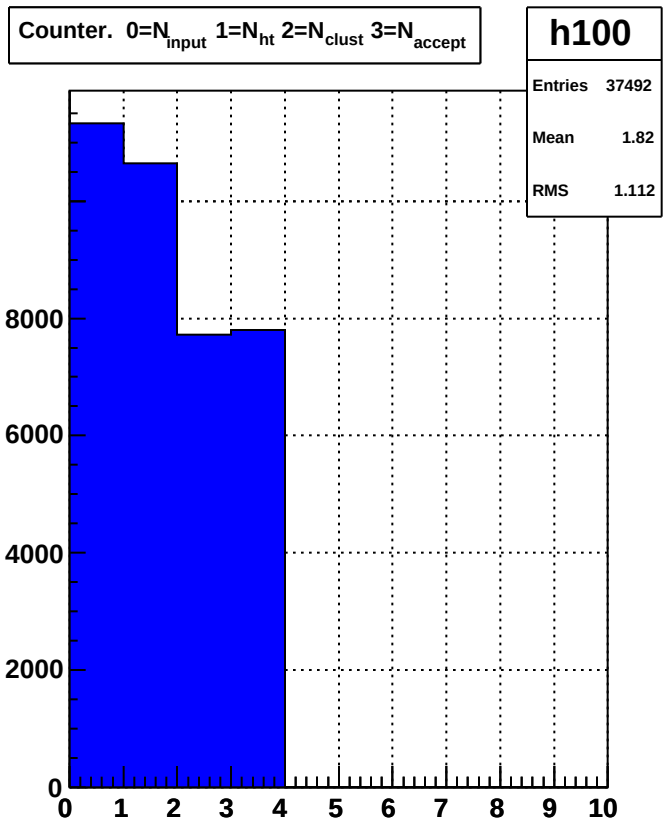
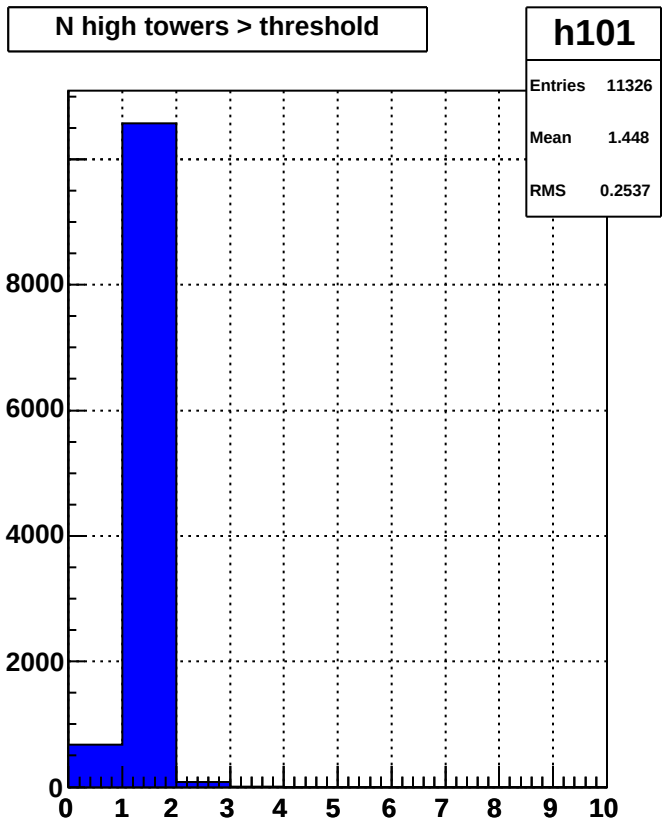
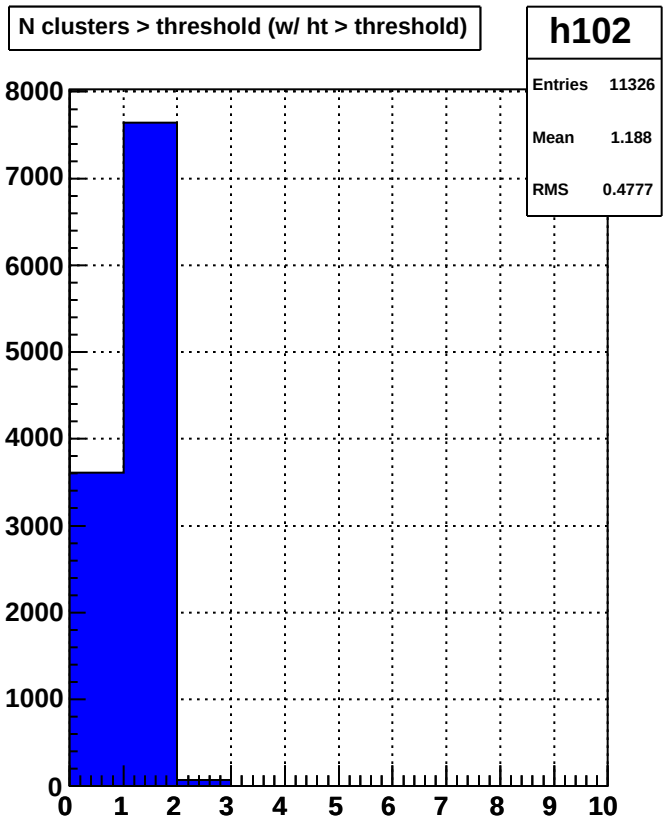
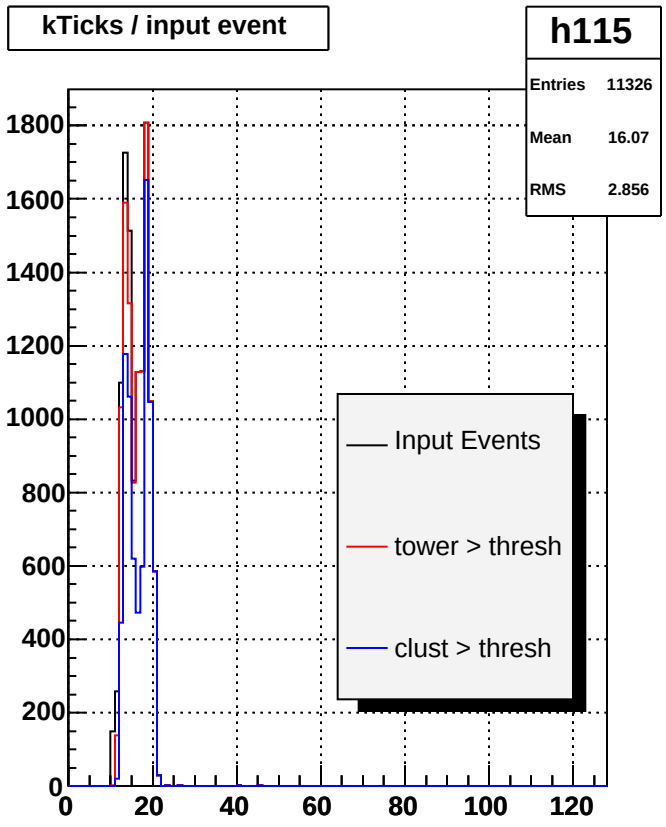
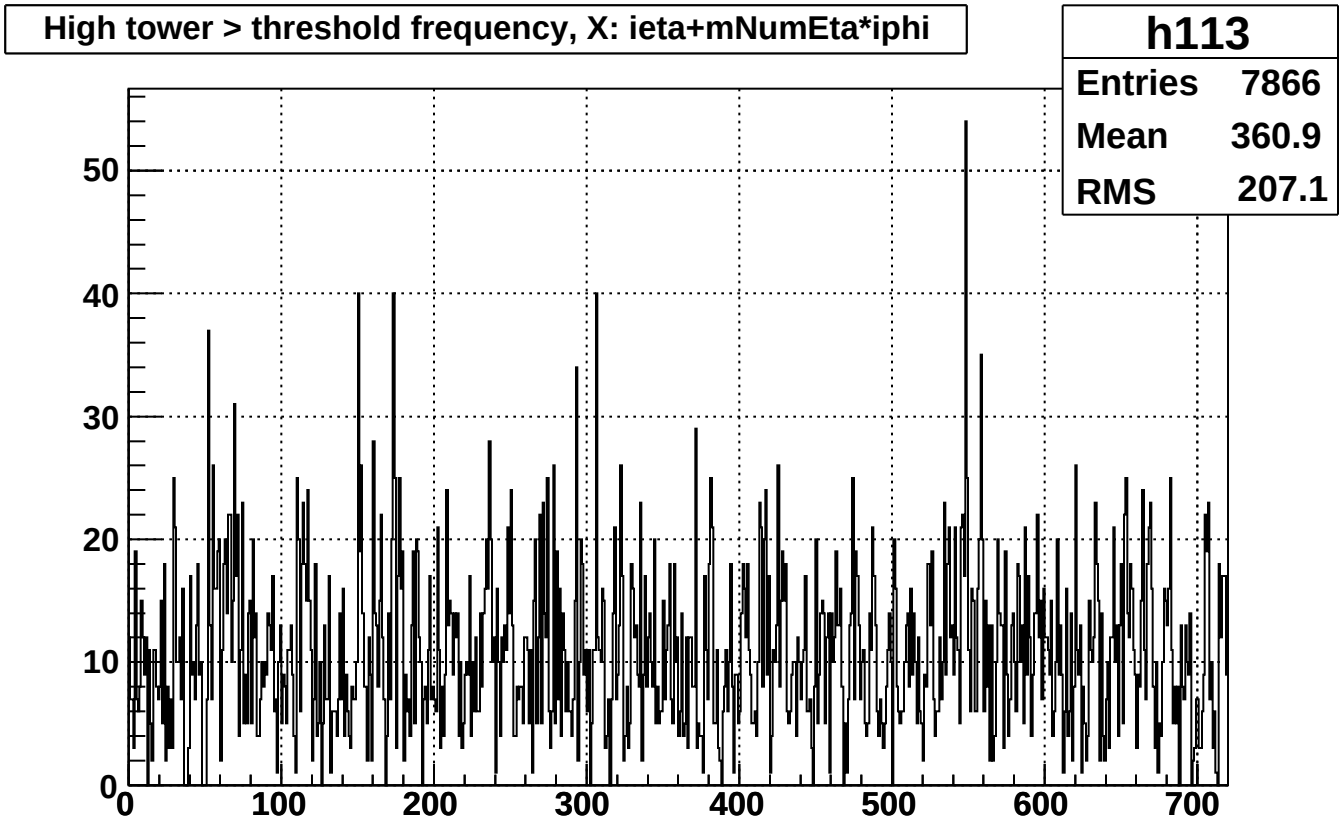
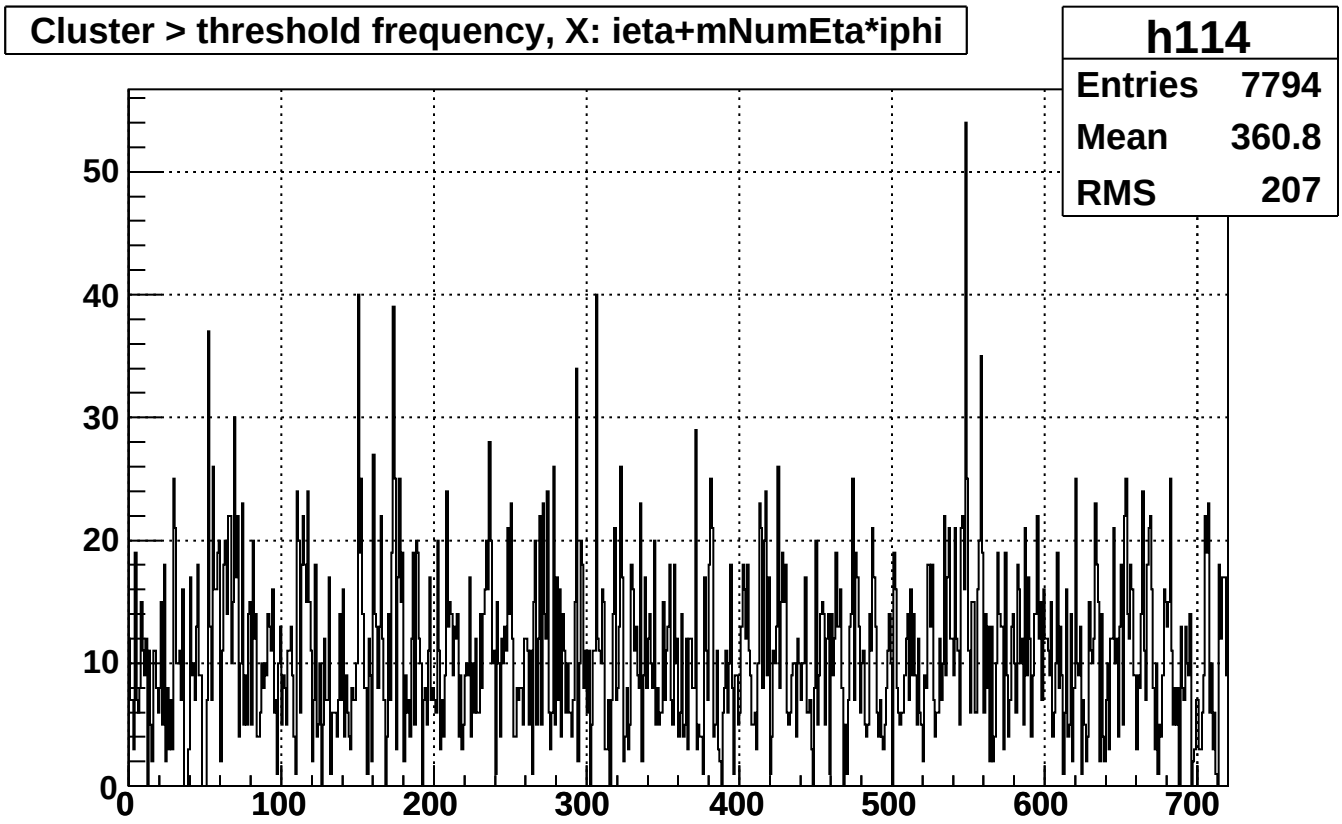

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 37492
Mean 1.82
RMS 1.112
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

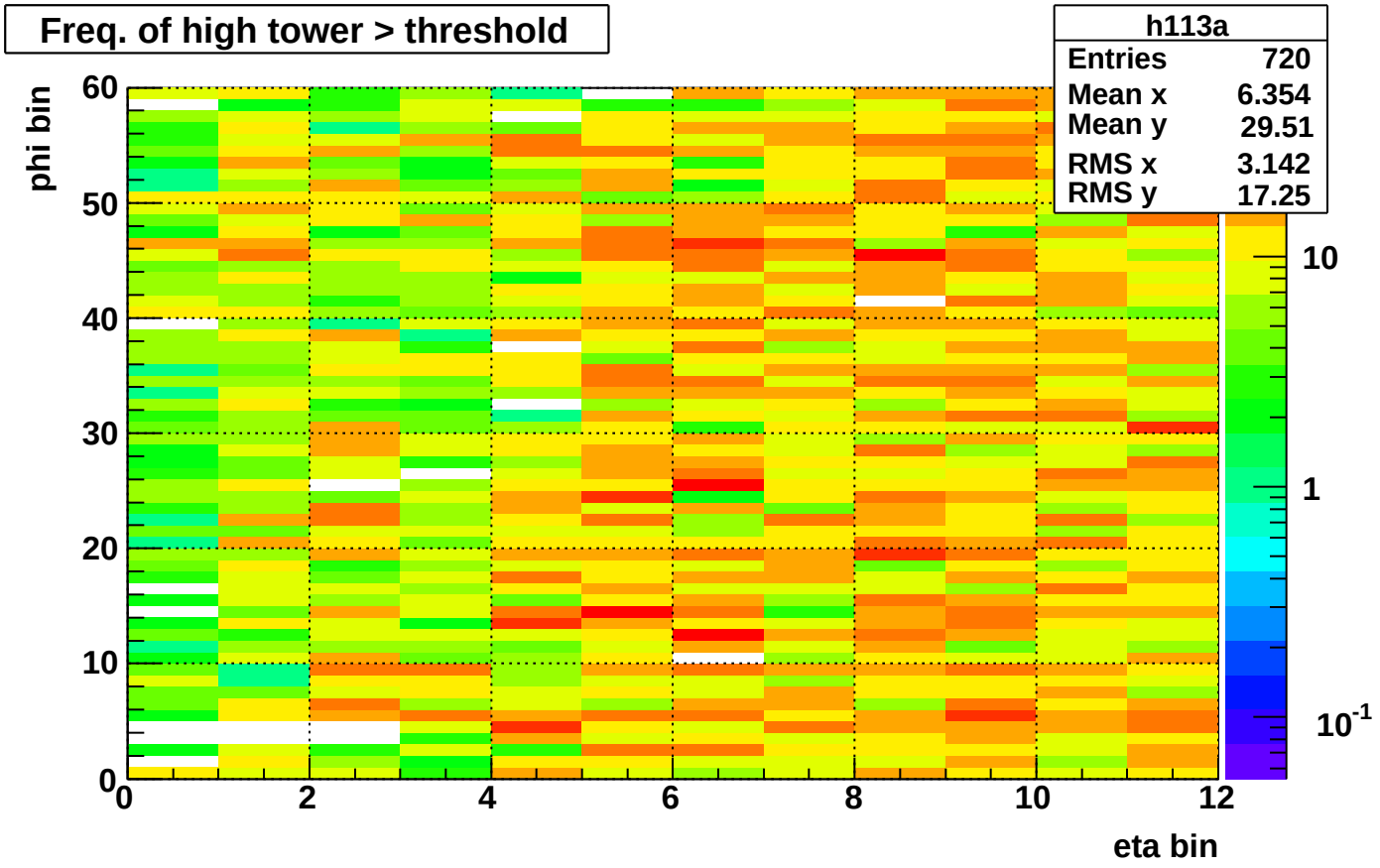

N high towers > threshold
h101
Entries 11326
Mean 1.448
RMS 0.2537
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

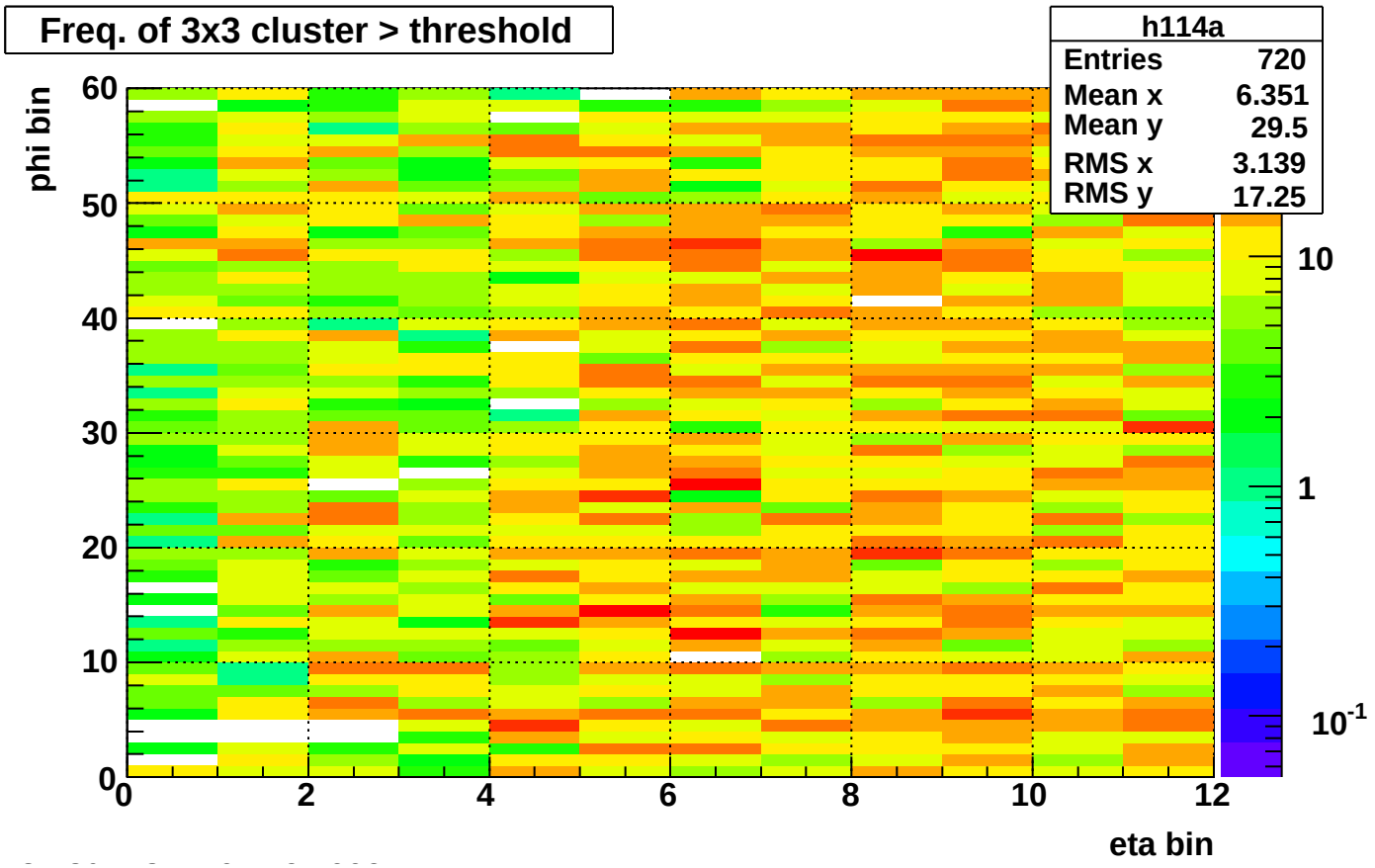

N clusters > threshold (w/ ht > threshold)
h102
Entries 11326
Mean 1.188
RMS 0.4777
0
1000
2000
3000
4000
5000
6000
7000
8000
0 1 2 3 4 5 6 7 8 9 10

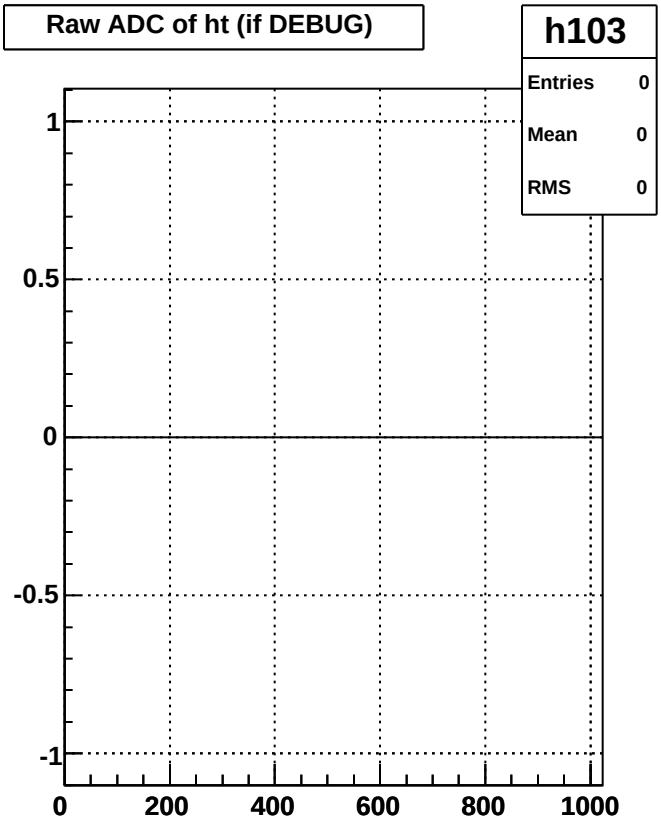

kTicks / input event
h115
Entries 11326
Mean 16.07
RMS 2.856
0
200
400
600
800
1000
1200
1400
1600
1800
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

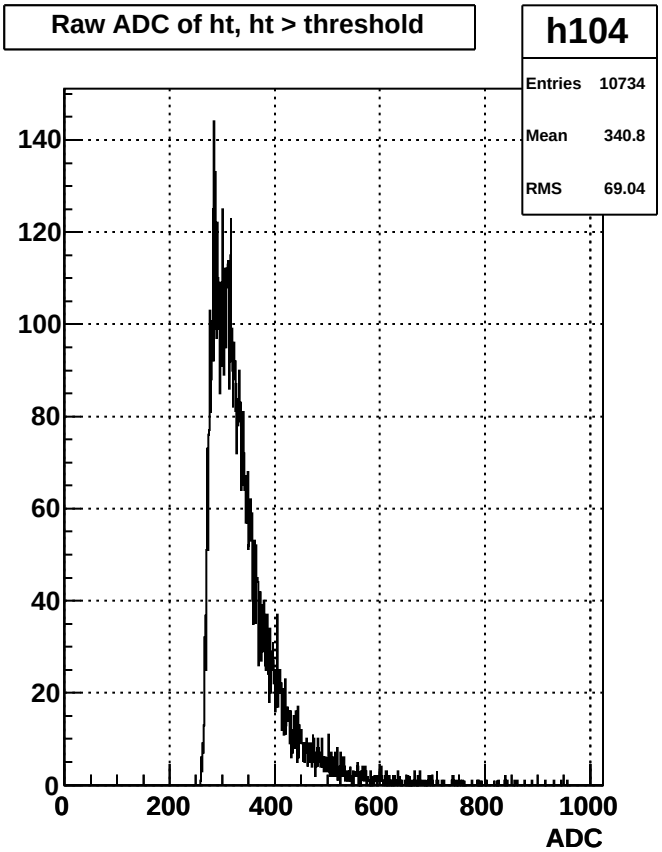

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 7866
Mean 360.9
RMS 207.1
0
10
20
30
40
50
0
100
200
300
400
500
600
700

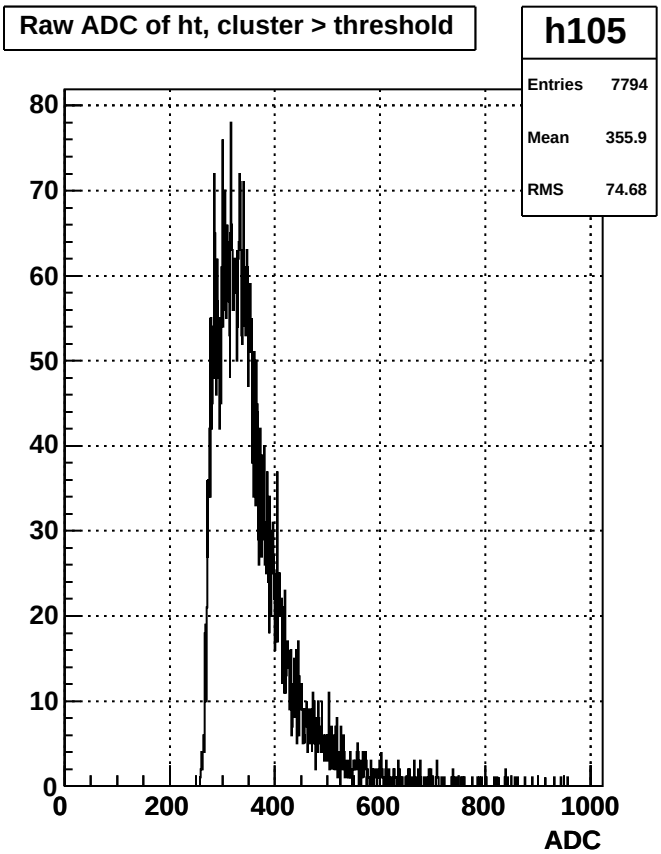

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 7794
Mean 360.8
RMS 207
0
10
20
30
40
50
0
100
200
300
400
500
600
700

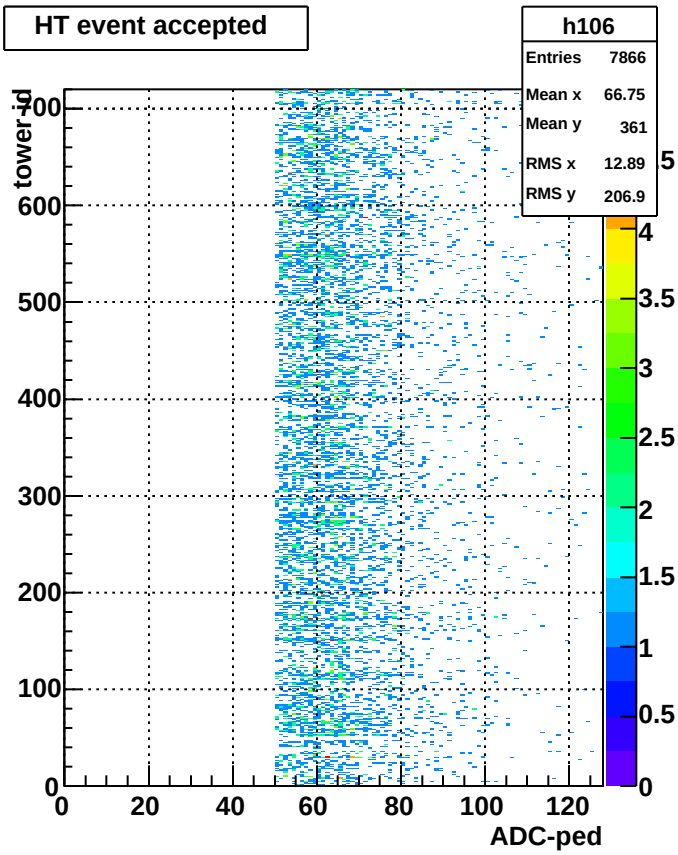

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.354
Mean y 29.51
RMS x 3.142
RMS y 17.25
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

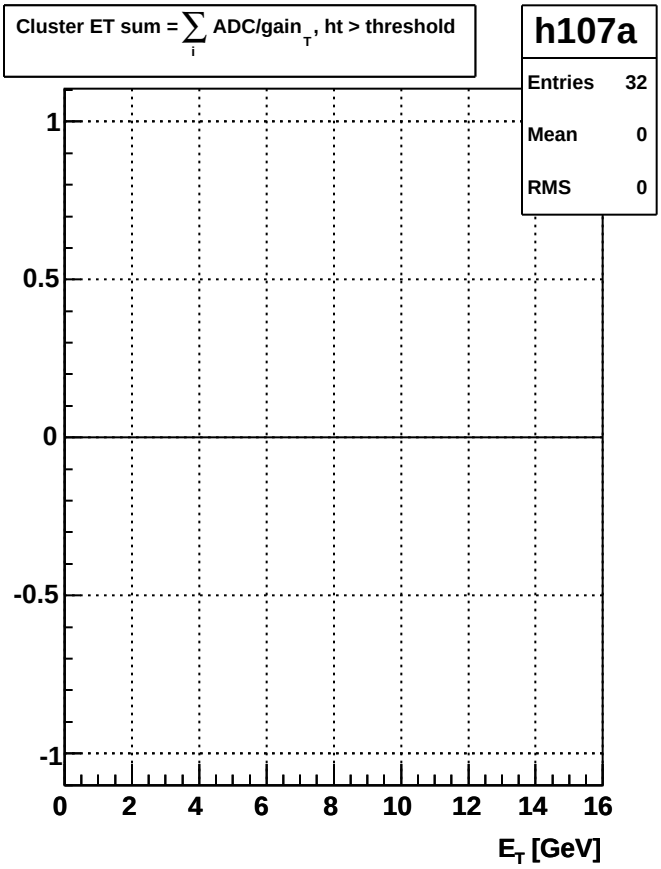

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.351
Mean y 29.5
RMS x 3.139
RMS y 17.25
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

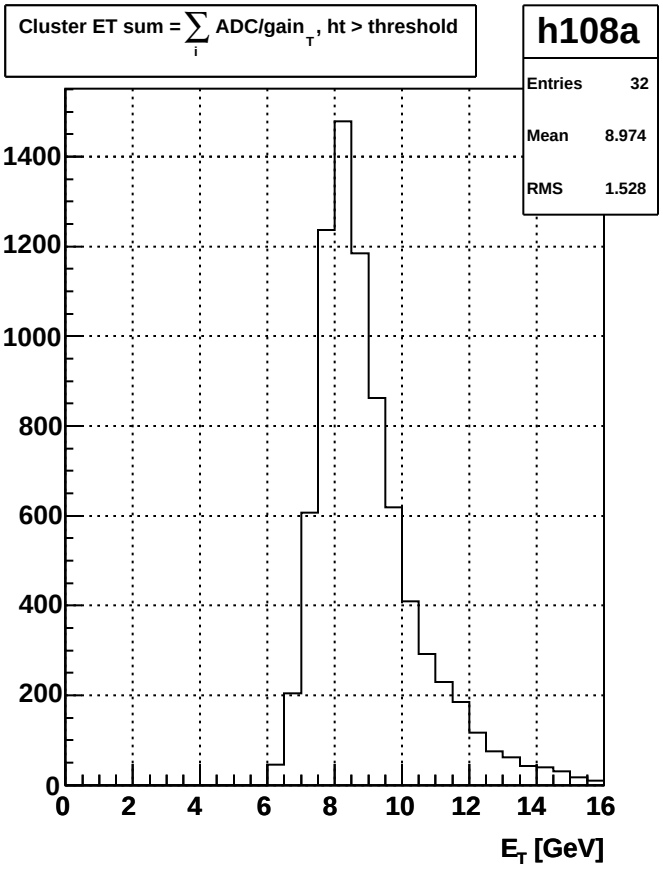

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

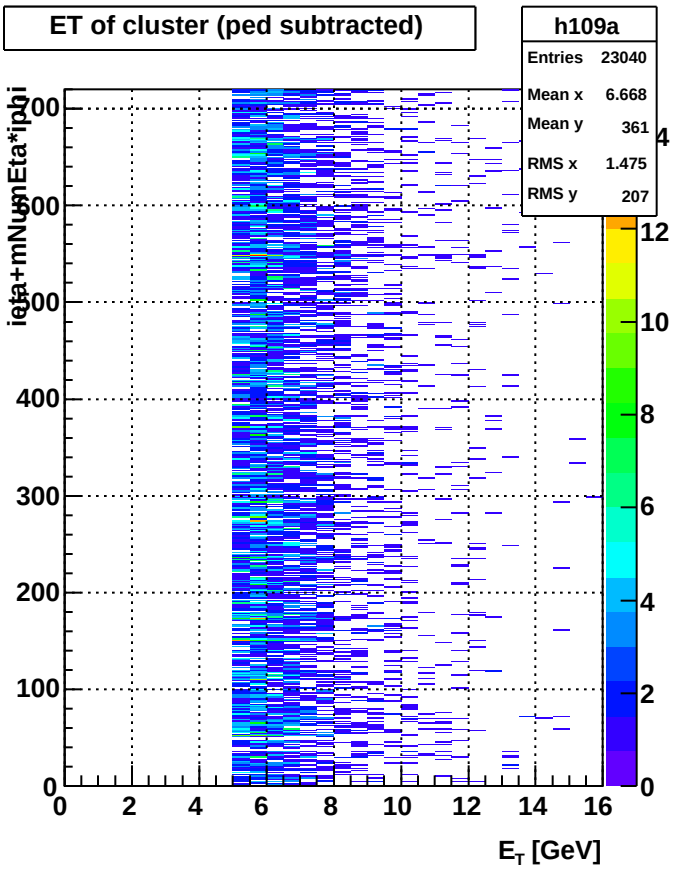

Raw ADC of ht, ht > threshold
h104
Entries 10734
Mean 340.8
RMS 69.04
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

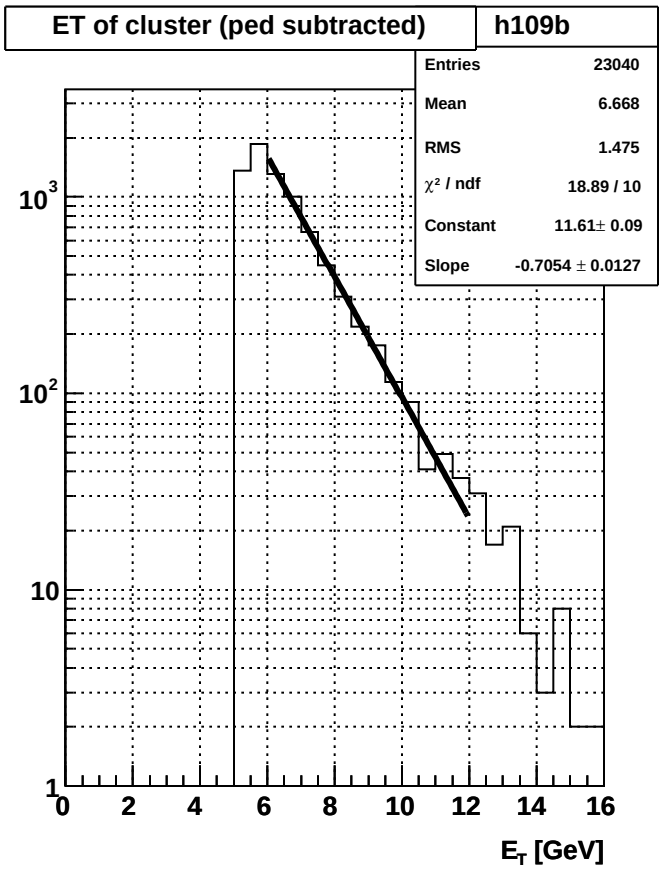

Raw ADC of ht, cluster > threshold
h105
Entries 7794
Mean 355.9
RMS 74.68
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 7866
Mean x 66.75
Mean y 361
RMS x 12.89
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
3.5
3
2.5
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 8.974
RMS 1.528
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.668
Mean y 361
RMS x 1.475
RMS y 207
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.668
RMS 1.475
χ^2 / ndf 18.89 / 10
Constant 11.61 ± 0.09
Slope -0.7054 ± 0.0127
E_T [GeV]