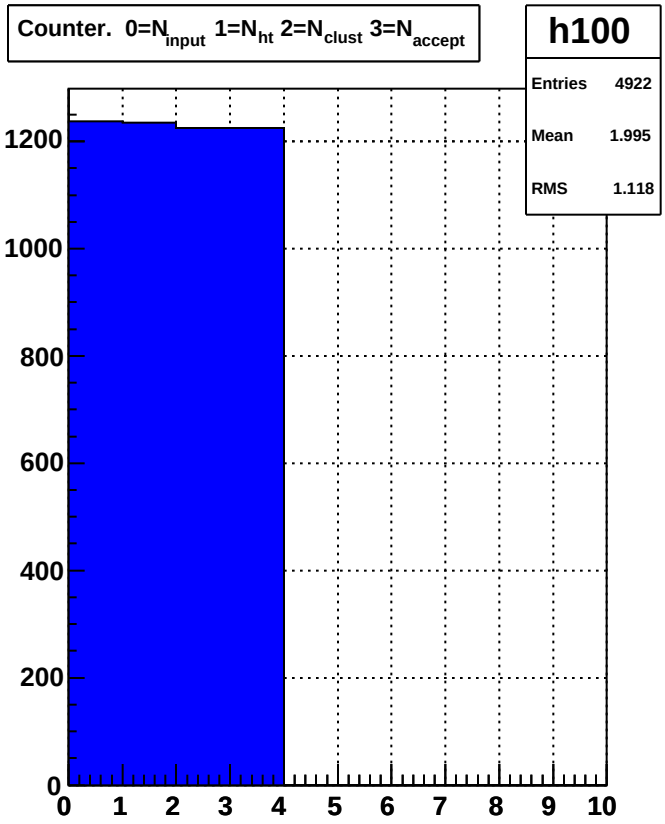
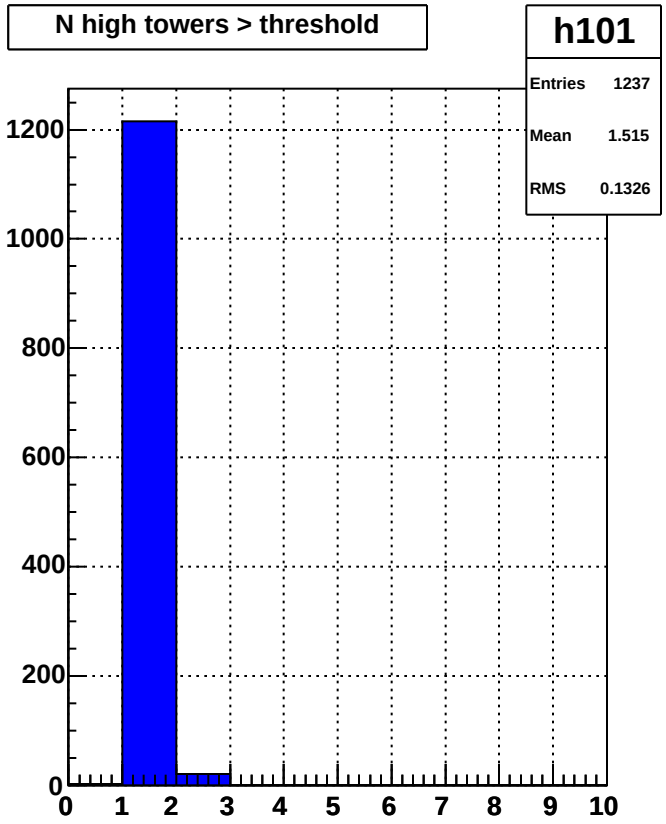
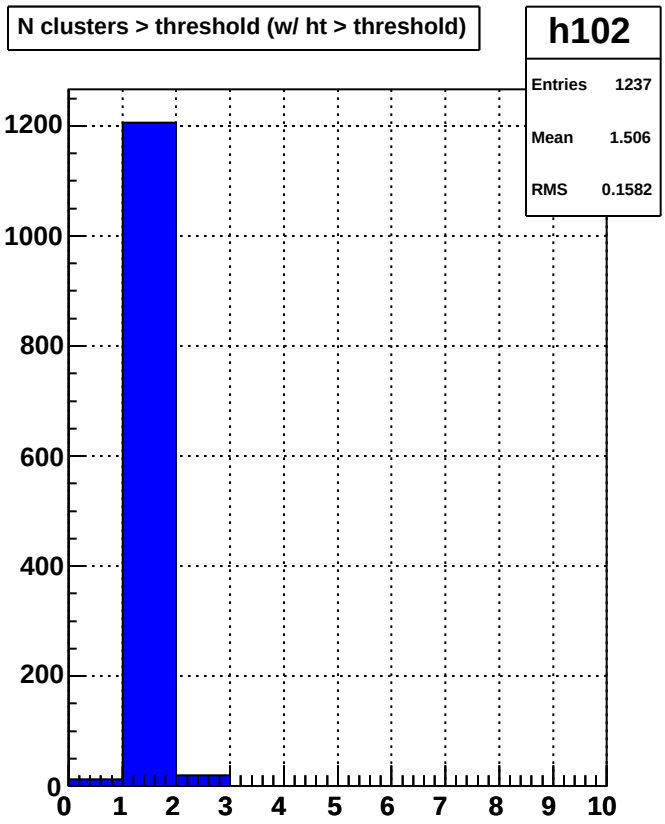
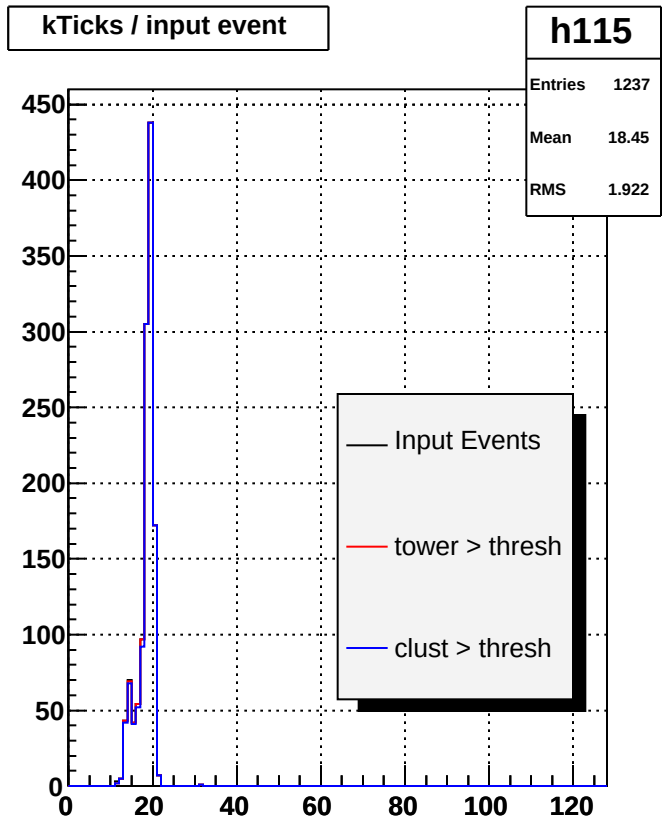
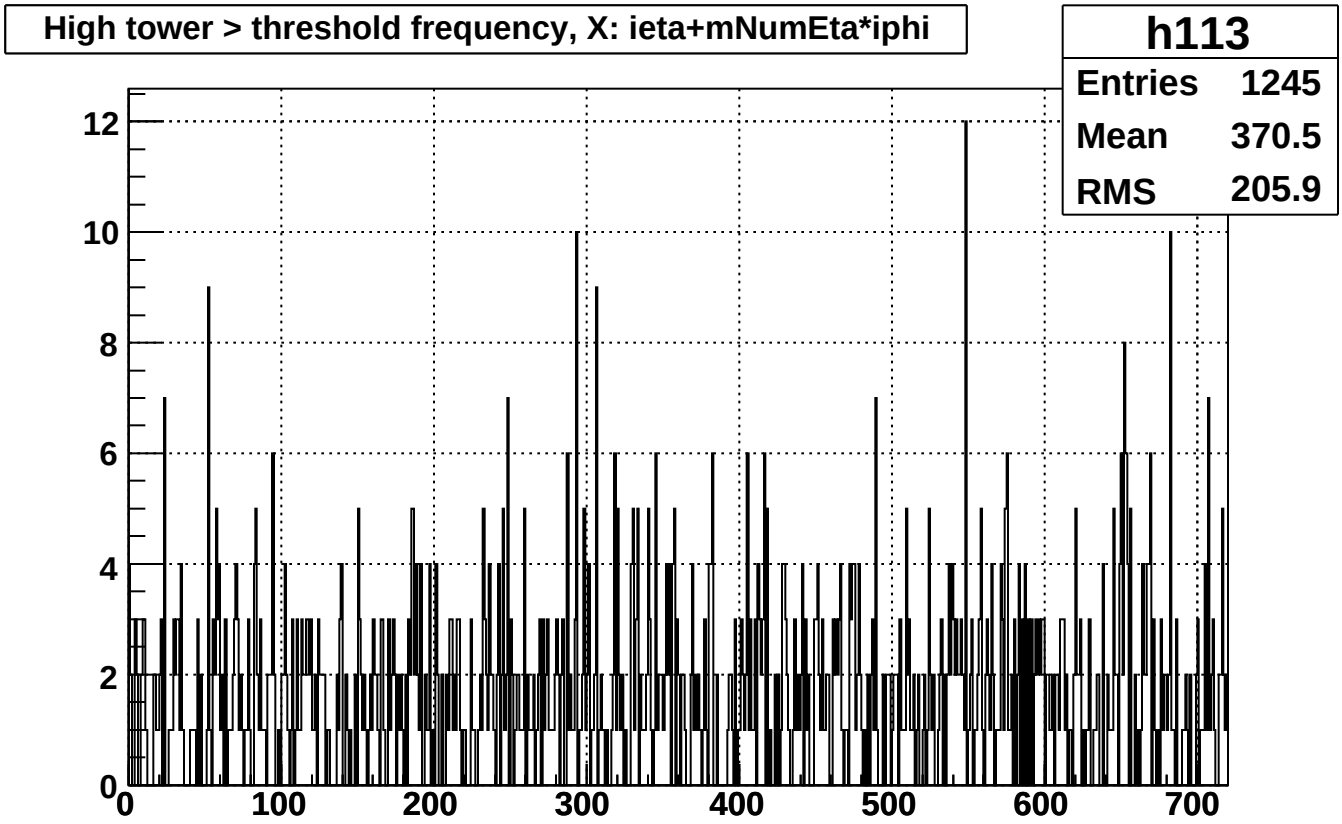
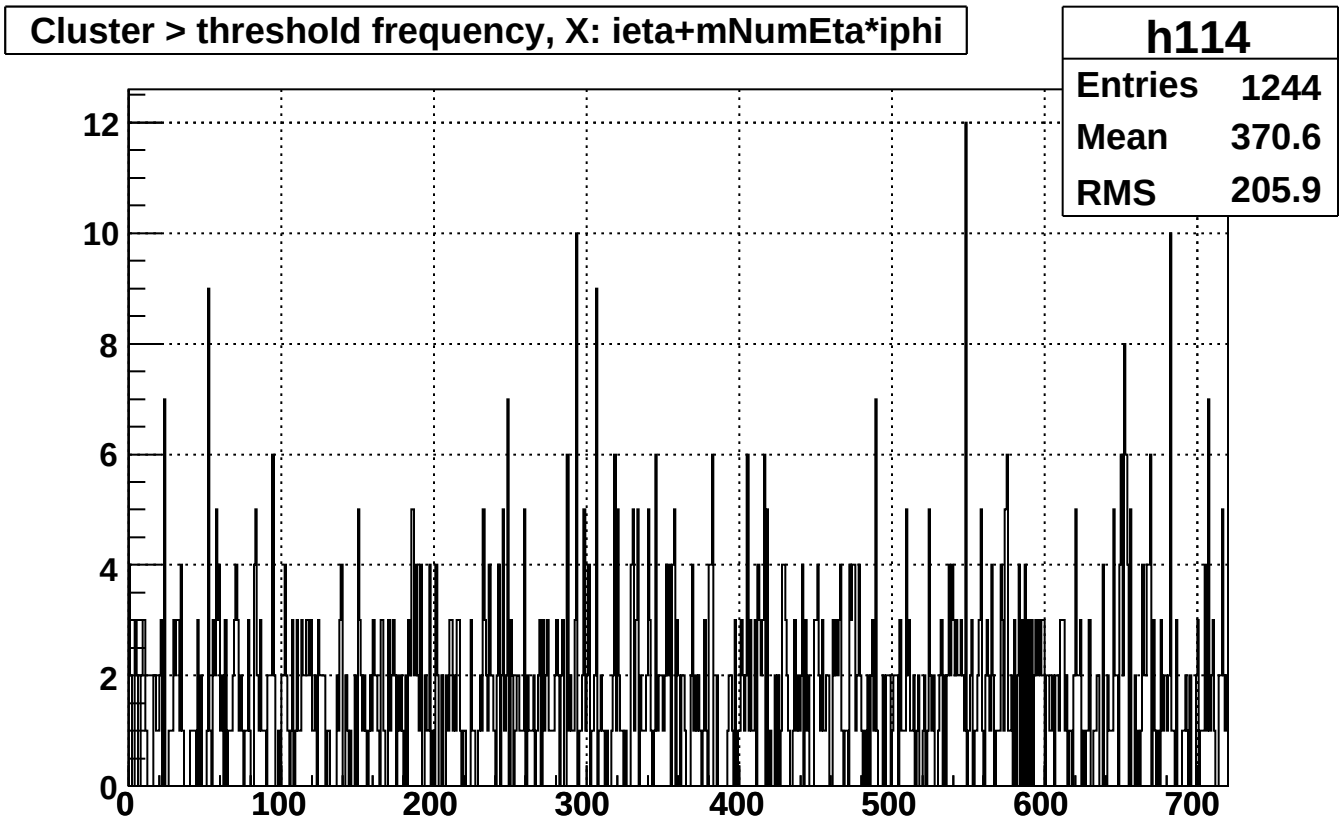

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 4922
Mean 1.995
RMS 1.118

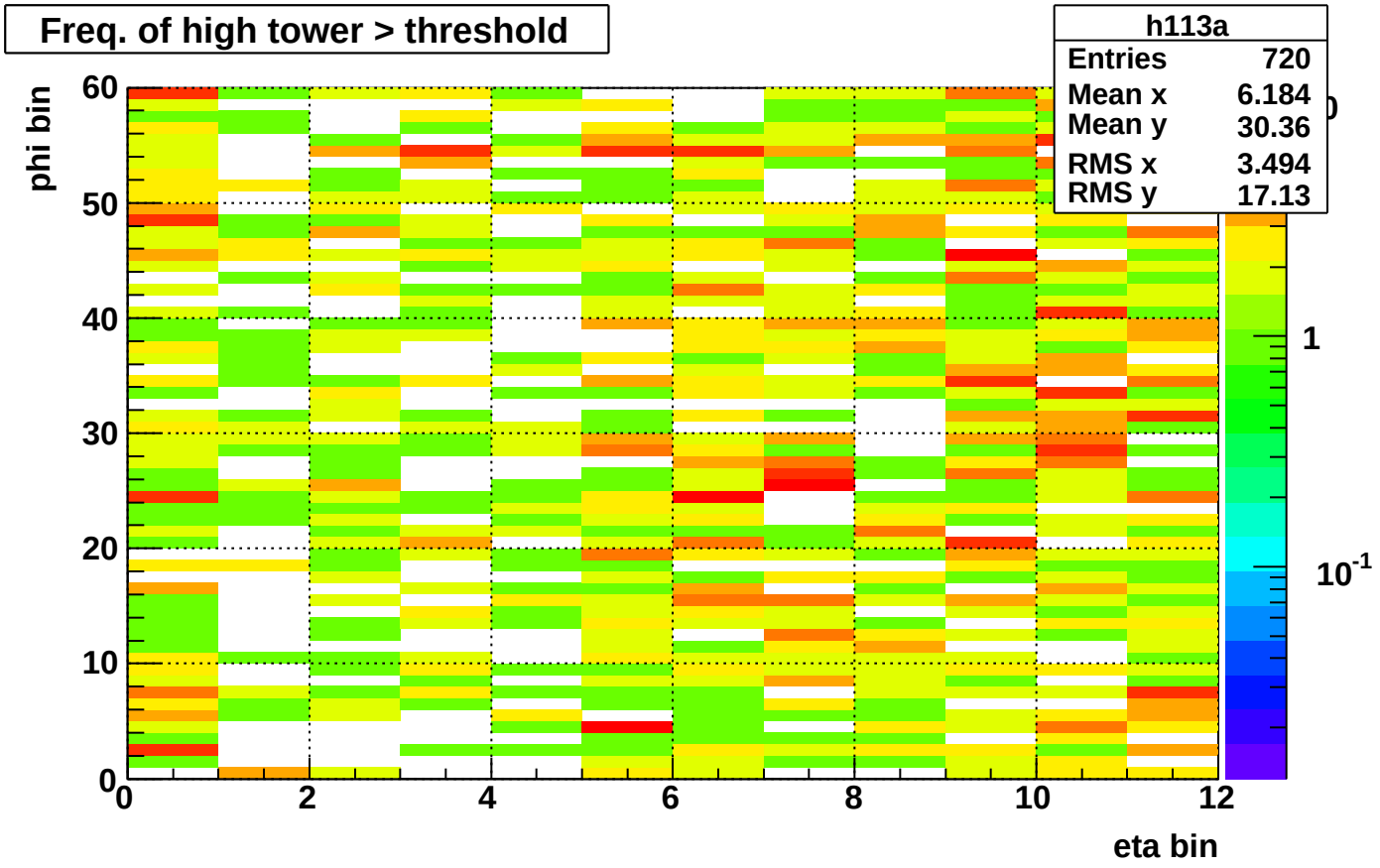

N high towers > threshold
h101
Entries 1237
Mean 1.515
RMS 0.1326

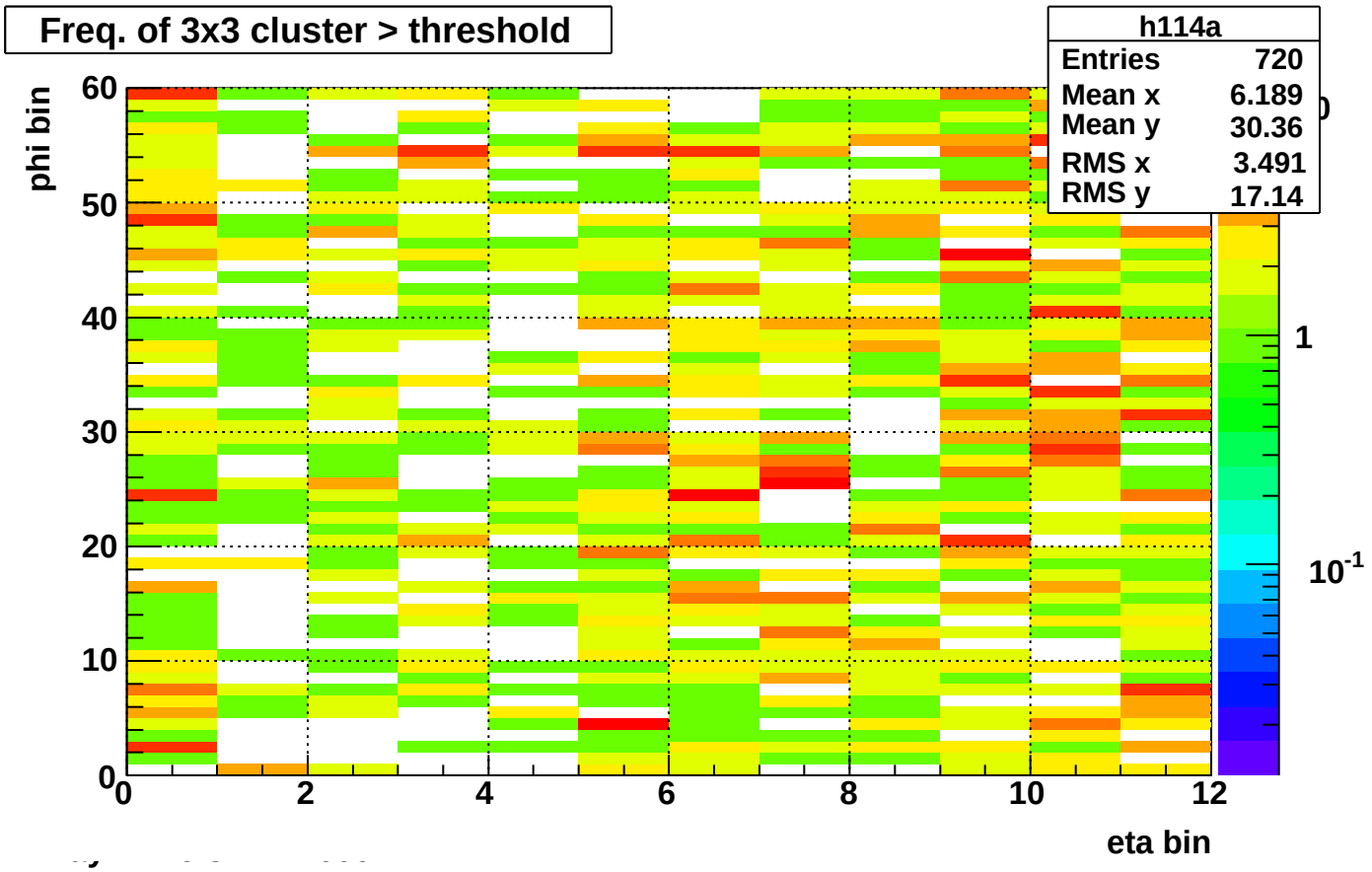

N clusters > threshold (w/ ht > threshold)
h102
Entries 1237
Mean 1.506
RMS 0.1582

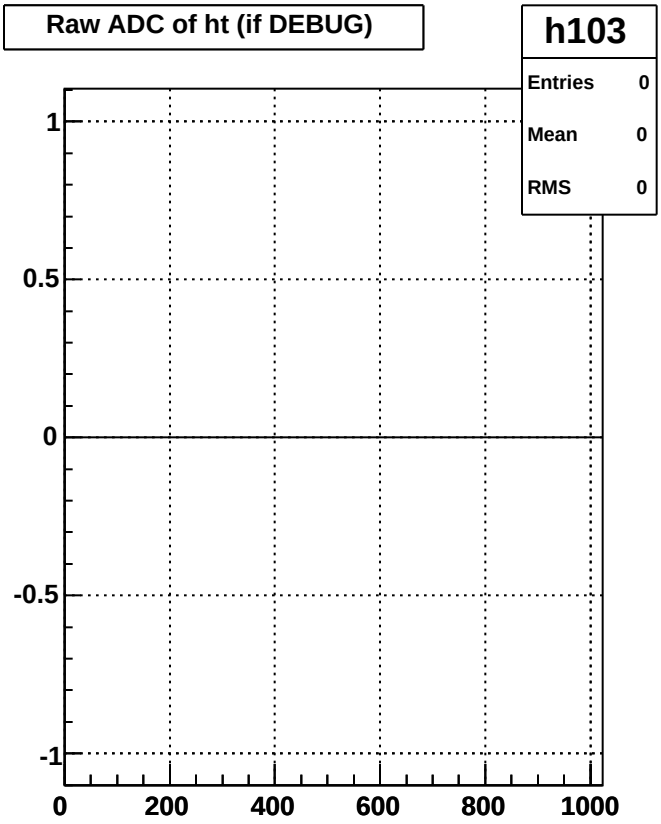

kTicks / input event
h115
Entries 1237
Mean 18.45
RMS 1.922
Input Events
tower > thresh
clust > thresh

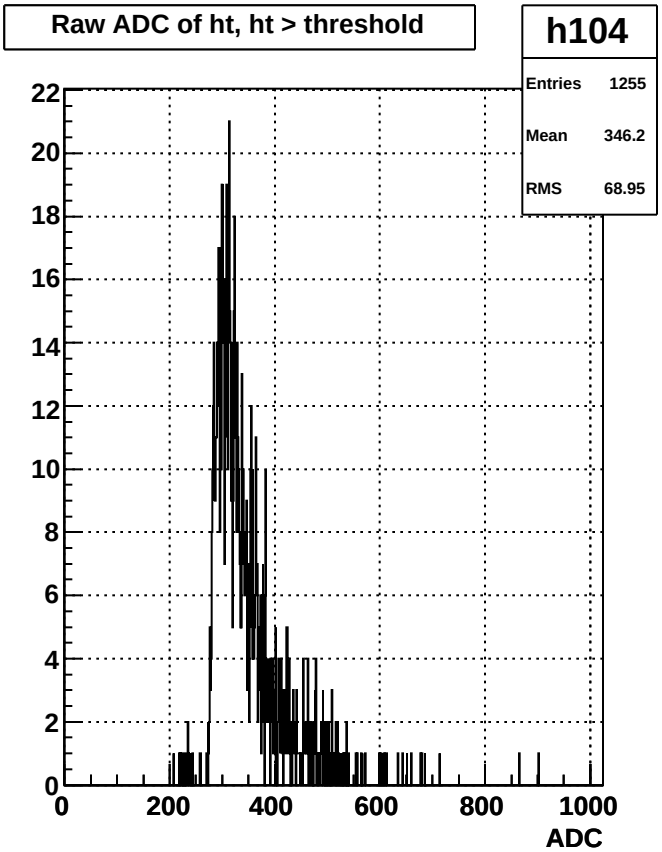

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1245
Mean 370.5
RMS 205.9
0
2
4
6
8
10
12
0
100
200
300
400
500
600
700

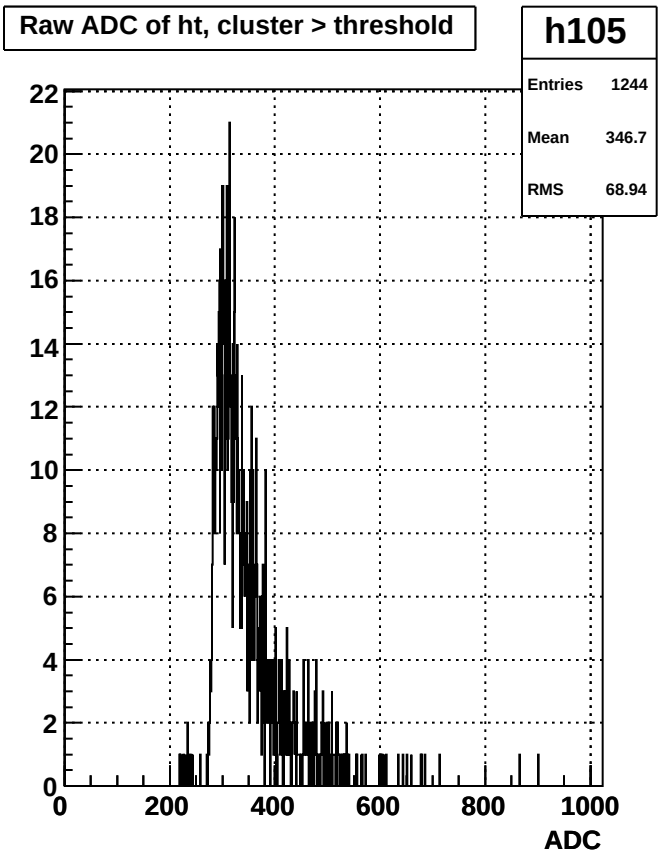

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1244
Mean 370.6
RMS 205.9
0
2
4
6
8
10
12
0
100
200
300
400
500
600
700

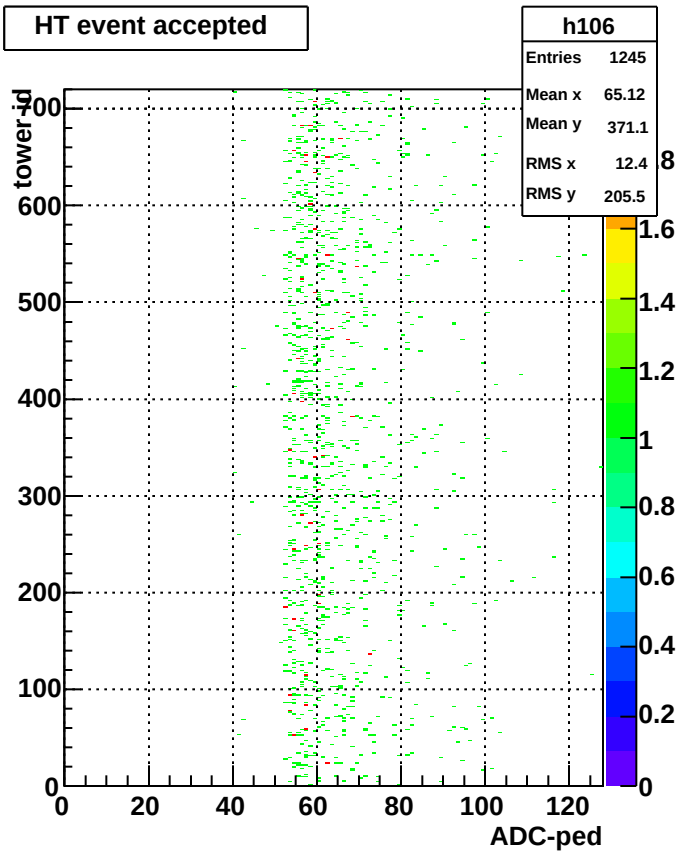

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.184
Mean y 30.36
RMS x 3.494
RMS y 17.13
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

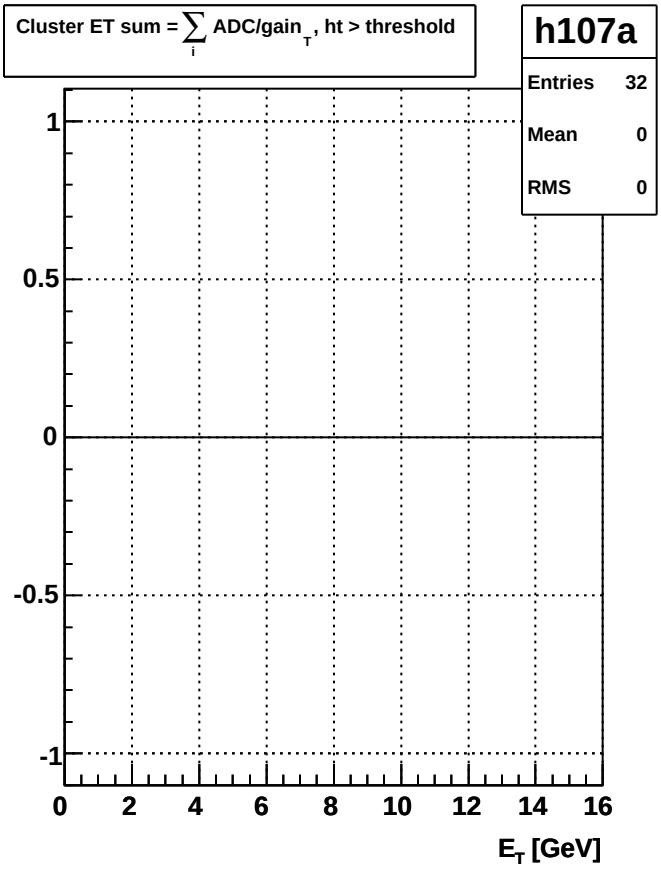

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.189
Mean y 30.36
RMS x 3.491
RMS y 17.14
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

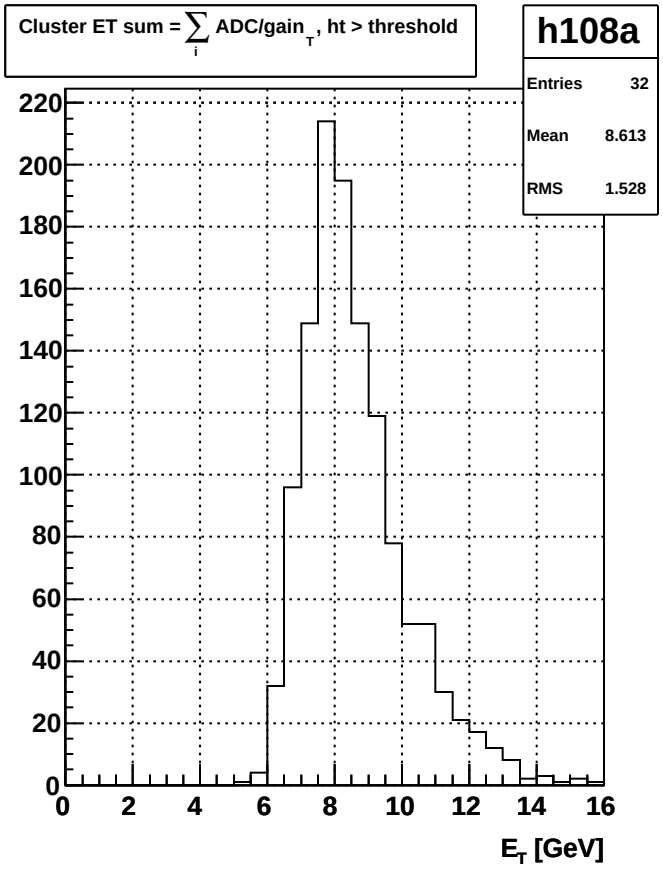

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

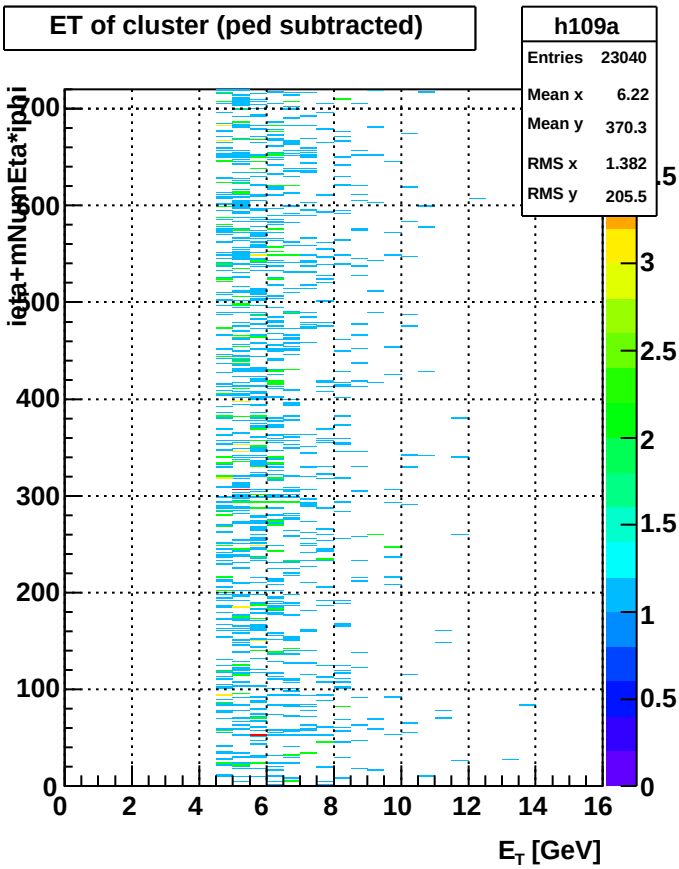

Raw ADC of ht, ht > threshold
h104
Entries 1255
Mean 346.2
RMS 68.95
22
20
18
16
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
ADC

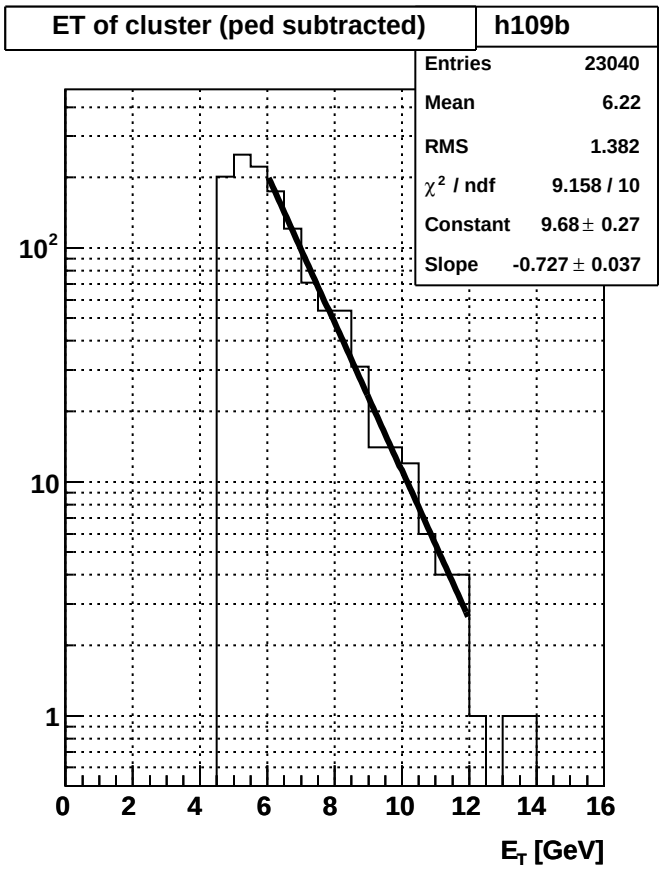

Raw ADC of ht, cluster > threshold
h105
Entries 1244
Mean 346.7
RMS 68.94
22
20
18
16
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1245
Mean x 65.12
Mean y 371.1
RMS x 12.4
RMS y 205.5
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 8.613
RMS 1.528
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.22
Mean y 370.3
RMS x 1.382
RMS y 205.5
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.22
RMS 1.382
χ^2 / ndf 9.158 / 10
Constant 9.68 ± 0.27
Slope -0.727 ± 0.037
E_T [GeV]