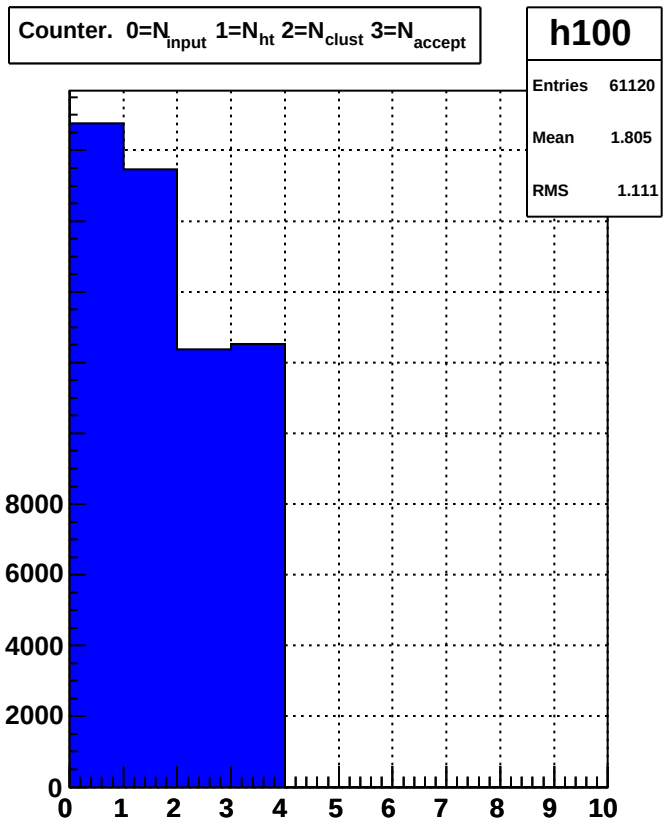
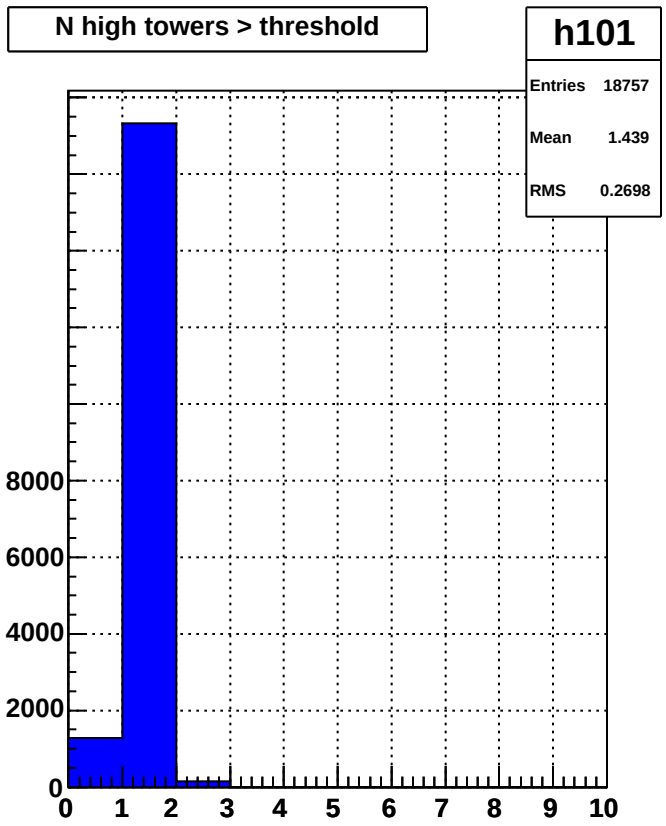
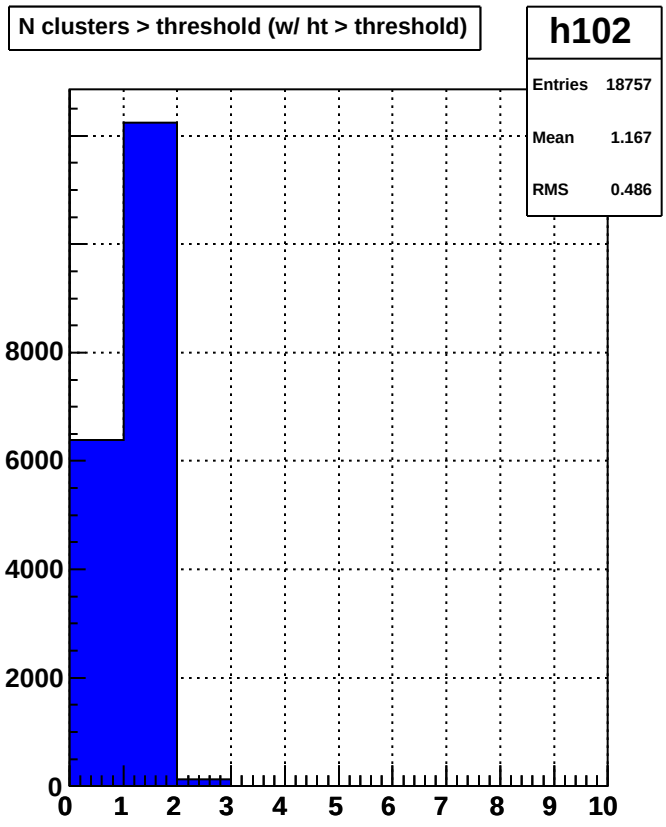
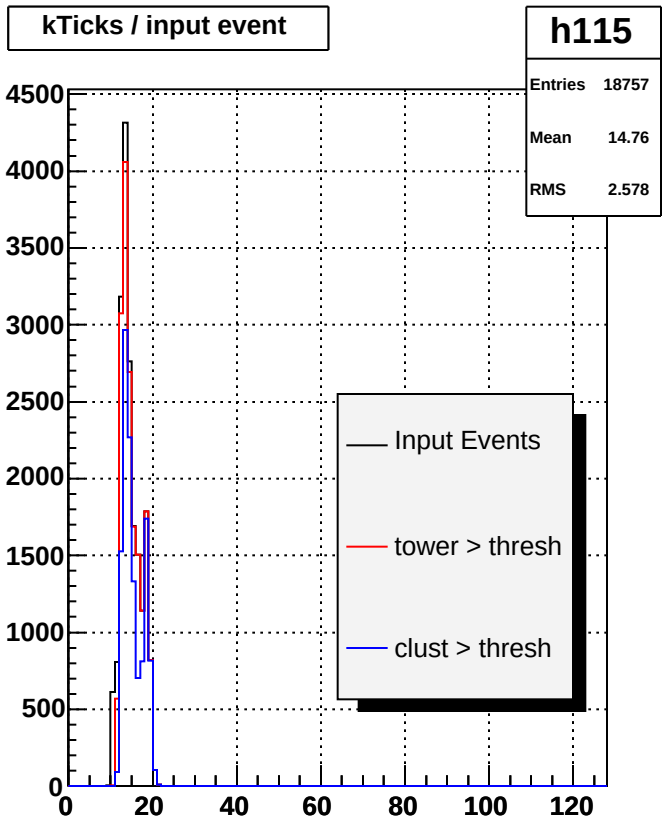
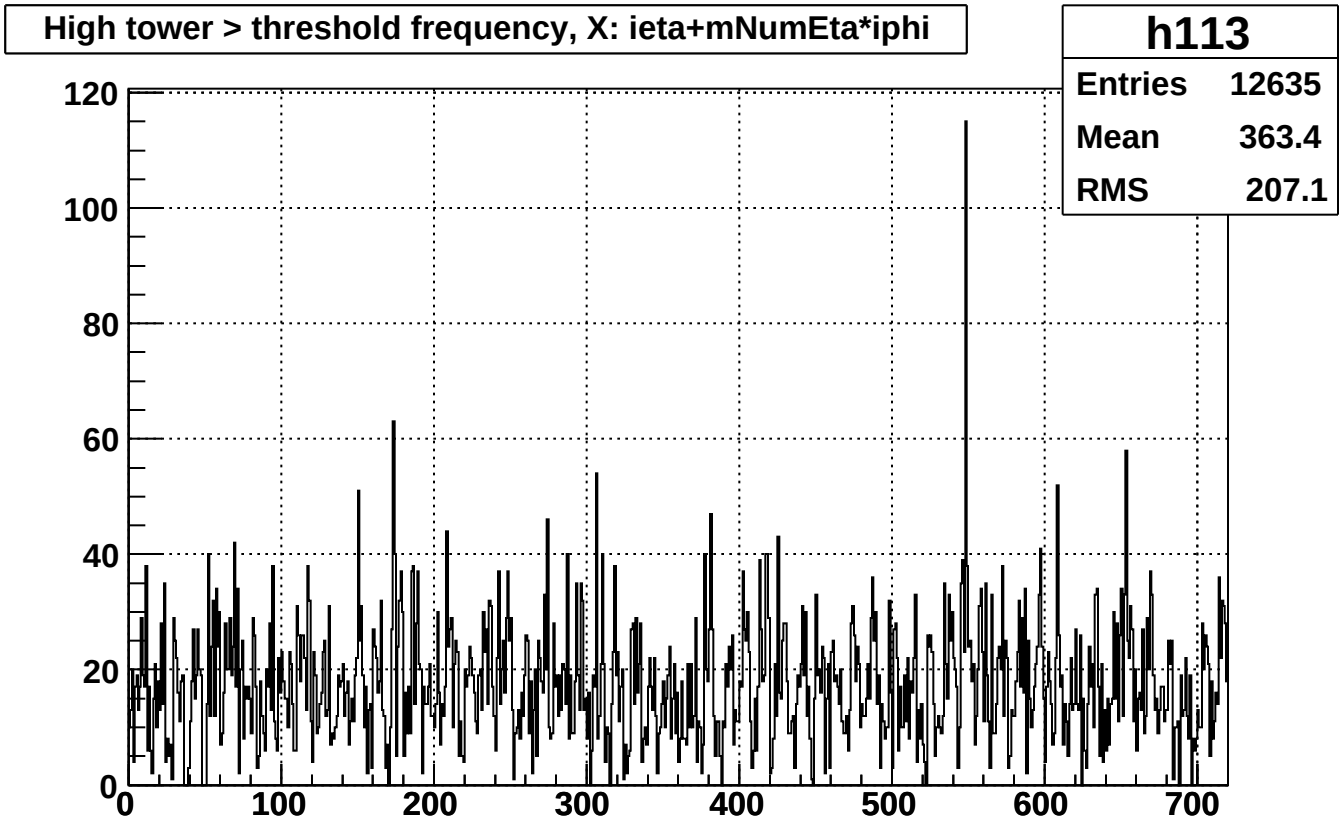
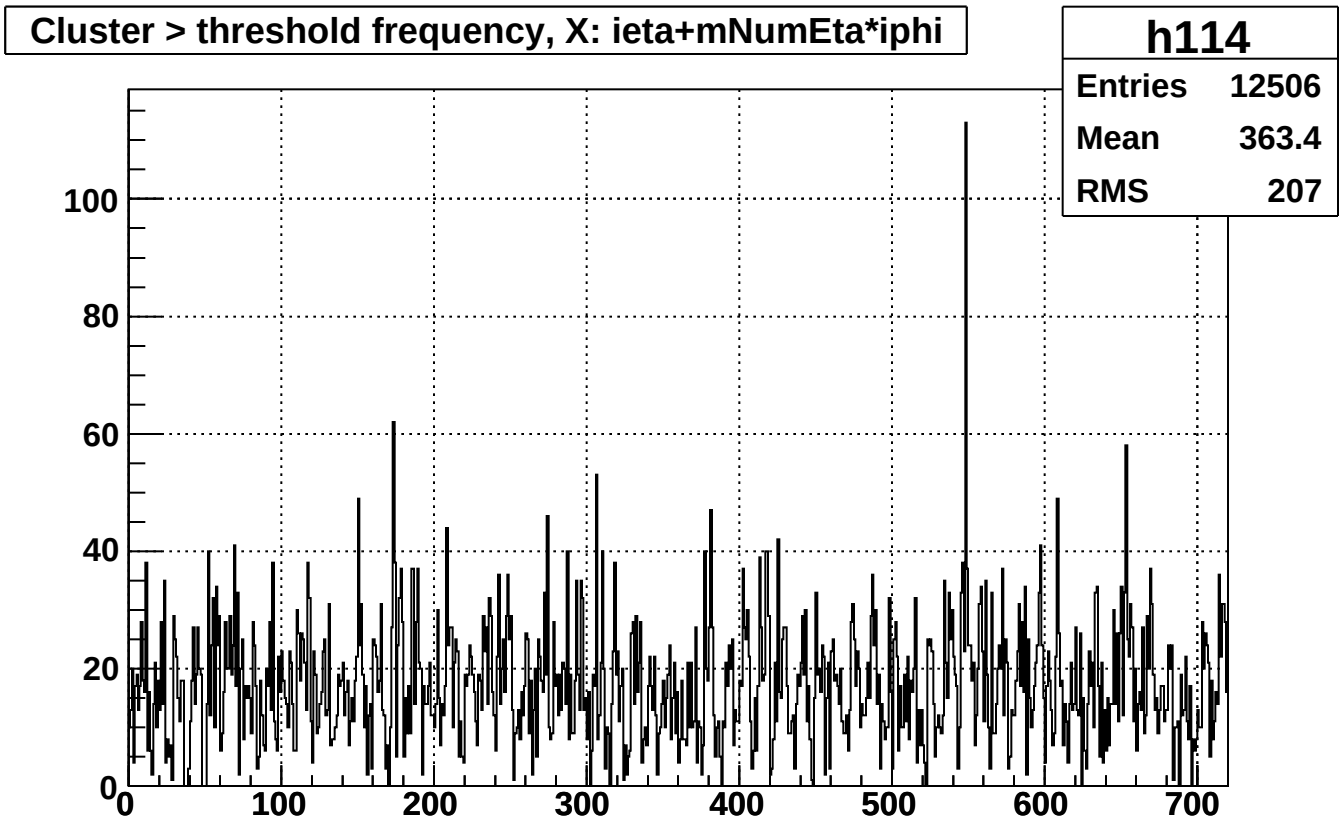

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 61120
Mean 1.805
RMS 1.111
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

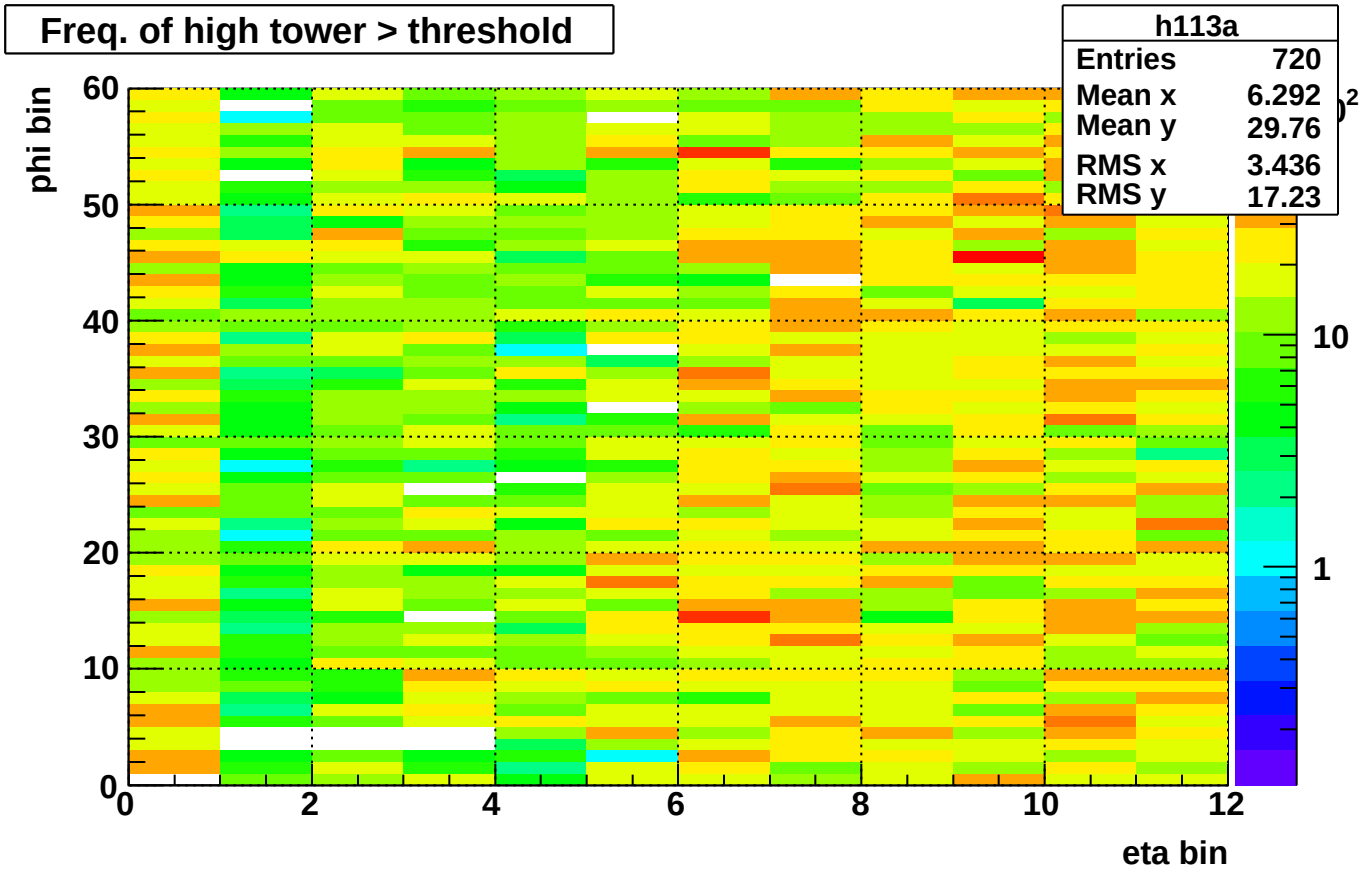

N high towers > threshold
h101
Entries 18757
Mean 1.439
RMS 0.2698
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

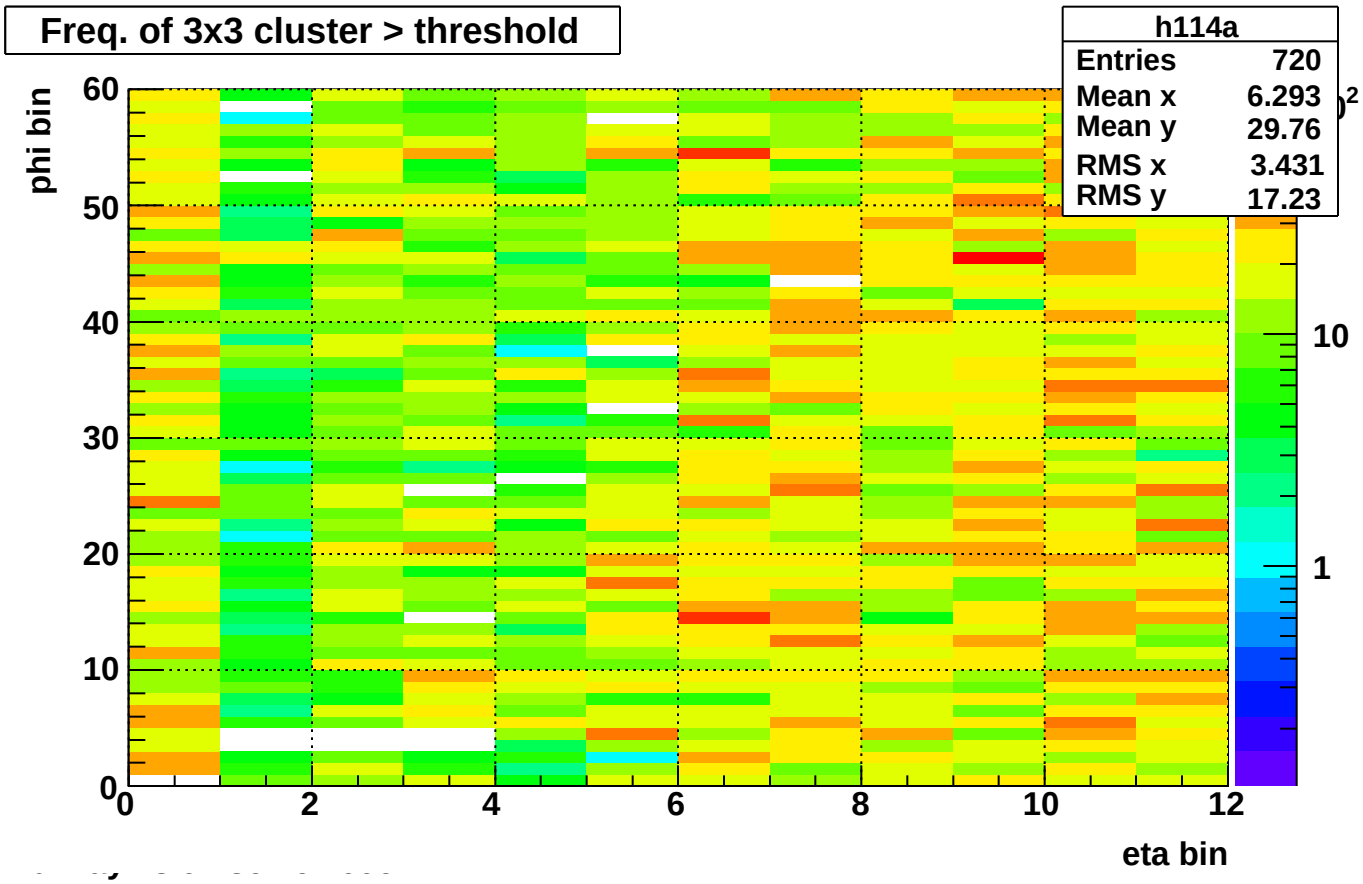

N clusters > threshold (w/ ht > threshold)
h102
Entries 18757
Mean 1.167
RMS 0.486
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

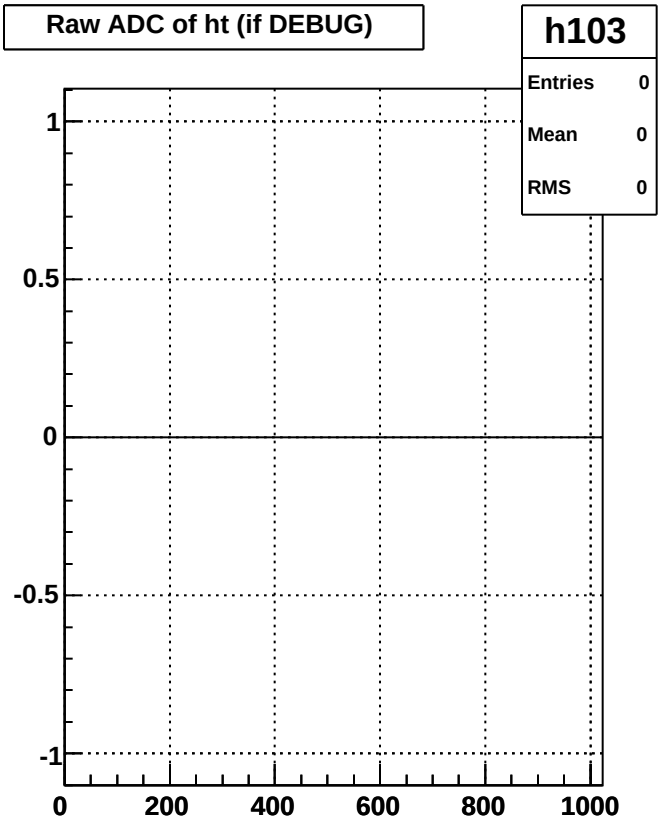

kTicks / input event
h115
Entries 18757
Mean 14.76
RMS 2.578
0
500
1000
1500
2000
2500
3000
3500
4000
4500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

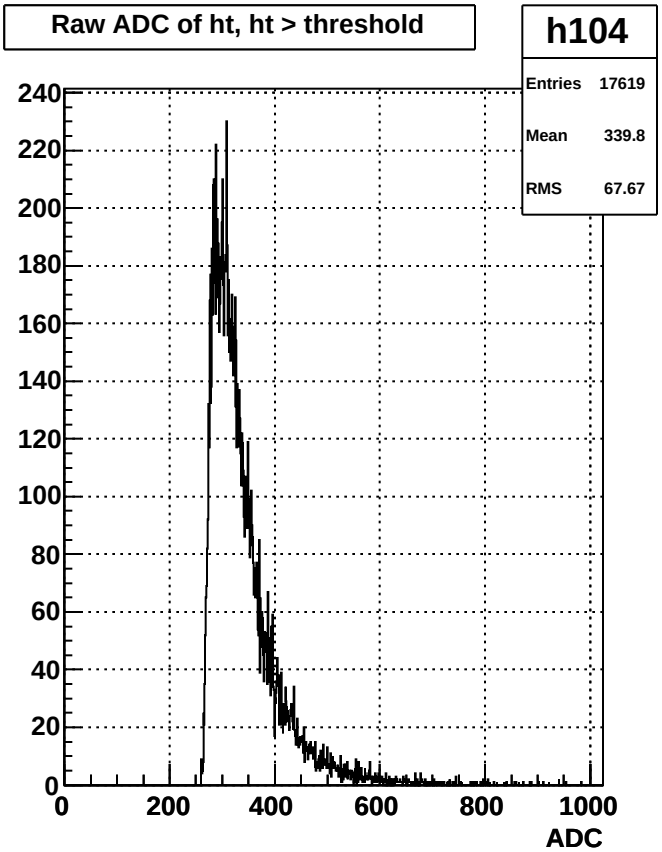

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 12635
Mean 363.4
RMS 207.1
120
100
80
60
40
20
0
0
100
200
300
400
500
600
700

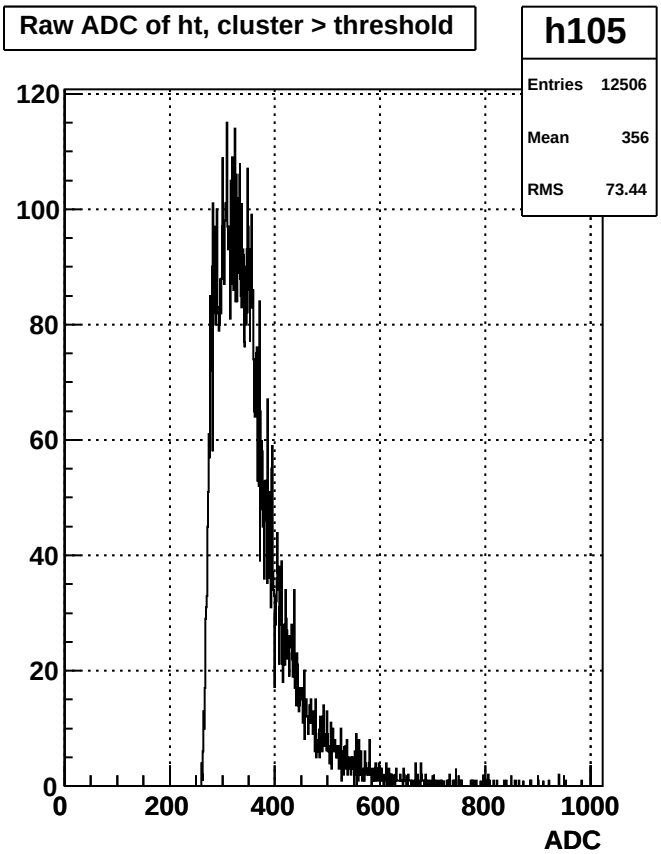

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 12506
Mean 363.4
RMS 207
100
80
60
40
20
0
0
100
200
300
400
500
600
700

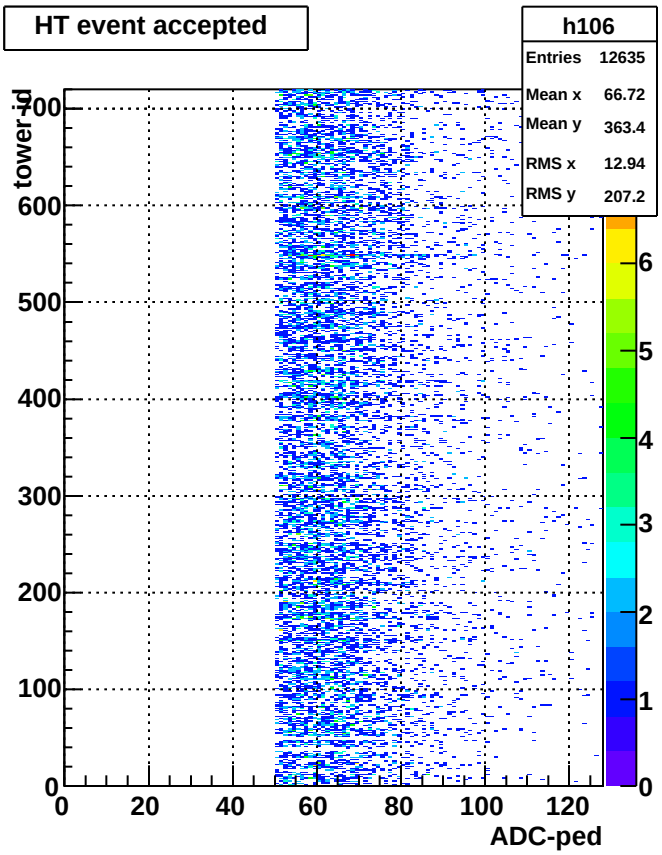

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.292
Mean y 29.76
RMS x 3.436
RMS y 17.23
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10

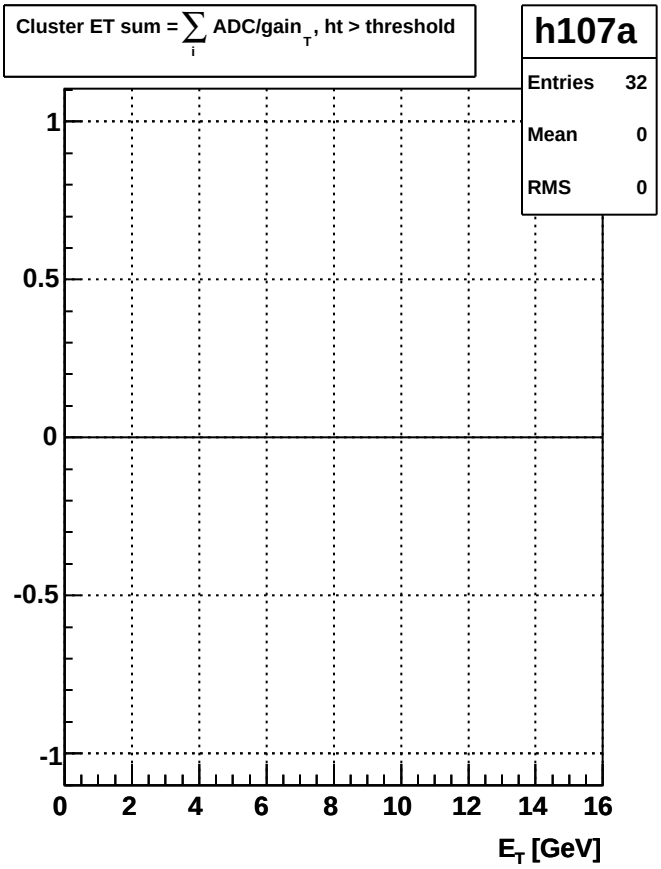

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.293
Mean y 29.76
RMS x 3.431
RMS y 17.23
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10

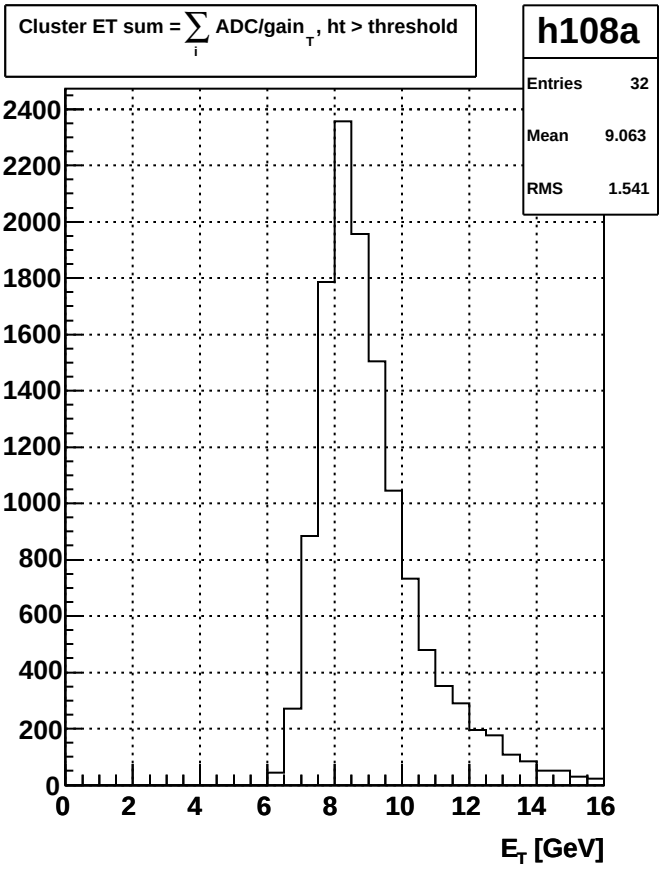

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

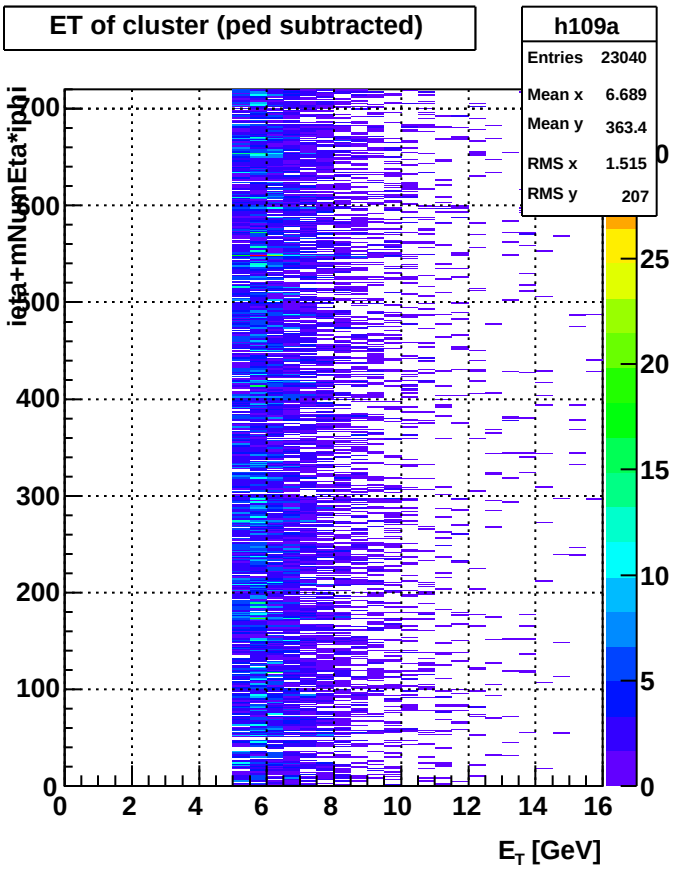

Raw ADC of ht, ht > threshold
h104
Entries 17619
Mean 339.8
RMS 67.67
240
220
200
180
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

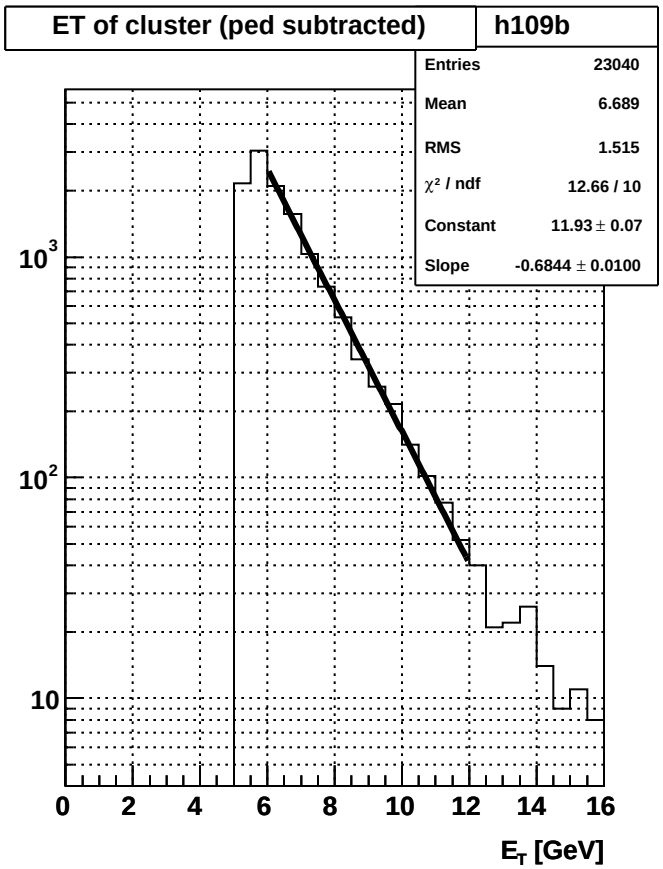

Raw ADC of ht, cluster > threshold
h105
Entries 12506
Mean 356
RMS 73.44
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 12635
Mean x 66.72
Mean y 363.4
RMS x 12.94
RMS y 207.2
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
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 9.063
RMS 1.541
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.689
Mean y 363.4
RMS x 1.515
RMS y 207
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.689
RMS 1.515
χ^2 / ndf 12.66 / 10
Constant 11.93 ± 0.07
Slope -0.6844 ± 0.0100
E_T [GeV]