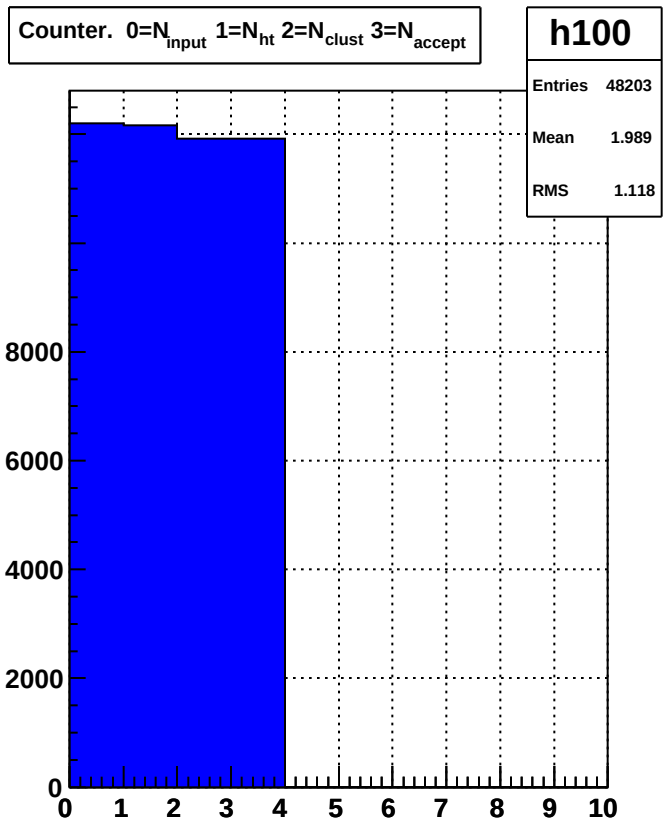
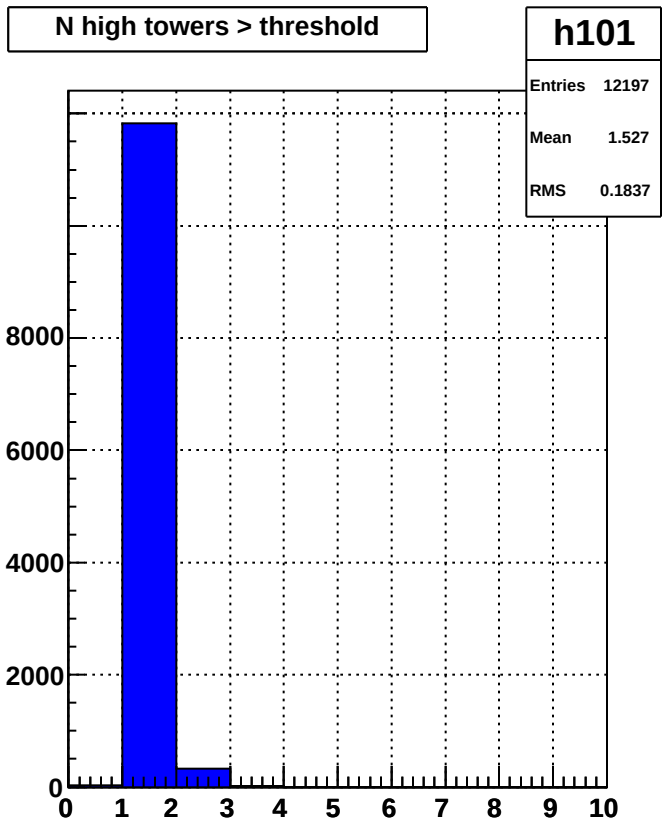
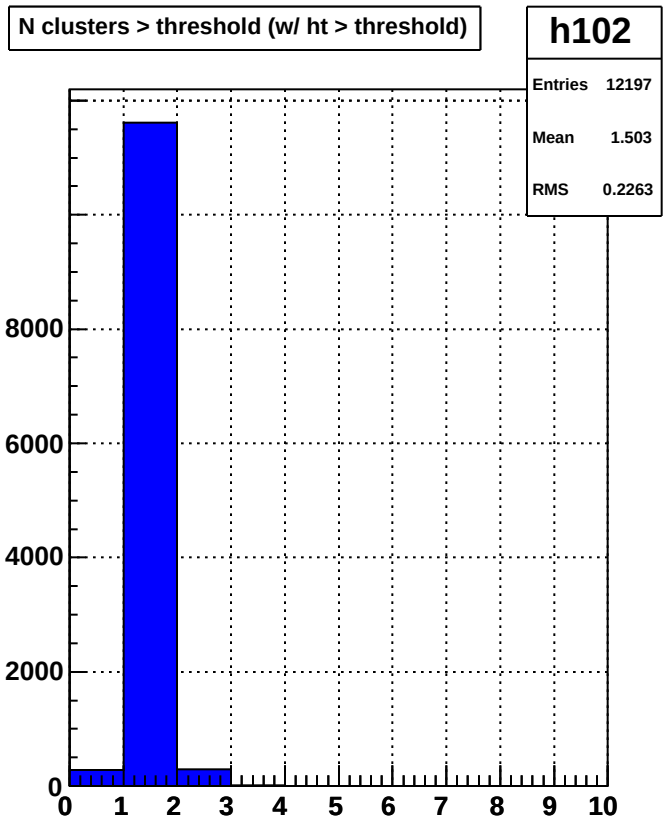
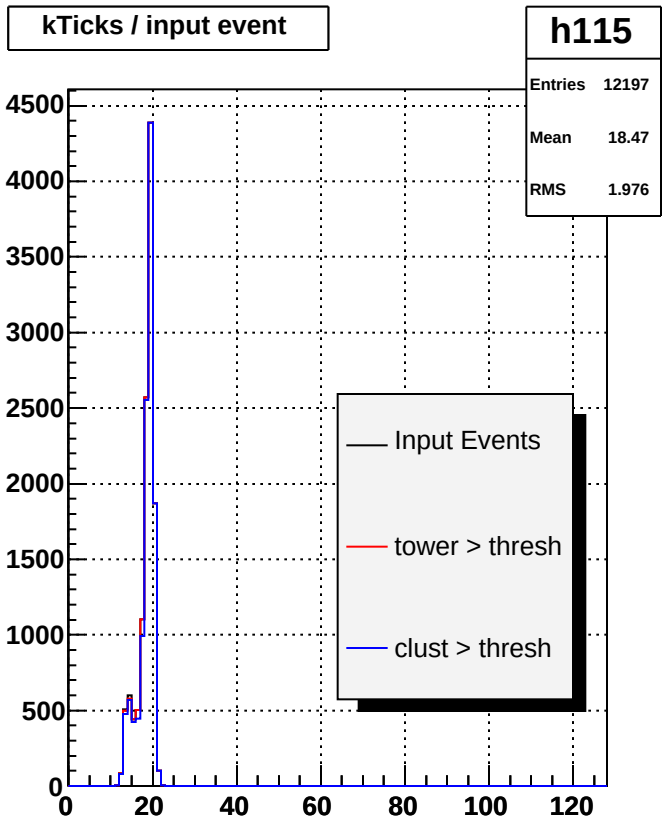
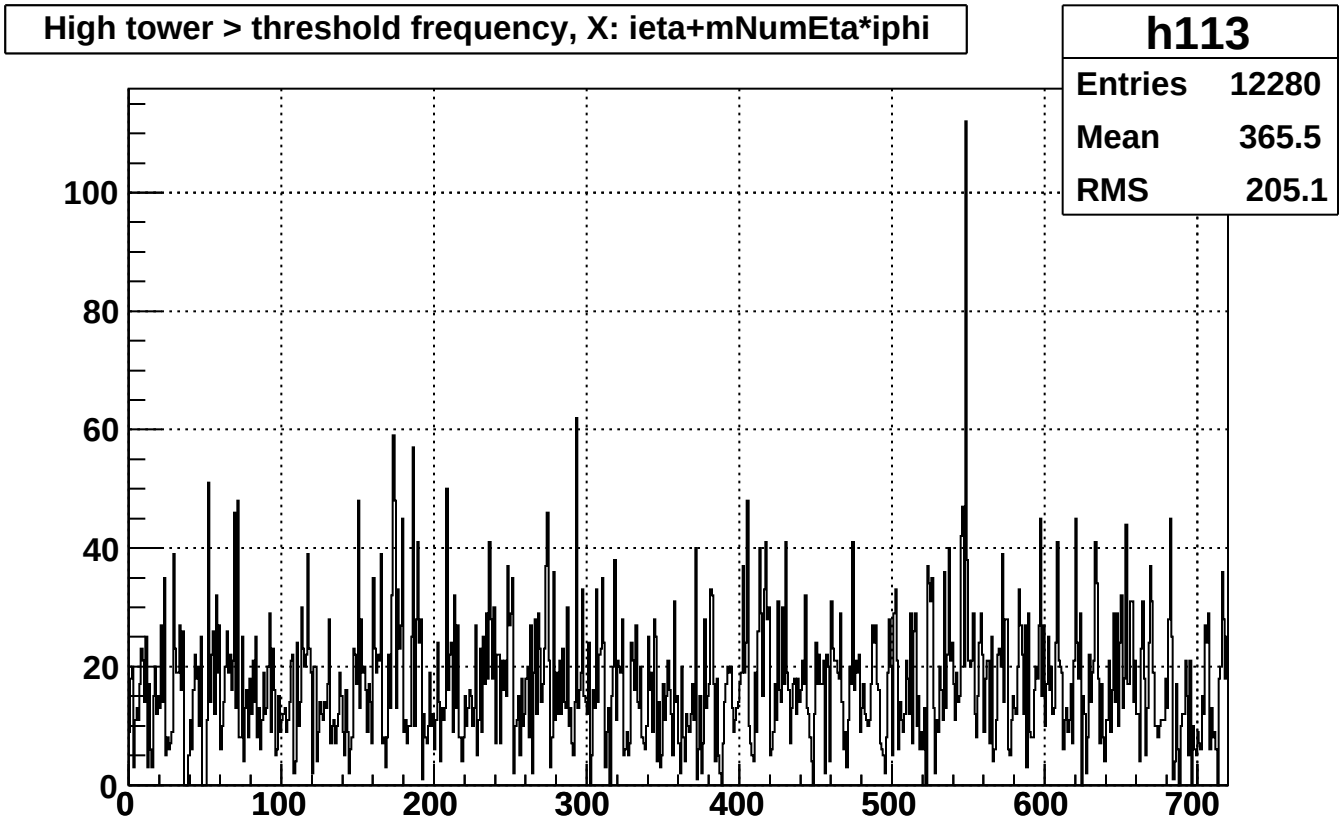
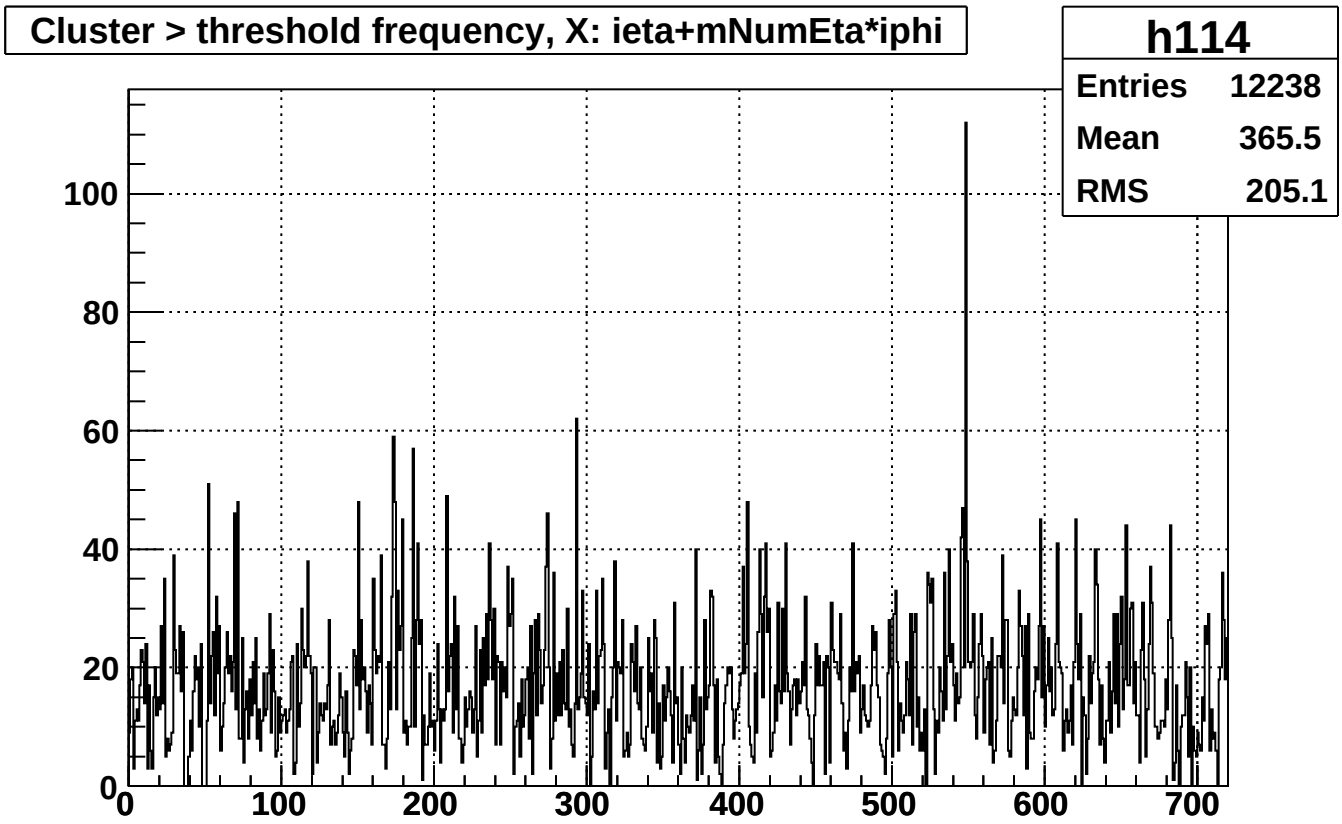

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 48203
Mean 1.989
RMS 1.118
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

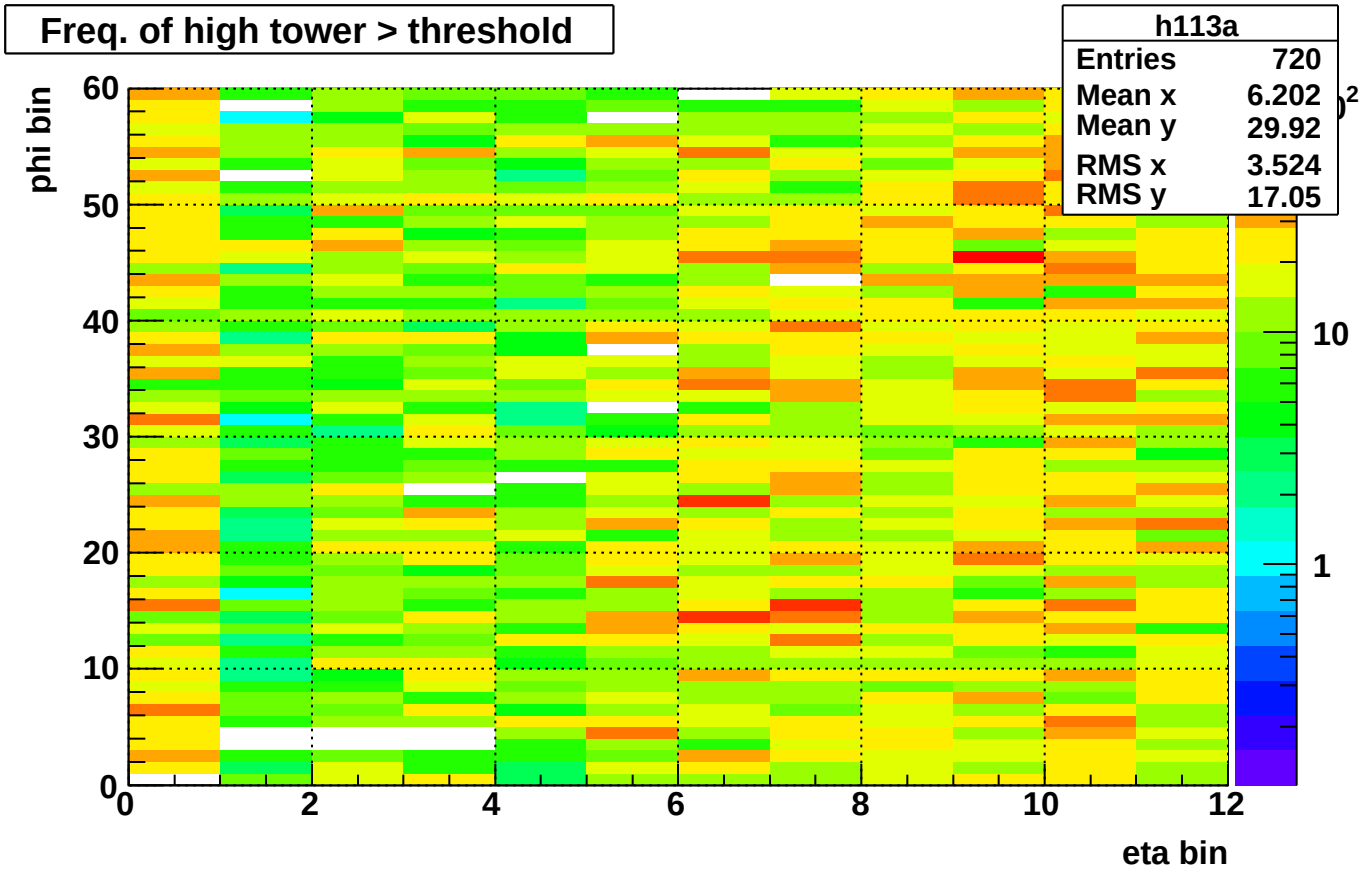

N high towers > threshold
h101
Entries 12197
Mean 1.527
RMS 0.1837
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

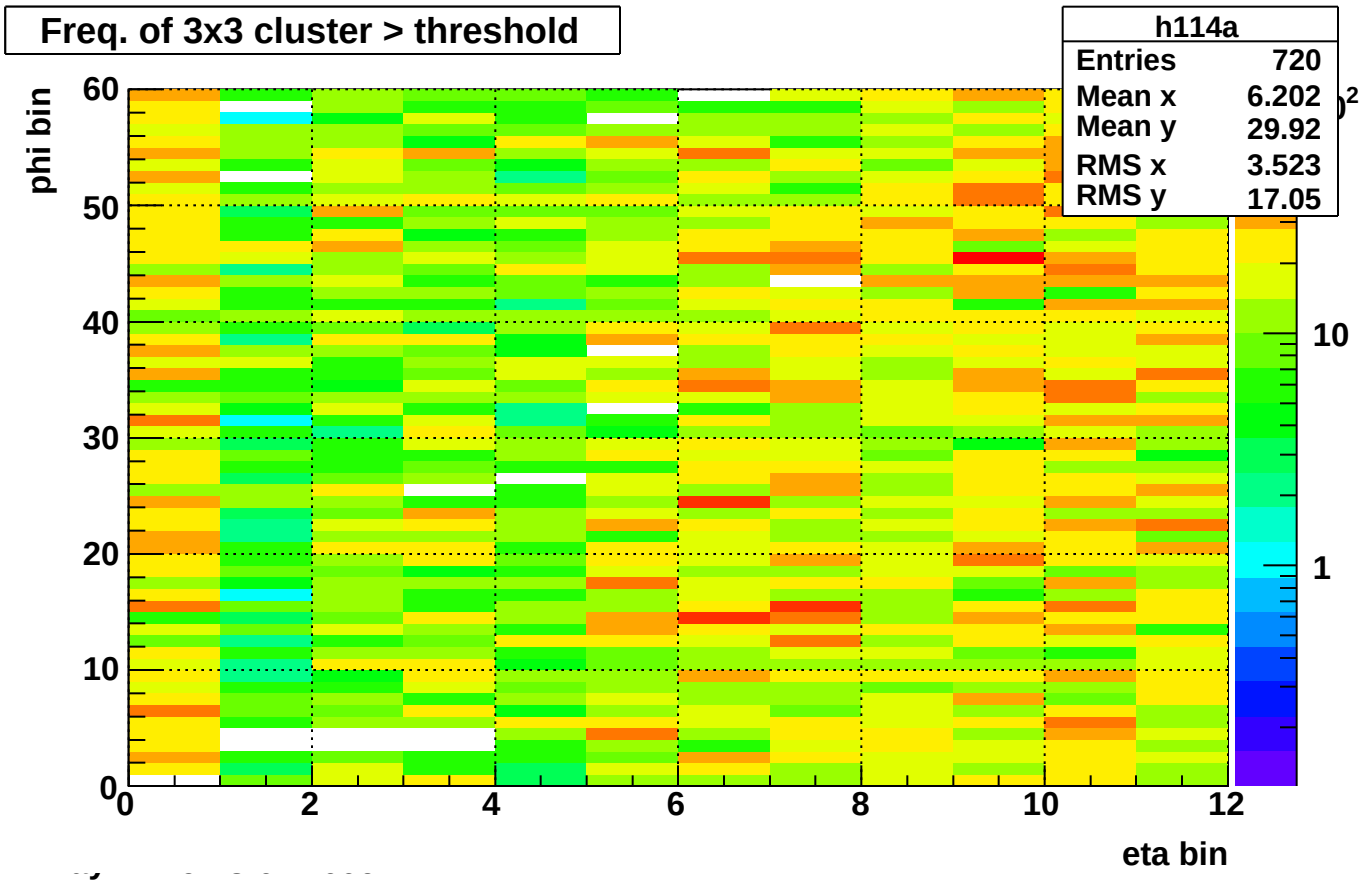

N clusters > threshold (w/ ht > threshold)
h102
Entries 12197
Mean 1.503
RMS 0.2263
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

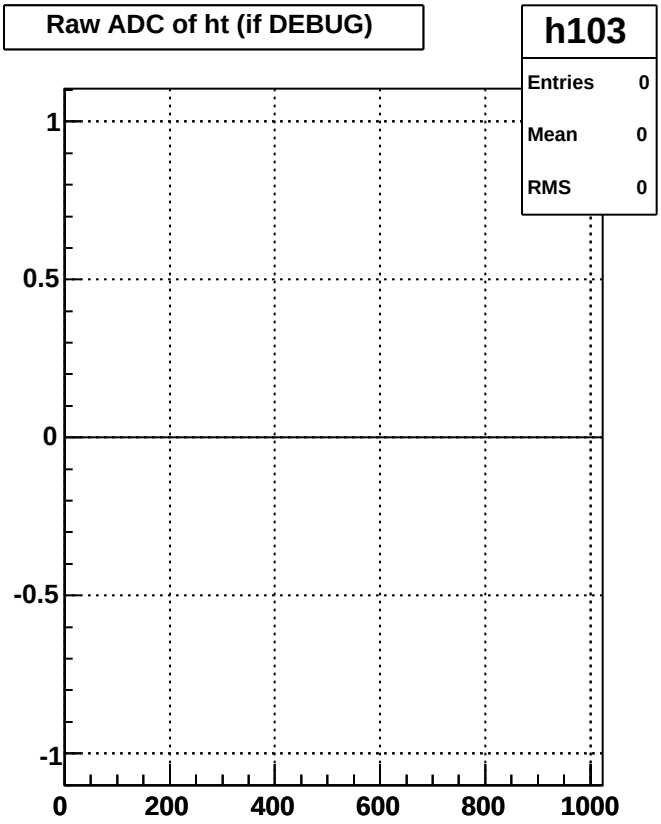

kTicks / input event
h115
Entries 12197
Mean 18.47
RMS 1.976
0
500
1000
1500
2000
2500
3000
3500
4000
4500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

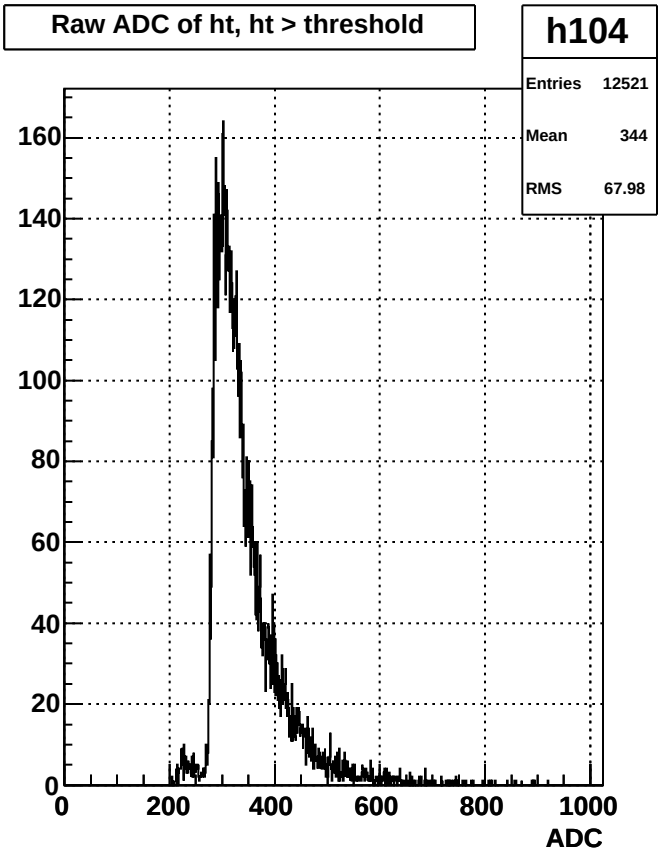

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 12280
Mean 365.5
RMS 205.1
0
20
40
60
80
100
0
100
200
300
400
500
600
700

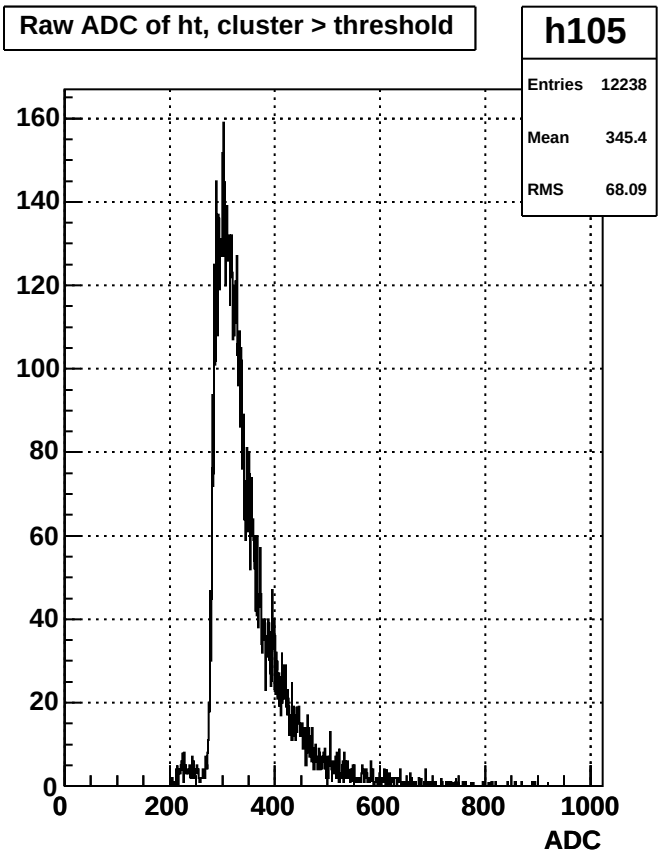

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 12238
Mean 365.5
RMS 205.1
0
20
40
60
80
100
0
100
200
300
400
500
600
700

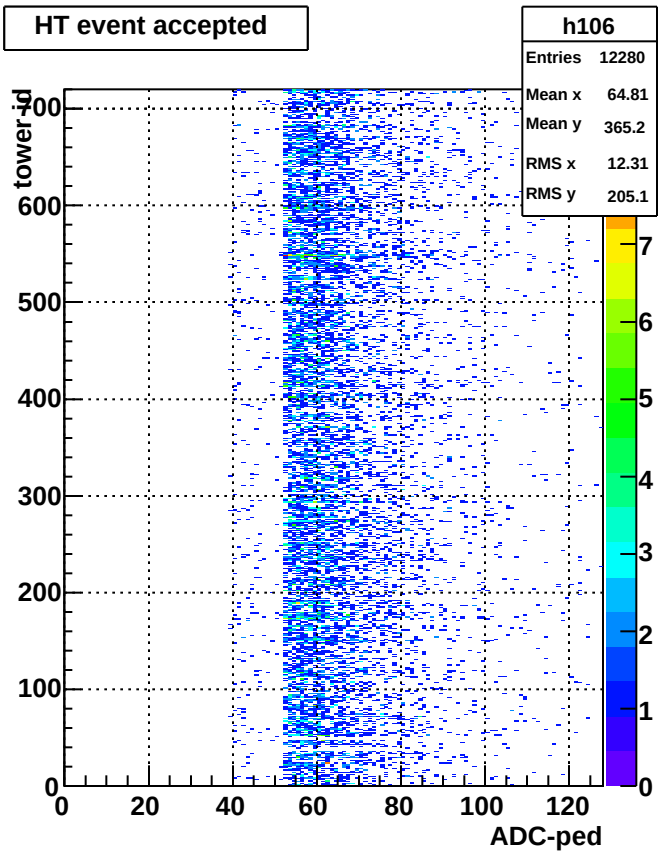

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.202
Mean y 29.92
RMS x 3.524
RMS y 17.05
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10

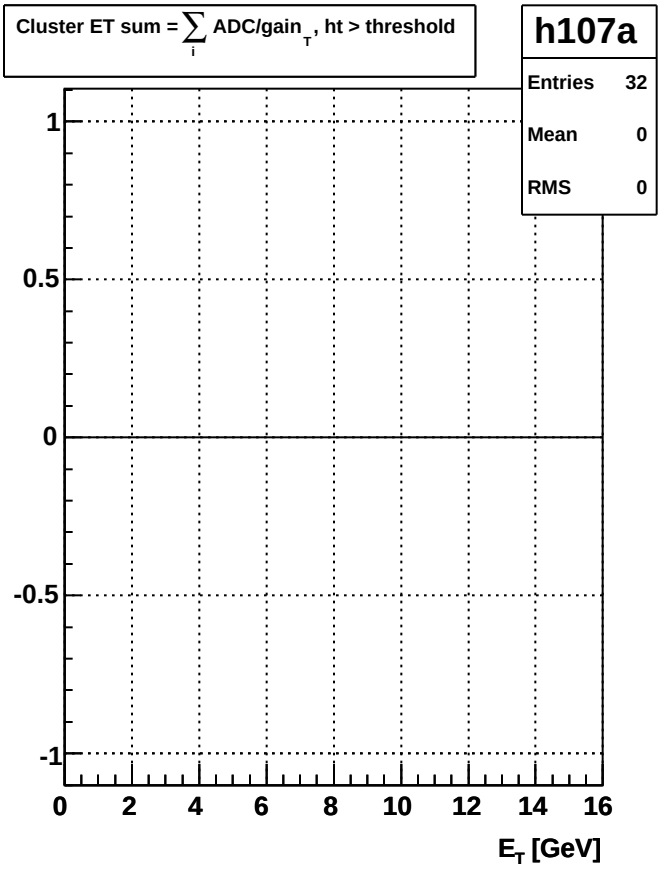

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.202
Mean y 29.92
RMS x 3.523
RMS y 17.05
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10

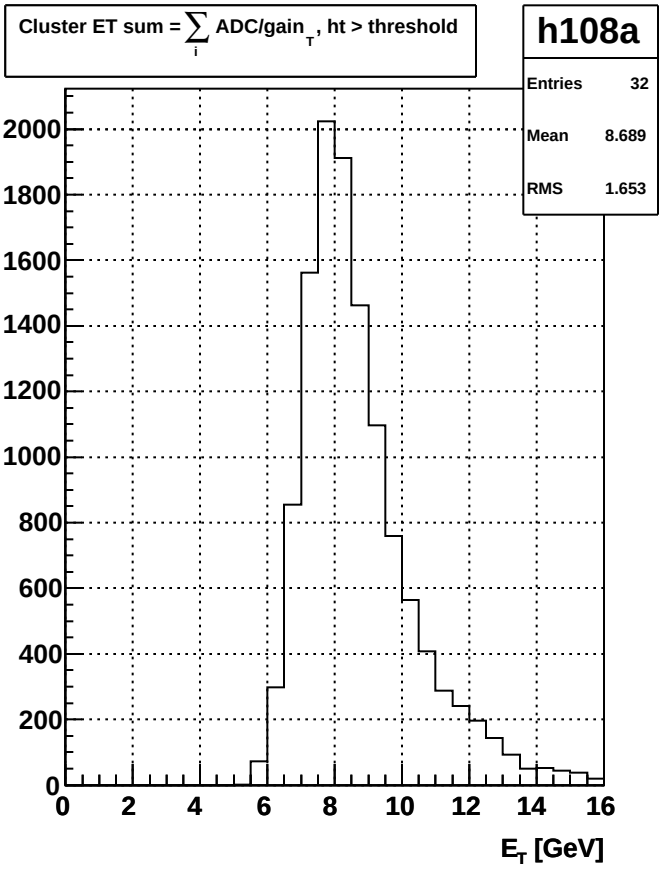

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

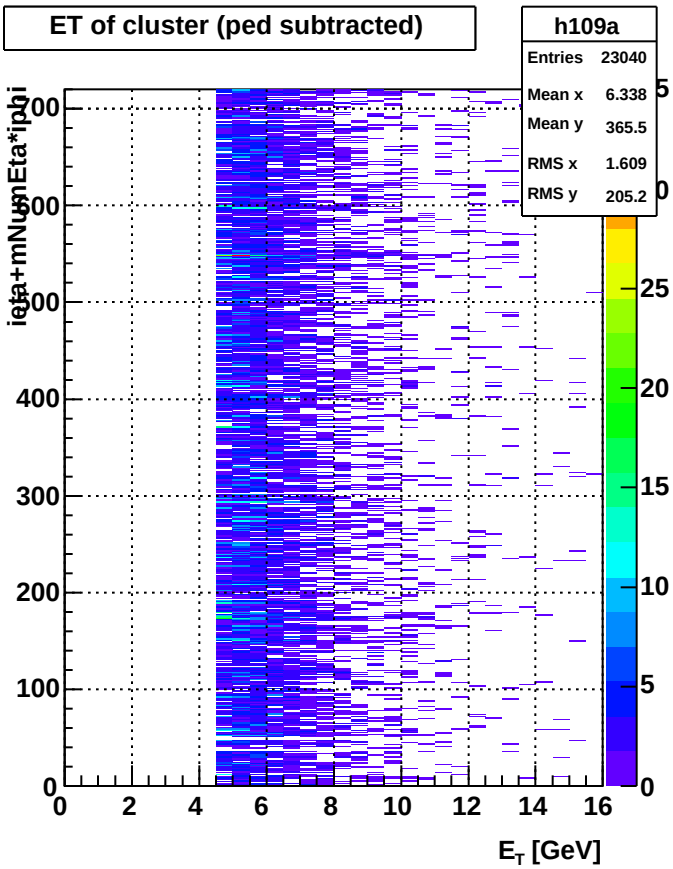

Raw ADC of ht, ht > threshold
h104
Entries 12521
Mean 344
RMS 67.98
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

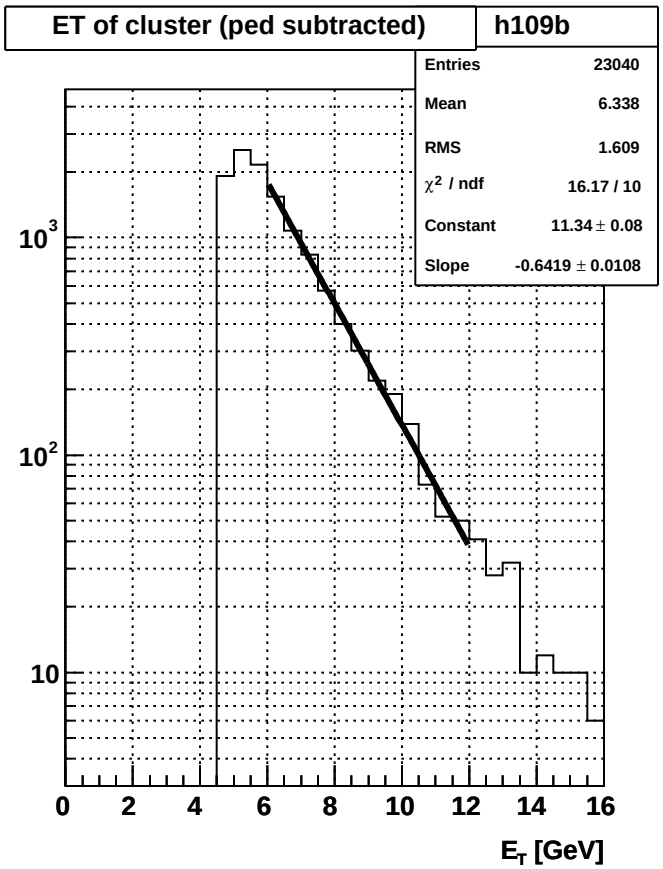

Raw ADC of ht, cluster > threshold
h105
Entries 12238
Mean 345.4
RMS 68.09
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 12280
Mean x 64.81
Mean y 365.2
RMS x 12.31
RMS y 205.1
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
7
6
5
4
3
2
1
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 8.689
RMS 1.653
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.338
Mean y 365.5
RMS x 1.609
RMS y 205.2
ieta+mNumEta*iphi
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.338
RMS 1.609
$\chi^2$ / ndf 16.17 / 10
Constant 11.34 ± 0.08
Slope -0.6419 ± 0.0108
$E_T$ [GeV]