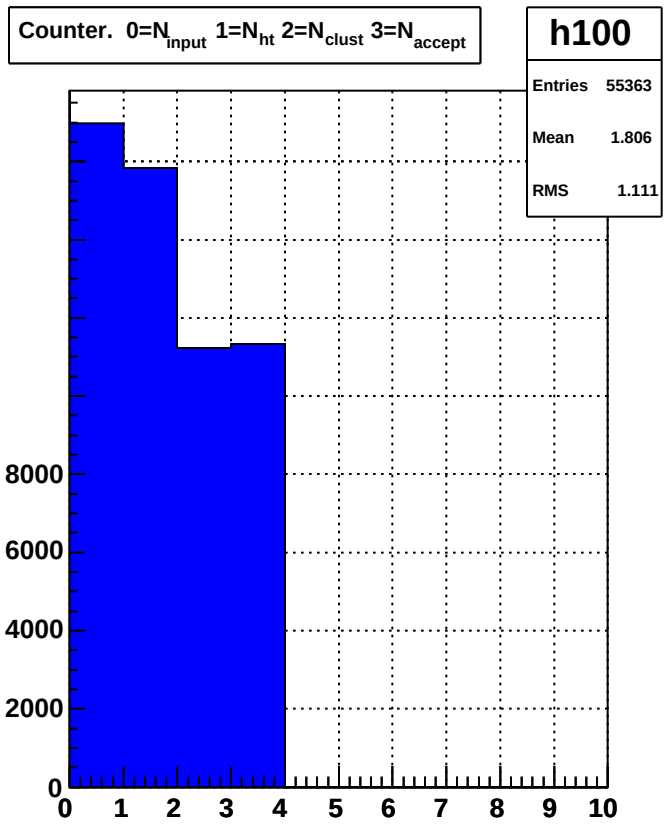
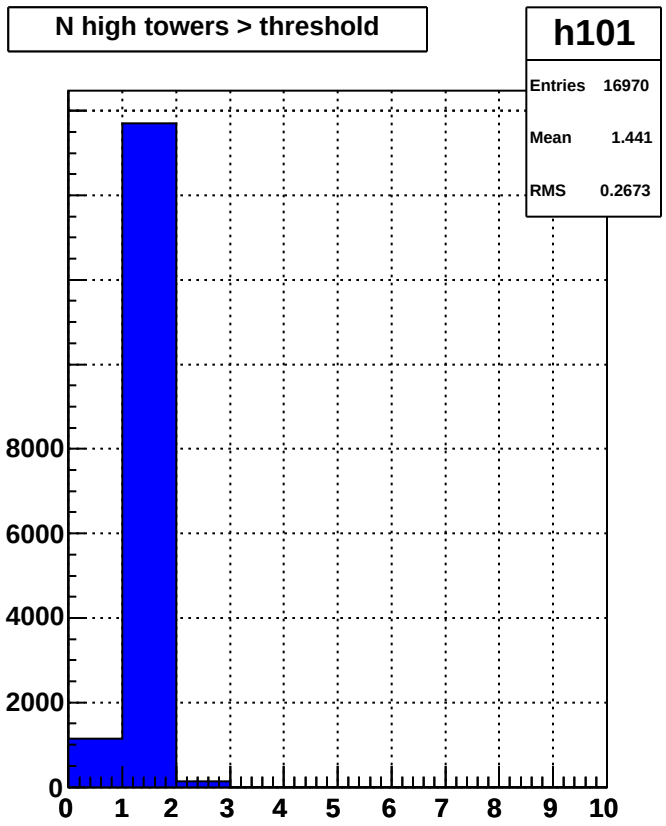
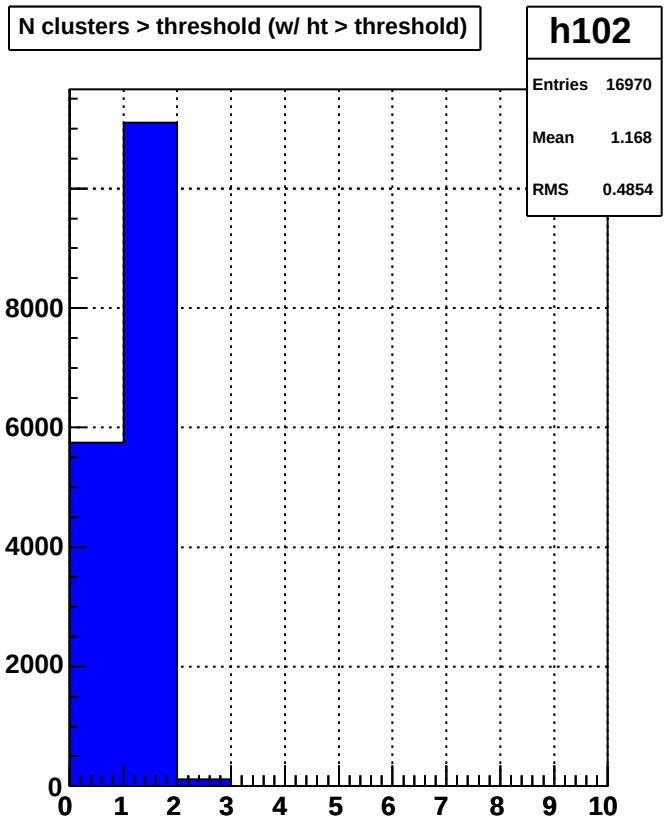
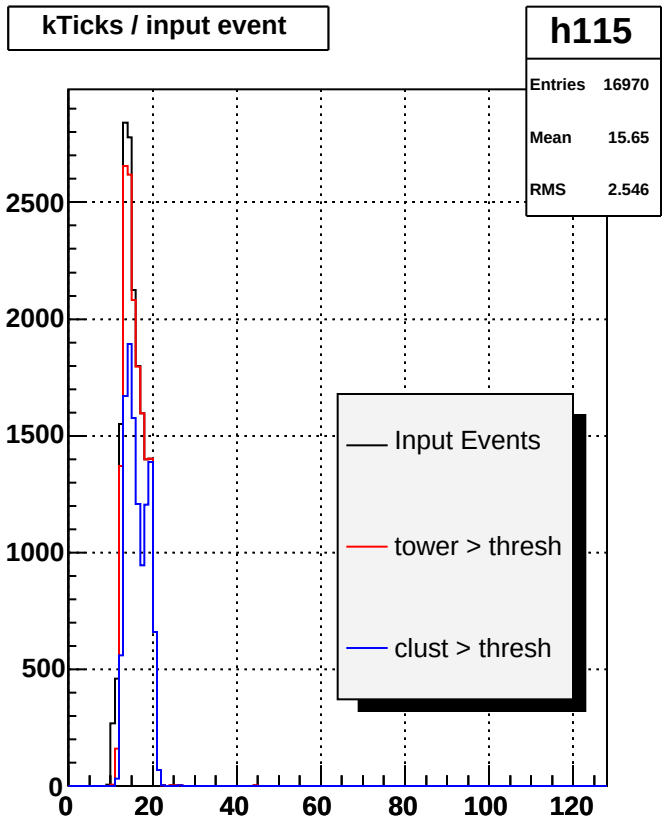
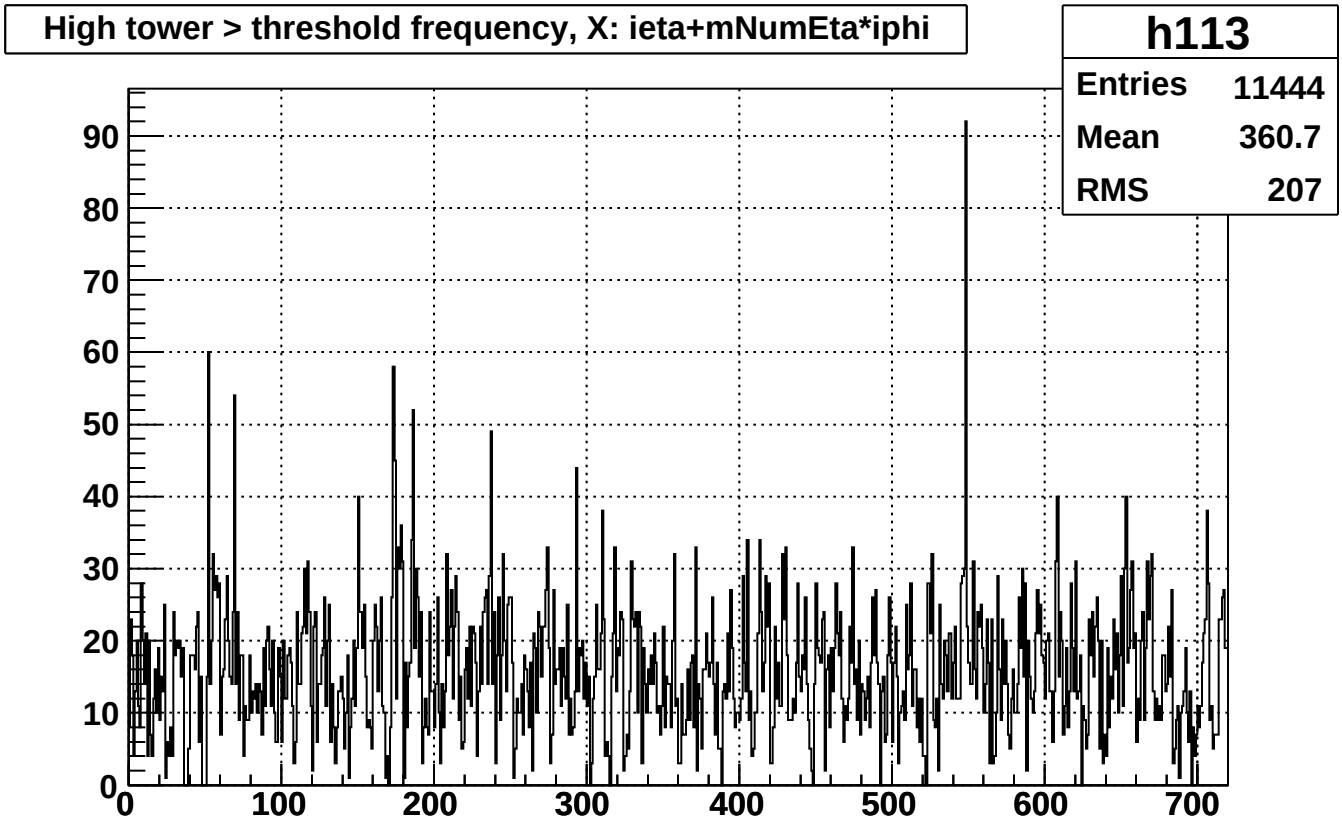
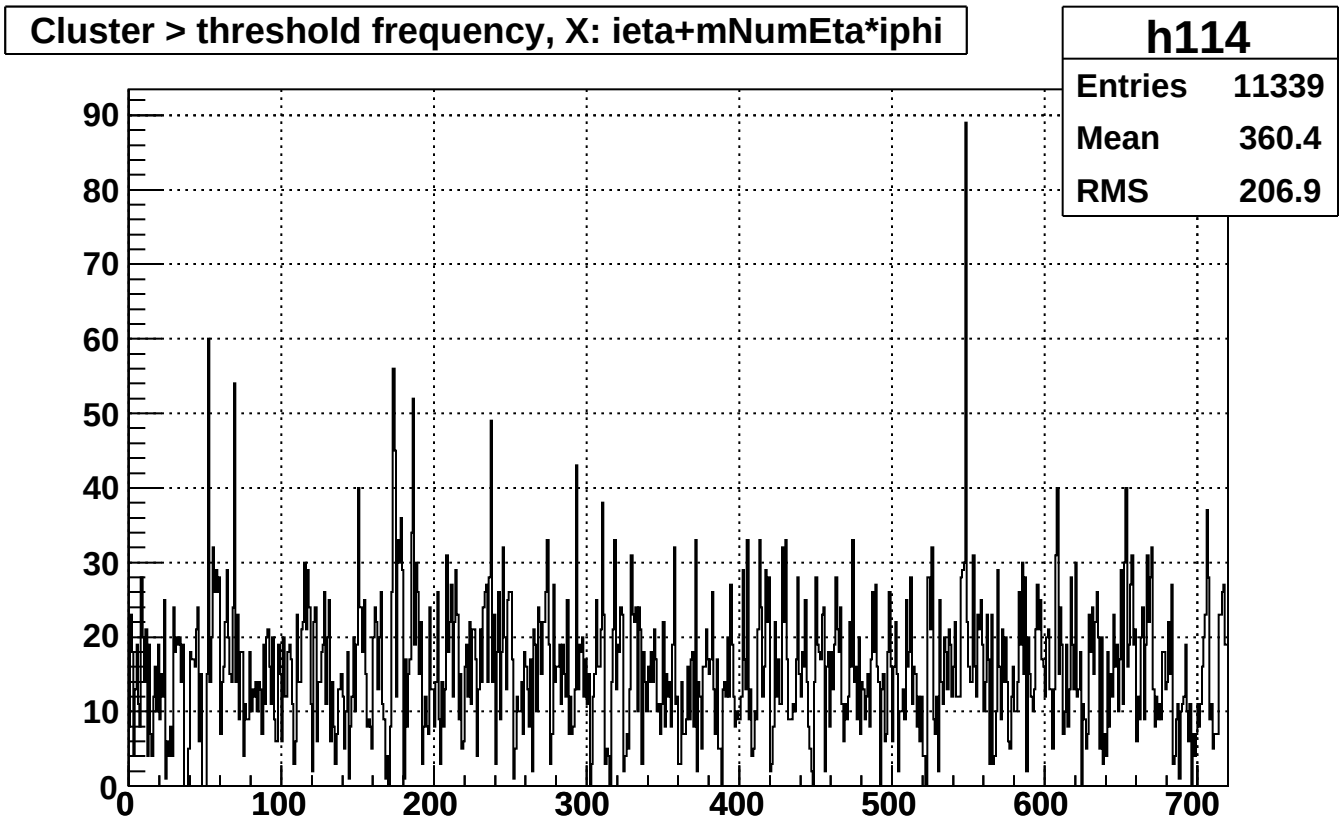

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 55363
Mean 1.806
RMS 1.111
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

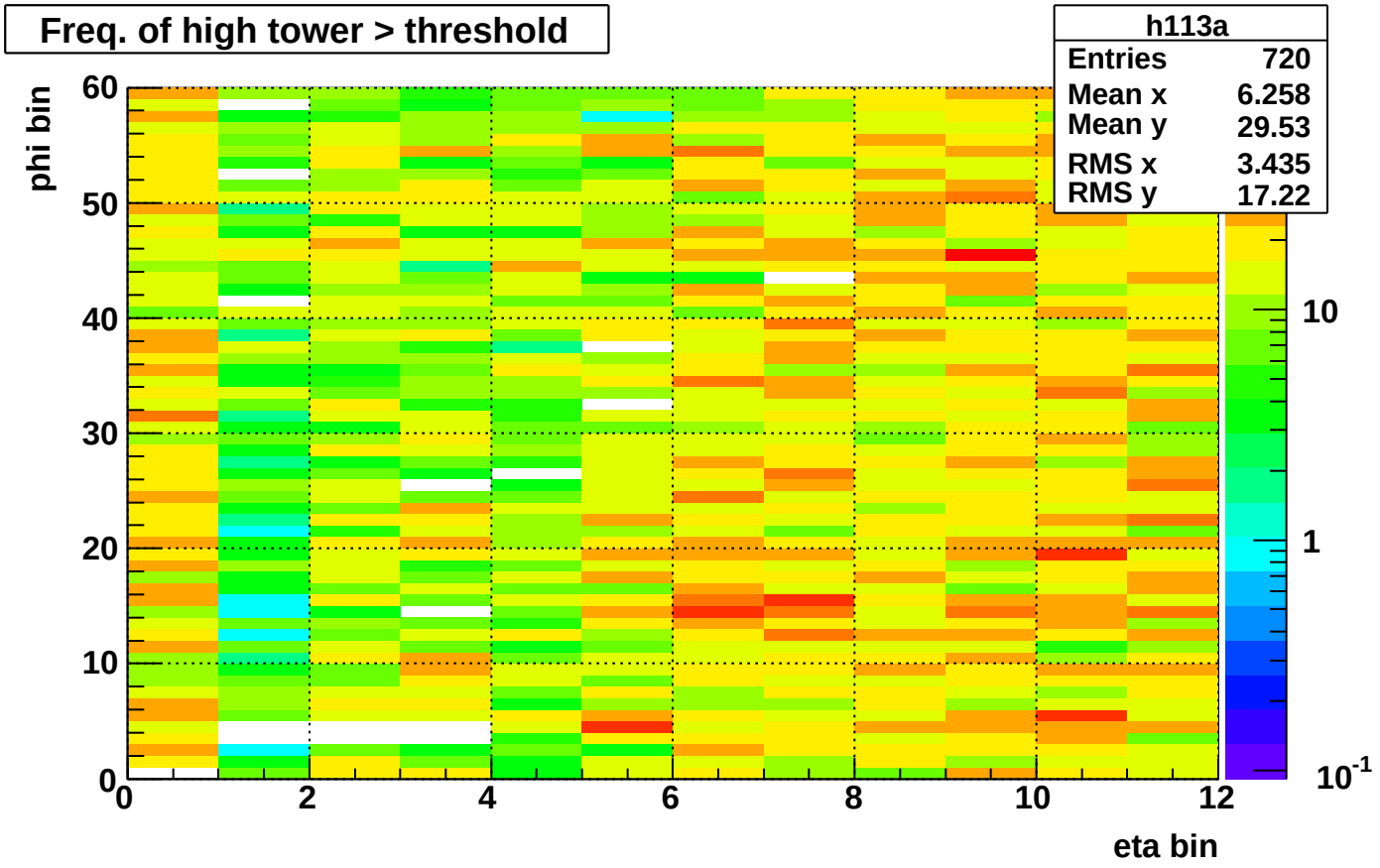

N high towers > threshold
h101
Entries 16970
Mean 1.441
RMS 0.2673
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

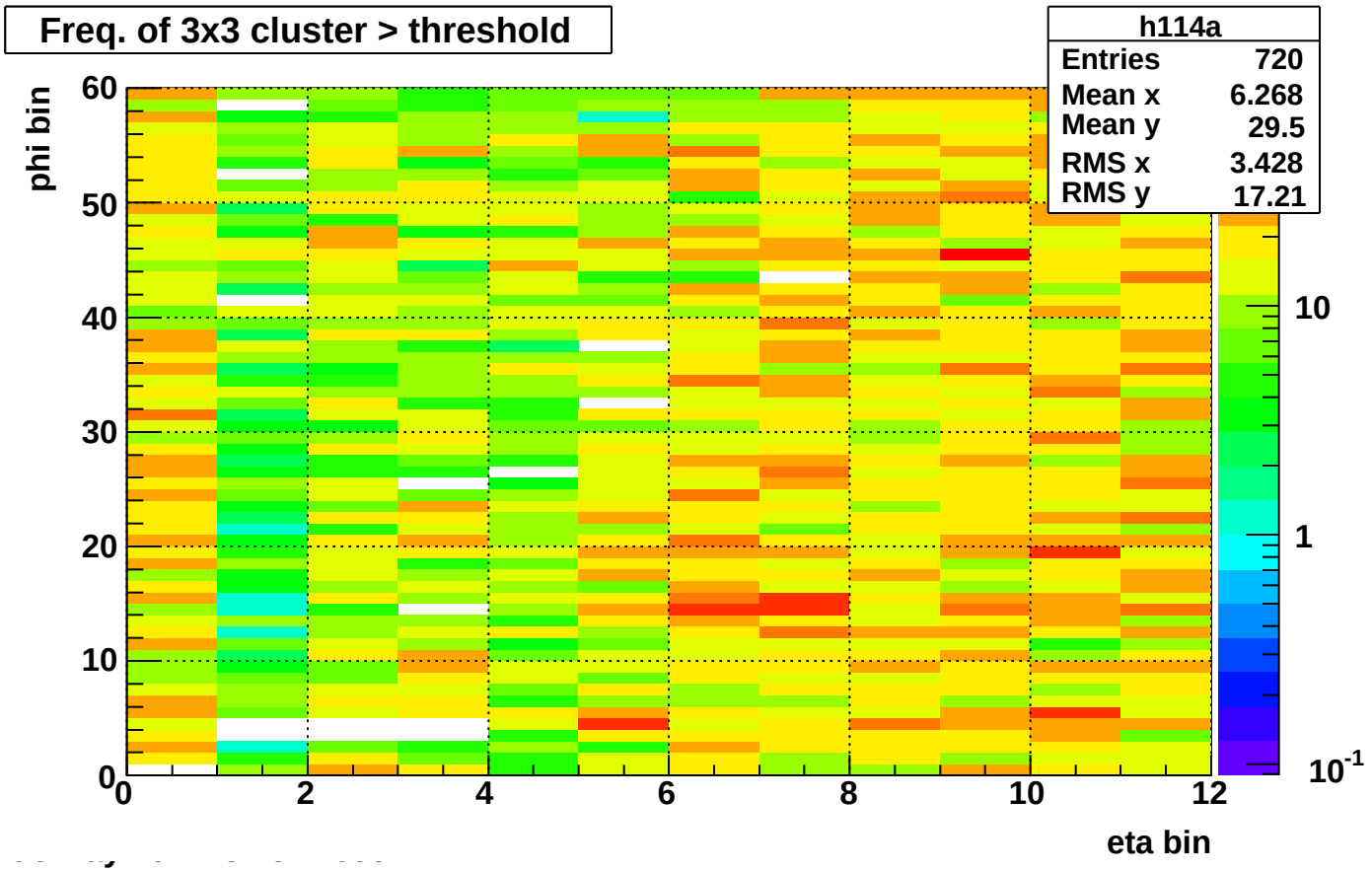

N clusters > threshold (w/ ht > threshold)
h102
Entries 16970
Mean 1.168
RMS 0.4854
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

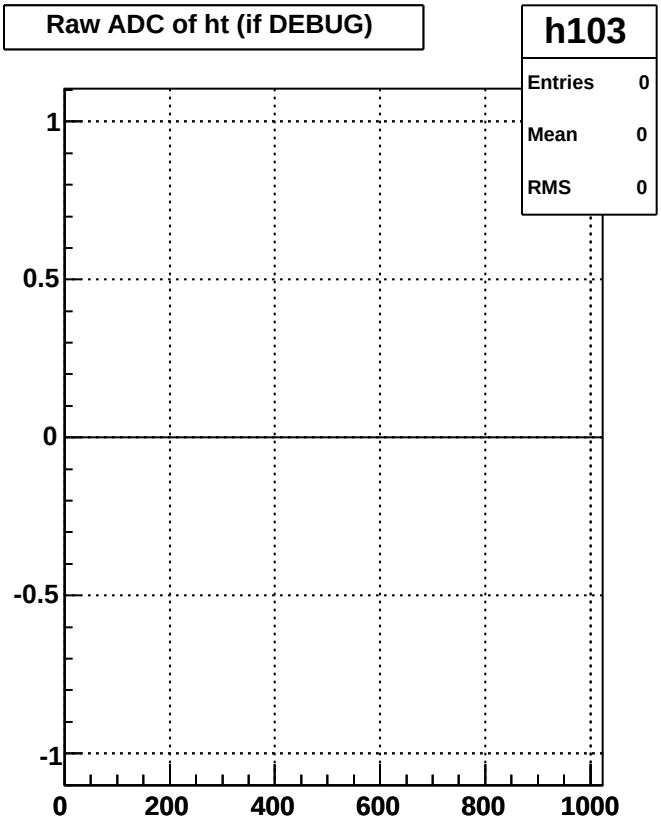

kTicks / input event
h115
Entries 16970
Mean 15.65
RMS 2.546
0
500
1000
1500
2000
2500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

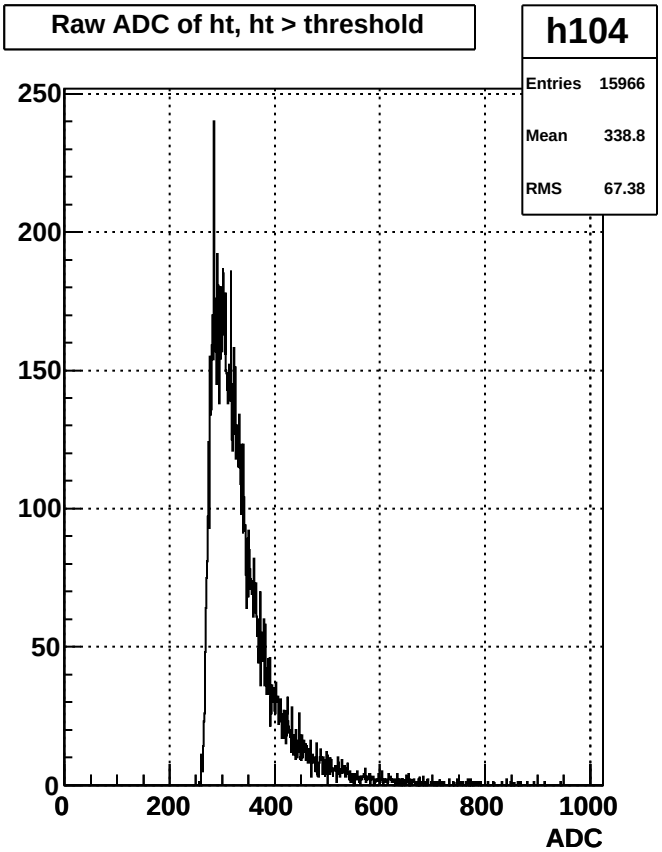

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 11444
Mean 360.7
RMS 207
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

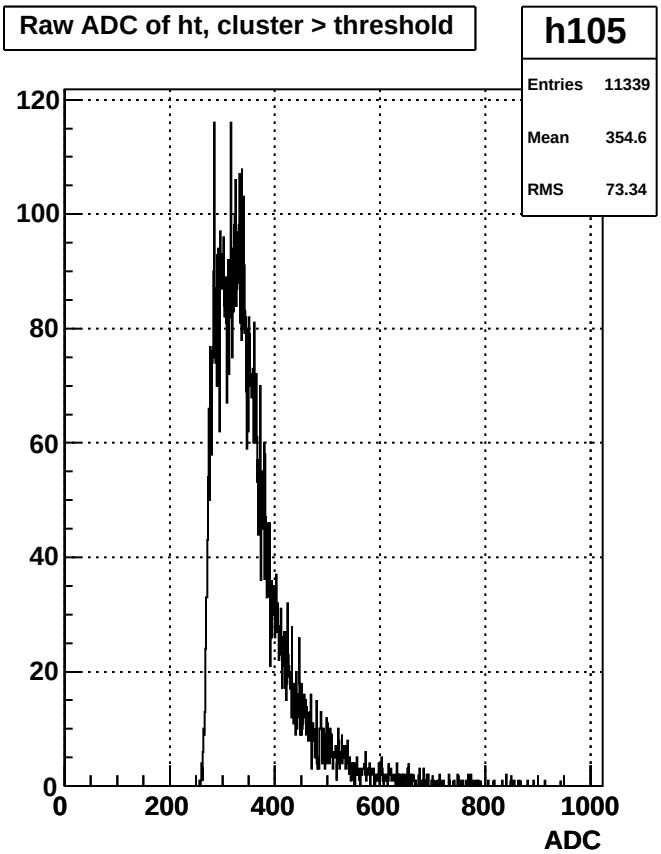

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 11339
Mean 360.4
RMS 206.9
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

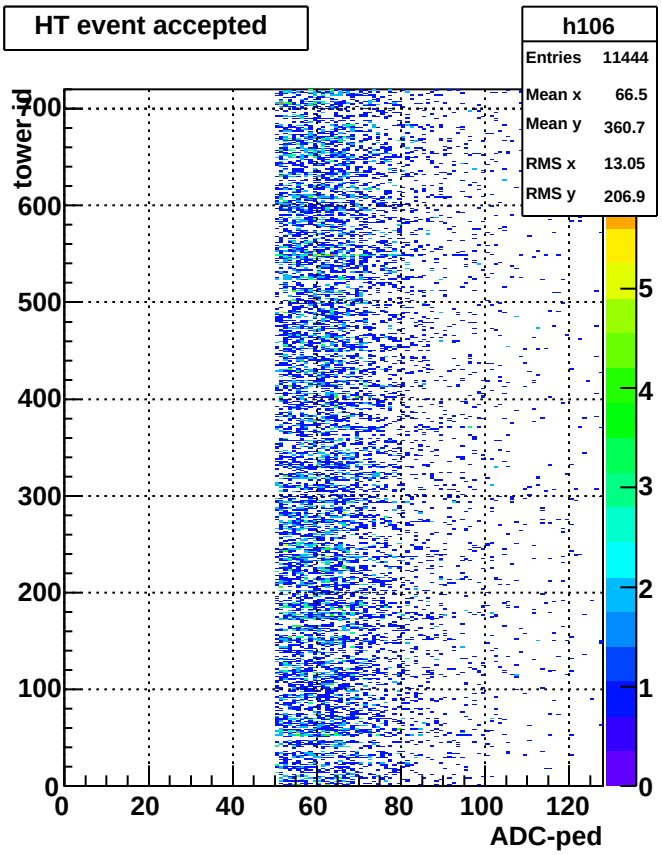

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.258
Mean y 29.53
RMS x 3.435
RMS y 17.22
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

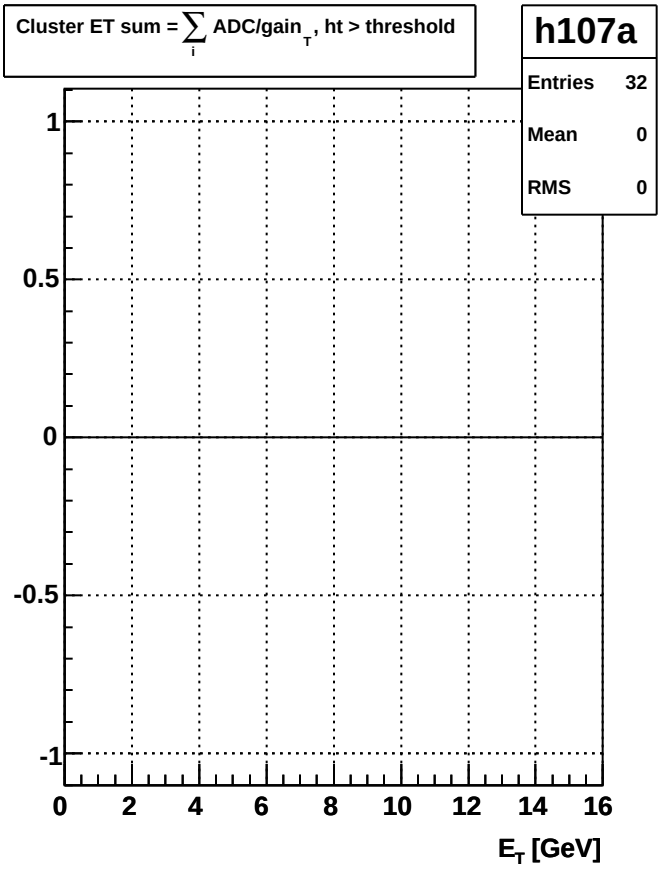

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.268
Mean y 29.5
RMS x 3.428
RMS y 17.21
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

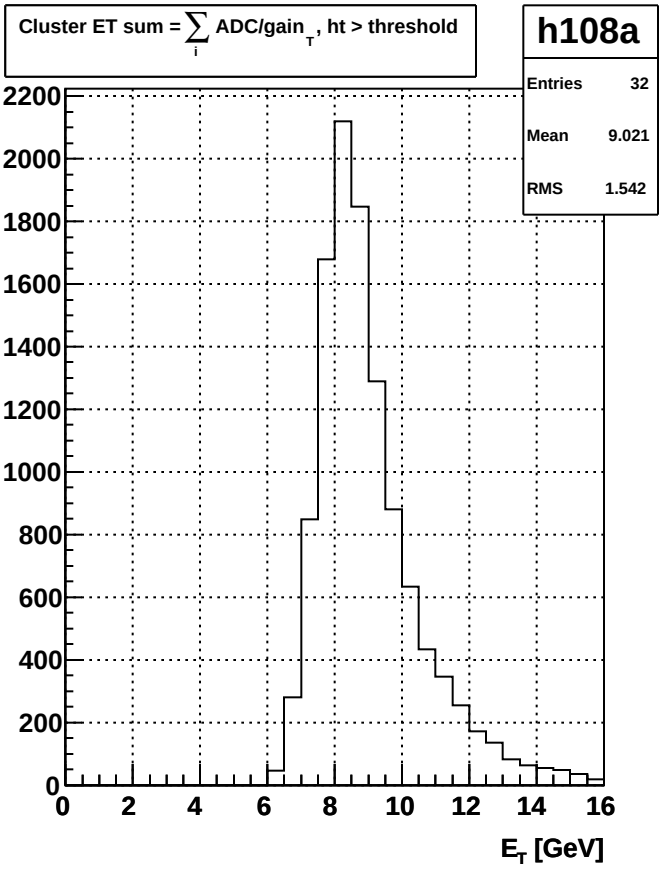

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

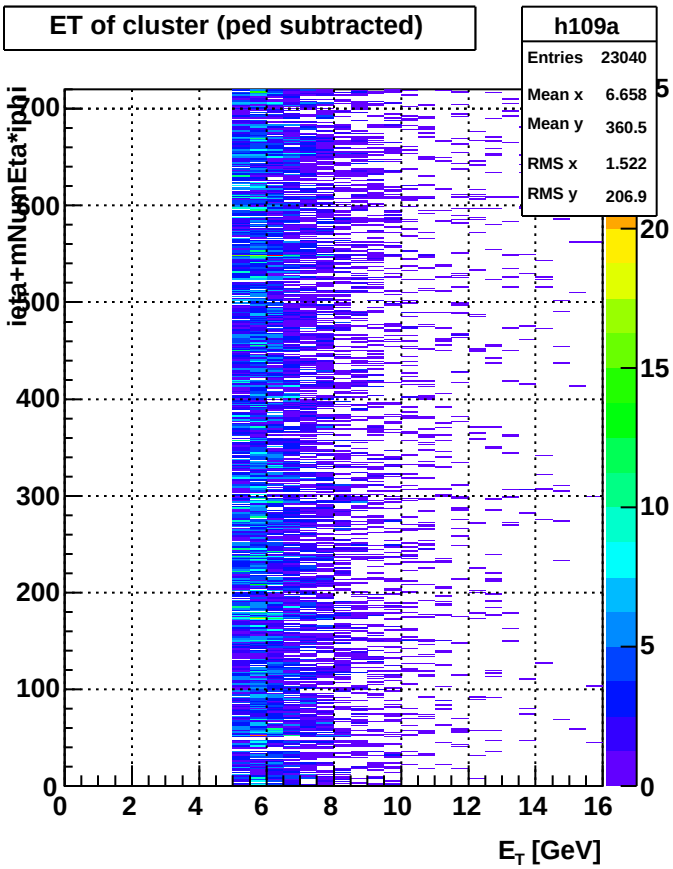

Raw ADC of ht, ht > threshold
h104
Entries 15966
Mean 338.8
RMS 67.38
250
200
150
100
50
0
0
200
400
600
800
1000
ADC

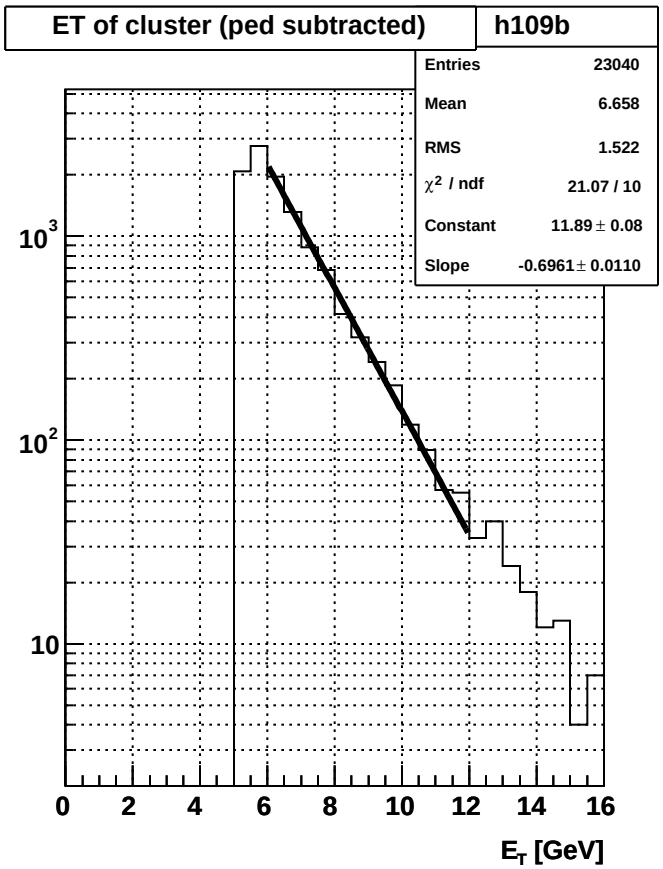

Raw ADC of ht, cluster > threshold
h105
Entries 11339
Mean 354.6
RMS 73.34
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 11444
Mean x 66.5
Mean y 360.7
RMS x 13.05
RMS y 206.9
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
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 9.021
RMS 1.542
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.658
Mean y 360.5
RMS x 1.522
RMS y 206.9
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.658
RMS 1.522
χ^2 / ndf 21.07 / 10
Constant 11.89 ± 0.08
Slope -0.6961 ± 0.0110
E_T [GeV]