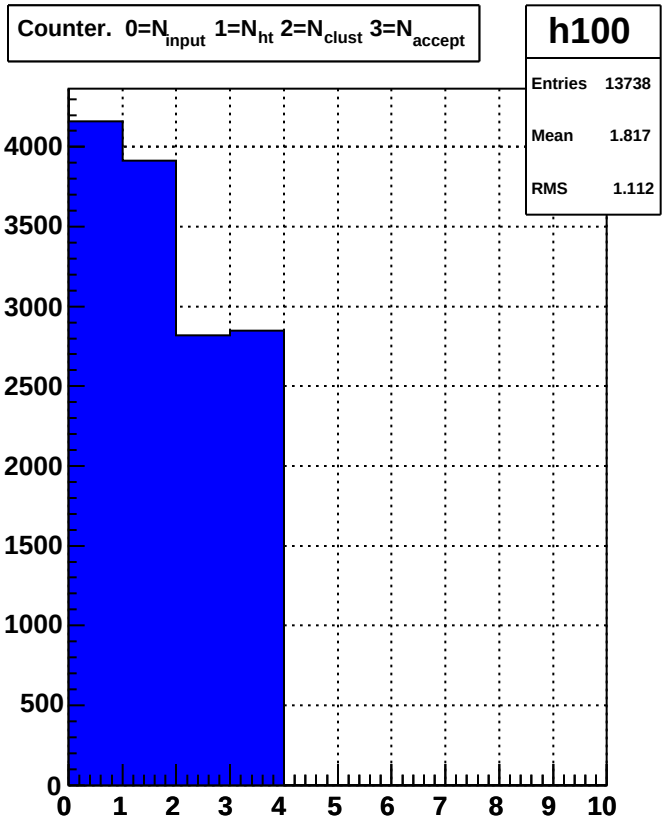
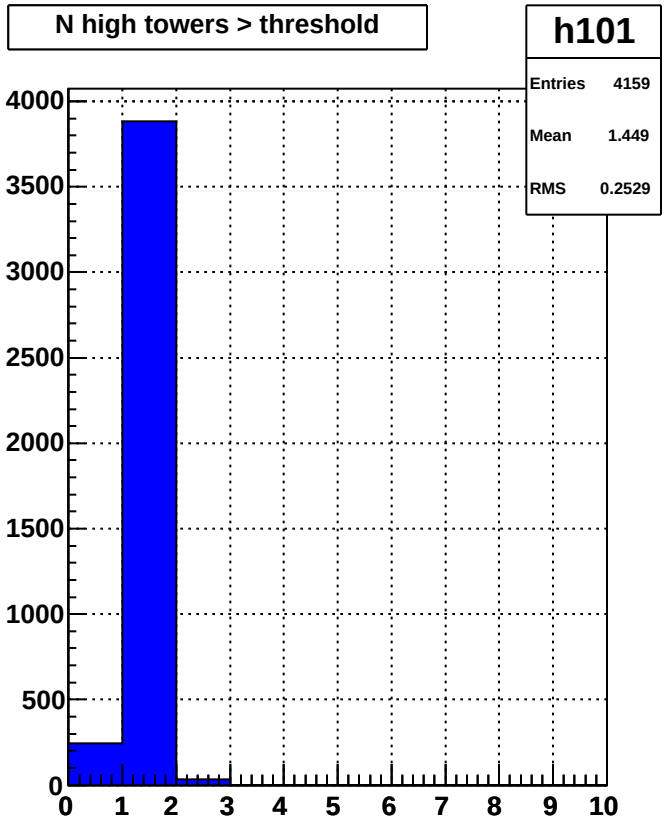
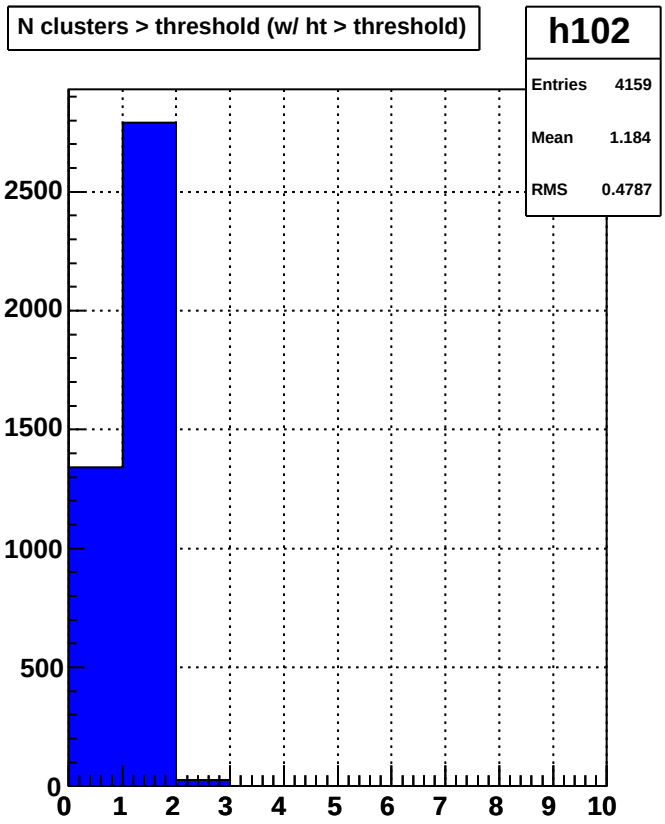
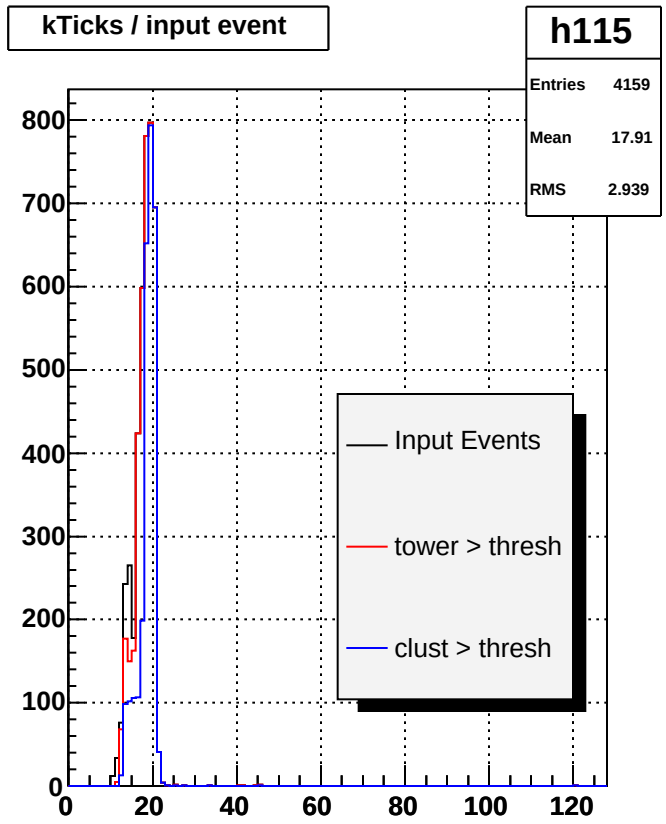
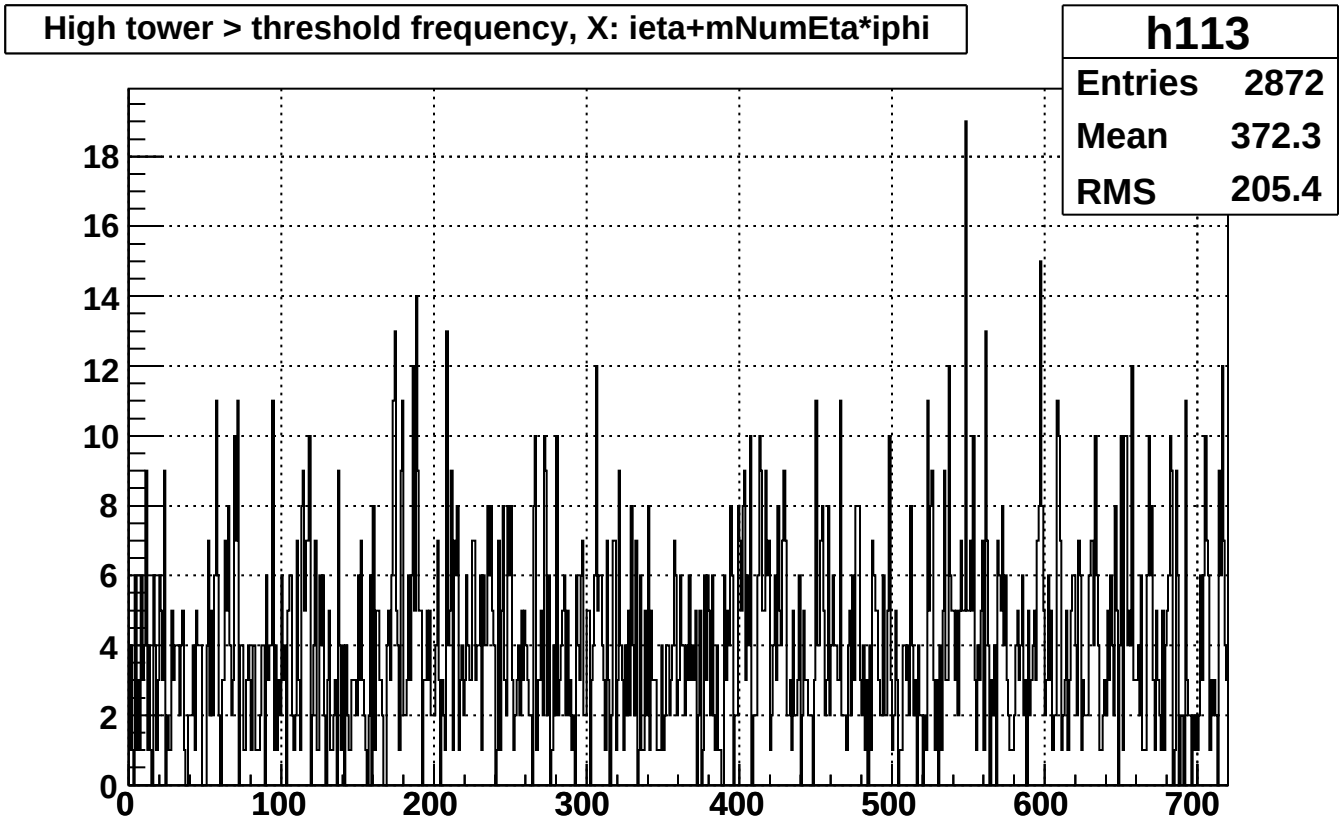
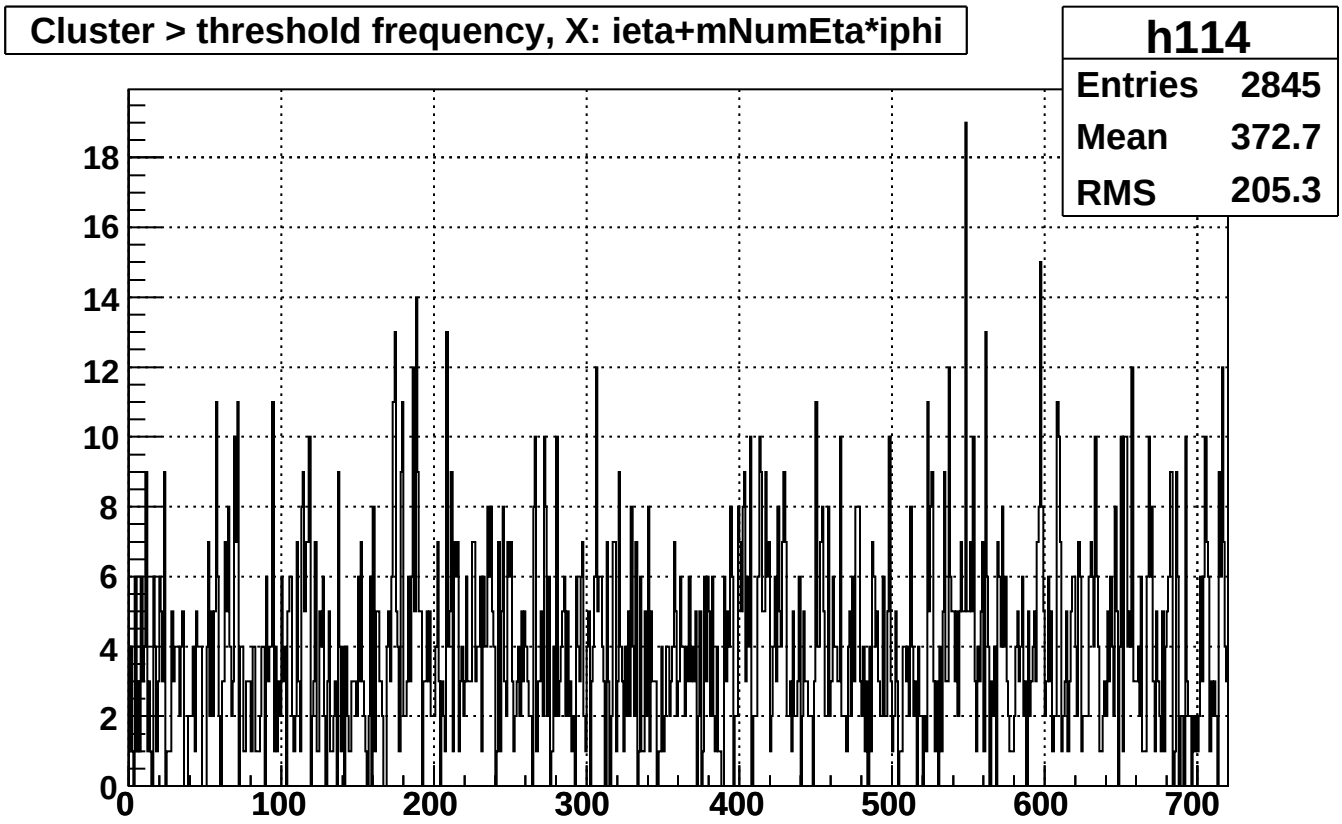

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 13738
Mean 1.817
RMS 1.112

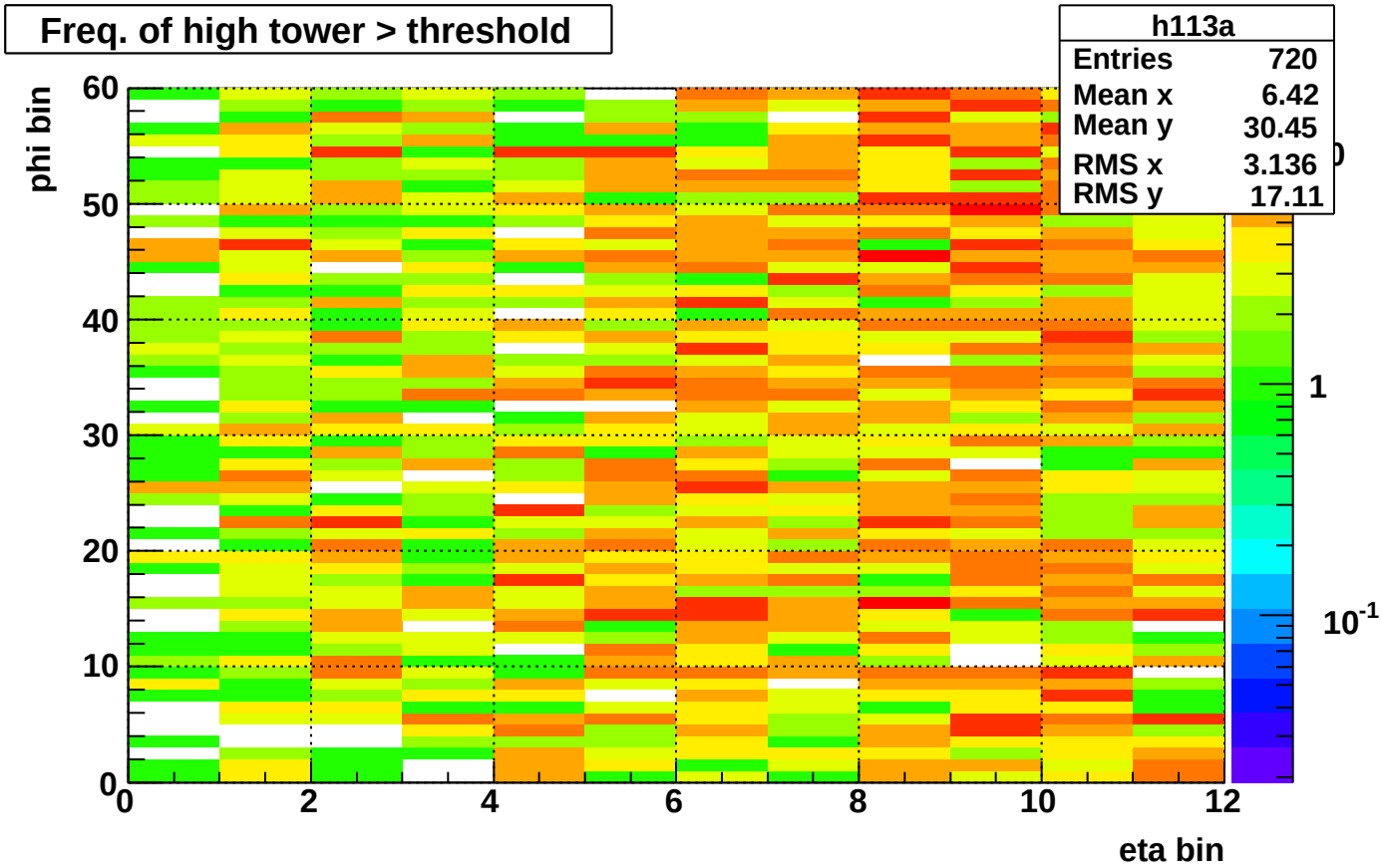

N high towers > threshold
h101
Entries 4159
Mean 1.449
RMS 0.2529

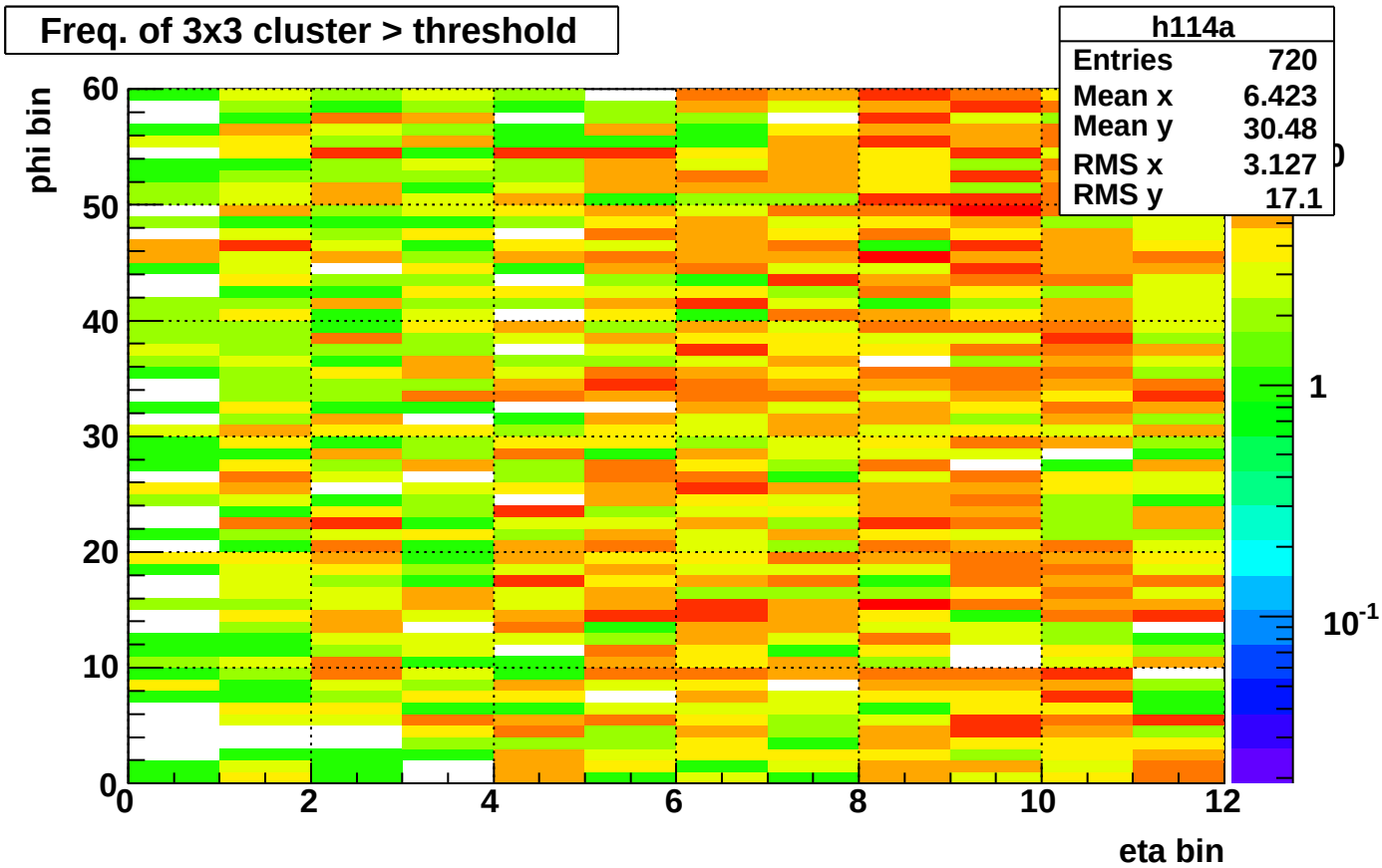

N clusters > threshold (w/ ht > threshold)
h102
Entries 4159
Mean 1.184
RMS 0.4787

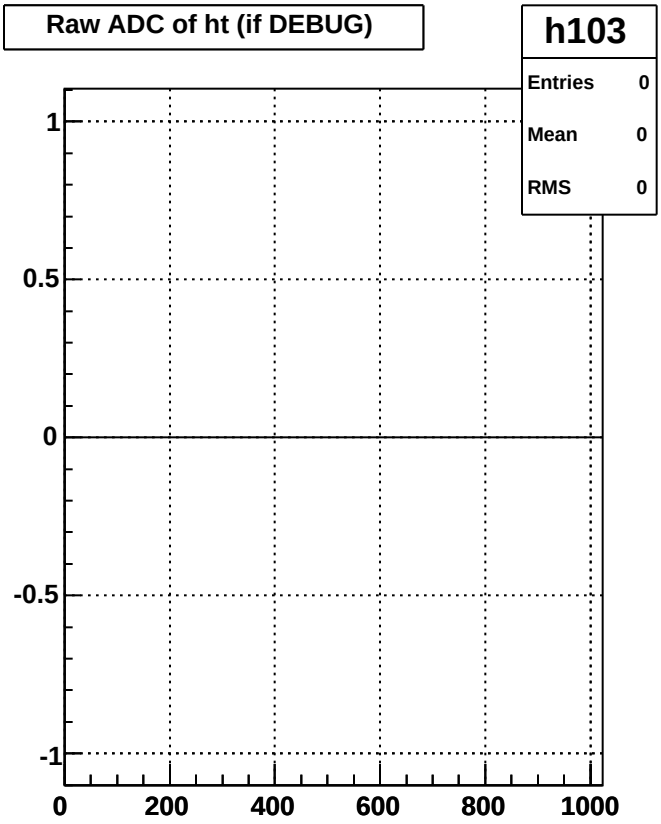

kTicks / input event
h115
Entries 4159
Mean 17.91
RMS 2.939
Input Events
tower > thresh
clust > thresh

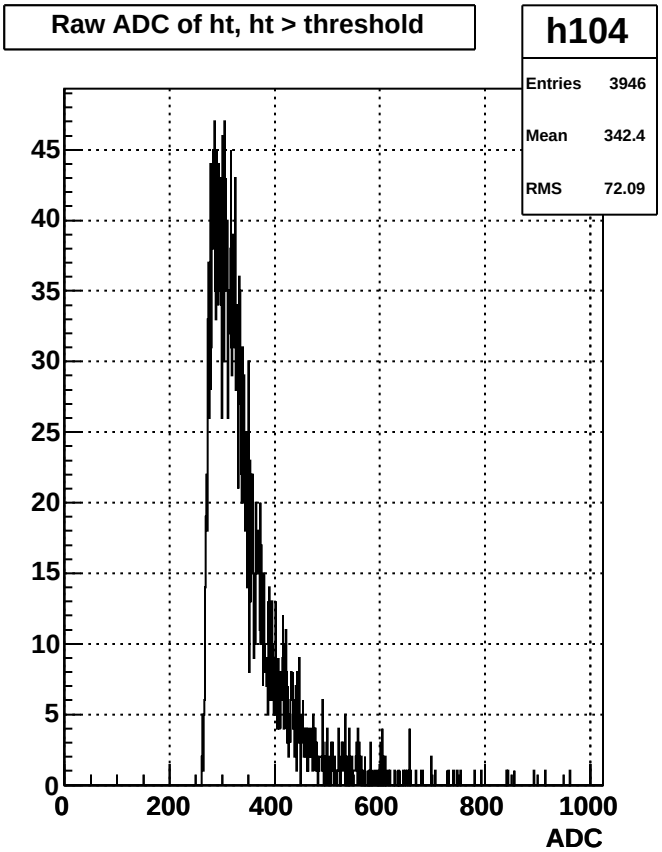

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 2872
Mean 372.3
RMS 205.4
0
2
4
6
8
10
12
14
16
18
0
100
200
300
400
500
600
700

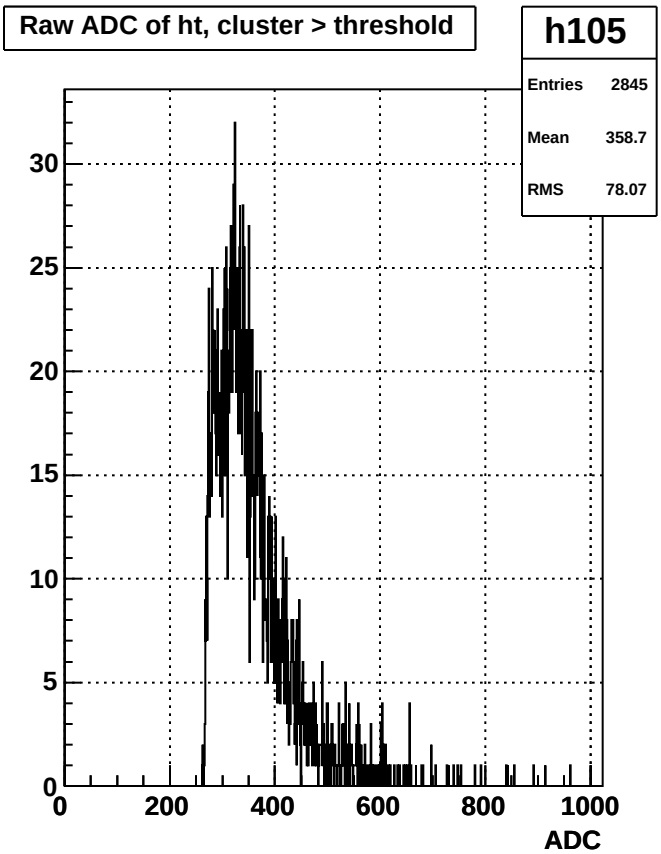

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 2845
Mean 372.7
RMS 205.3
0
2
4
6
8
10
12
14
16
18
0
100
200
300
400
500
600
700

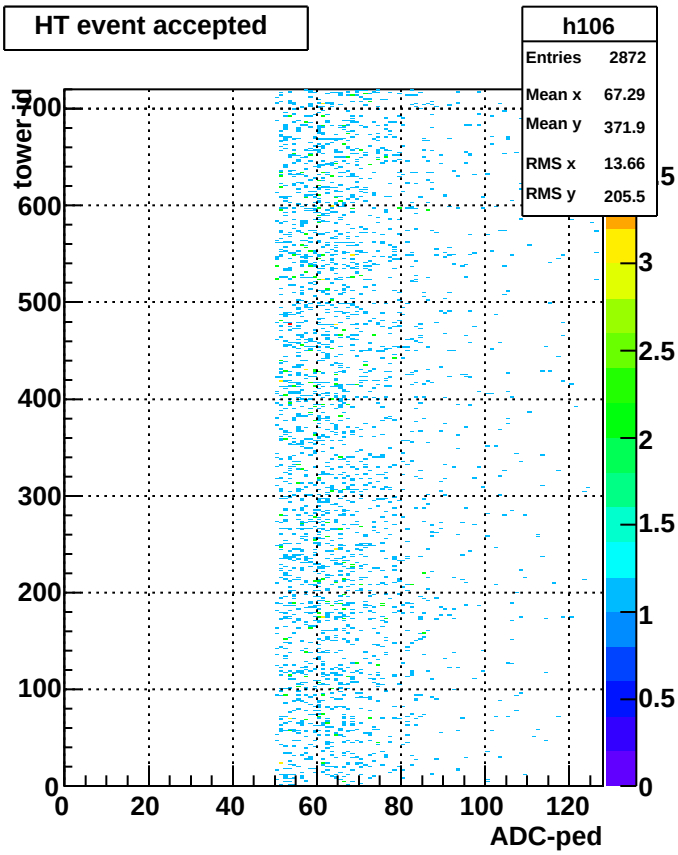

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.42
Mean y 30.45
RMS x 3.136
RMS y 17.11
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

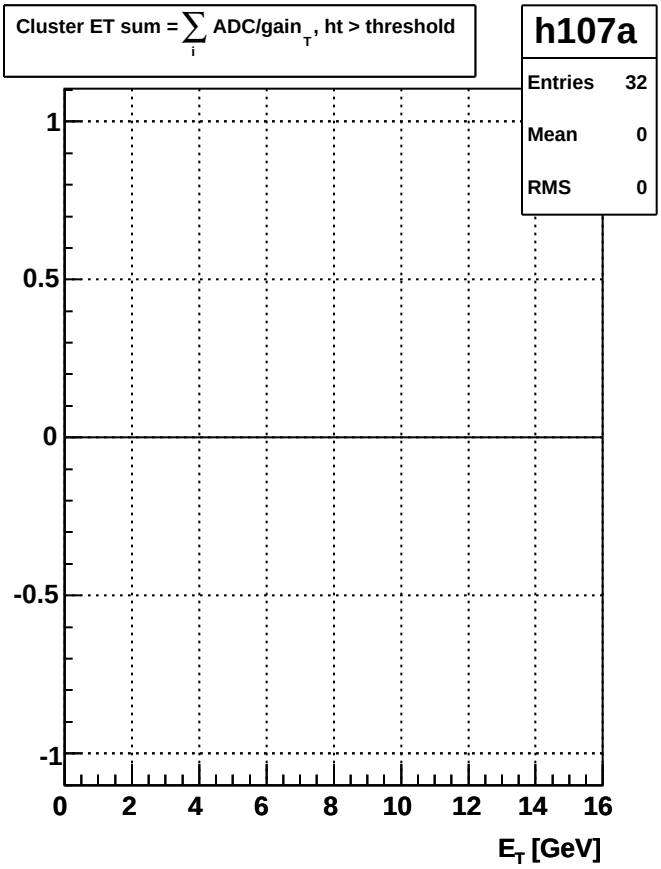

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.423
Mean y 30.48
RMS x 3.127
RMS y 17.1
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

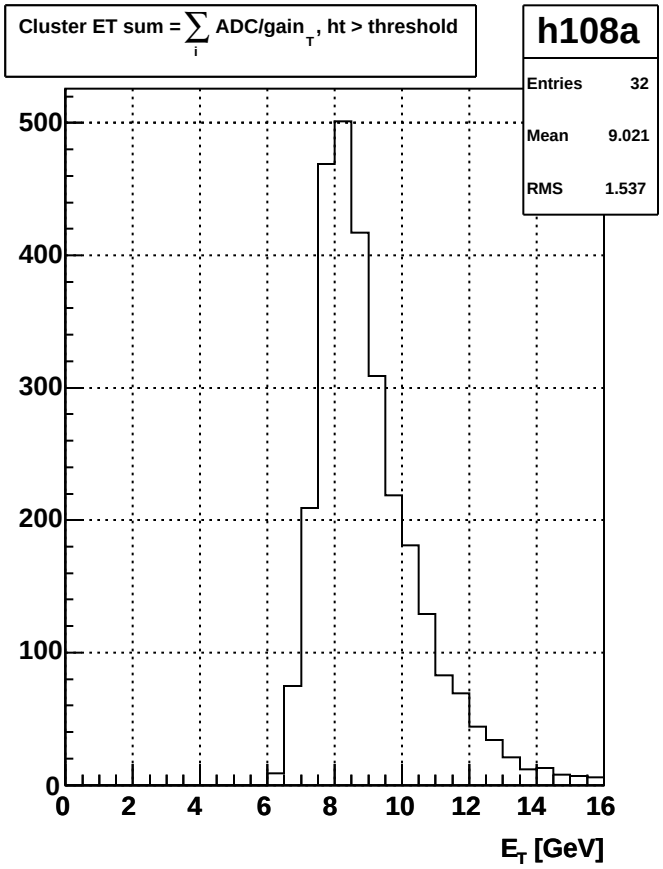

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

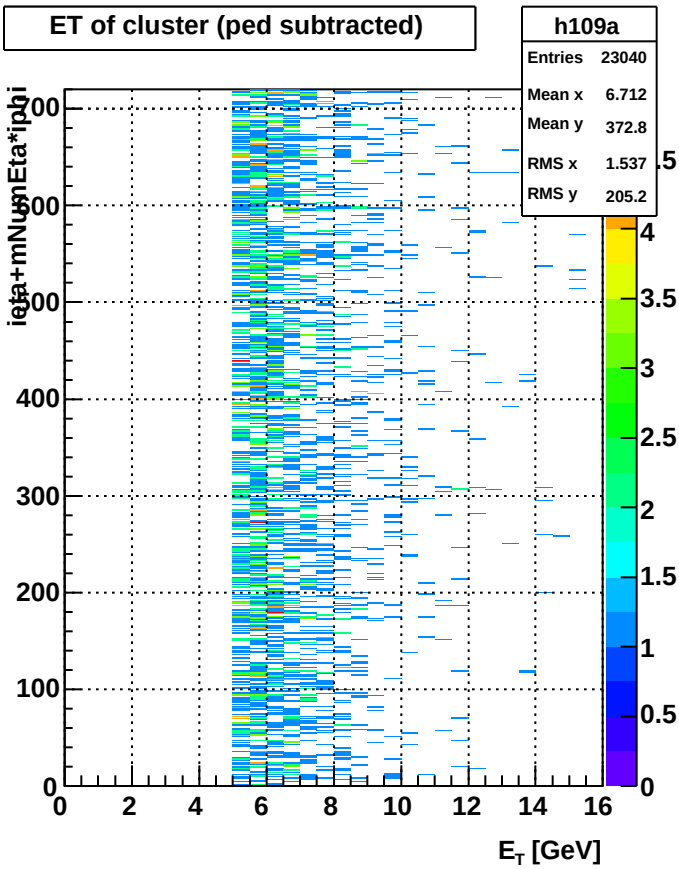

Raw ADC of ht, ht > threshold
h104
Entries 3946
Mean 342.4
RMS 72.09
45
40
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC

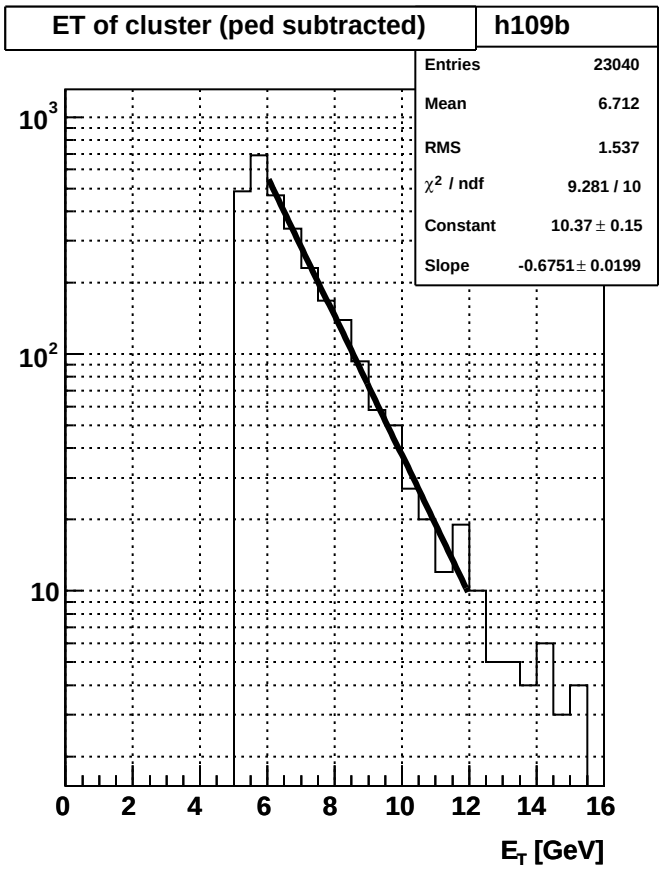

Raw ADC of ht, cluster > threshold
h105
Entries 2845
Mean 358.7
RMS 78.07
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 2872
Mean x 67.29
Mean y 371.9
RMS x 13.66
RMS y 205.5
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
5
3
2.5
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 9.021
RMS 1.537
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.712
Mean y 372.8
RMS x 1.537
RMS y 205.2
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.712
RMS 1.537
χ^2 / ndf 9.281 / 10
Constant 10.37 ± 0.15
Slope -0.6751 ± 0.0199
E_T [GeV]