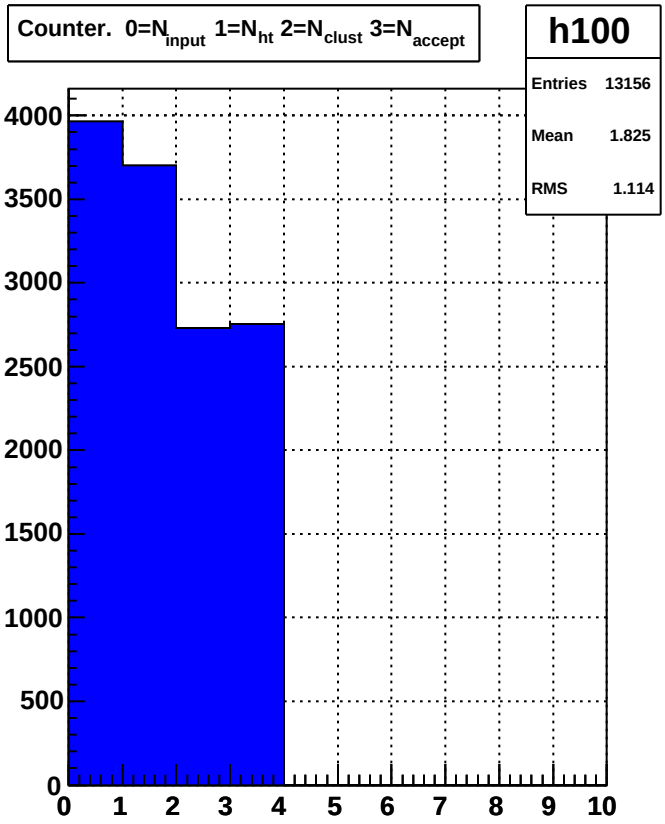
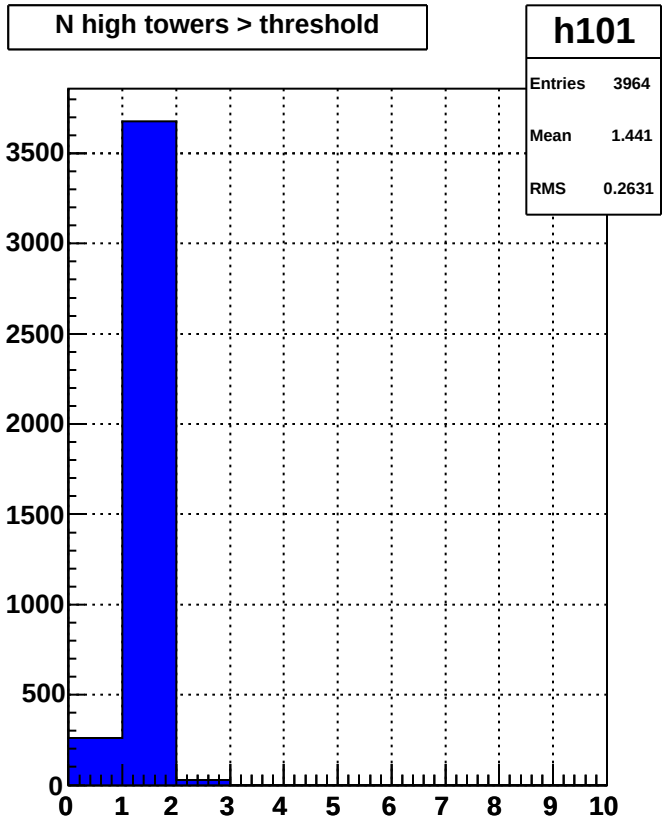
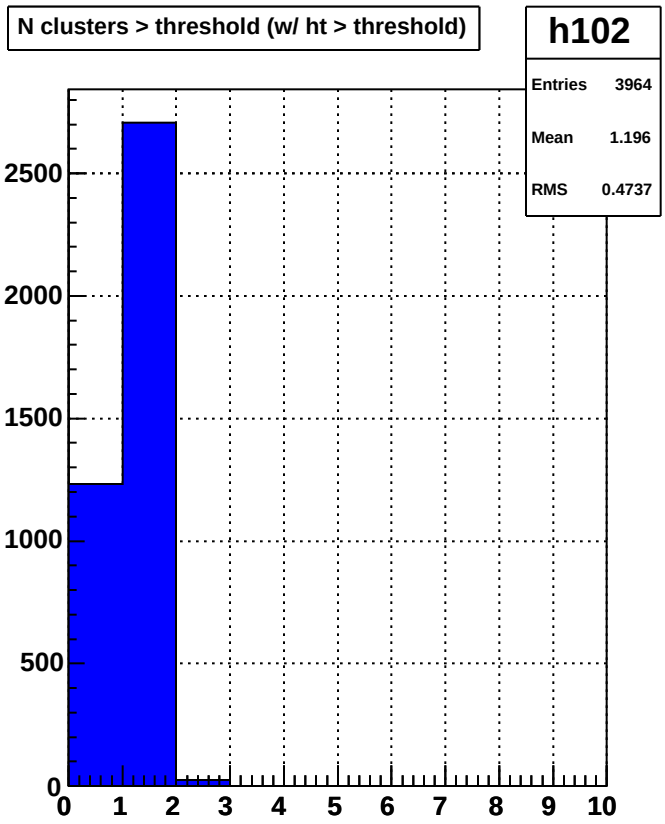
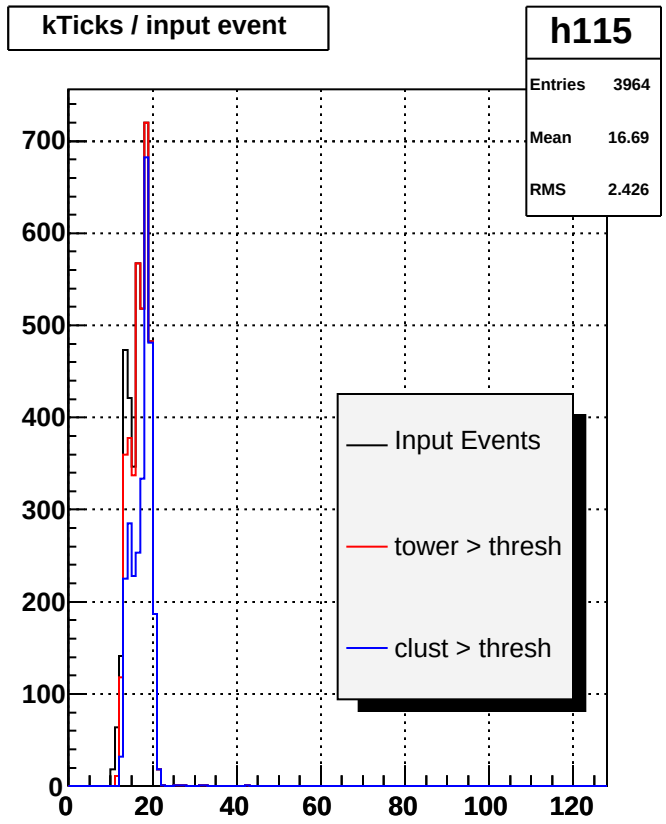
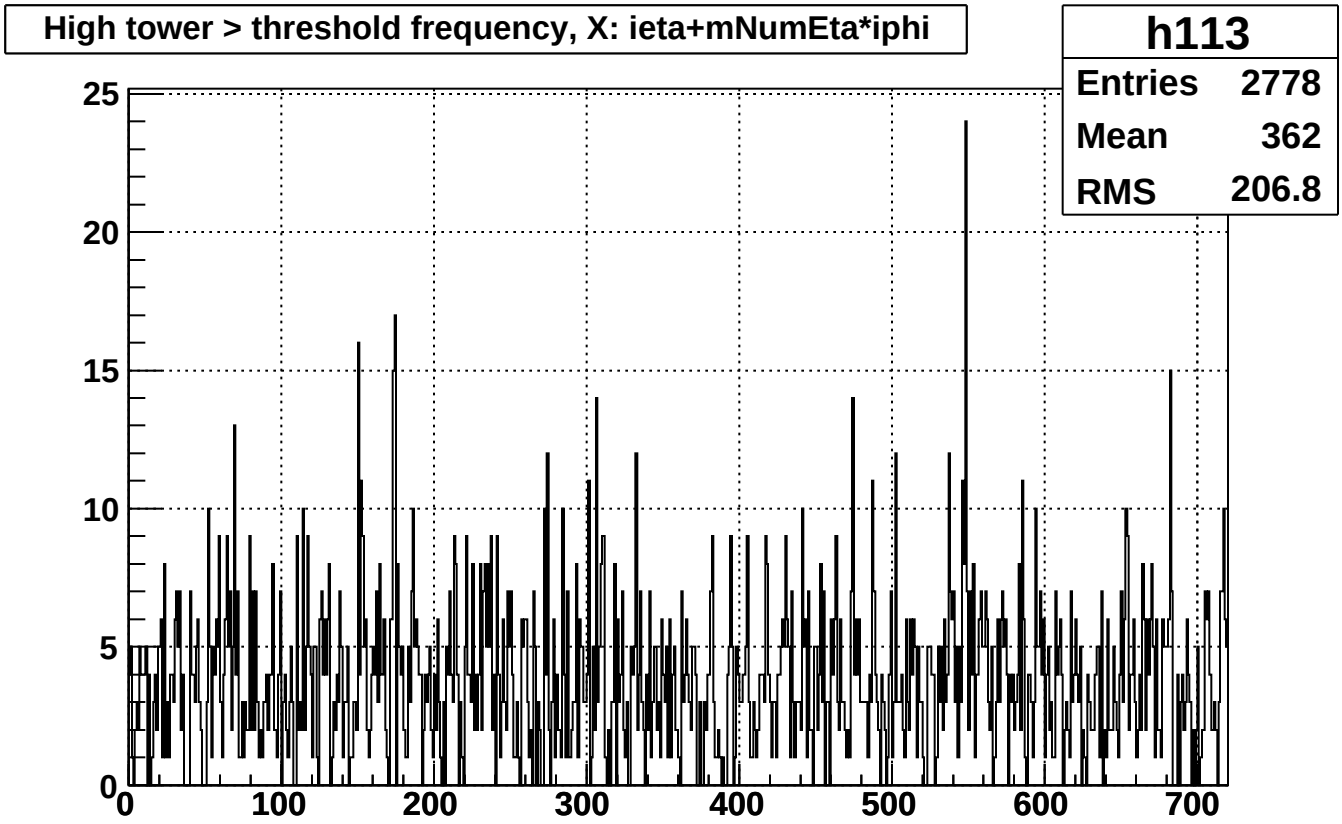
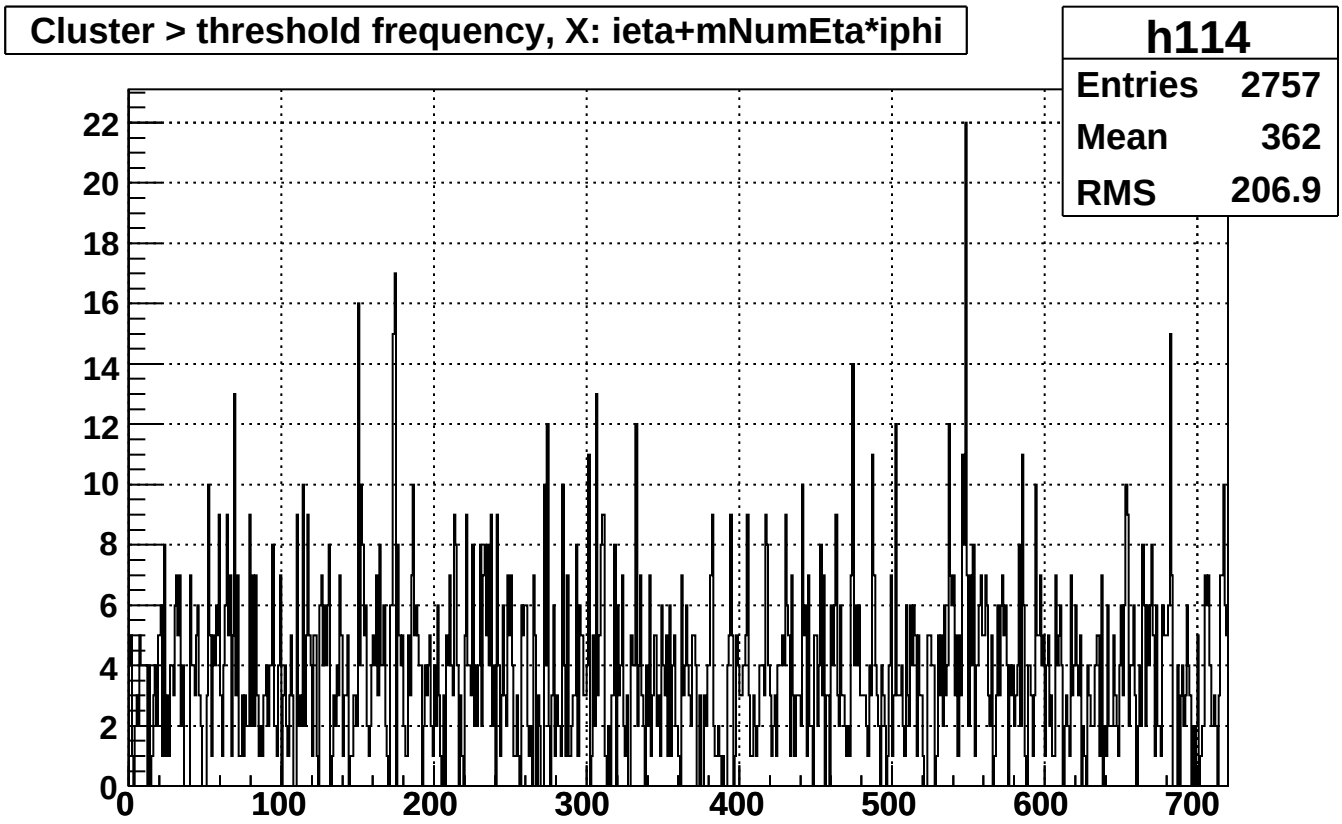

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 13156
Mean 1.825
RMS 1.114

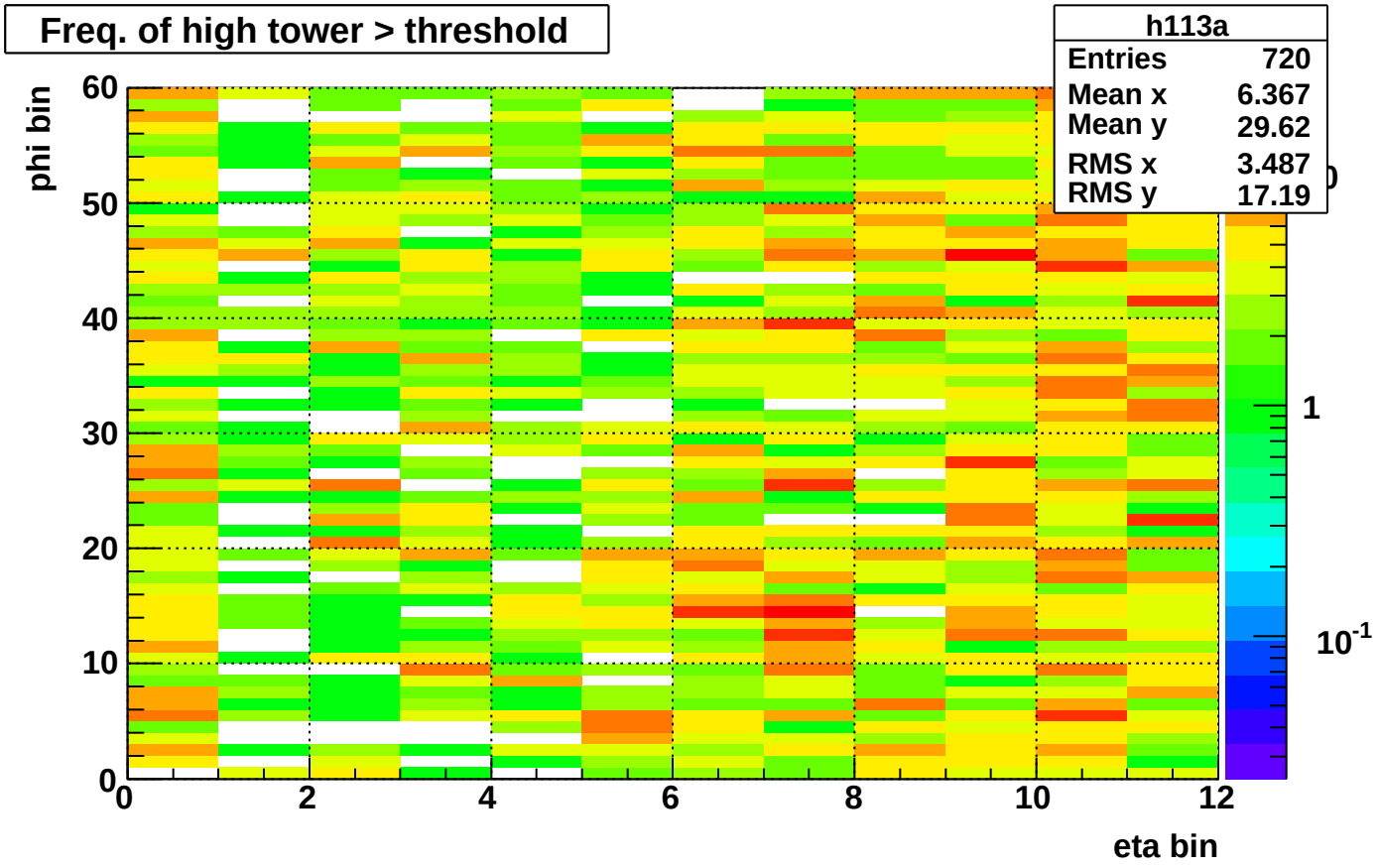

N high towers > threshold
h101
Entries 3964
Mean 1.441
RMS 0.2631

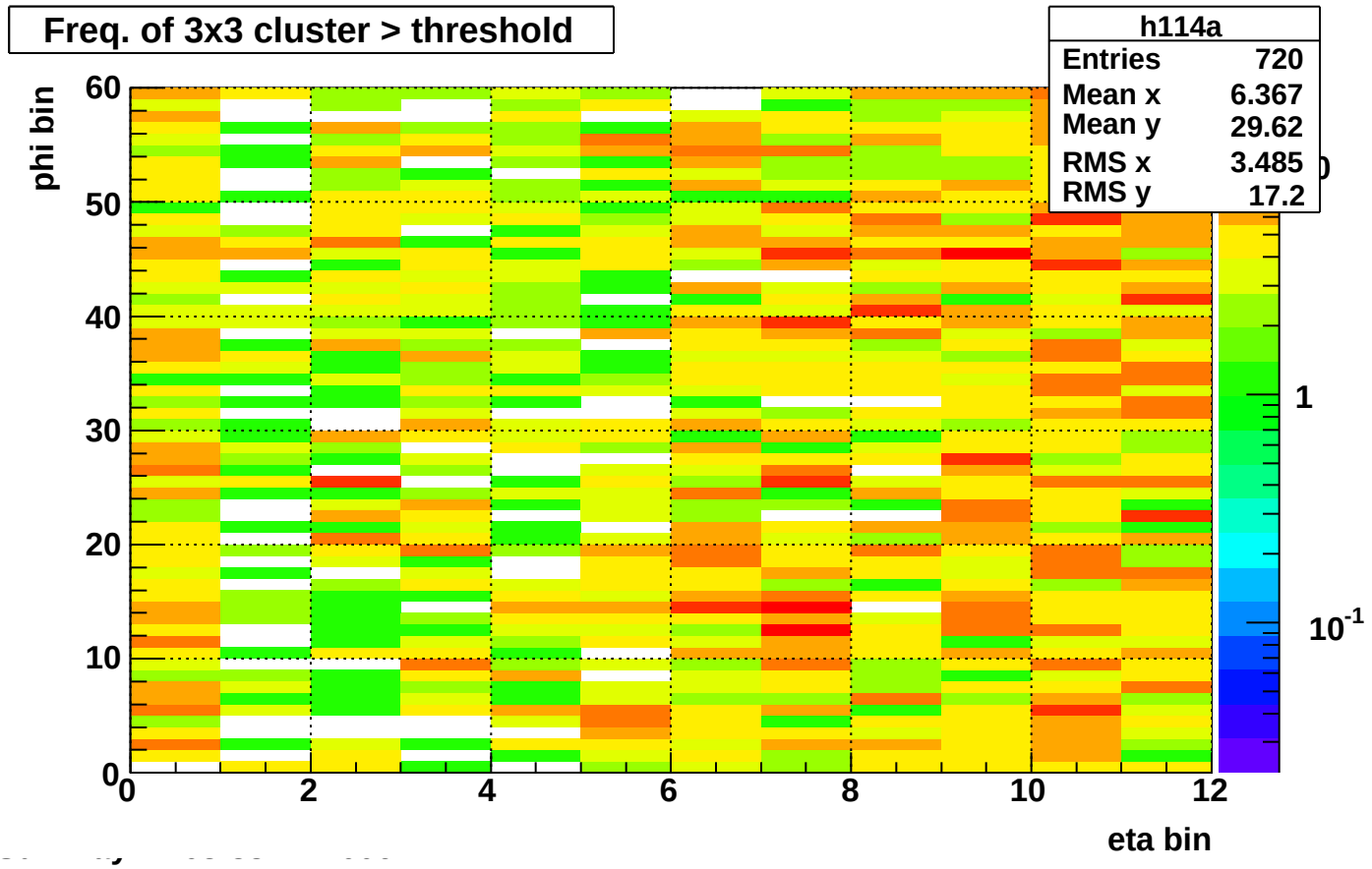

N clusters > threshold (w/ ht > threshold)
h102
Entries 3964
Mean 1.196
RMS 0.4737

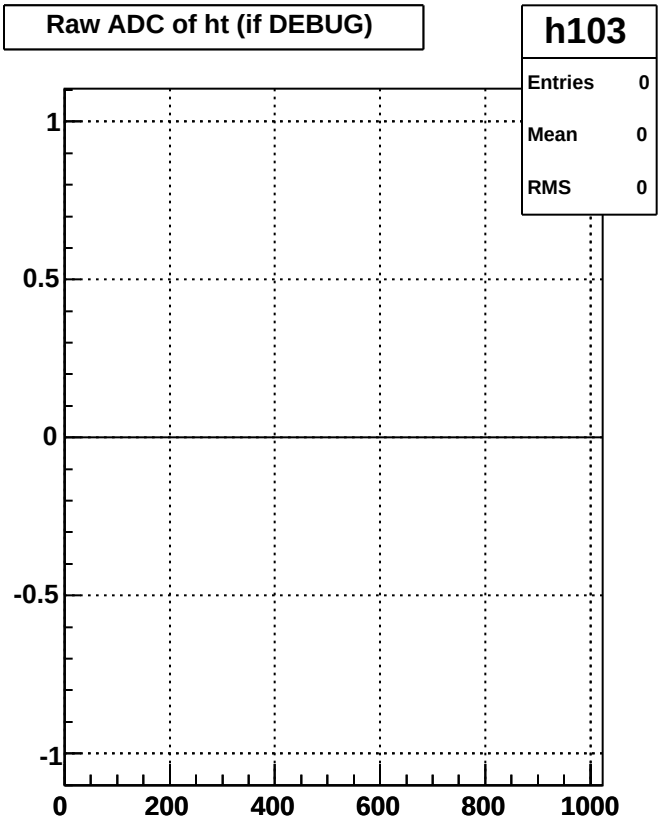

kTicks / input event
h115
Entries 3964
Mean 16.69
RMS 2.426
Input Events
tower > thresh
clust > thresh

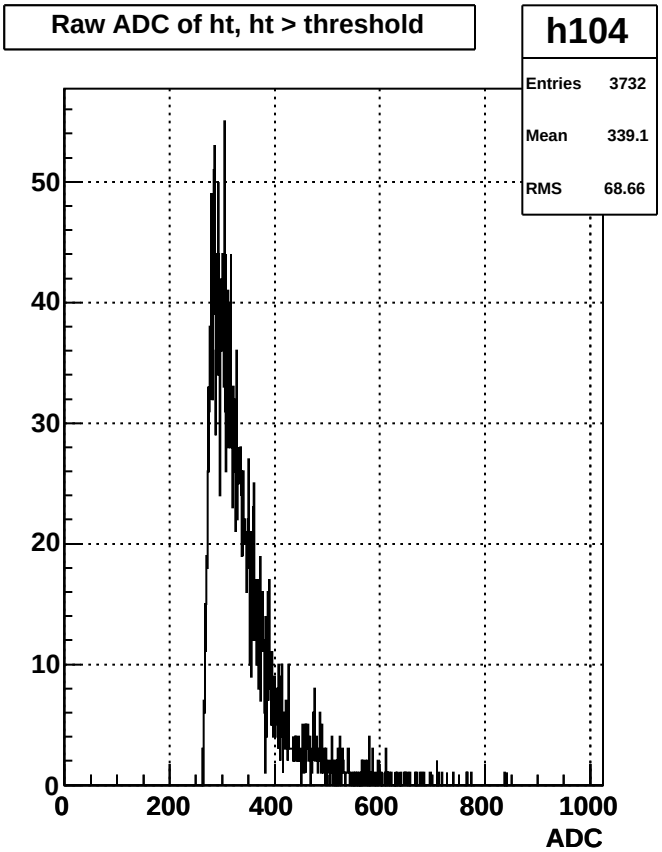

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 2778
Mean 362
RMS 206.8
0
5
10
15
20
25
0
100
200
300
400
500
600
700

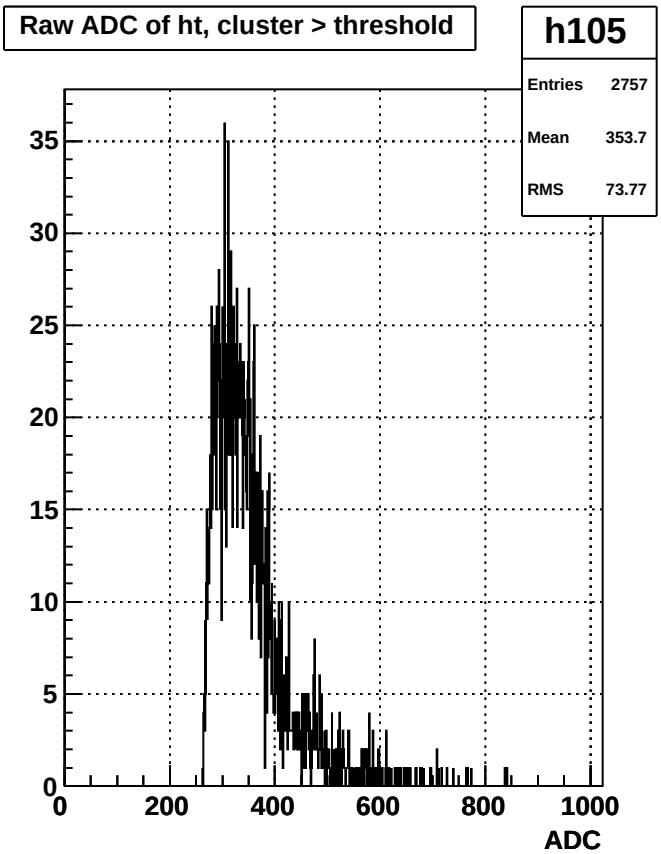

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 2757
Mean 362
RMS 206.9
0
2
4
6
8
10
12
14
16
18
20
22
0
100
200
300
400
500
600
700

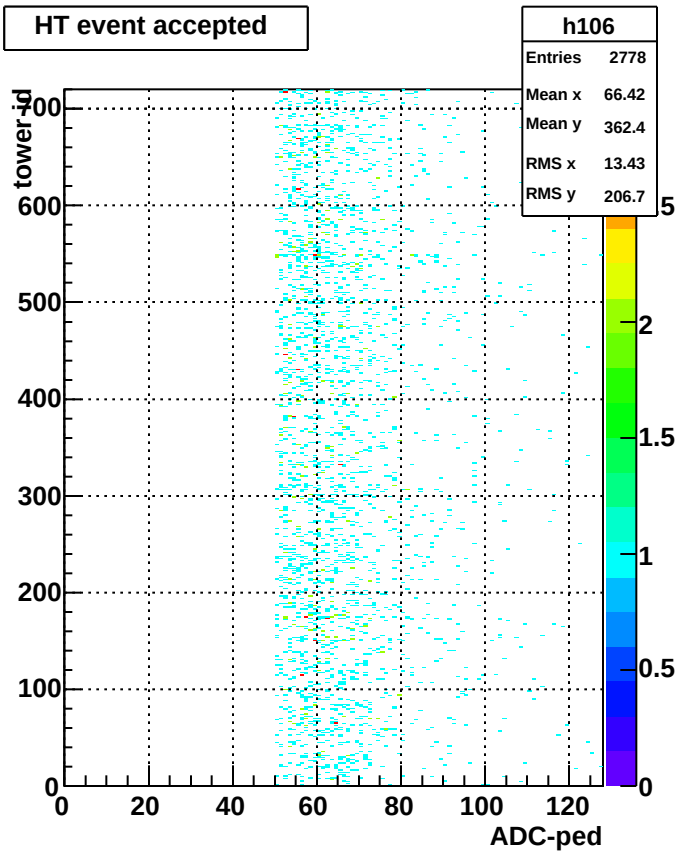

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.367
Mean y 29.62
RMS x 3.487
RMS y 17.19
phi bin
eta bin
1
10^{-1}

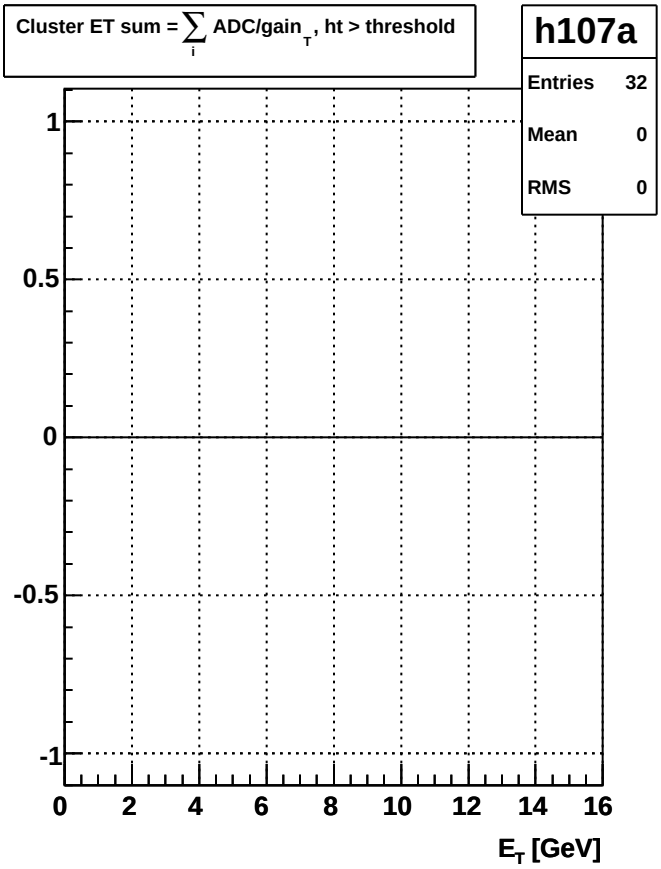

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.367
Mean y 29.62
RMS x 3.485
RMS y 17.2
phi bin
eta bin
1
10^{-1}

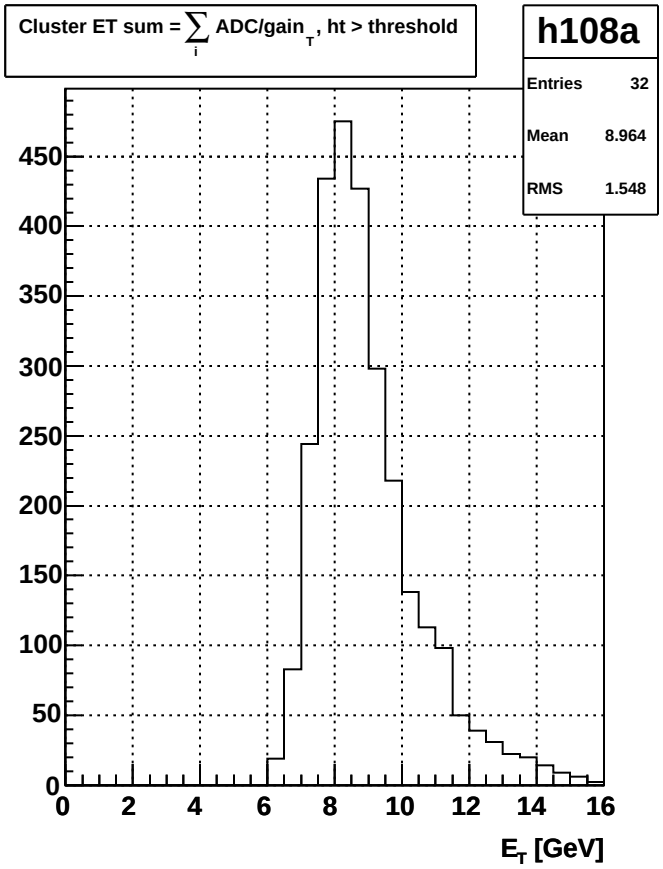

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

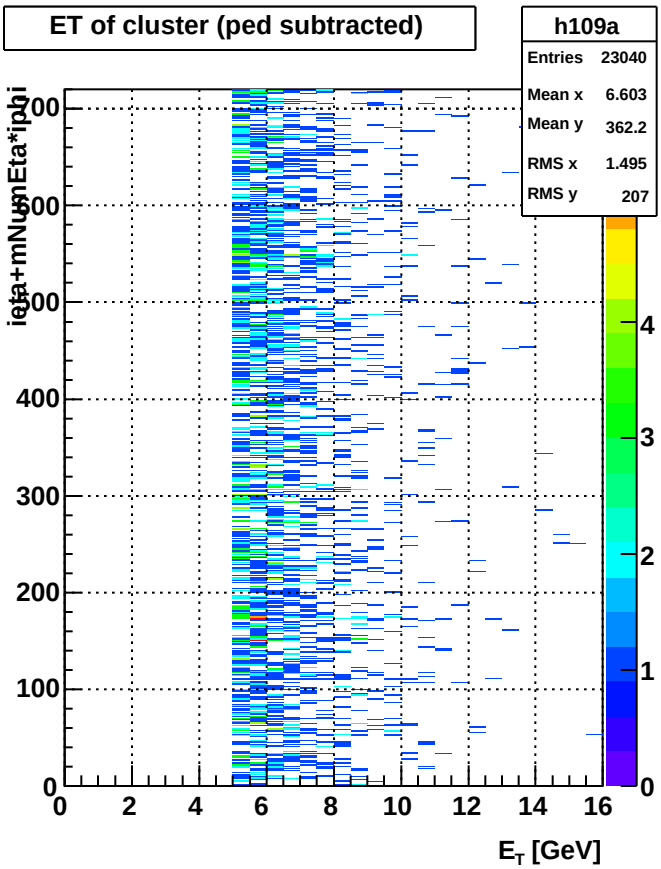

Raw ADC of ht, ht > threshold
h104
Entries 3732
Mean 339.1
RMS 68.66
50
40
30
20
10
0
0
200
400
600
800
1000
ADC

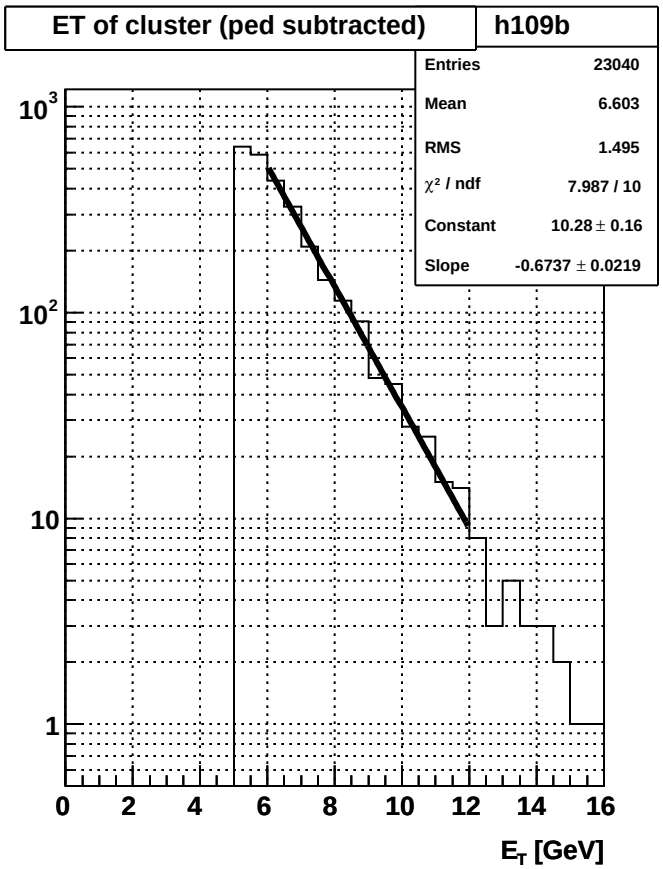

Raw ADC of ht, cluster > threshold
h105
Entries 2757
Mean 353.7
RMS 73.77
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 2778
Mean x 66.42
Mean y 362.4
RMS x 13.43
RMS y 206.7
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
5
2
1.5
1
0.5
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 8.964
RMS 1.548
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.603
Mean y 362.2
RMS x 1.495
RMS y 207
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.603
RMS 1.495
χ^2 / ndf 7.987 / 10
Constant 10.28 ± 0.16
Slope -0.6737 ± 0.0219
E_T [GeV]