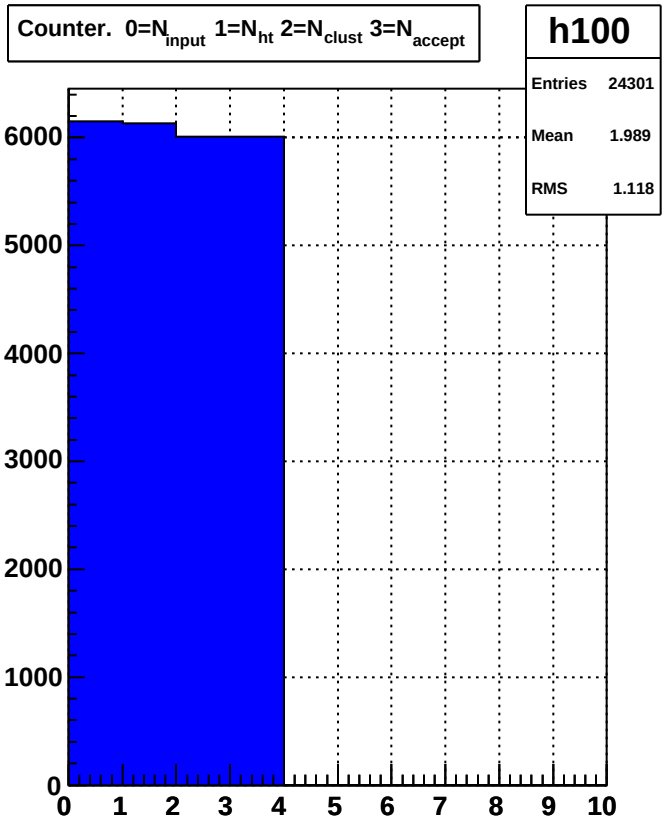
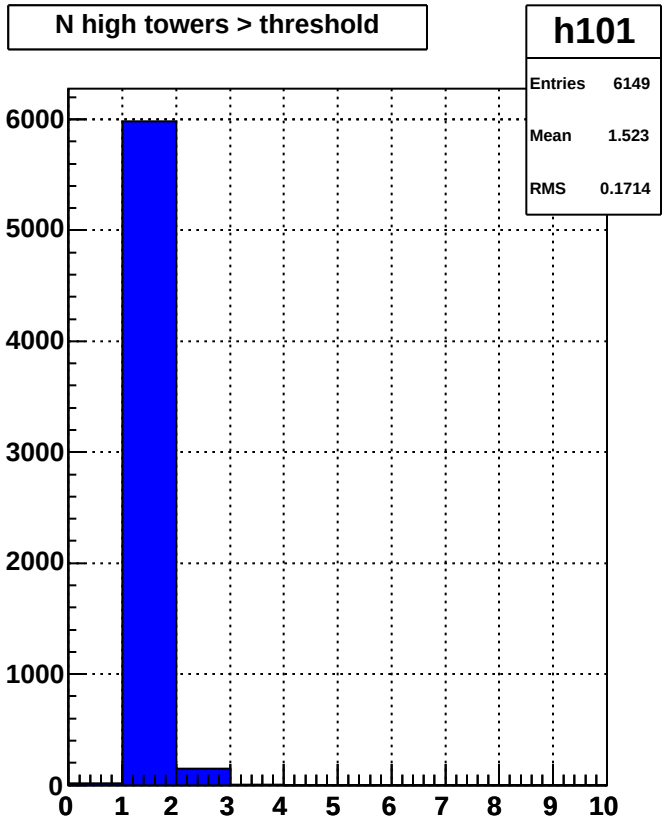
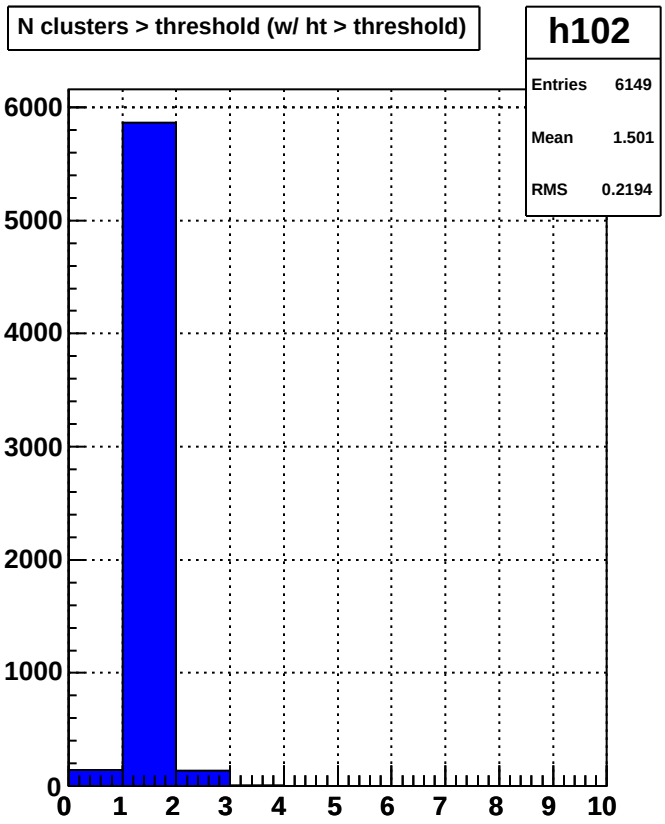
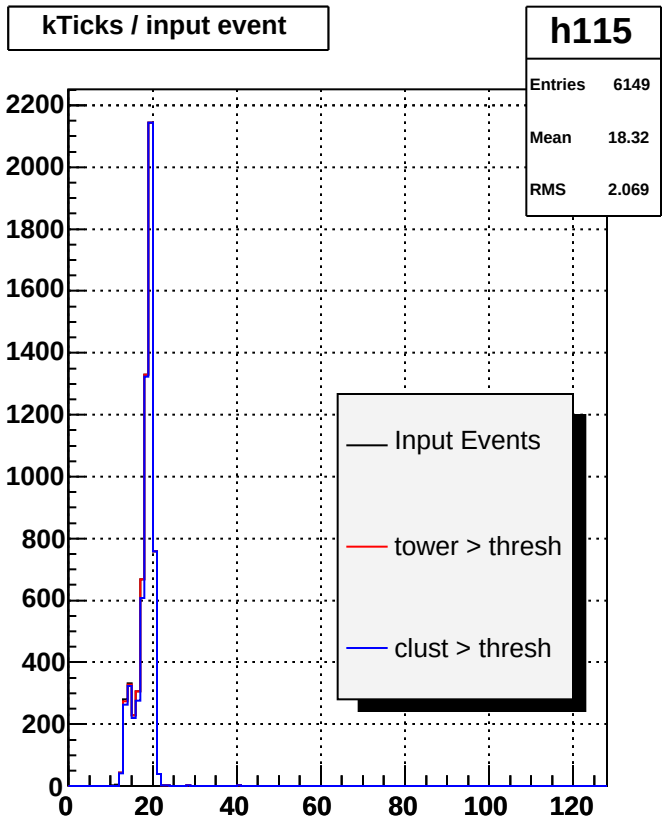
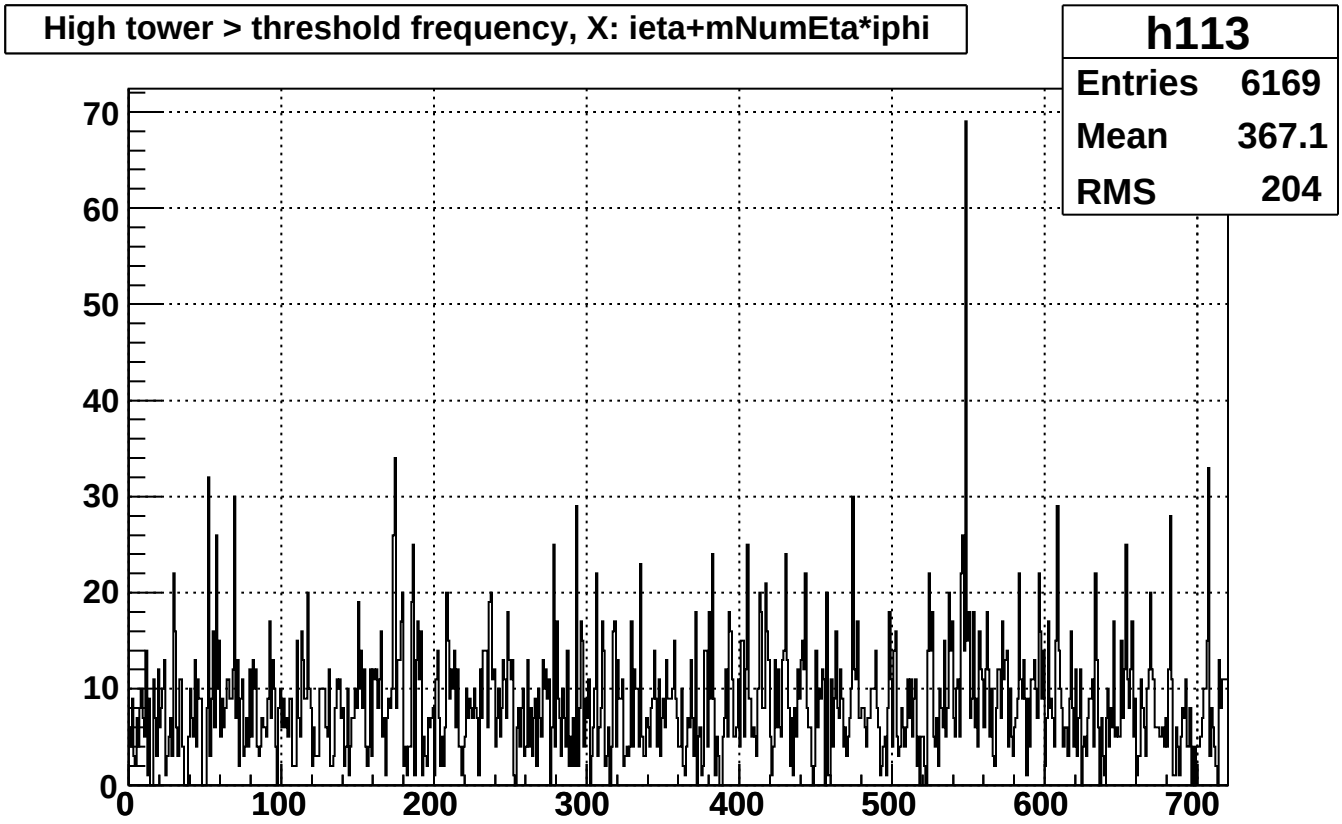
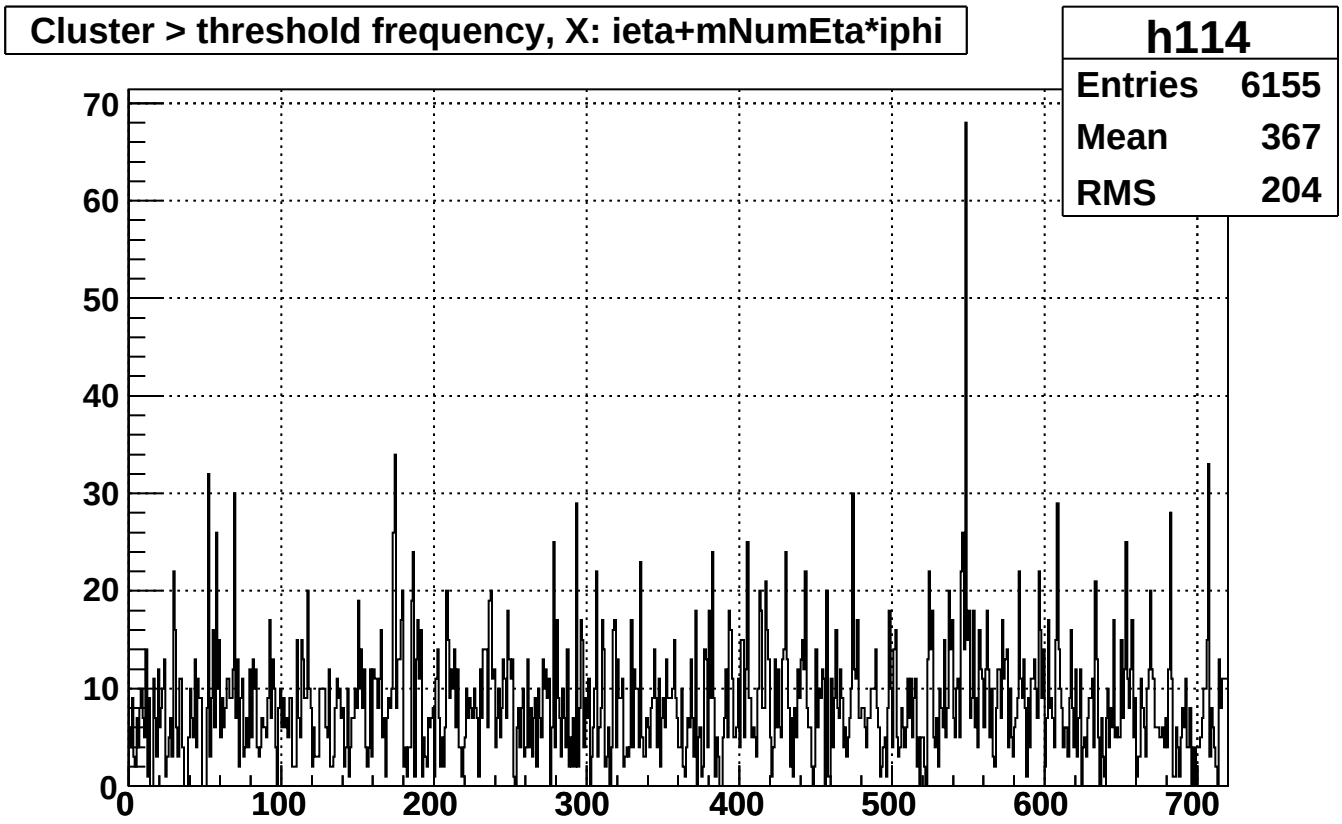

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 24301
Mean 1.989
RMS 1.118

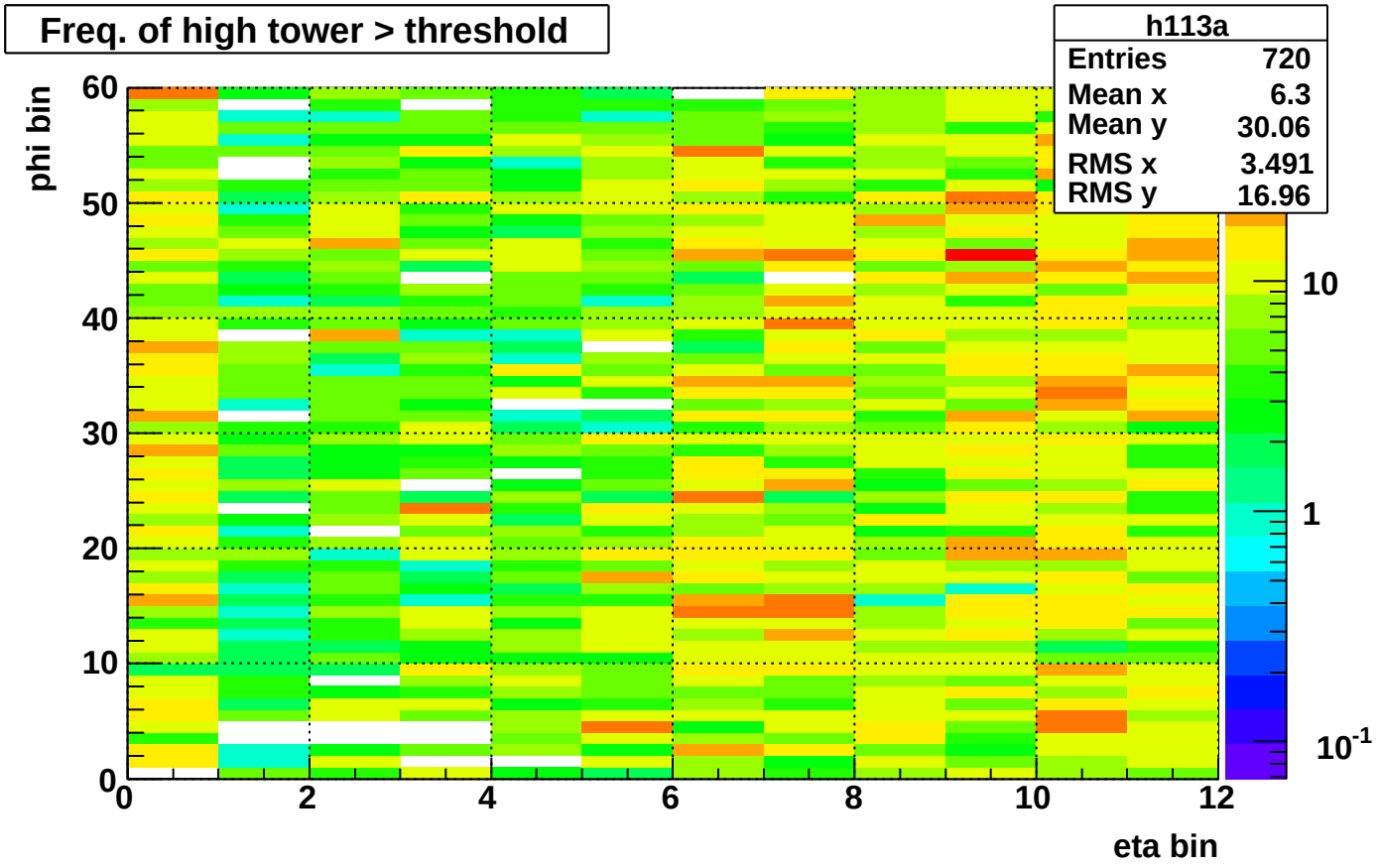

N high towers > threshold
h101
Entries 6149
Mean 1.523
RMS 0.1714

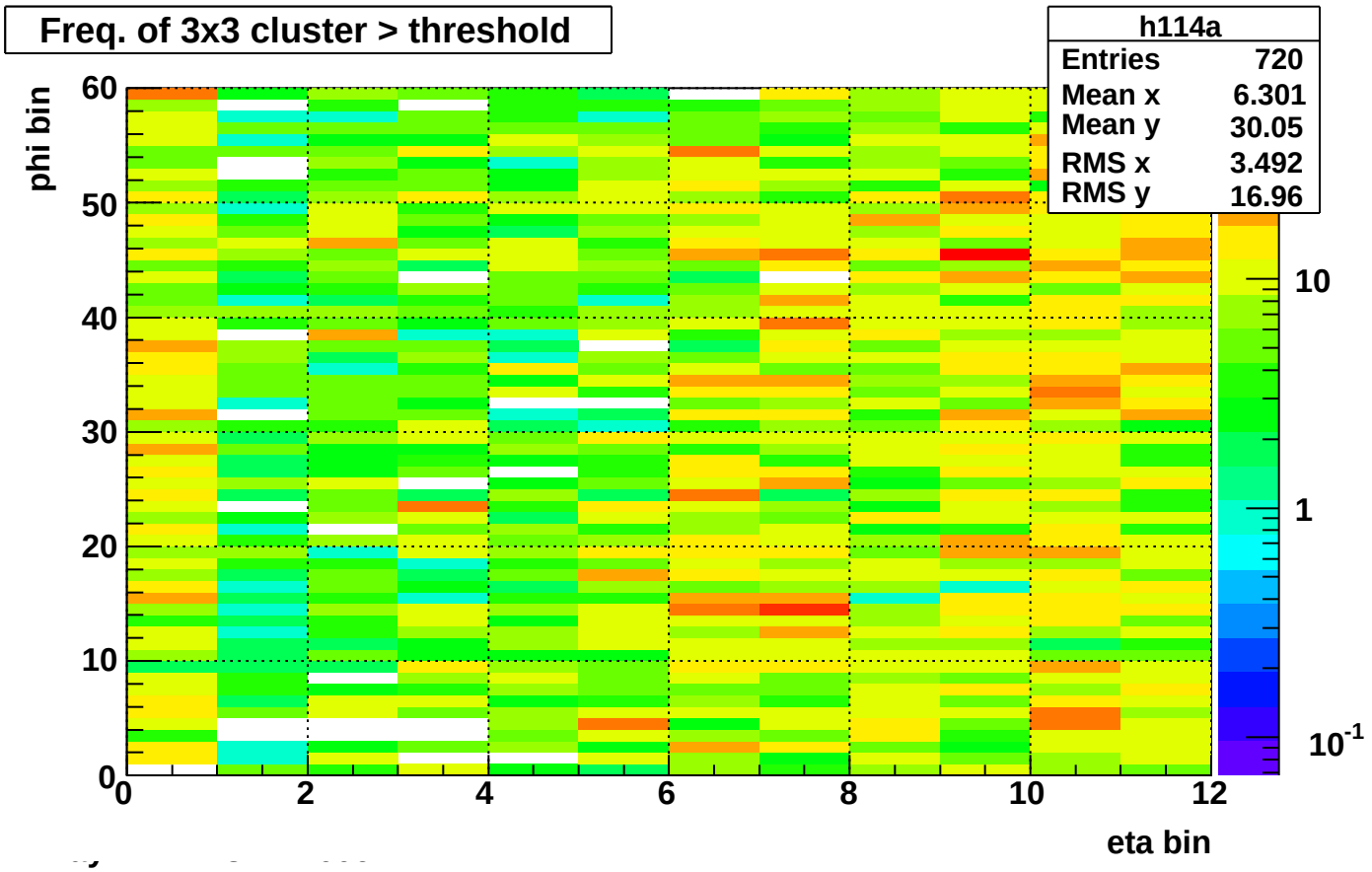

N clusters > threshold (w/ ht > threshold)
h102
Entries 6149
Mean 1.501
RMS 0.2194

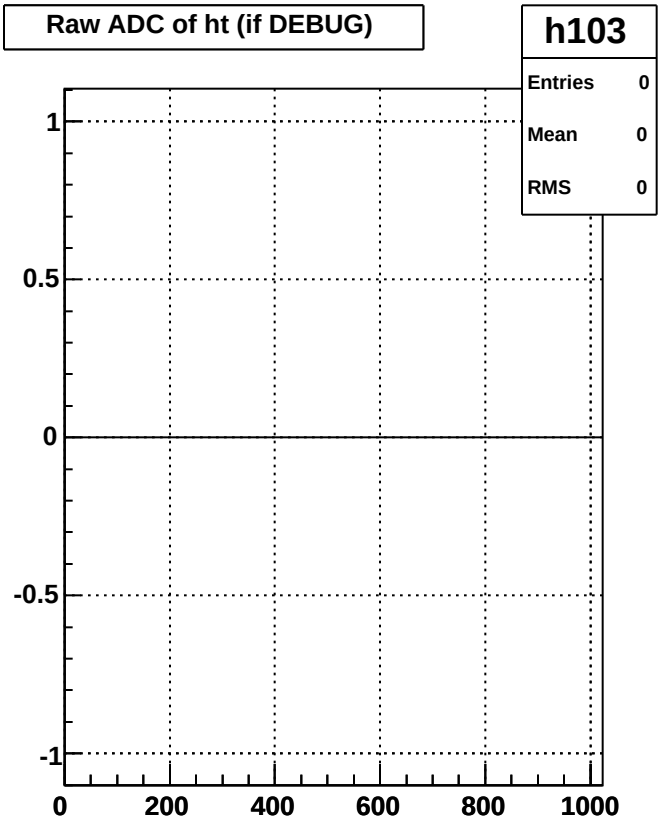

kTicks / input event
h115
Entries 6149
Mean 18.32
RMS 2.069
Input Events
tower > thresh
clust > thresh

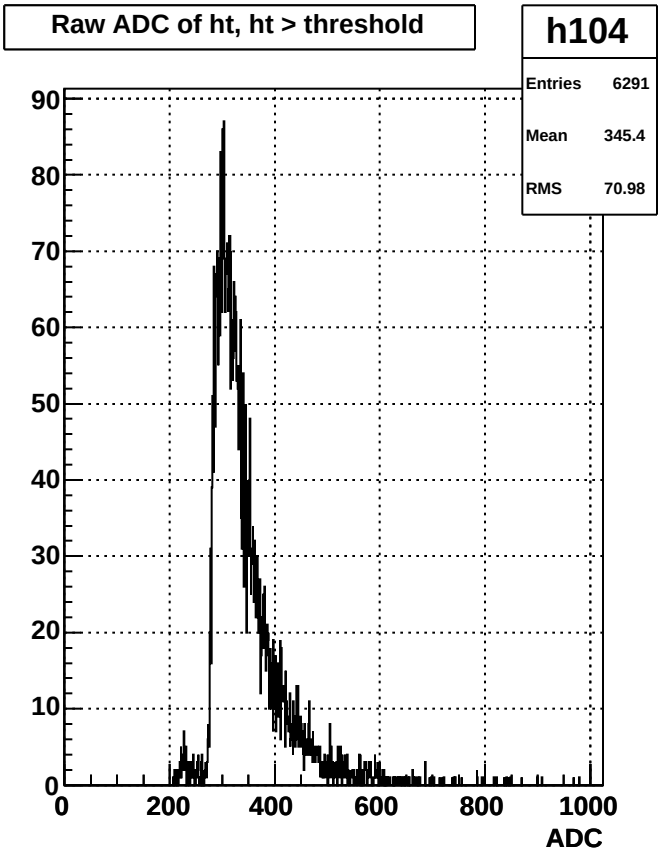

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 6169
Mean 367.1
RMS 204
0
10
20
30
40
50
60
70
0
100
200
300
400
500
600
700

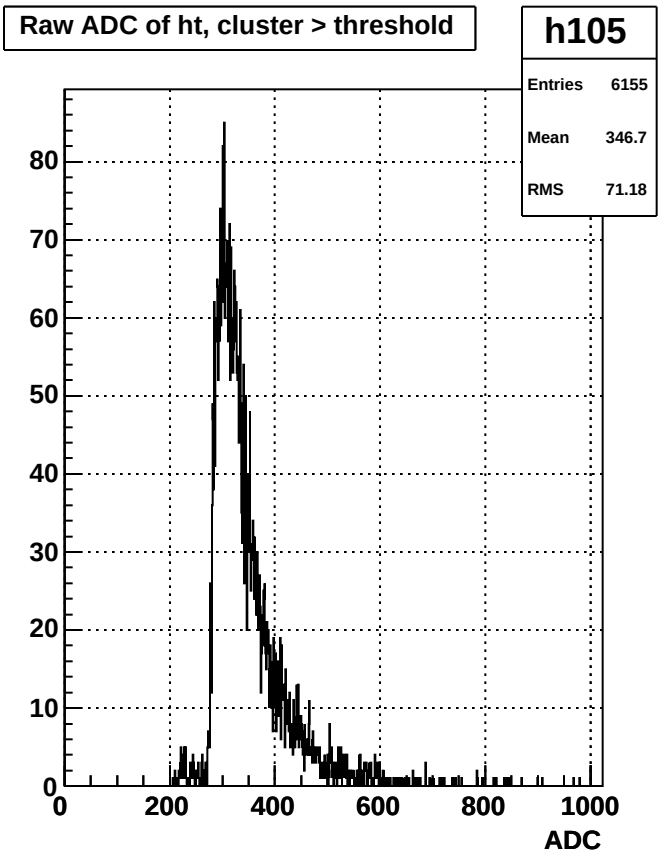

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 6155
Mean 367
RMS 204
0
10
20
30
40
50
60
70
0
100
200
300
400
500
600
700

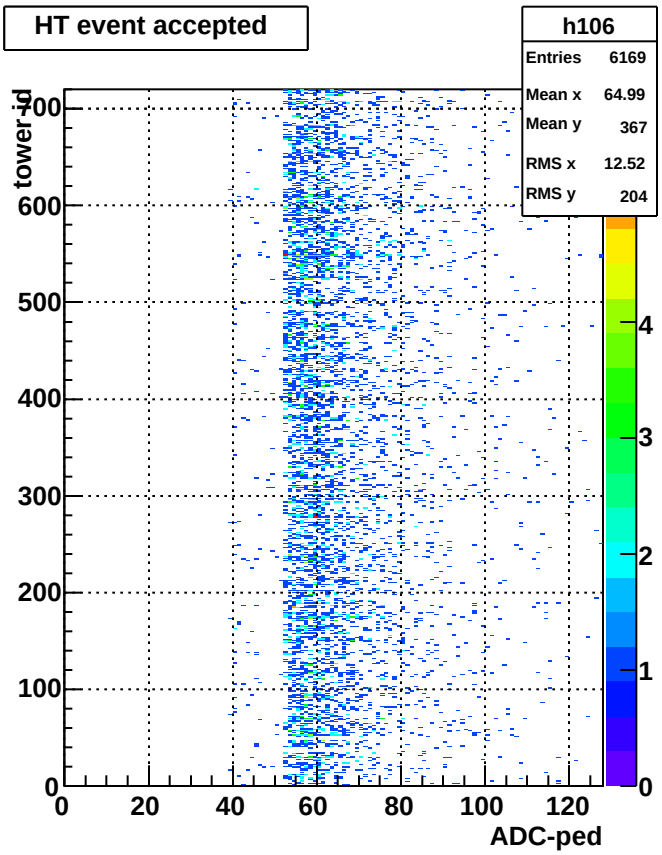

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.3
Mean y 30.06
RMS x 3.491
RMS y 16.96
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

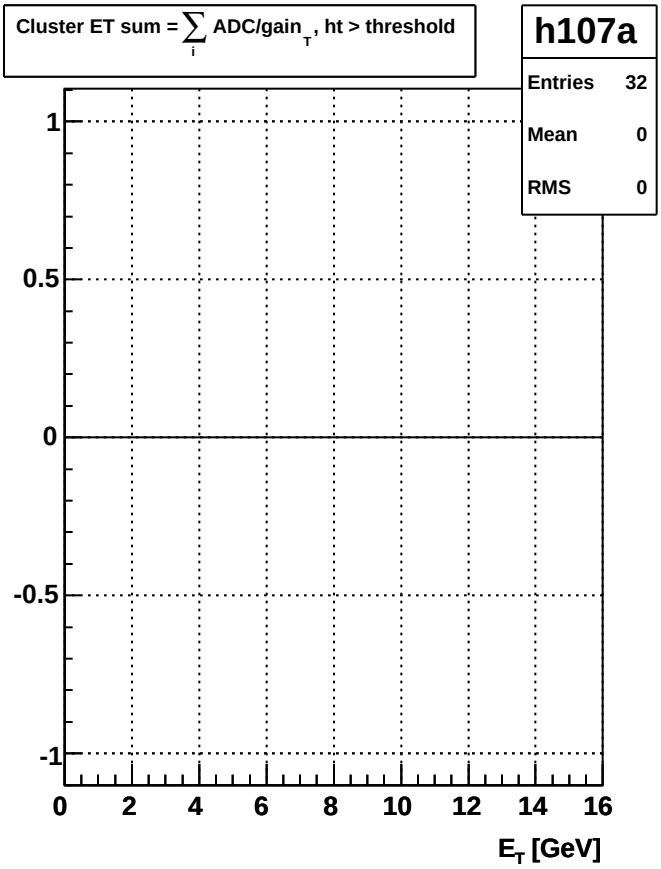

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.301
Mean y 30.05
RMS x 3.492
RMS y 16.96
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

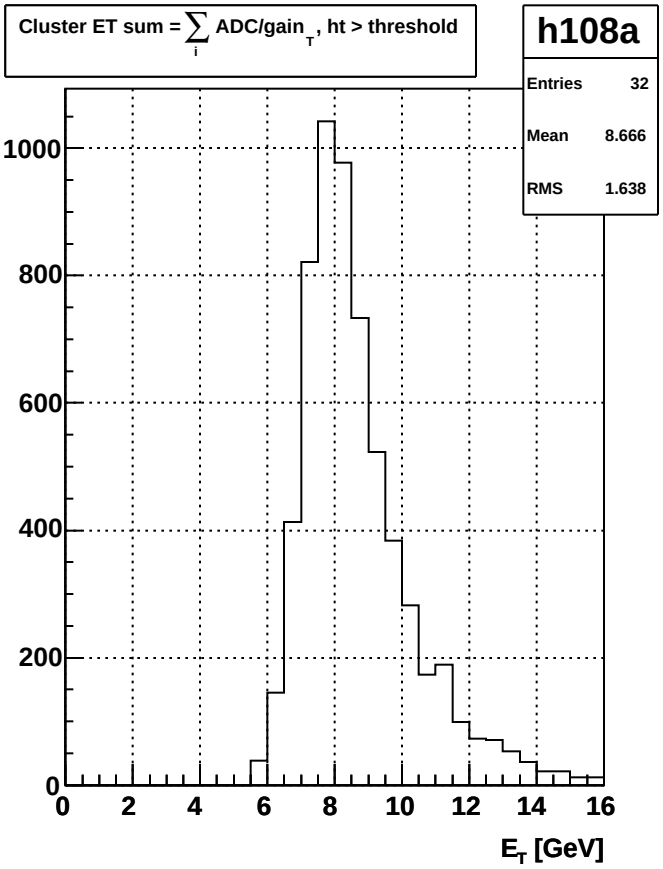

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

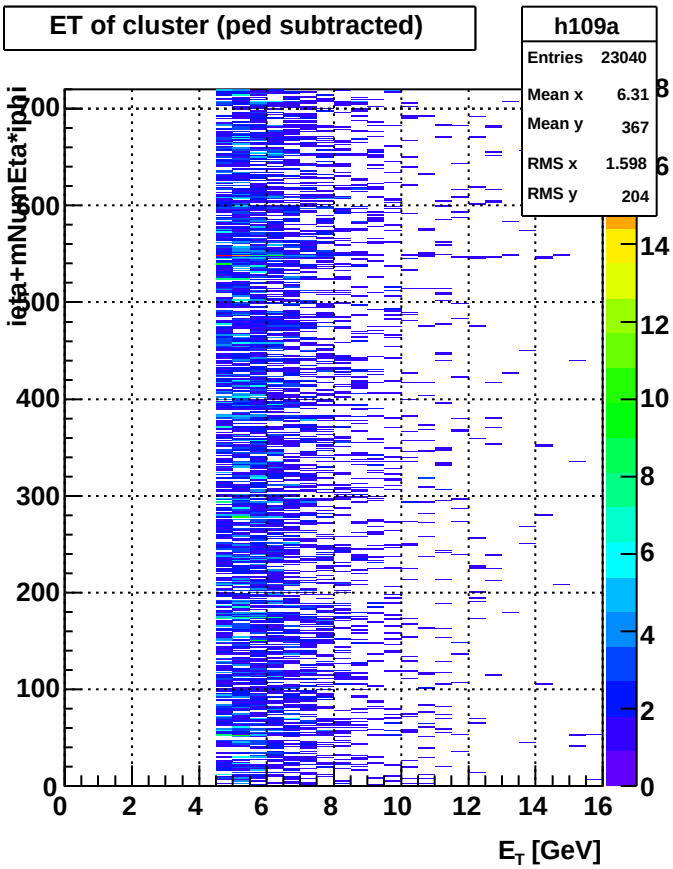

Raw ADC of ht, ht > threshold
h104
Entries 6291
Mean 345.4
RMS 70.98
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC

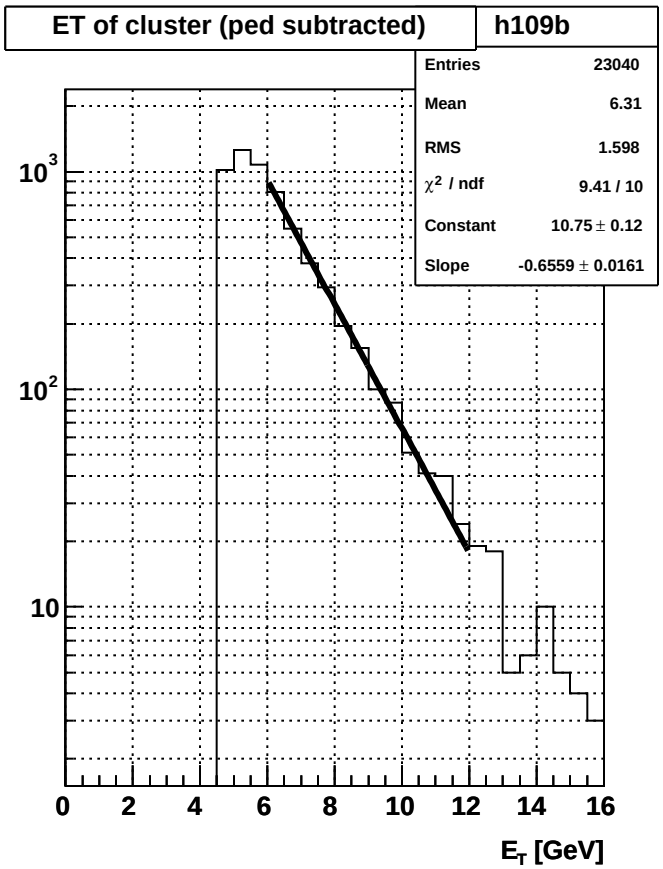

Raw ADC of ht, cluster > threshold
h105
Entries 6155
Mean 346.7
RMS 71.18
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 6169
Mean x 64.99
Mean y 367
RMS x 12.52
RMS y 204
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
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 8.666
RMS 1.638
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.31
Mean y 367
RMS x 1.598
RMS y 204
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.31
RMS 1.598
χ^2 / ndf 9.41 / 10
Constant 10.75 ± 0.12
Slope -0.6559 ± 0.0161
E_T [GeV]