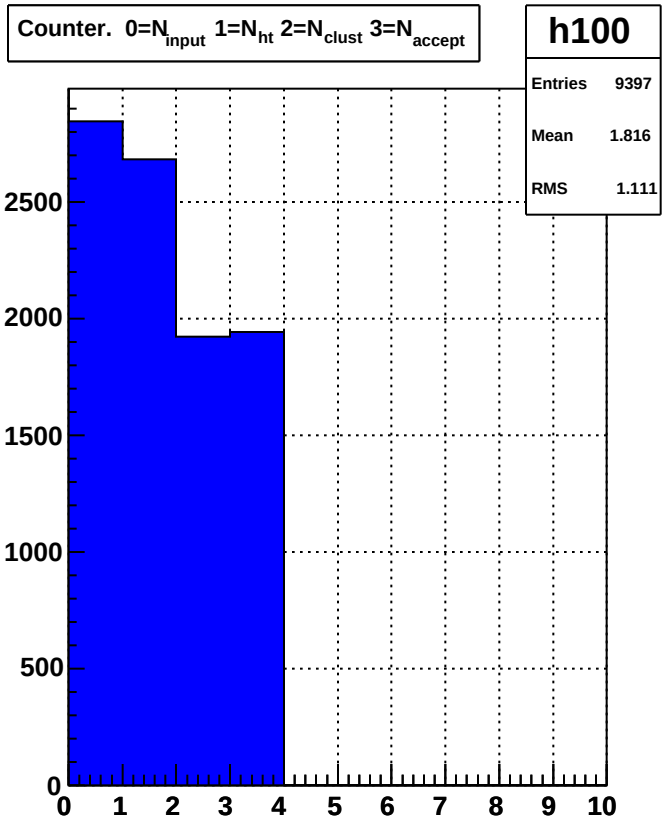
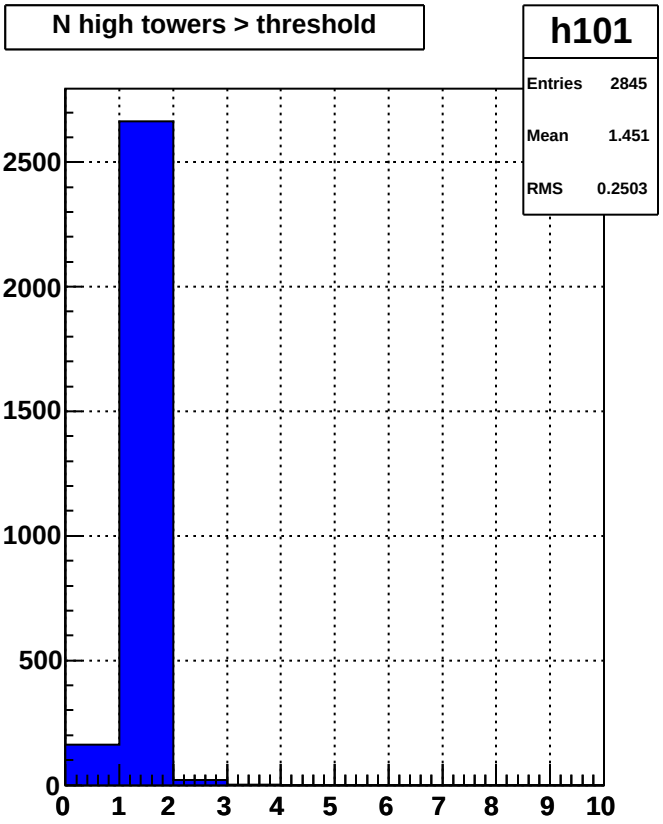
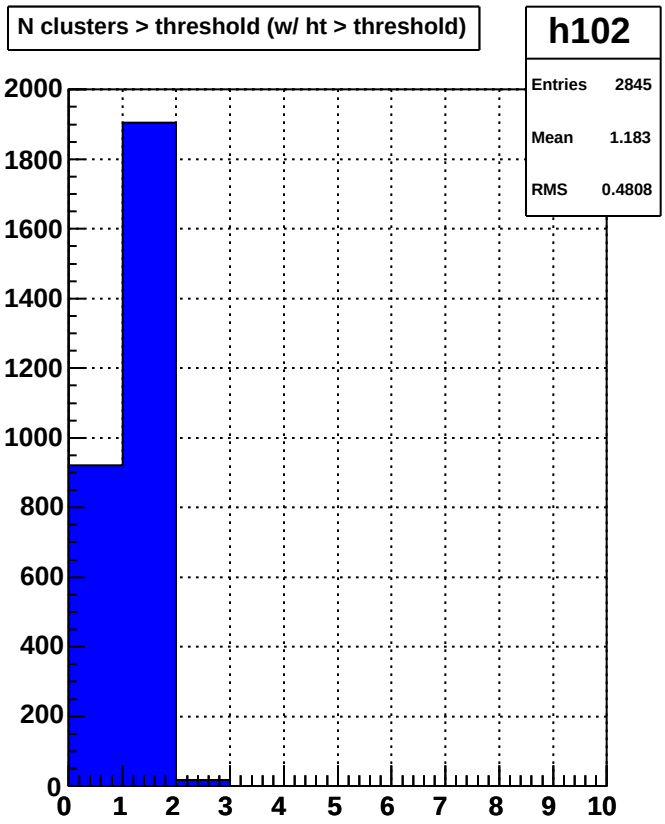
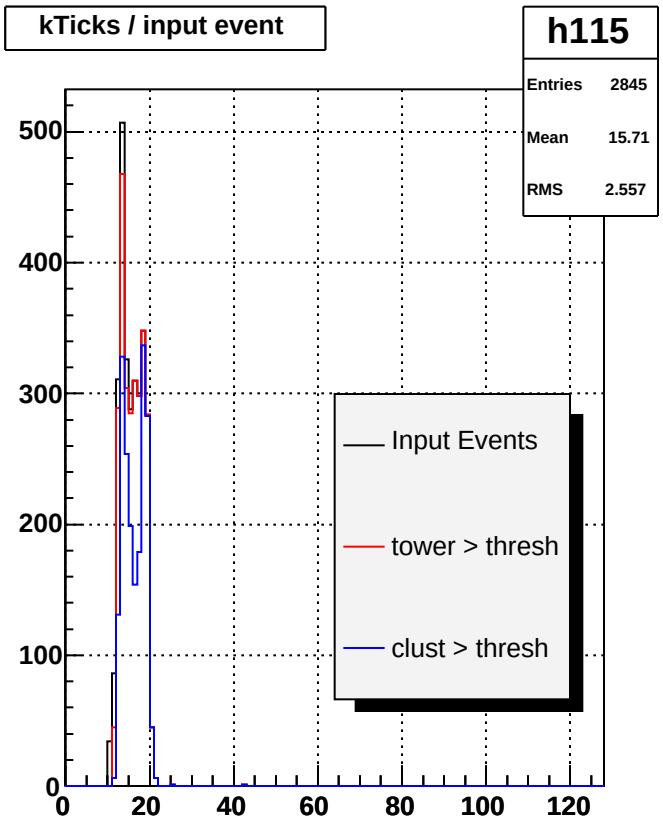
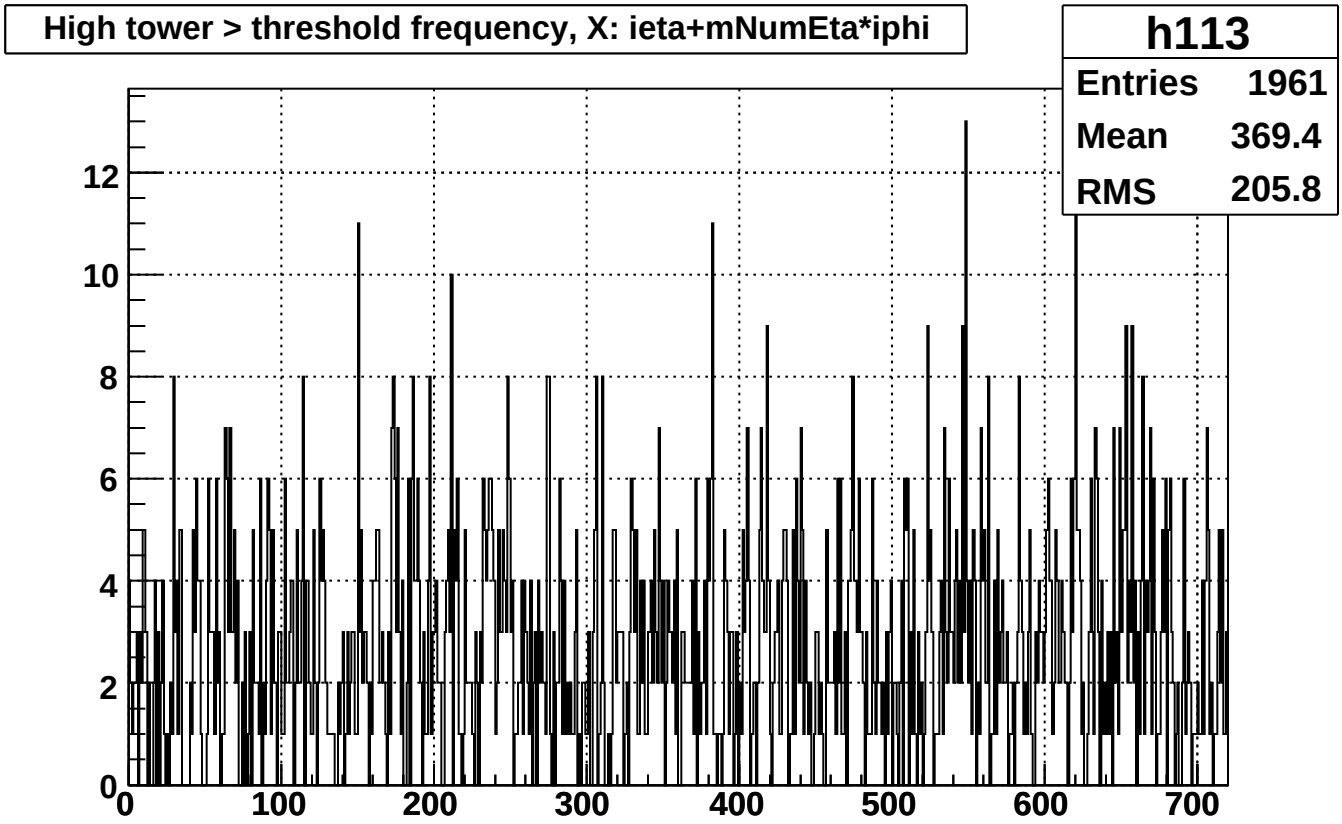
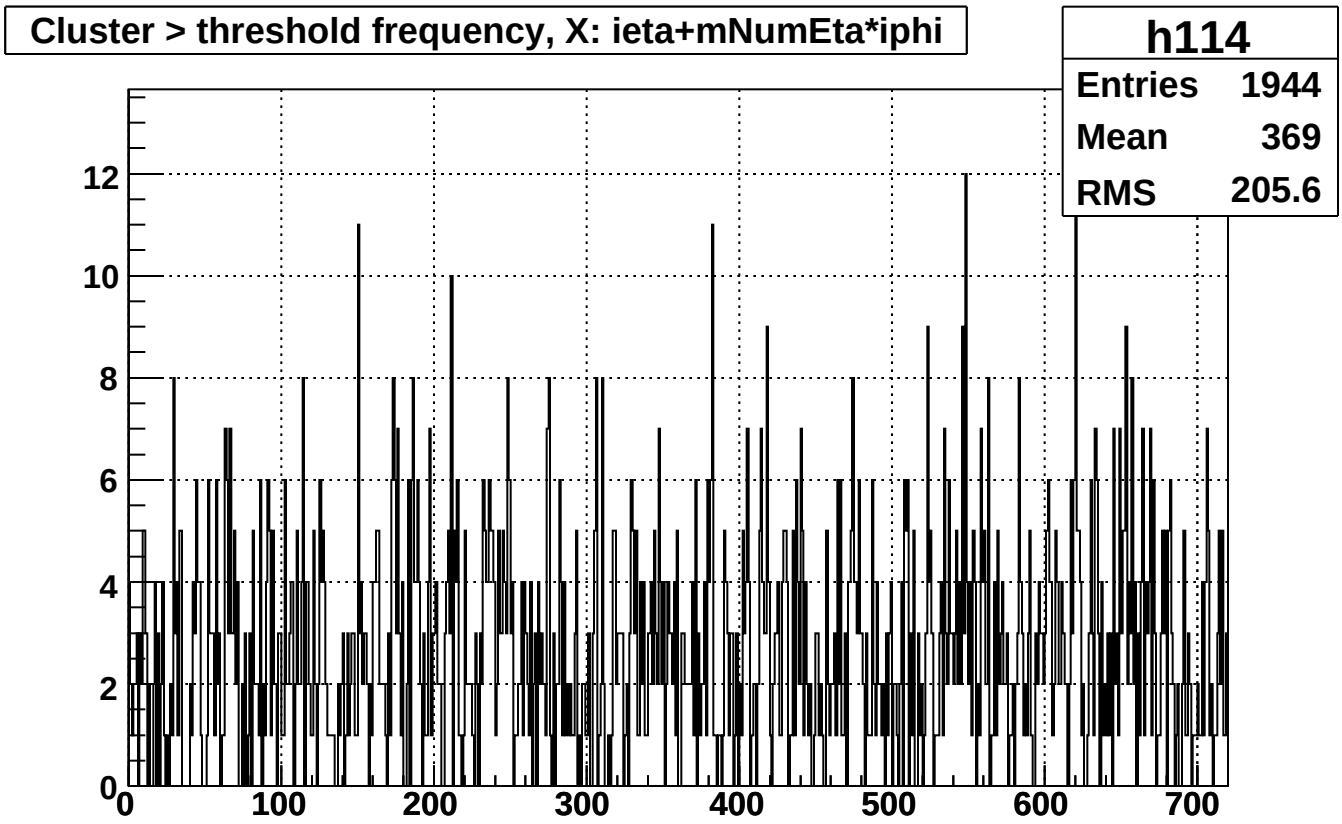

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 9397
Mean 1.816
RMS 1.111
0
500
1000
1500
2000
2500
0 1 2 3 4 5 6 7 8 9 10

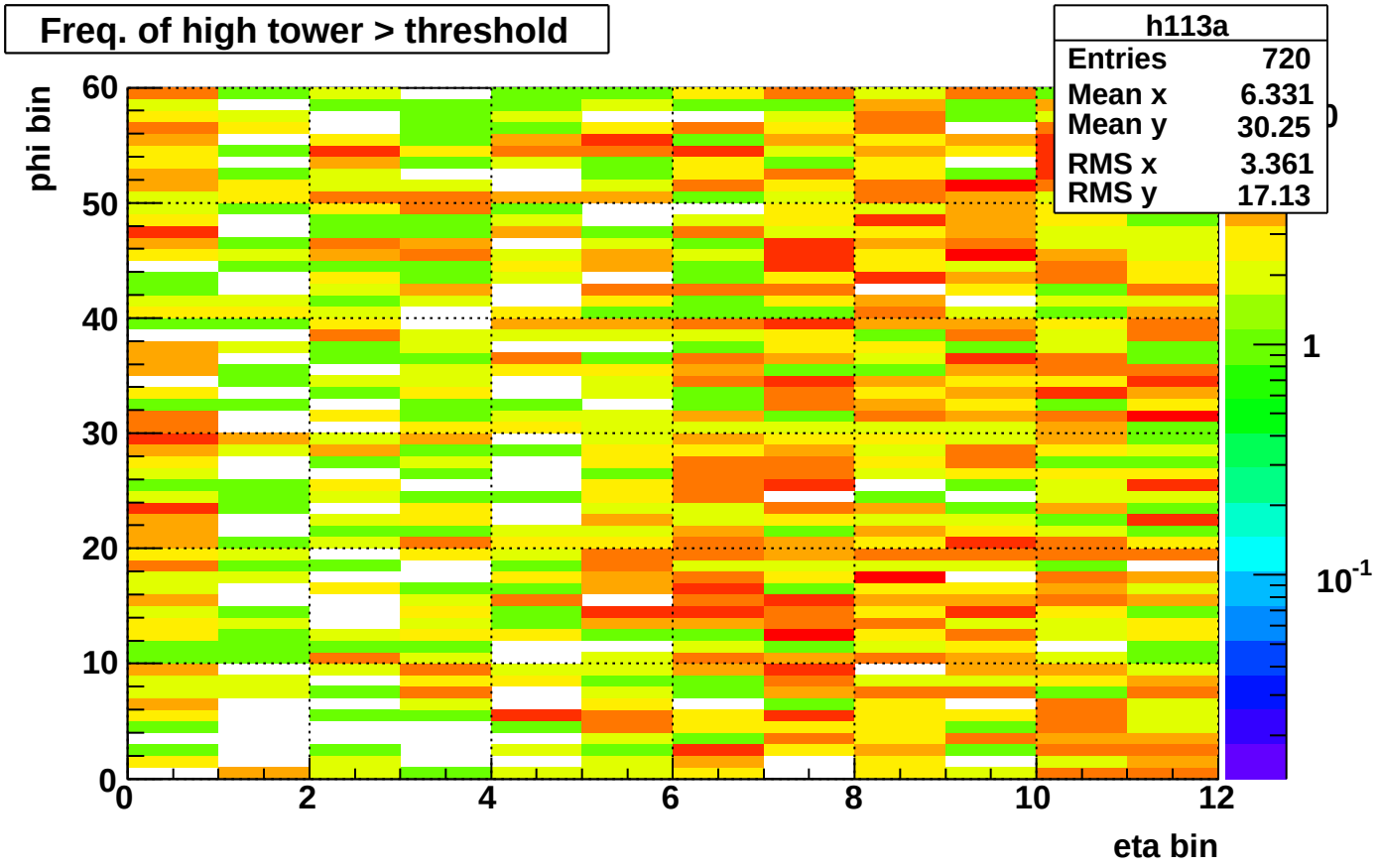

N high towers > threshold
h101
Entries 2845
Mean 1.451
RMS 0.2503
0
500
1000
1500
2000
2500
0 1 2 3 4 5 6 7 8 9 10

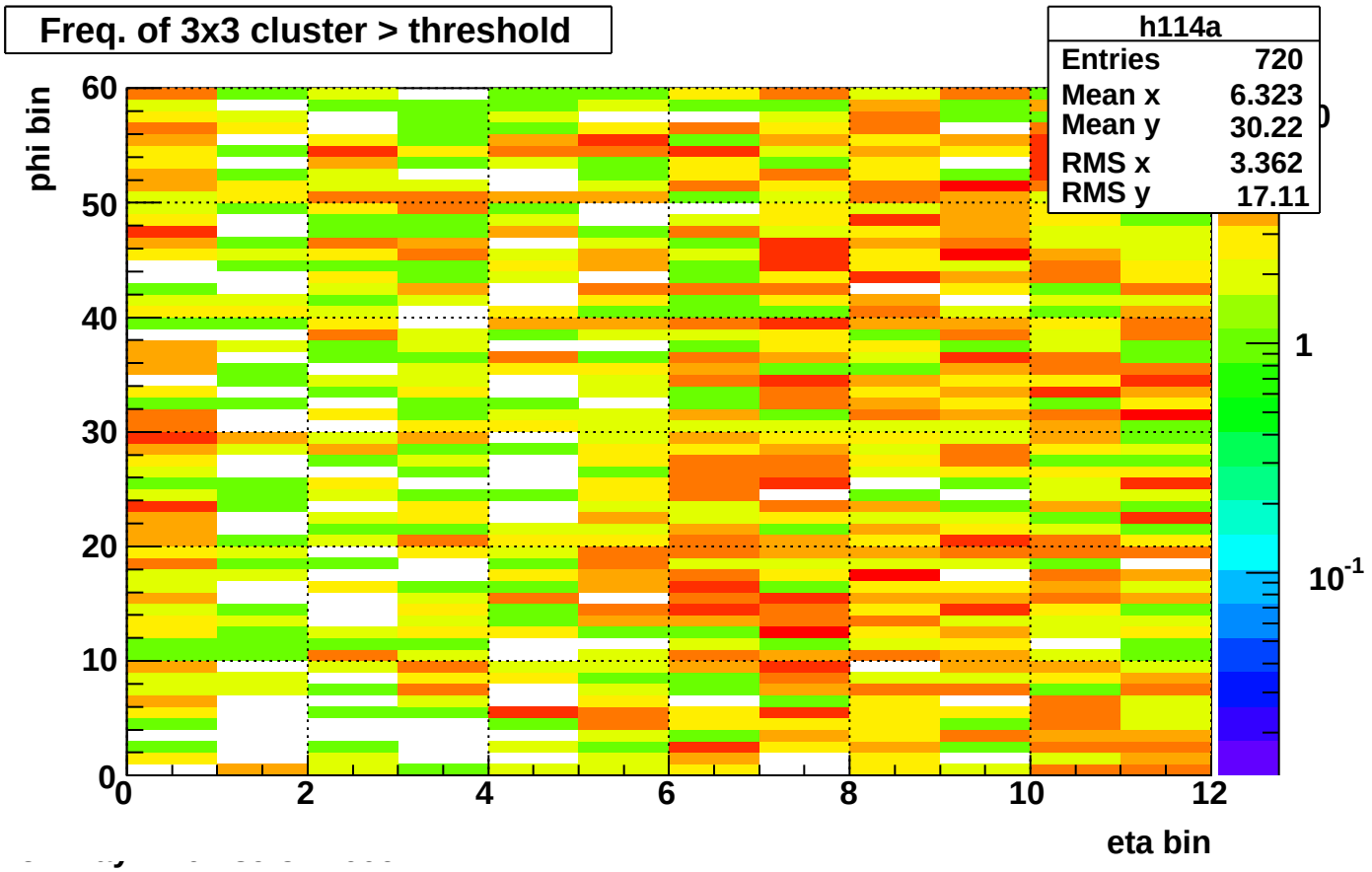

N clusters > threshold (w/ ht > threshold)
h102
Entries 2845
Mean 1.183
RMS 0.4808
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0 1 2 3 4 5 6 7 8 9 10

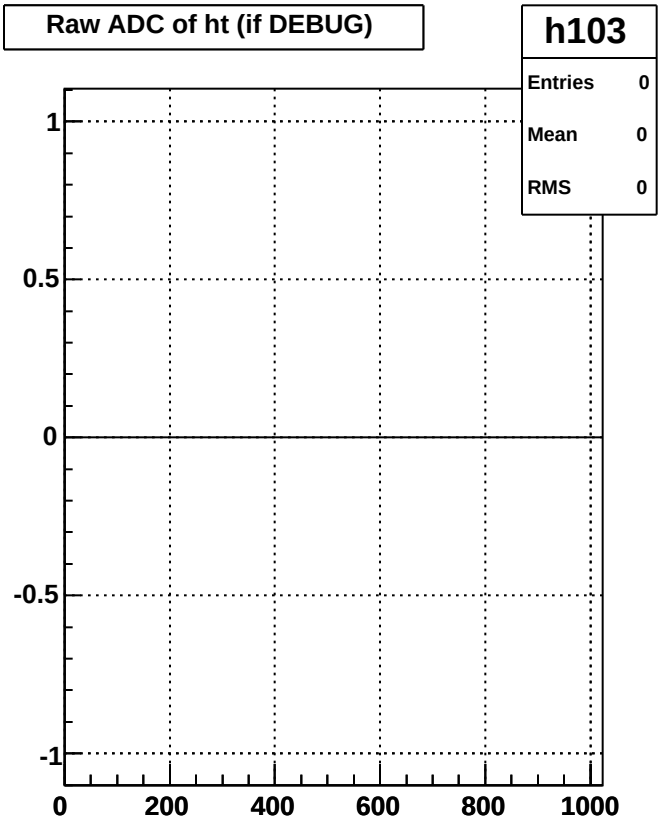

kTicks / input event
h115
Entries 2845
Mean 15.71
RMS 2.557
0
100
200
300
400
500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

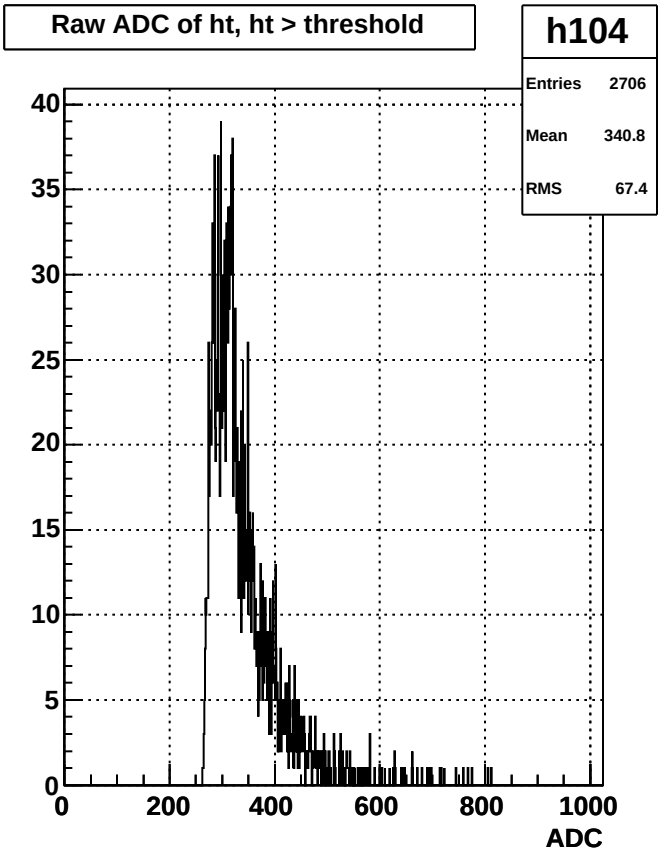

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1961
Mean 369.4
RMS 205.8
0
2
4
6
8
10
12
0
100
200
300
400
500
600
700

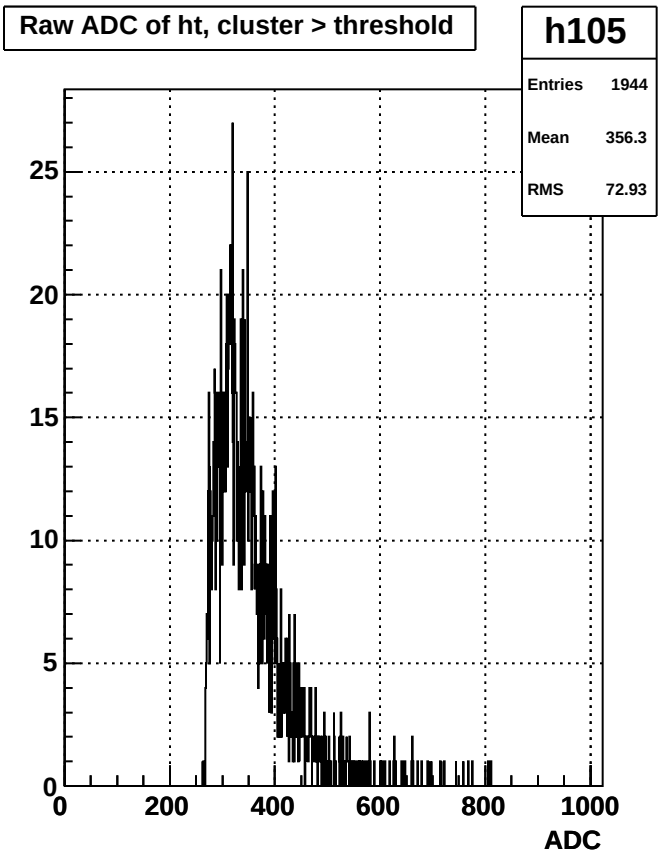

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1944
Mean 369
RMS 205.6
0
2
4
6
8
10
12
0
100
200
300
400
500
600
700

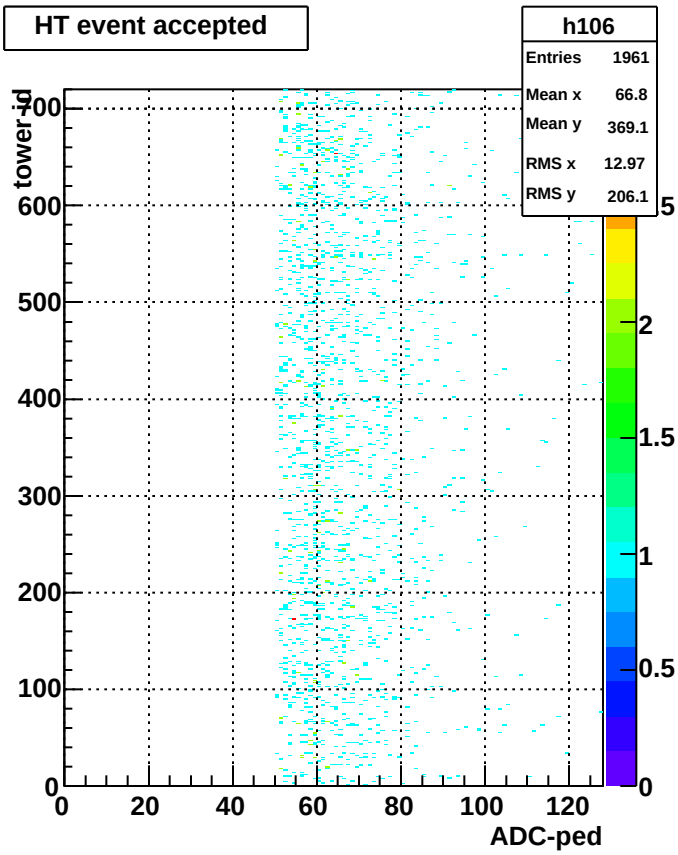

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.331
Mean y 30.25
RMS x 3.361
RMS y 17.13
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

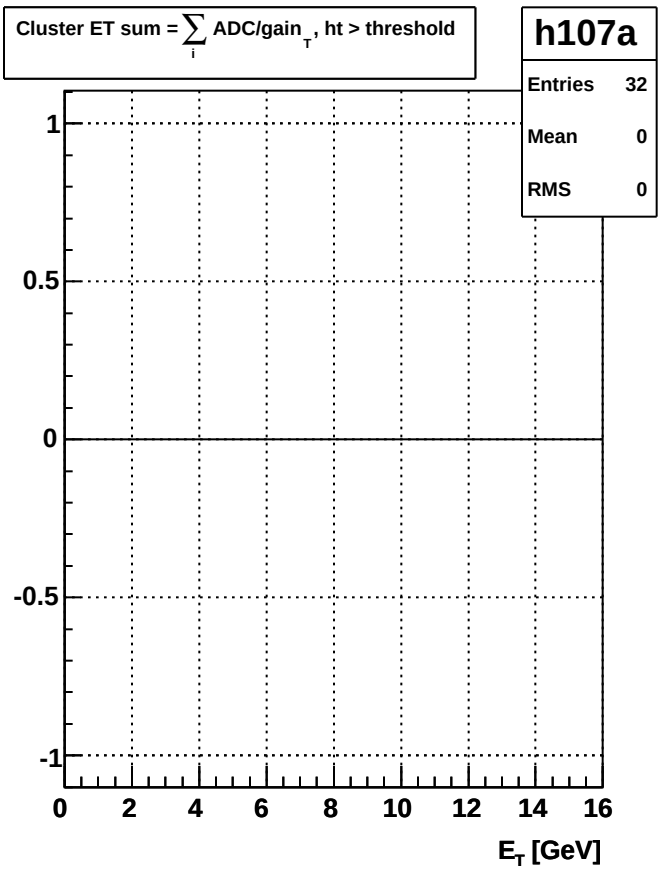

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.323
Mean y 30.22
RMS x 3.362
RMS y 17.11
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

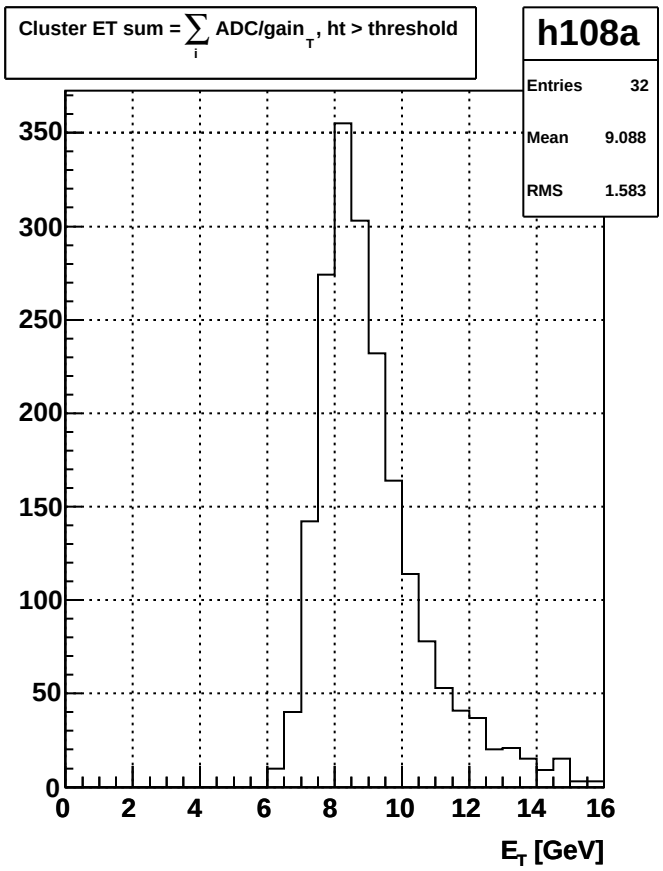

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

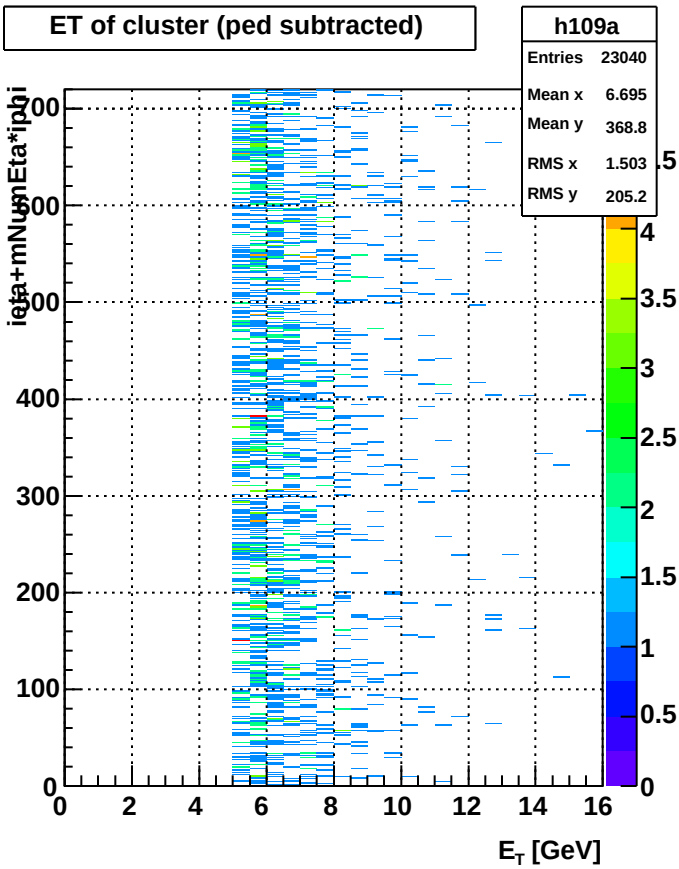

Raw ADC of ht, ht > threshold
h104
Entries 2706
Mean 340.8
RMS 67.4
40
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC

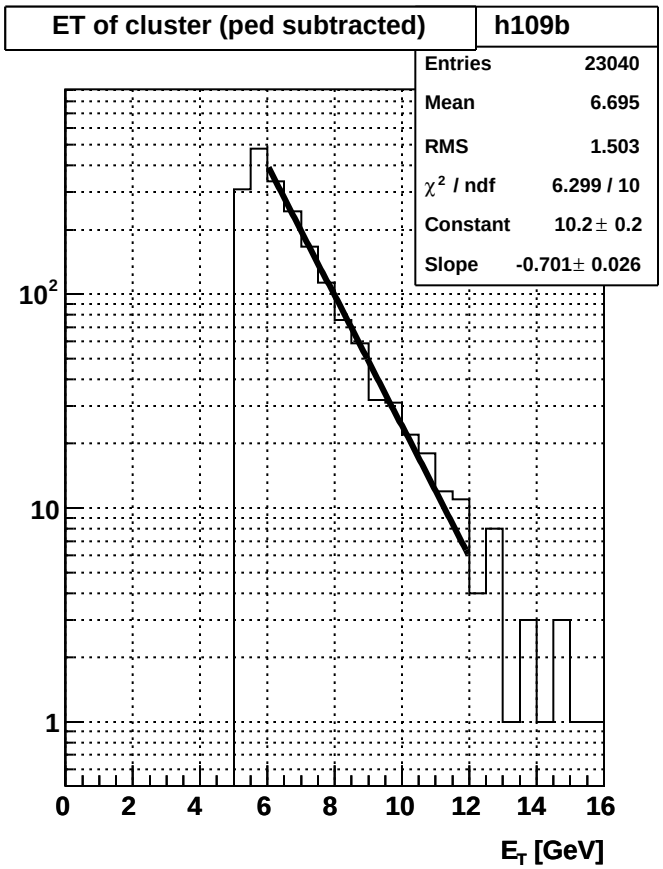

Raw ADC of ht, cluster > threshold
h105
Entries 1944
Mean 356.3
RMS 72.93
25
20
15
10
5
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1961
Mean x 66.8
Mean y 369.1
RMS x 12.97
RMS y 206.1
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 9.088
RMS 1.583
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.695
Mean y 368.8
RMS x 1.503
RMS y 205.2
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.695
RMS 1.503
χ^2 / ndf 6.299 / 10
Constant 10.2 ± 0.2
Slope -0.701 ± 0.026
E_T [GeV]