12
0
100
200
300
400
500
600
700

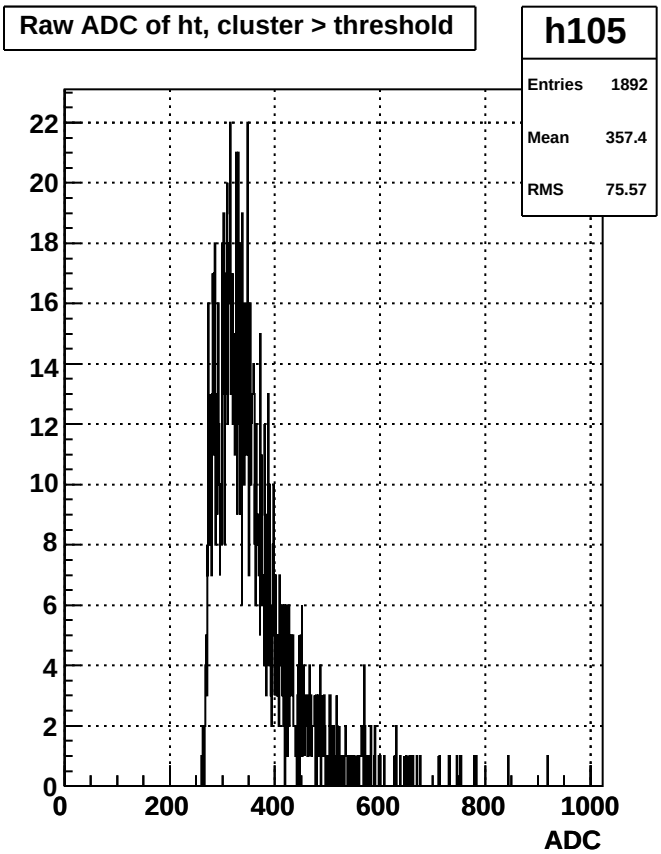

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1892
Mean 361.4
RMS 205.5
0
2
4
6
8
10
12
0
100
200
300
400
500
600
700

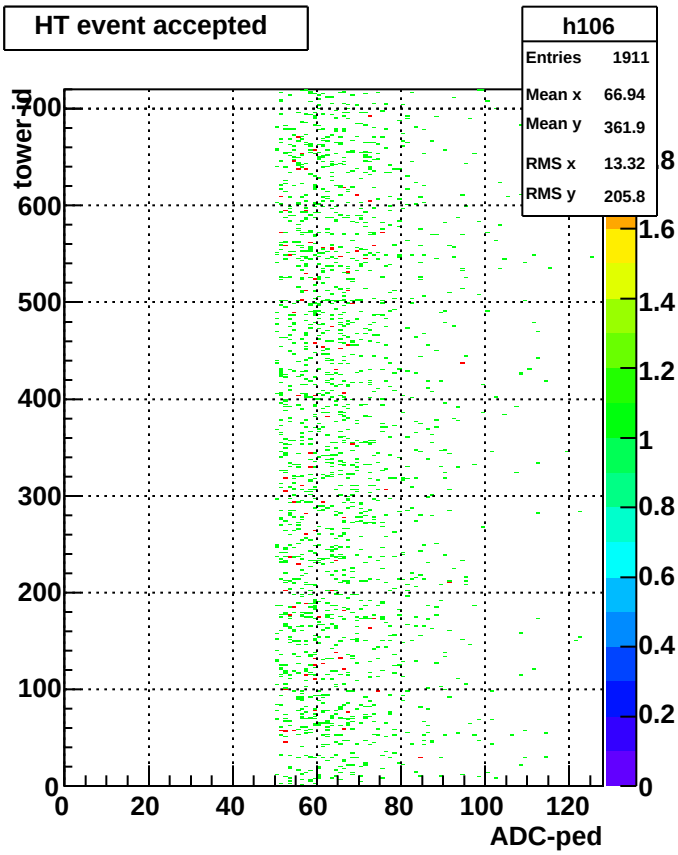

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.229
Mean y 29.59
RMS x 3.363
RMS y 17.12
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

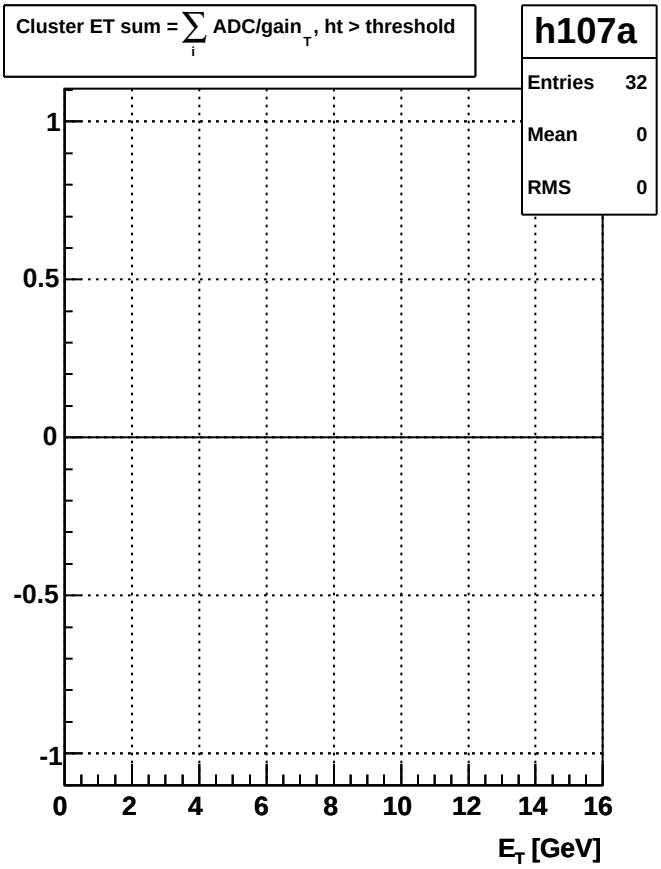

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.221
Mean y 29.59
RMS x 3.363
RMS y 17.1
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

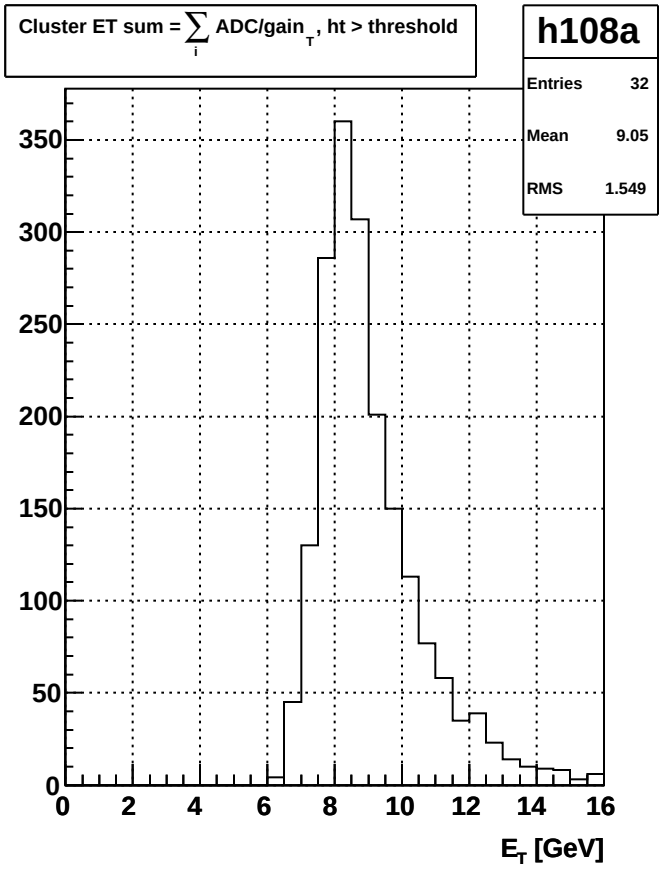

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

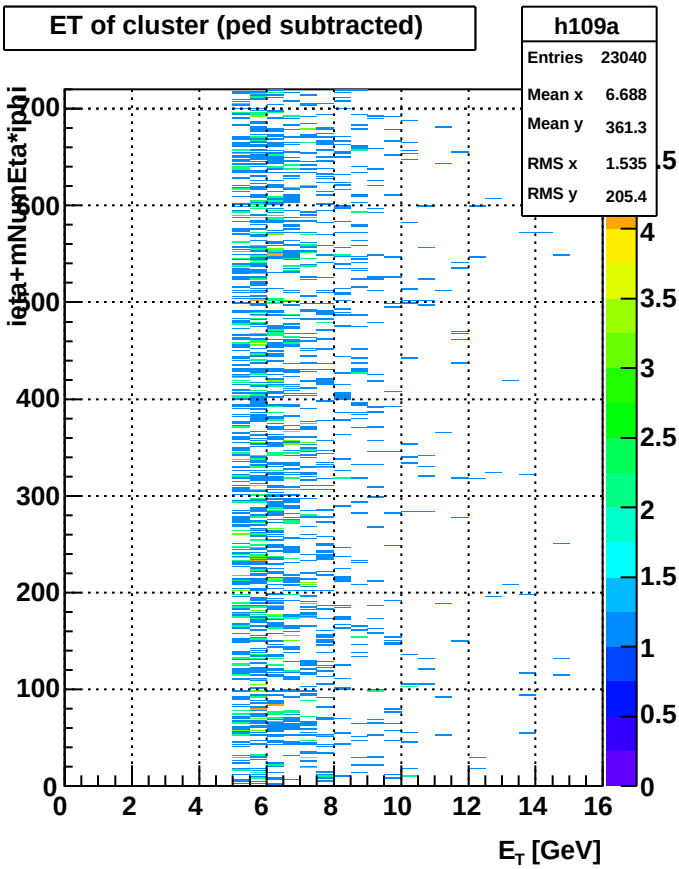

Raw ADC of ht, ht > threshold
h104
Entries 2691
Mean 340.3
RMS 69.39
40
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC

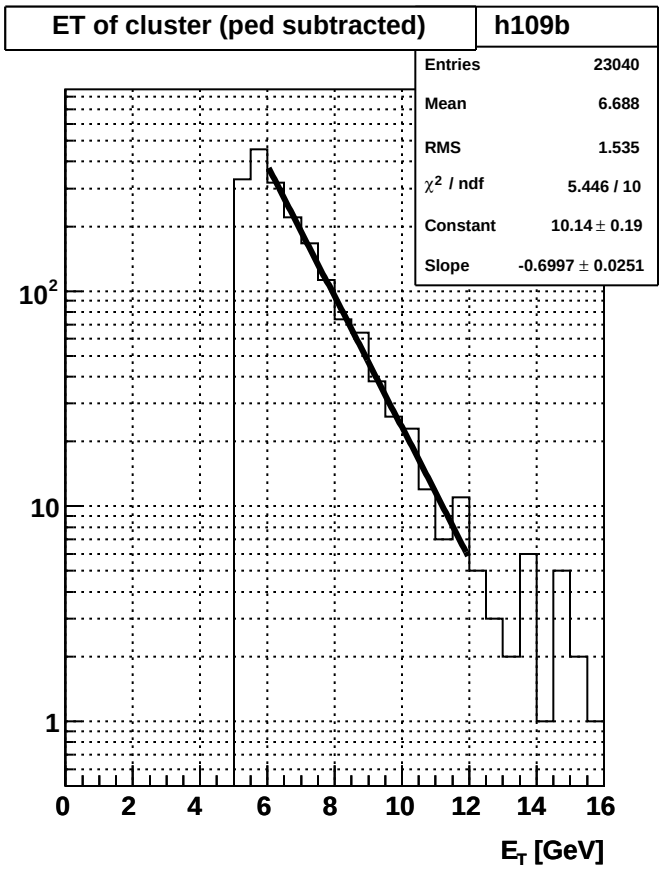

Raw ADC of ht, cluster > threshold
h105
Entries 1892
Mean 357.4
RMS 75.57
22
20
18
16
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1911
Mean x 66.94
Mean y 361.9
RMS x 13.32
RMS y 205.8
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
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 9.05
RMS 1.549
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.688
Mean y 361.3
RMS x 1.535
RMS y 205.4
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.688
RMS 1.535
χ^2 / ndf 5.446 / 10
Constant 10.14 ± 0.19
Slope -0.6997 ± 0.0251
E_T [GeV]