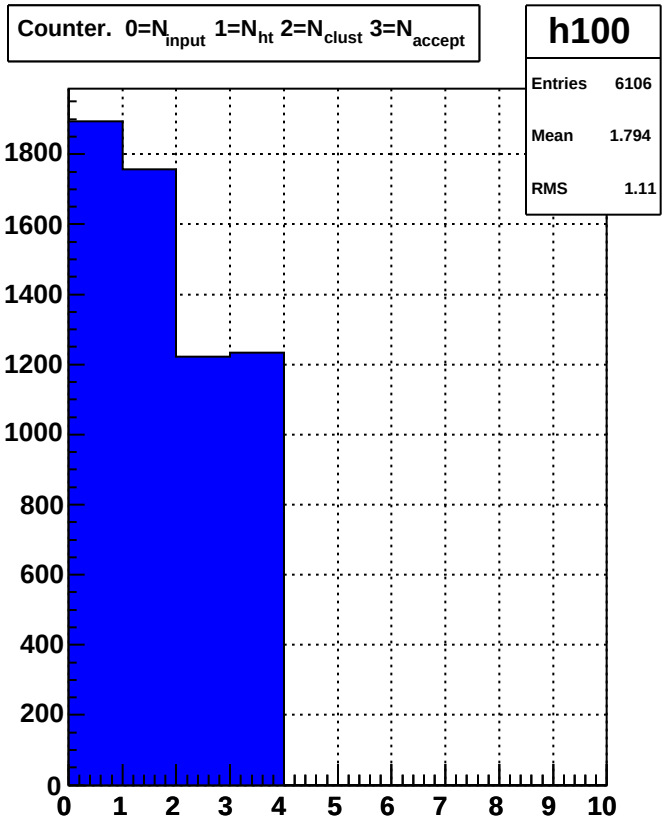
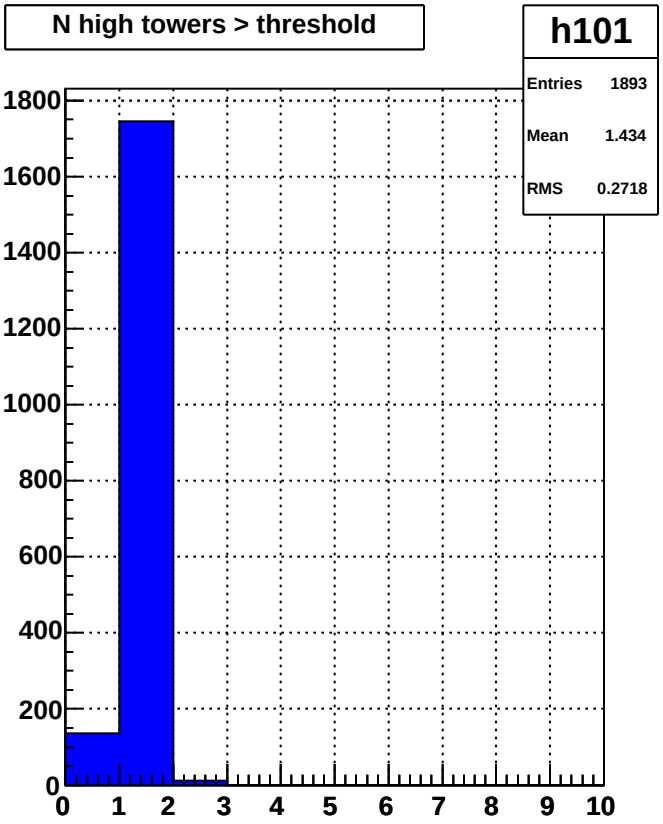
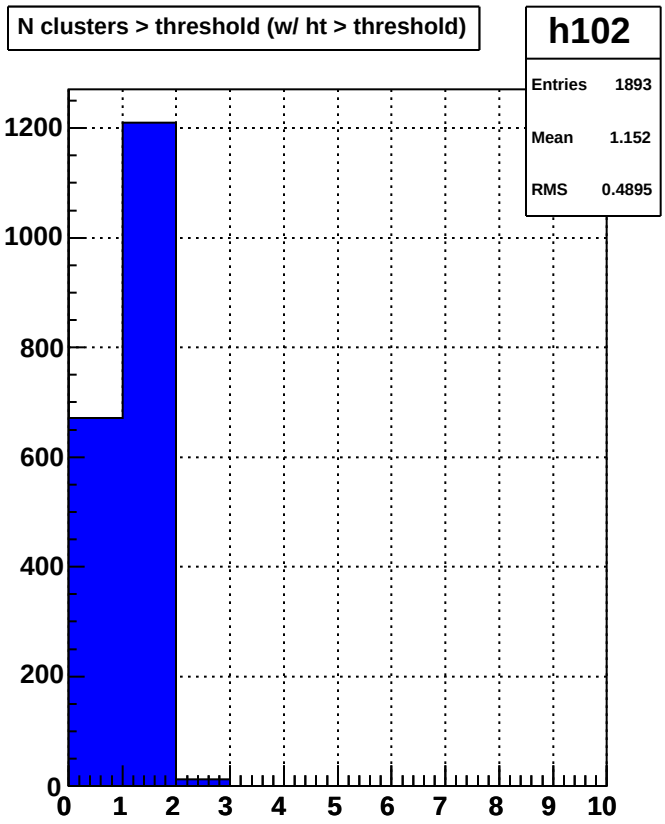
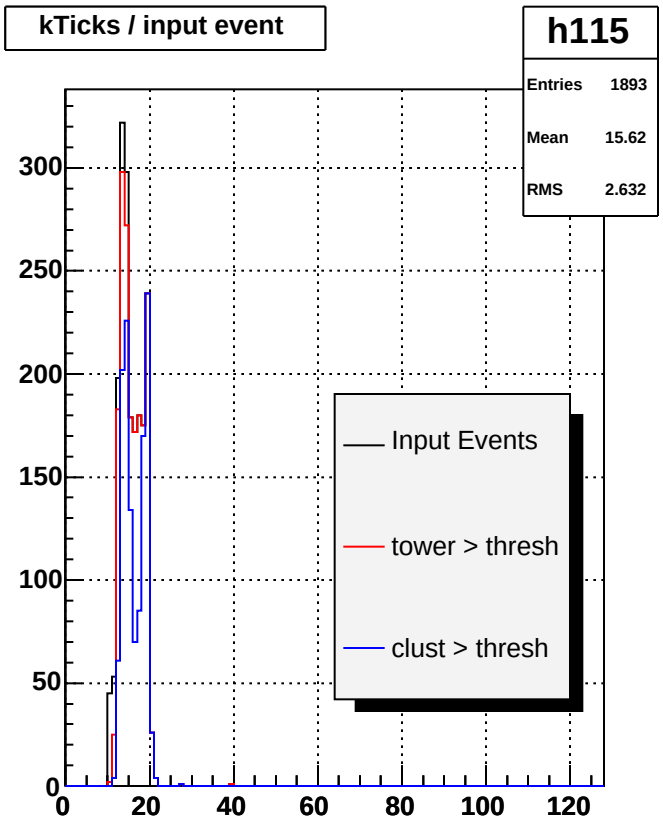
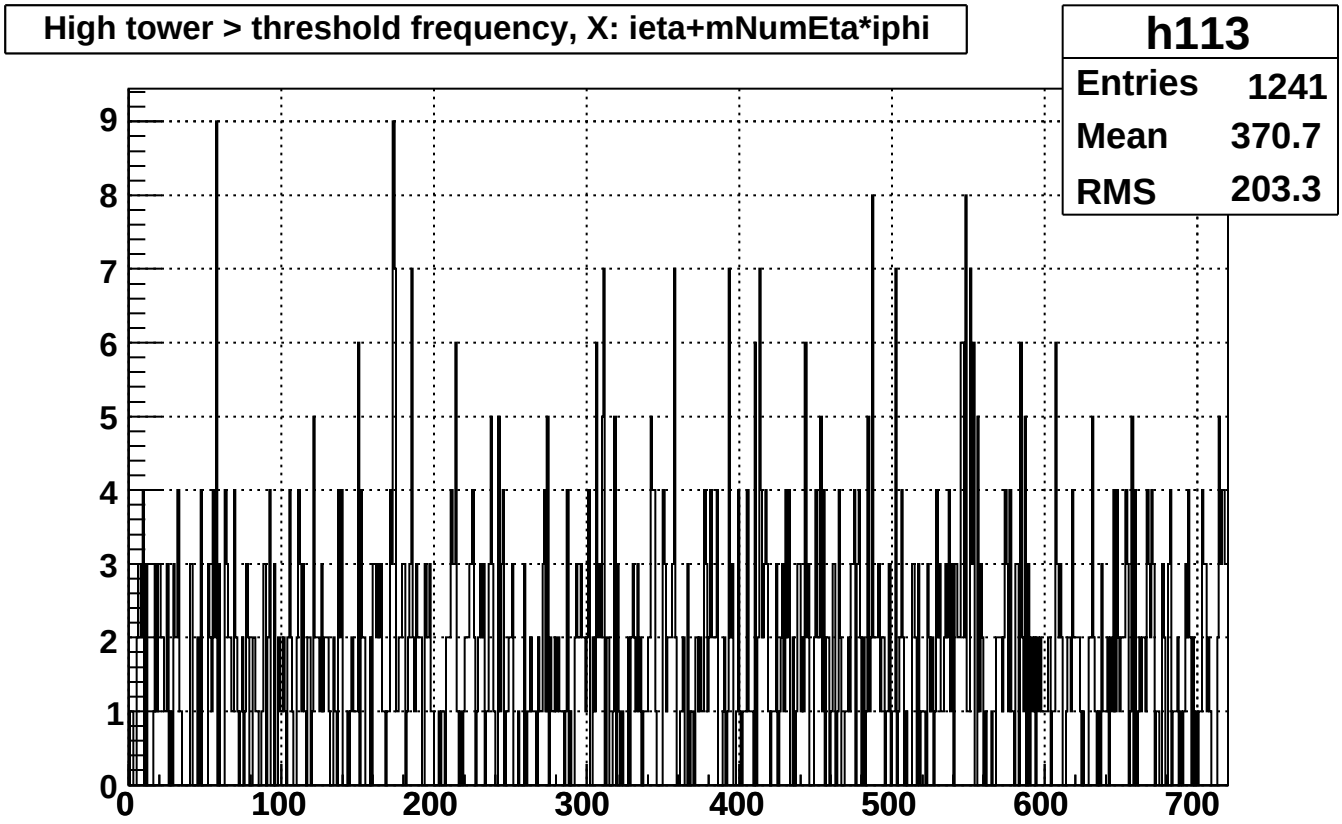
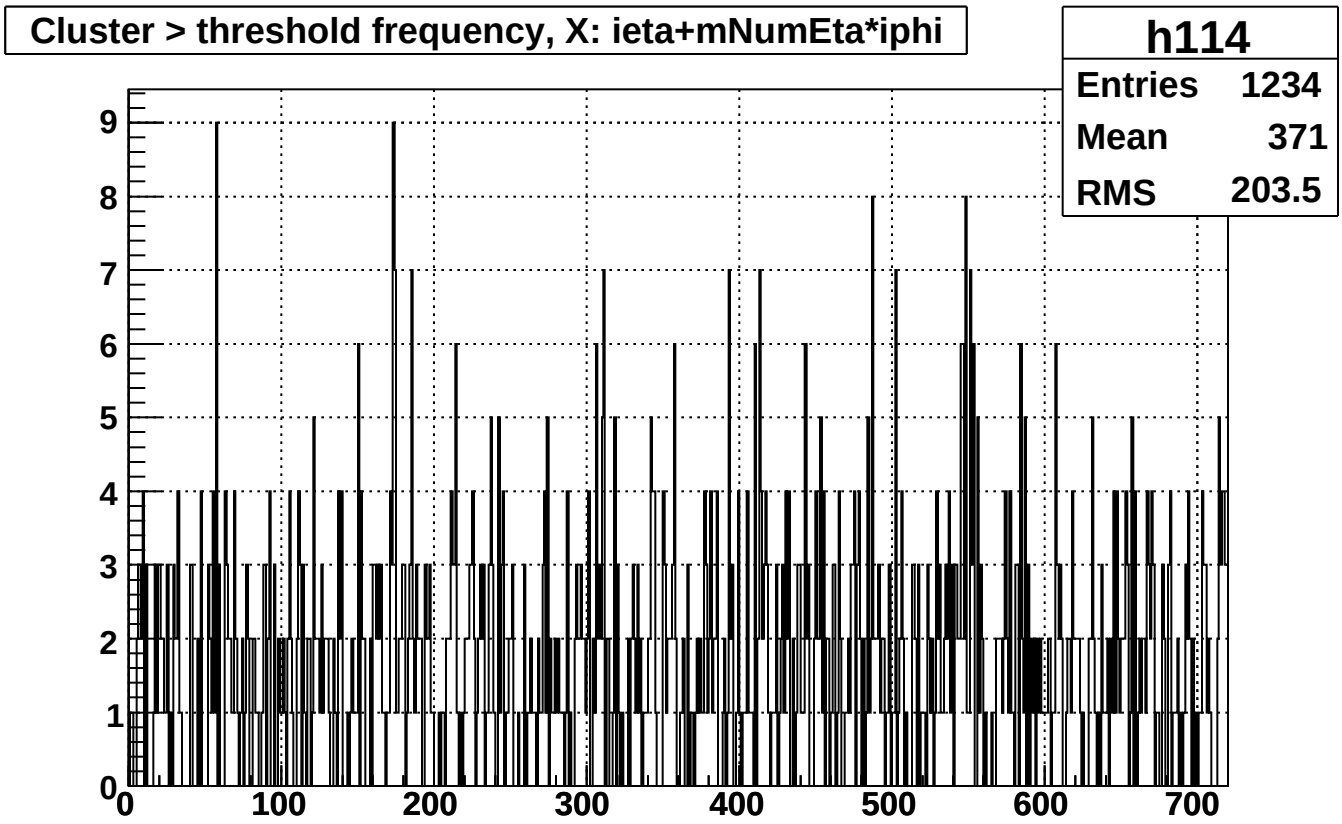

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 6106
Mean 1.794
RMS 1.11

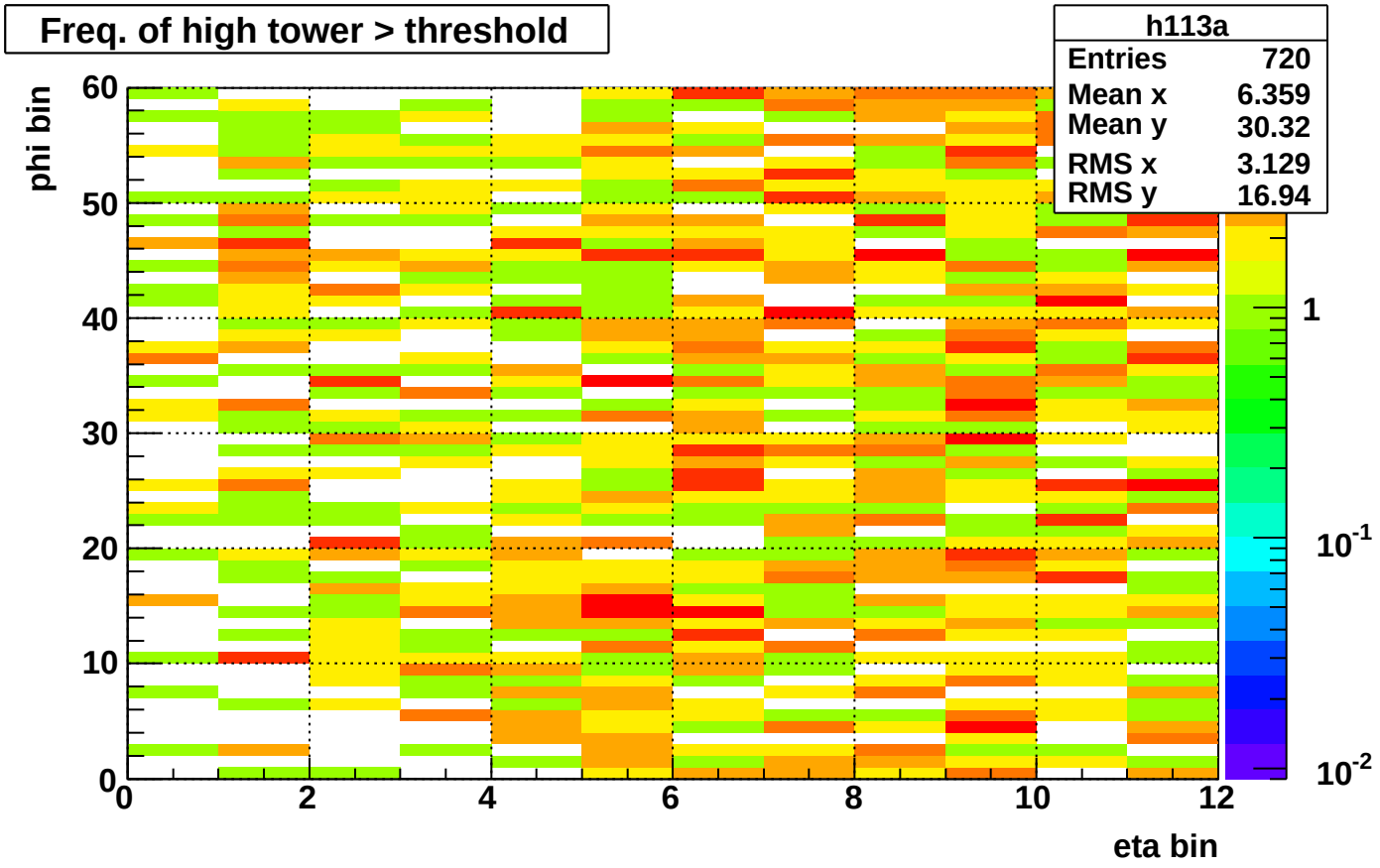

N high towers > threshold
h101
Entries 1893
Mean 1.434
RMS 0.2718

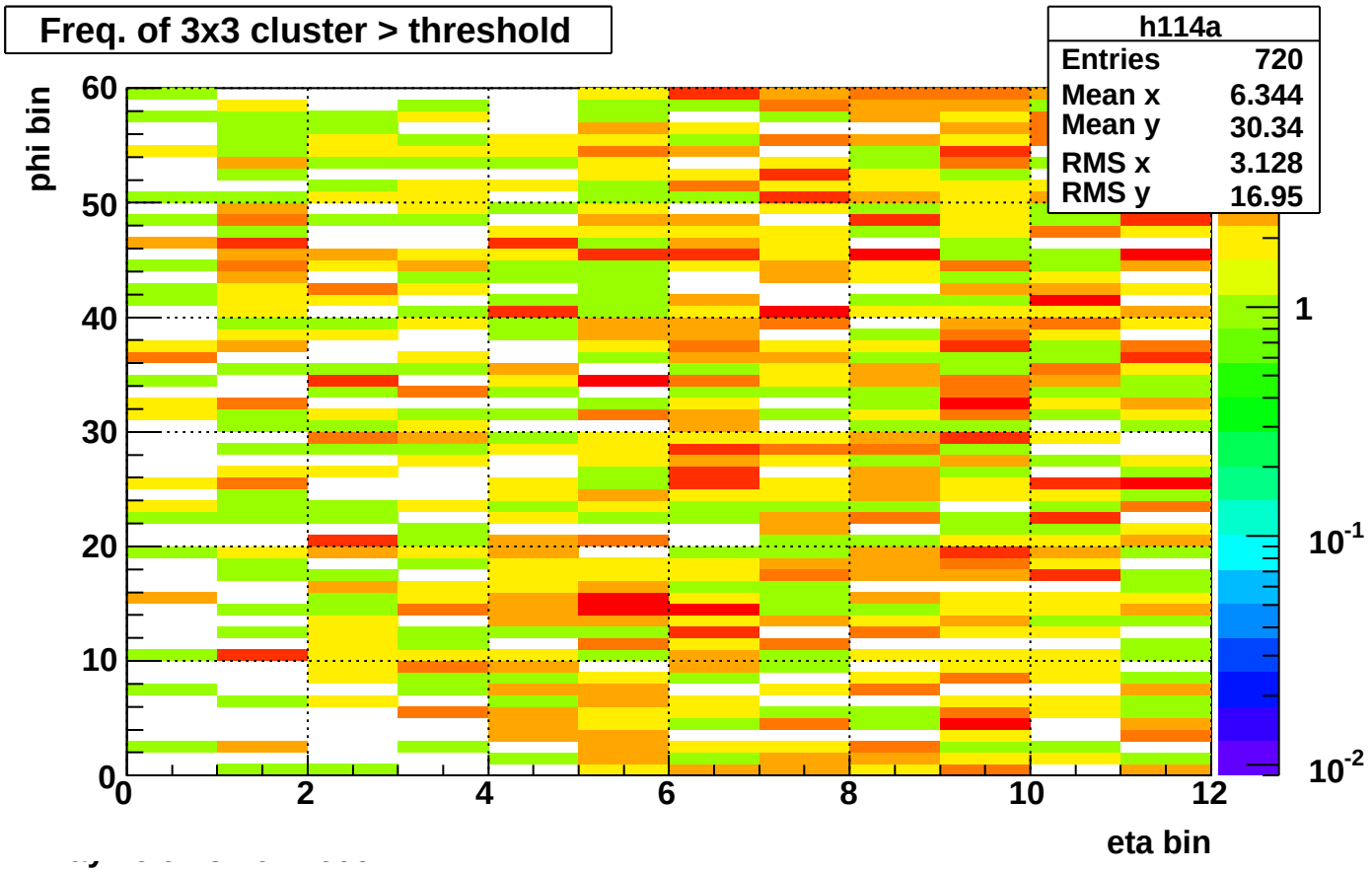

N clusters > threshold (w/ ht > threshold)
h102
Entries 1893
Mean 1.152
RMS 0.4895

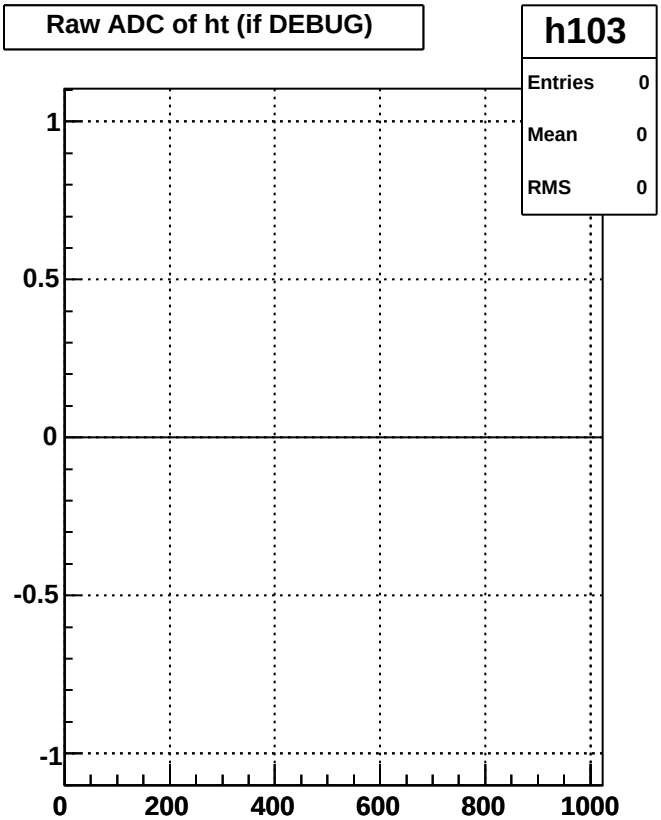

kTicks / input event
h115
Entries 1893
Mean 15.62
RMS 2.632
Input Events
tower > thresh
clust > thresh

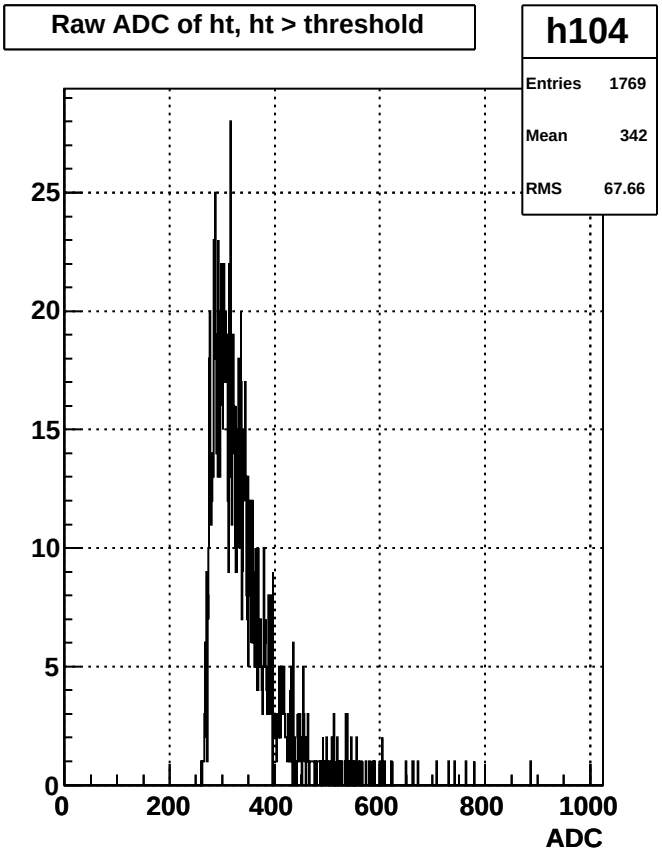

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1241
Mean 370.7
RMS 203.3
0
1
2
3
4
5
6
7
8
9
0
100
200
300
400
500
600
700

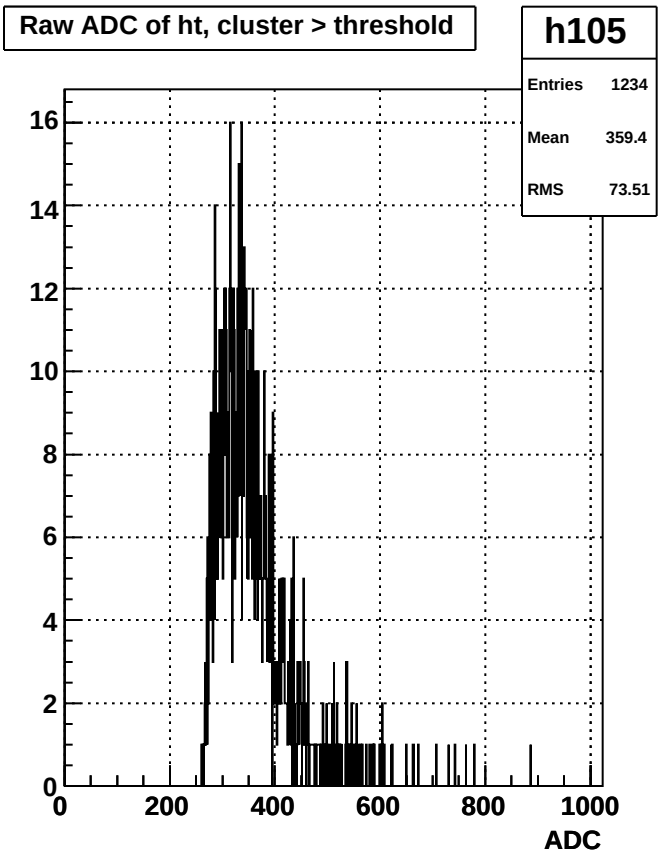

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1234
Mean 371
RMS 203.5
0
1
2
3
4
5
6
7
8
9
0
100
200
300
400
500
600
700

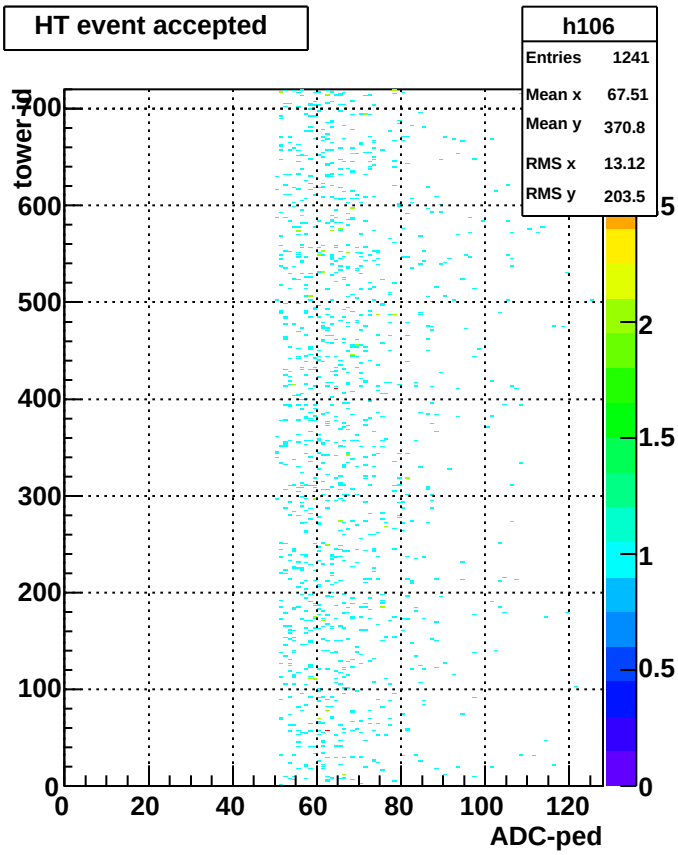

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.359
Mean y 30.32
RMS x 3.129
RMS y 16.94
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}
10^{-2}

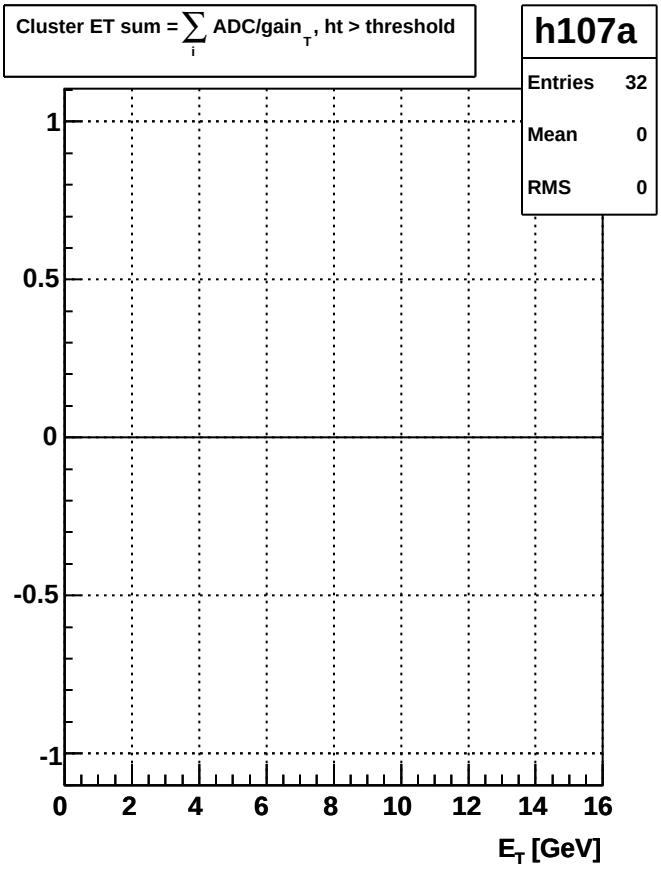

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.344
Mean y 30.34
RMS x 3.128
RMS y 16.95
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}
10^{-2}

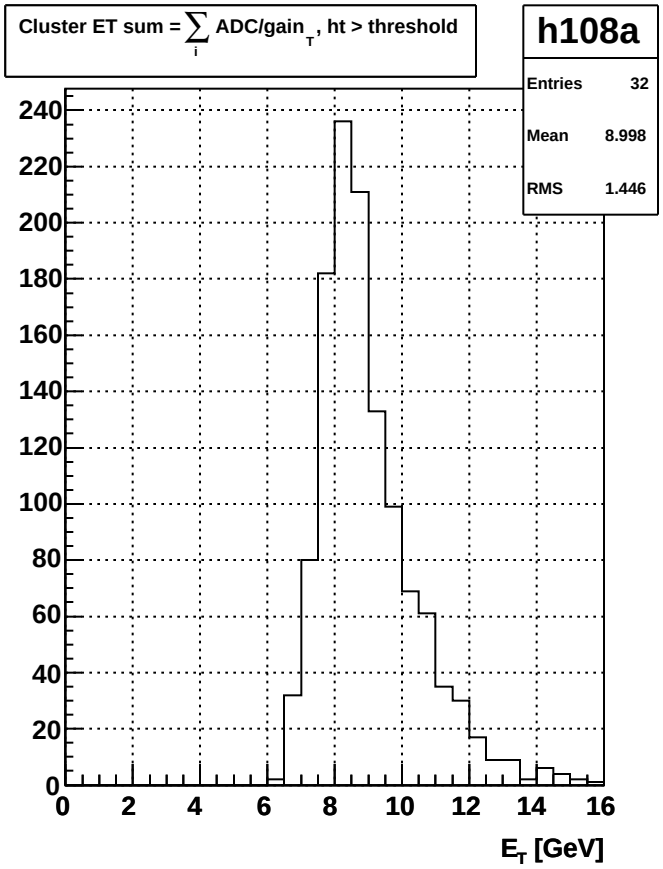

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

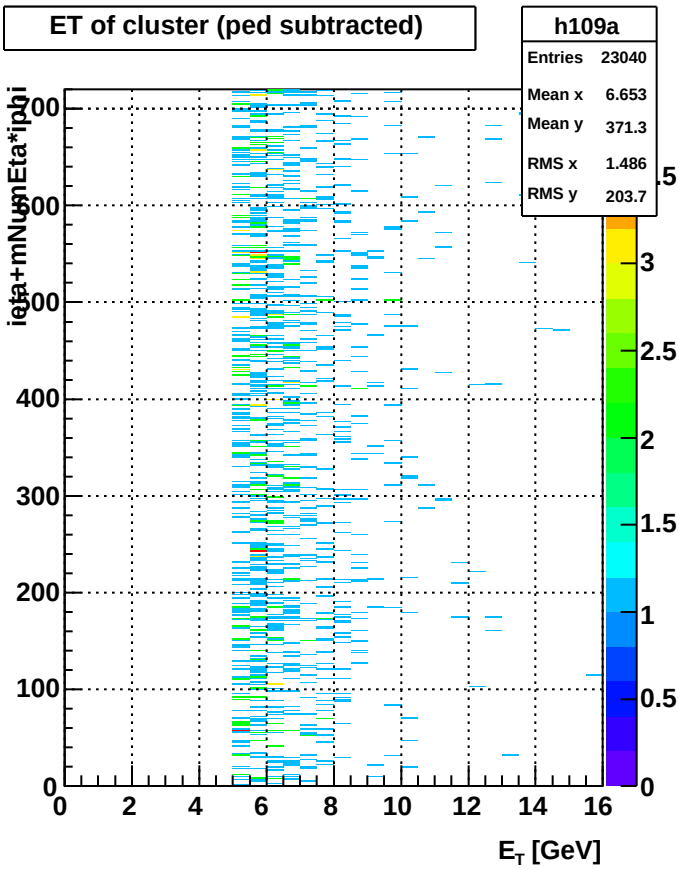

Raw ADC of ht, ht > threshold
h104
Entries 1769
Mean 342
RMS 67.66
25
20
15
10
5
0
0
200
400
600
800
1000
ADC

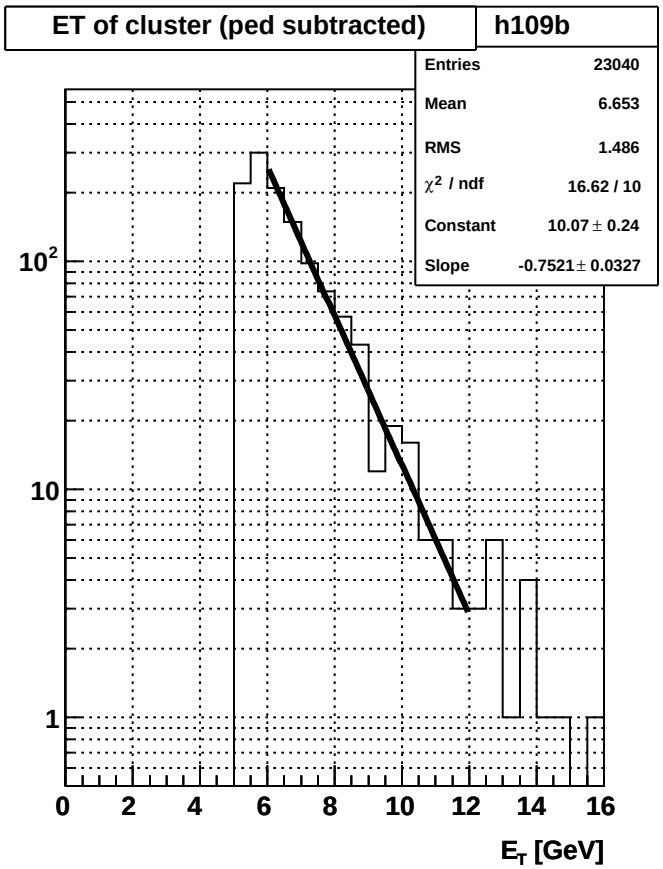

Raw ADC of ht, cluster > threshold
h105
Entries 1234
Mean 359.4
RMS 73.51
16
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1241
Mean x 67.51
Mean y 370.8
RMS x 13.12
RMS y 203.5
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 8.998
RMS 1.446
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.653
Mean y 371.3
RMS x 1.486
RMS y 203.7
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.653
RMS 1.486
χ^2 / ndf 16.62 / 10
Constant 10.07 ± 0.24
Slope -0.7521 ± 0.0327
E_T [GeV]