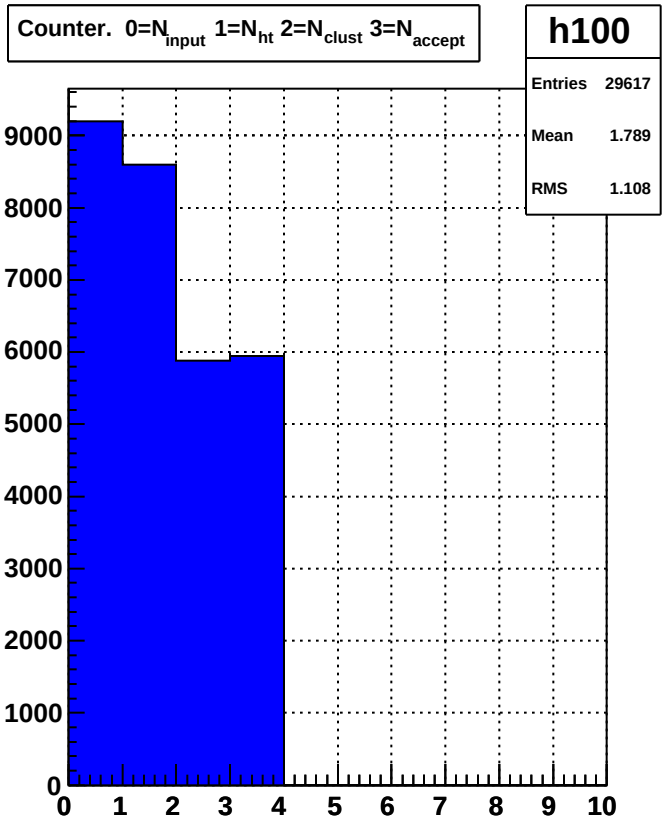
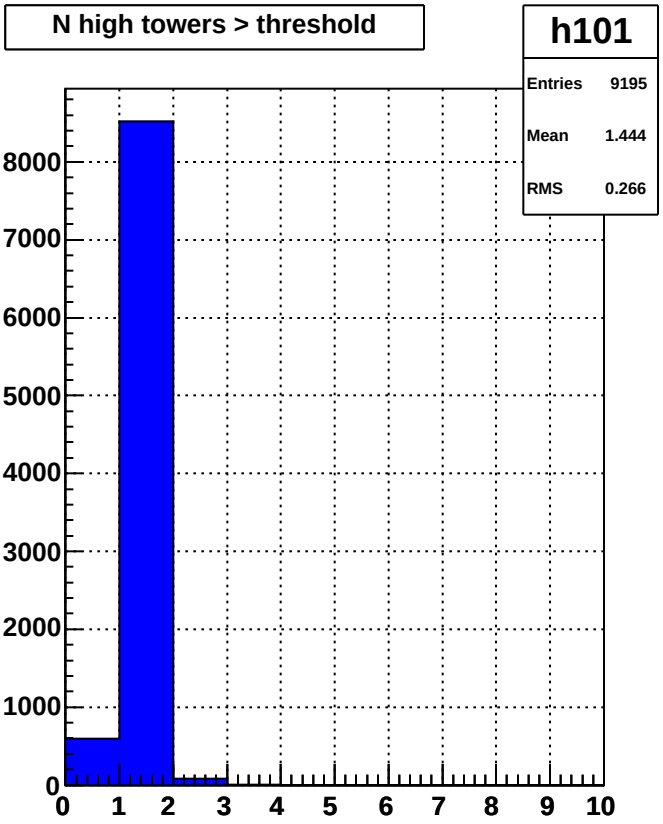
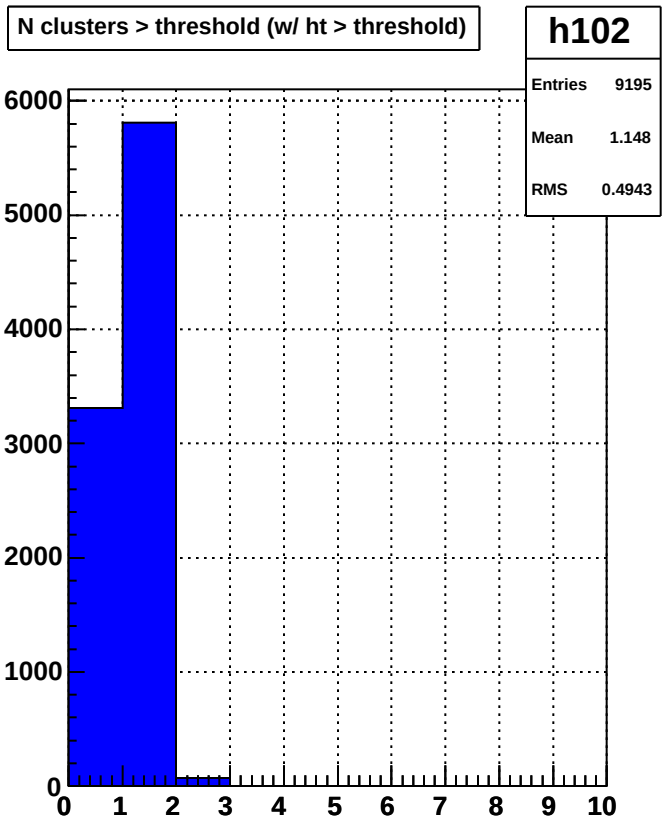
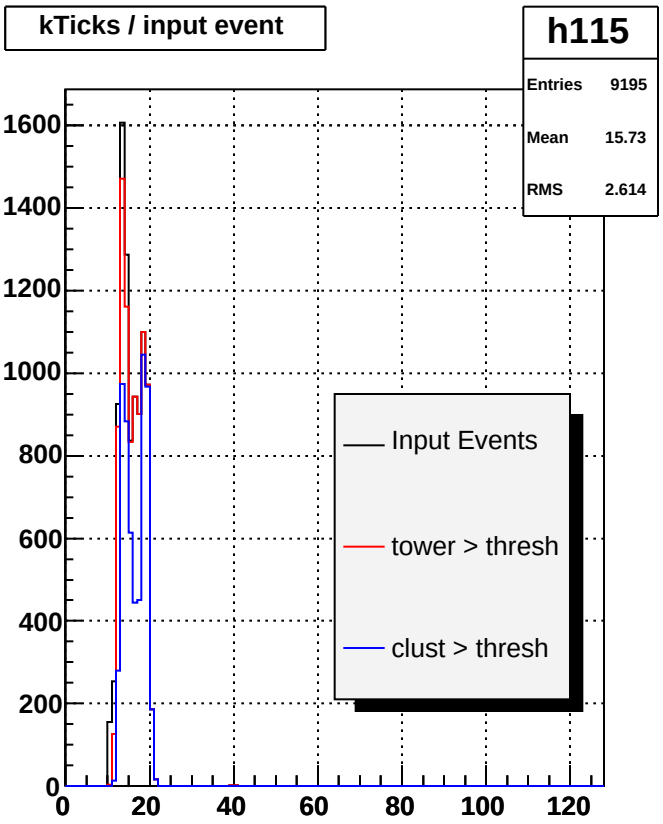
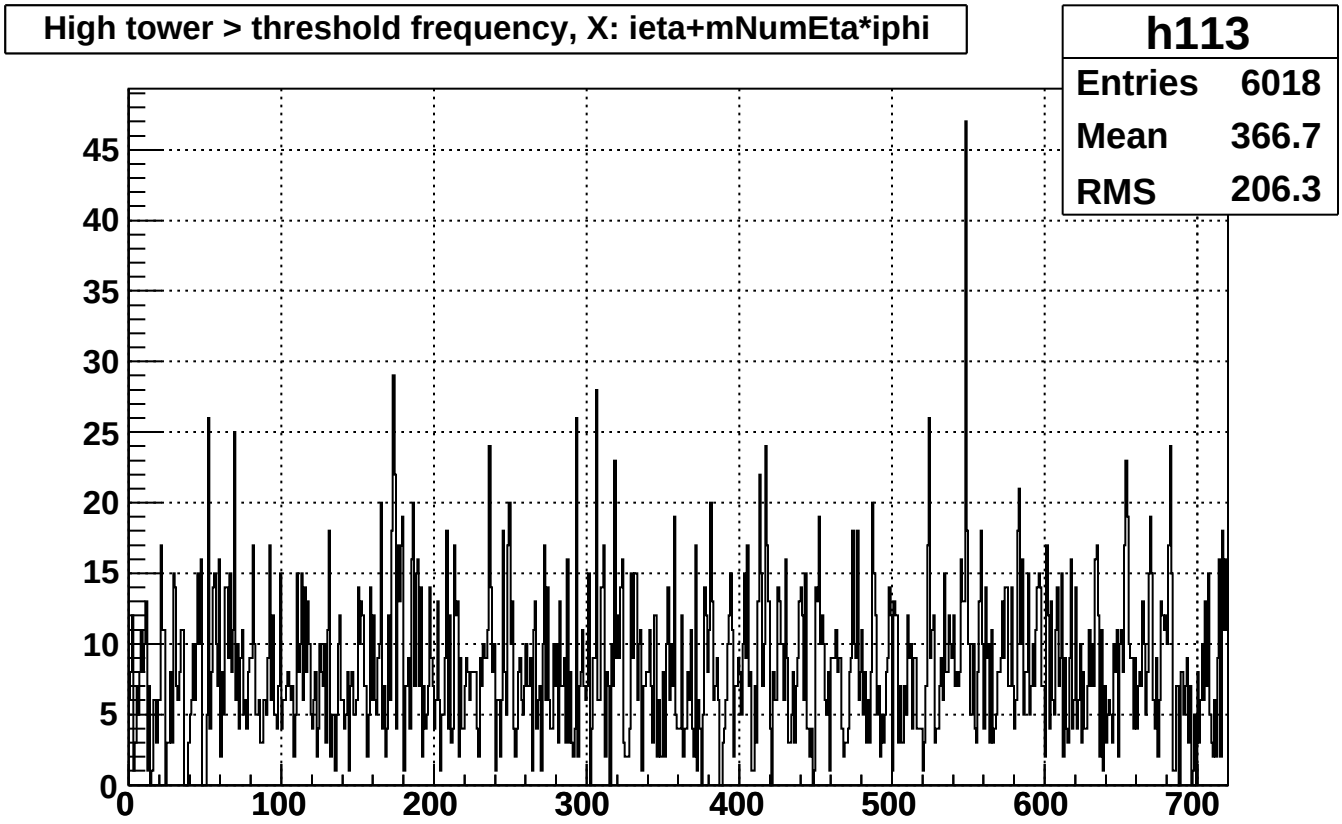
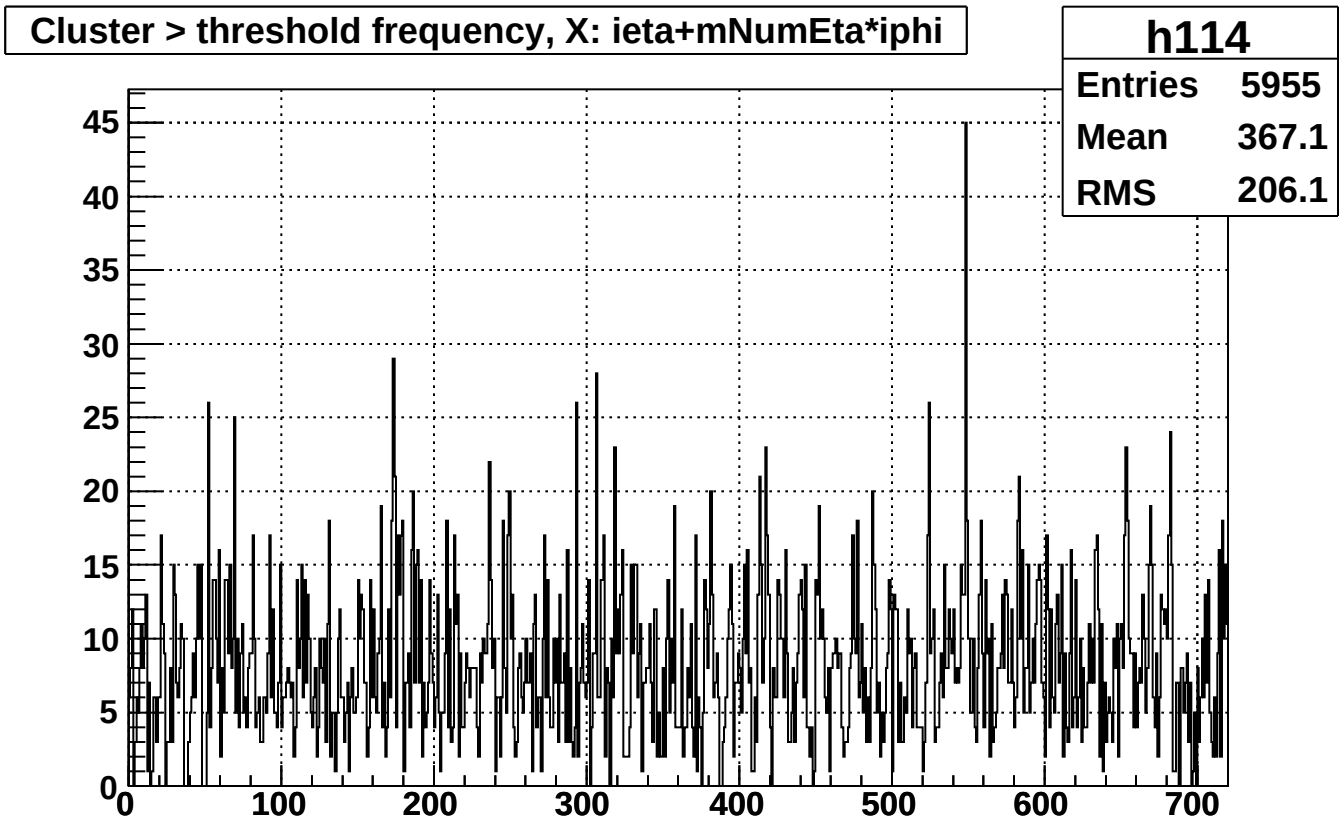

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 29617
Mean 1.789
RMS 1.108

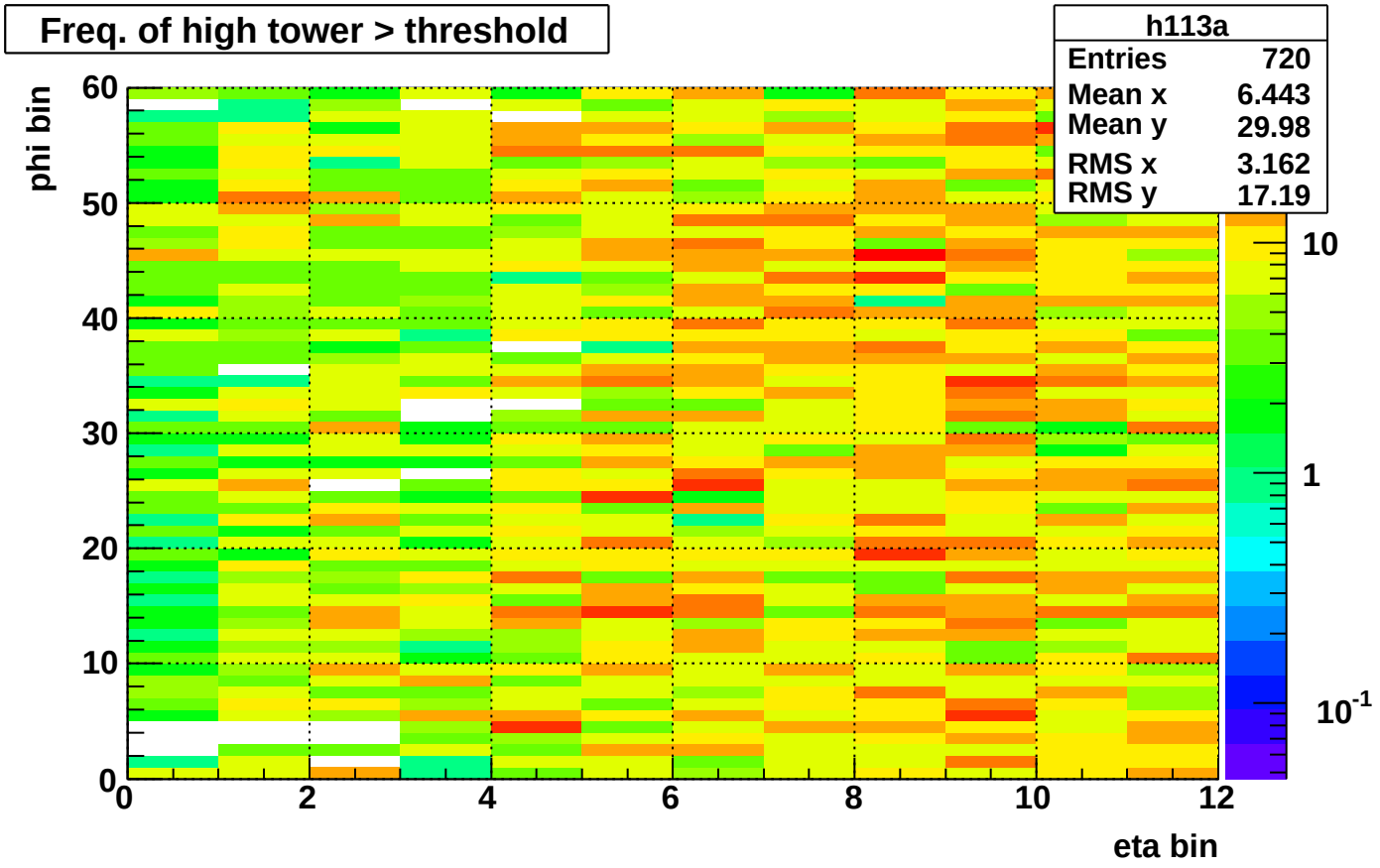

N high towers > threshold
h101
Entries 9195
Mean 1.444
RMS 0.266

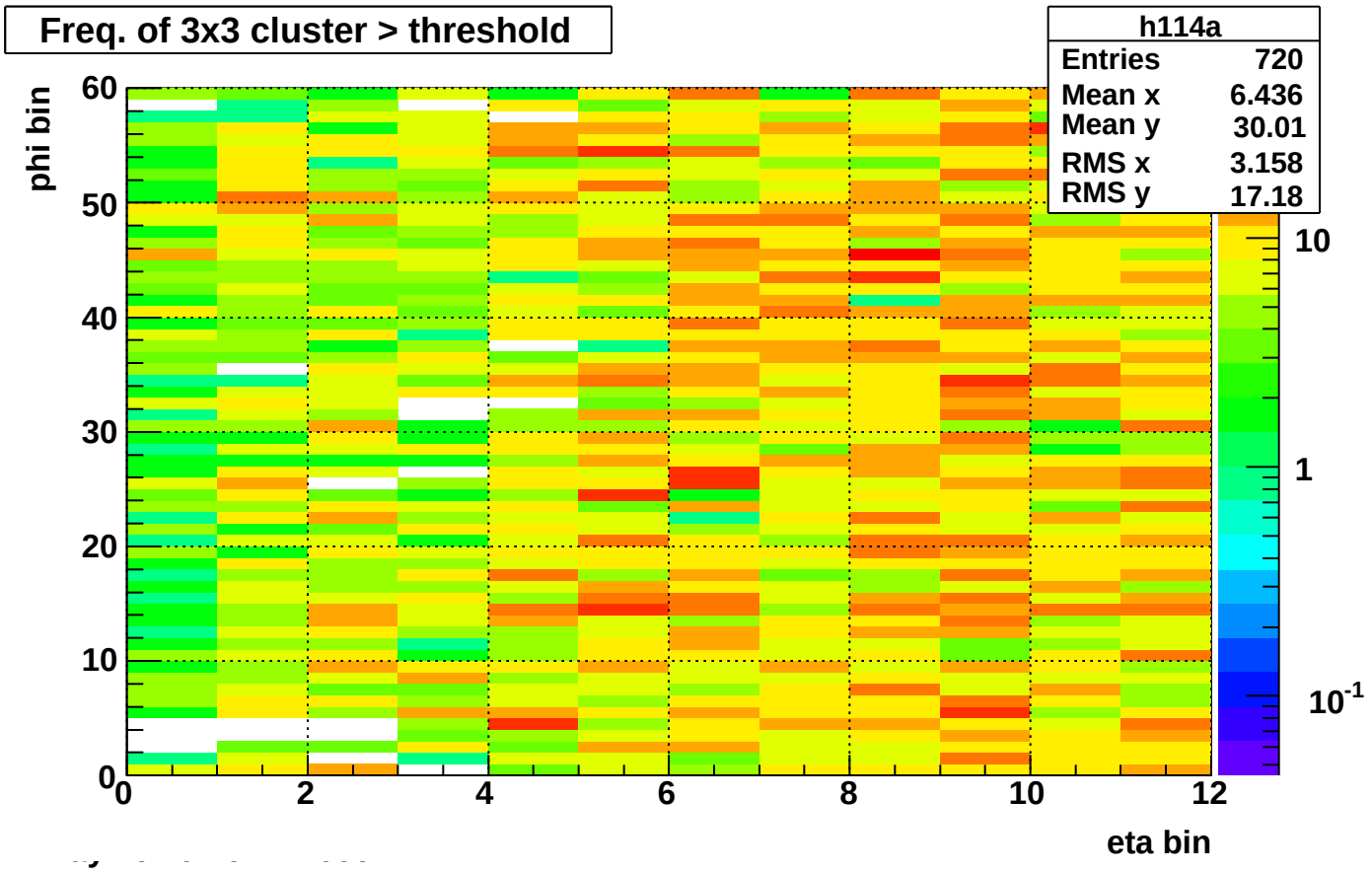

N clusters > threshold (w/ ht > threshold)
h102
Entries 9195
Mean 1.148
RMS 0.4943

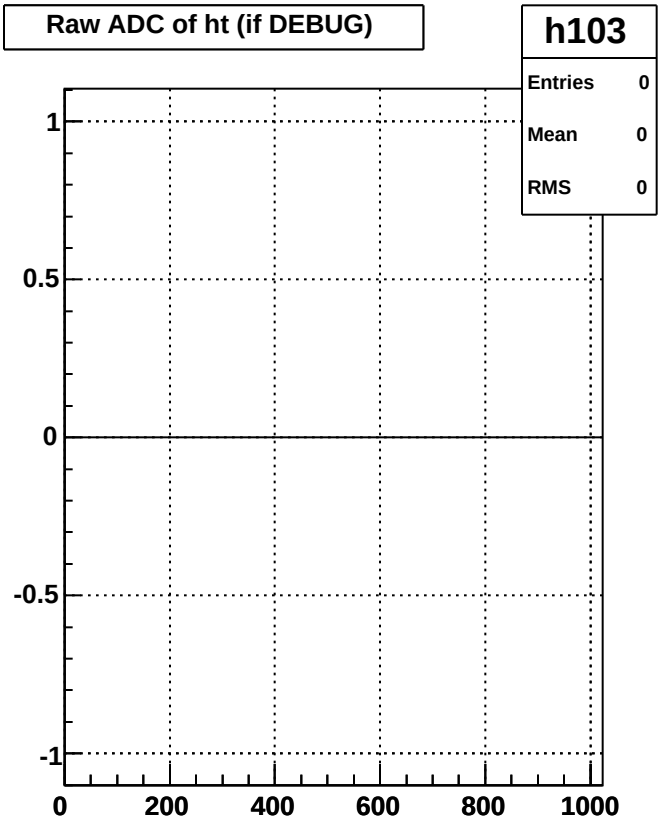

kTicks / input event
h115
Entries 9195
Mean 15.73
RMS 2.614
Input Events
tower > thresh
clust > thresh

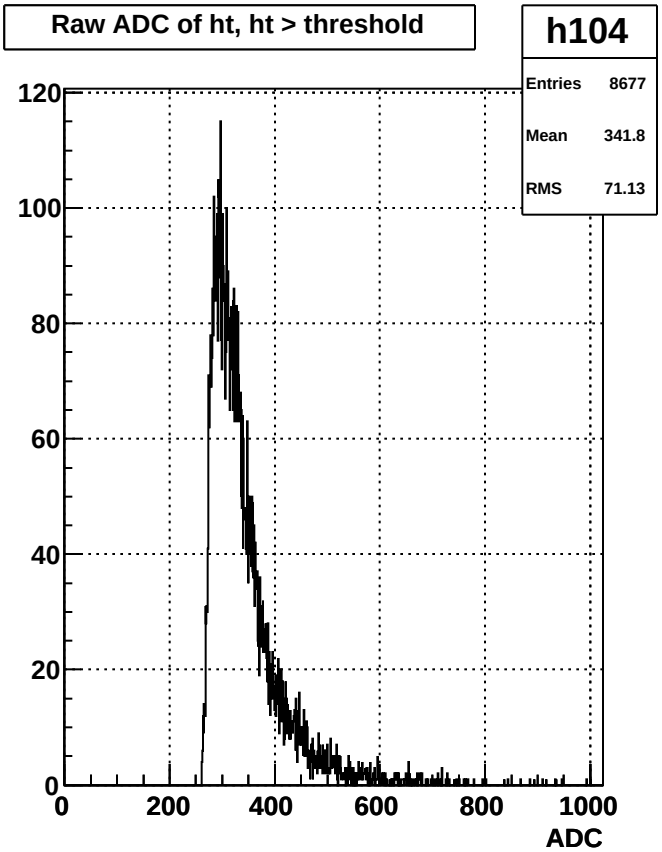

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 6018
Mean 366.7
RMS 206.3
0
5
10
15
20
25
30
35
40
45
0
100
200
300
400
500
600
700

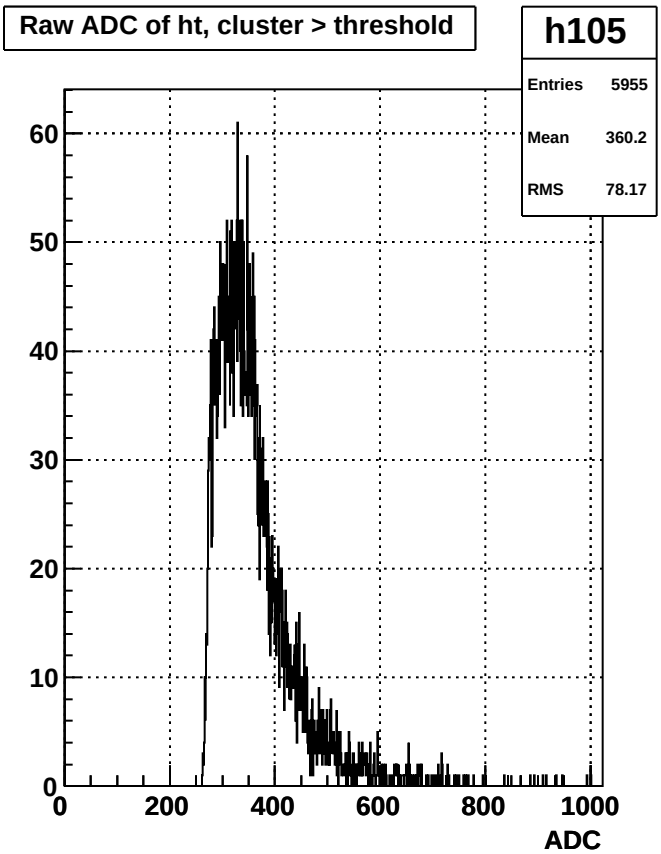

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 5955
Mean 367.1
RMS 206.1
0
5
10
15
20
25
30
35
40
45
0
100
200
300
400
500
600
700

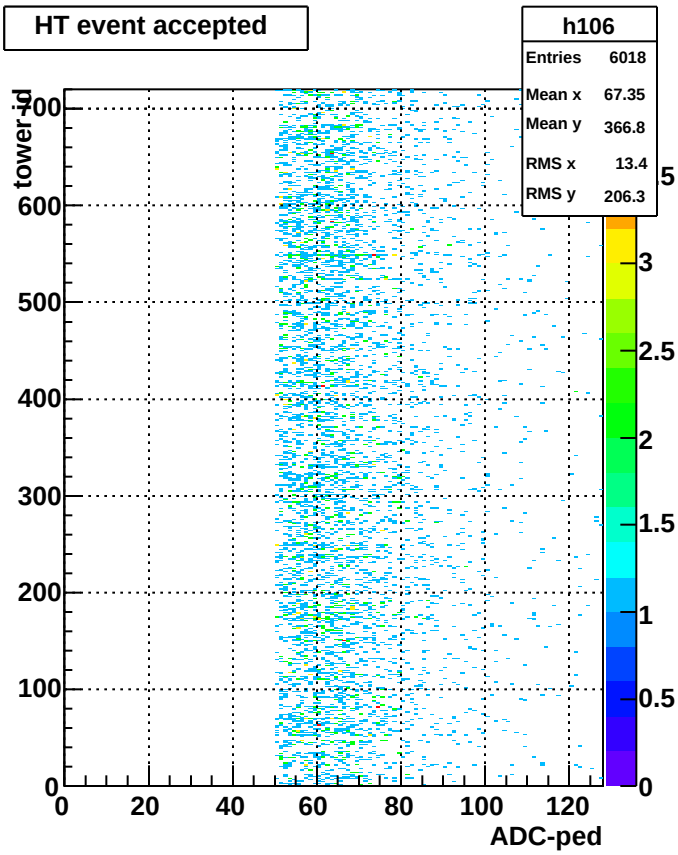

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.443
Mean y 29.98
RMS x 3.162
RMS y 17.19
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

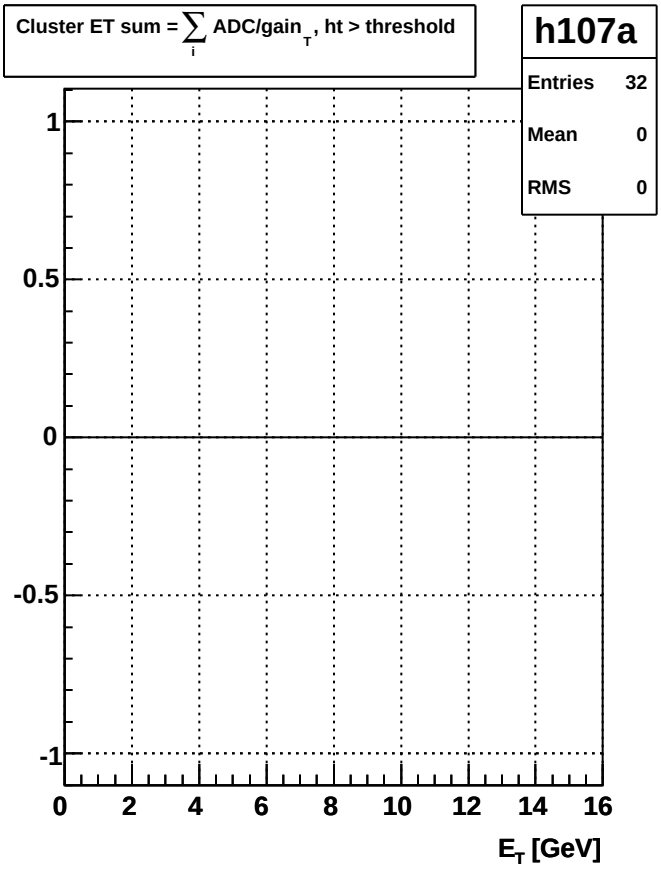

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.436
Mean y 30.01
RMS x 3.158
RMS y 17.18
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

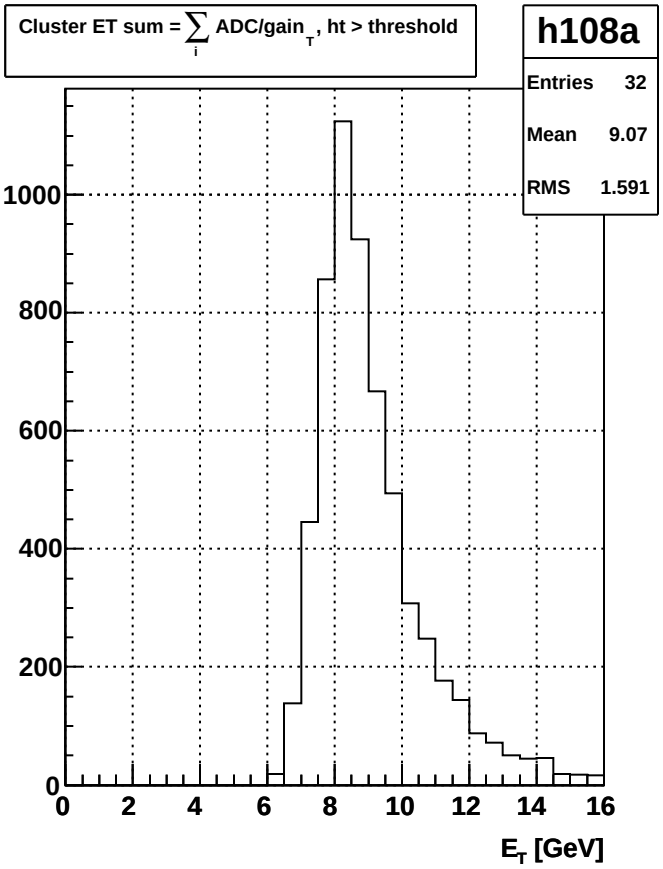

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

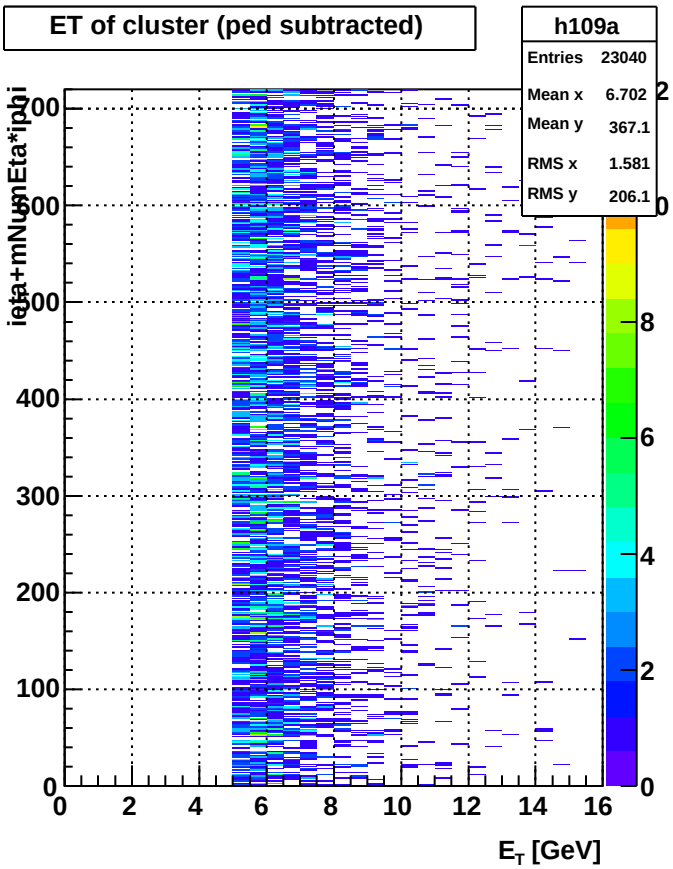

Raw ADC of ht, ht > threshold
h104
Entries 8677
Mean 341.8
RMS 71.13
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

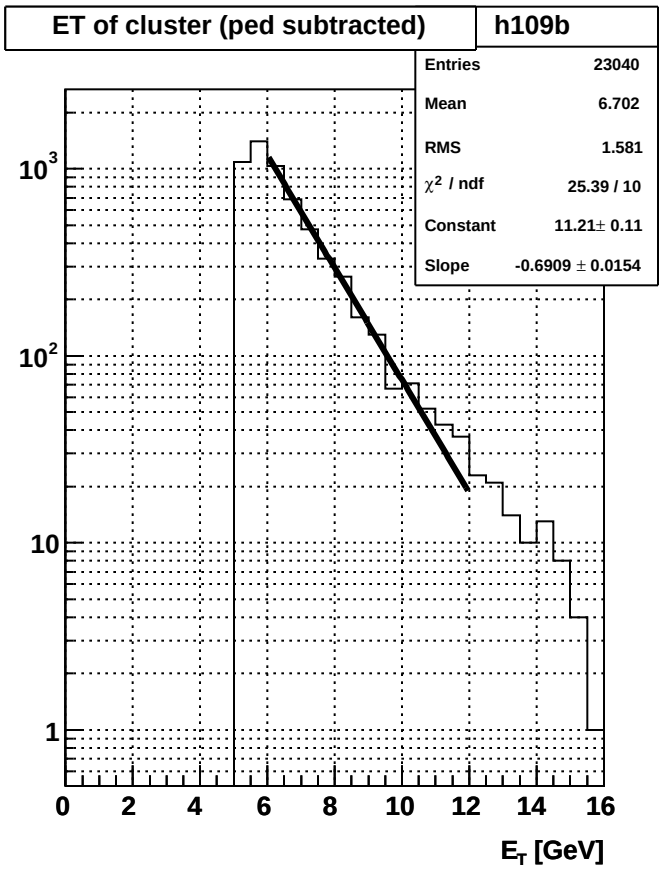

Raw ADC of ht, cluster > threshold
h105
Entries 5955
Mean 360.2
RMS 78.17
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 6018
Mean x 67.35
Mean y 366.8
RMS x 13.4
RMS y 206.3
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 9.07
RMS 1.591
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.702
Mean y 367.1
RMS x 1.581
RMS y 206.1
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.702
RMS 1.581
χ^2 / ndf 25.39 / 10
Constant 11.21± 0.11
Slope -0.6909 ± 0.0154
E_T [GeV]