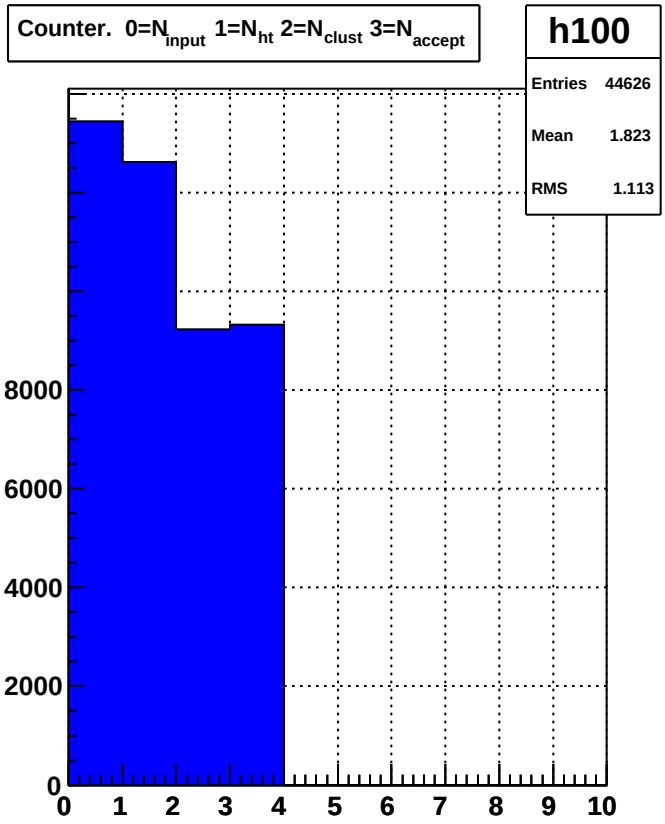
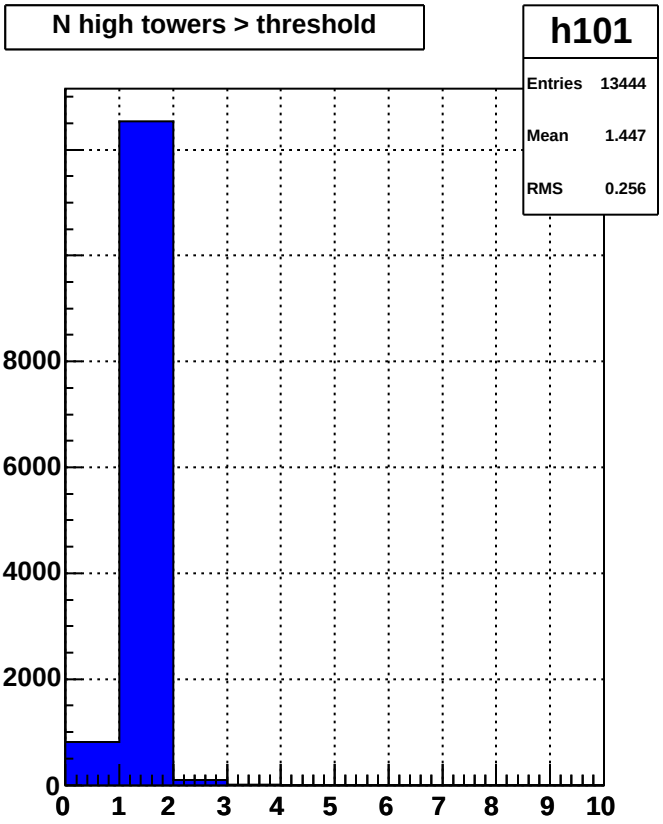
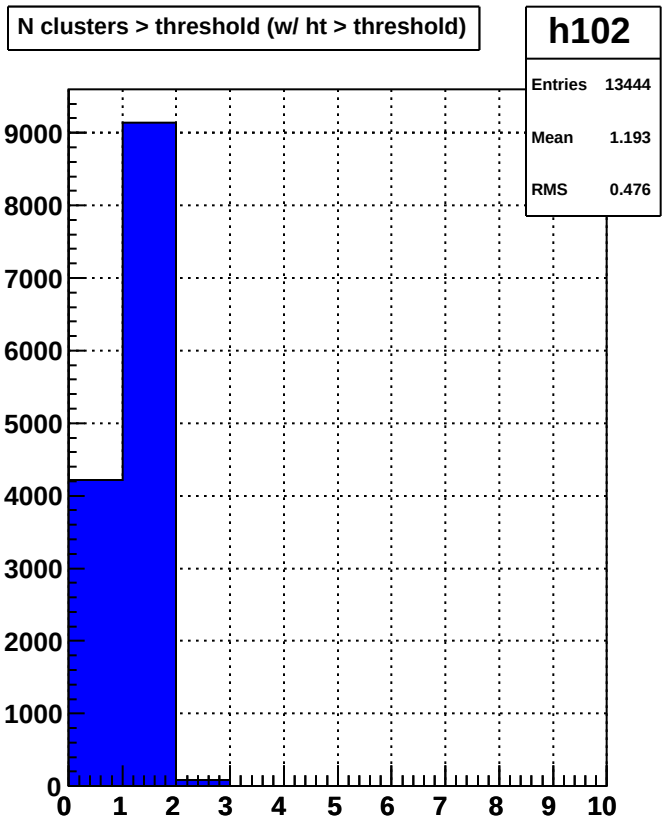
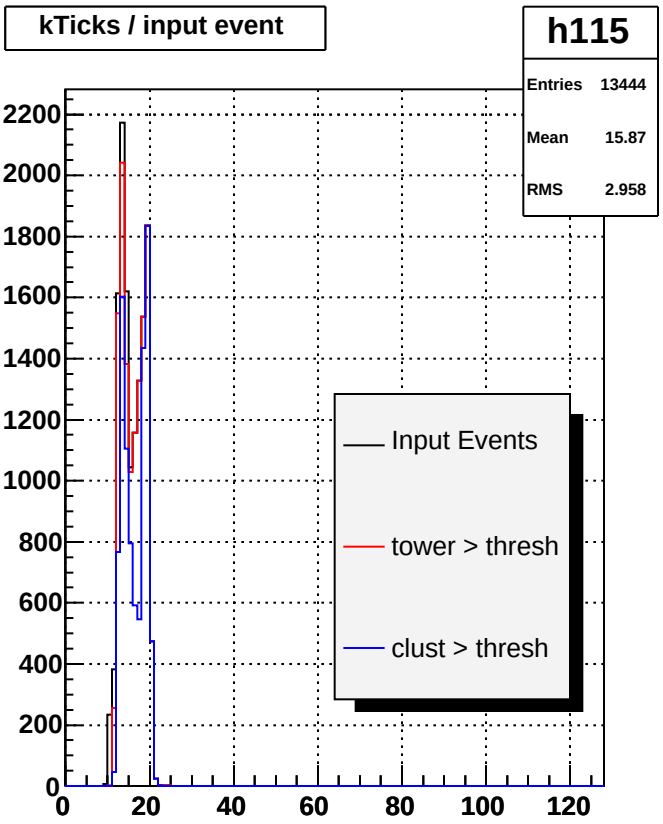
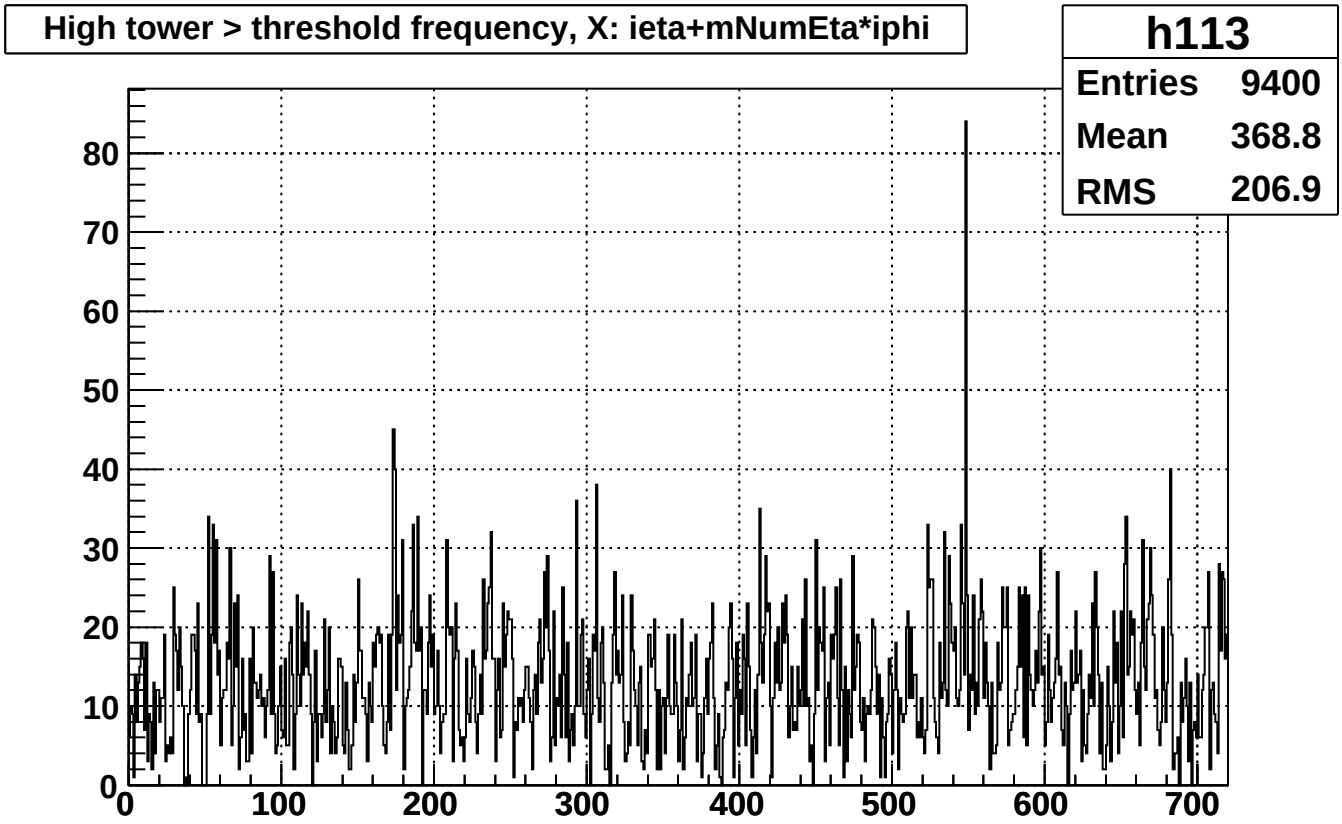
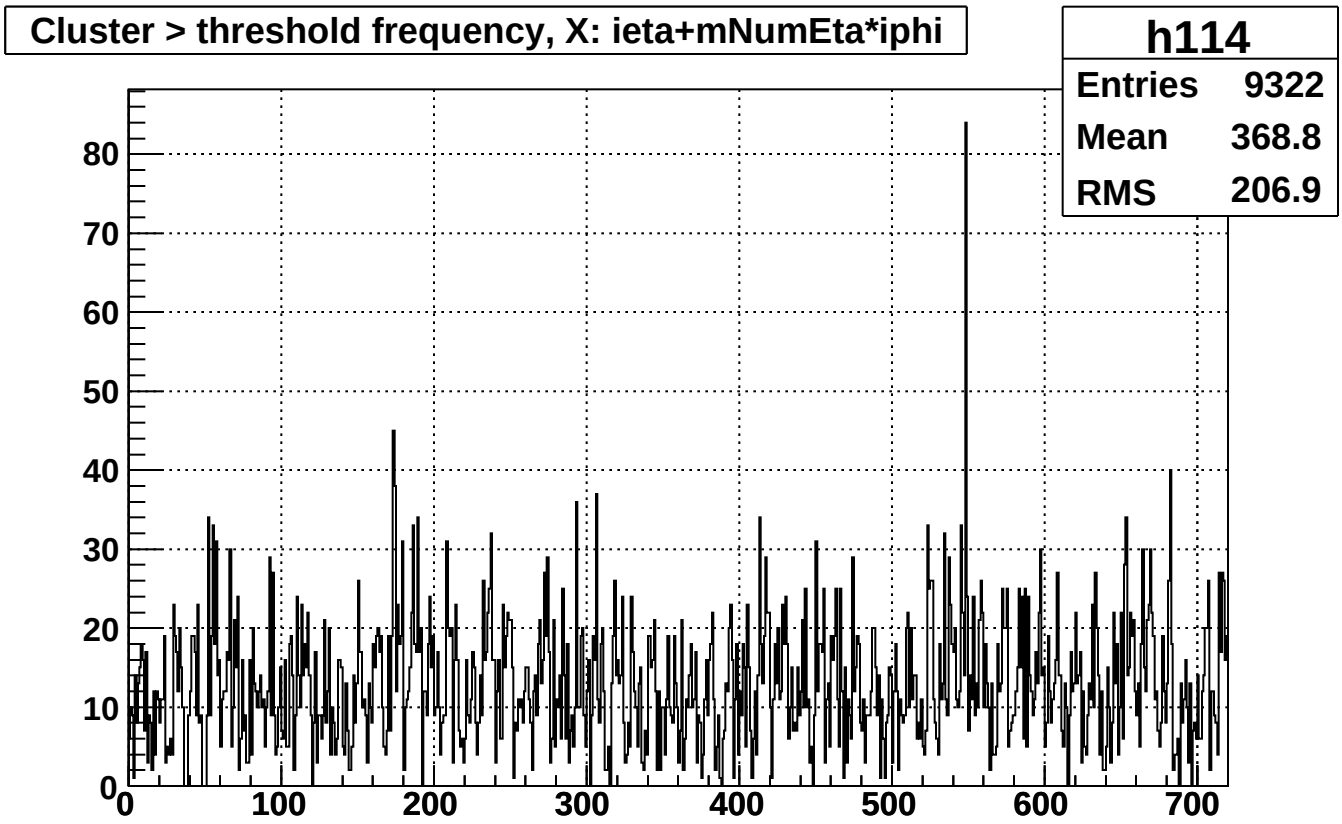

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 44626
Mean 1.823
RMS 1.113
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

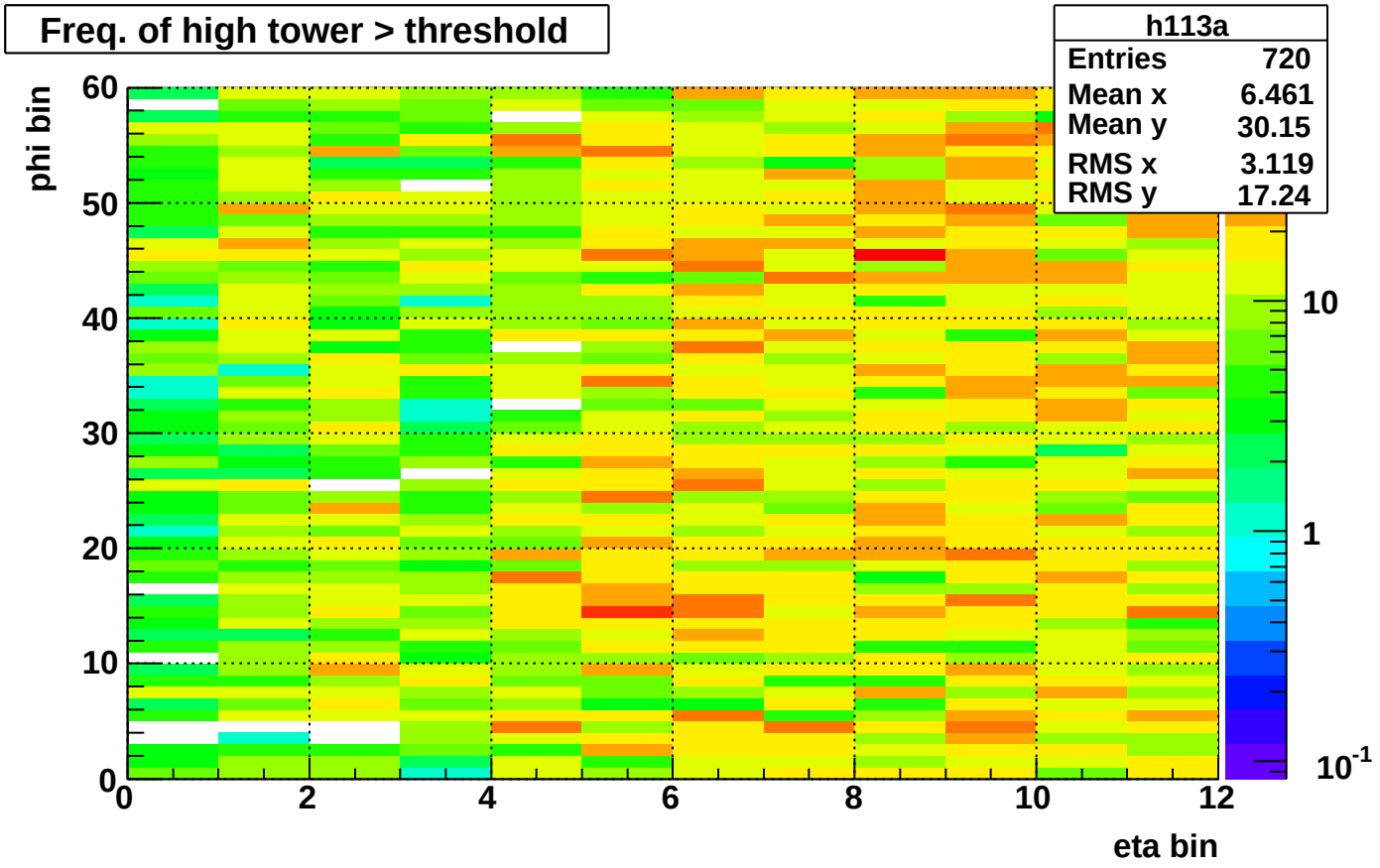

N high towers > threshold
h101
Entries 13444
Mean 1.447
RMS 0.256
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

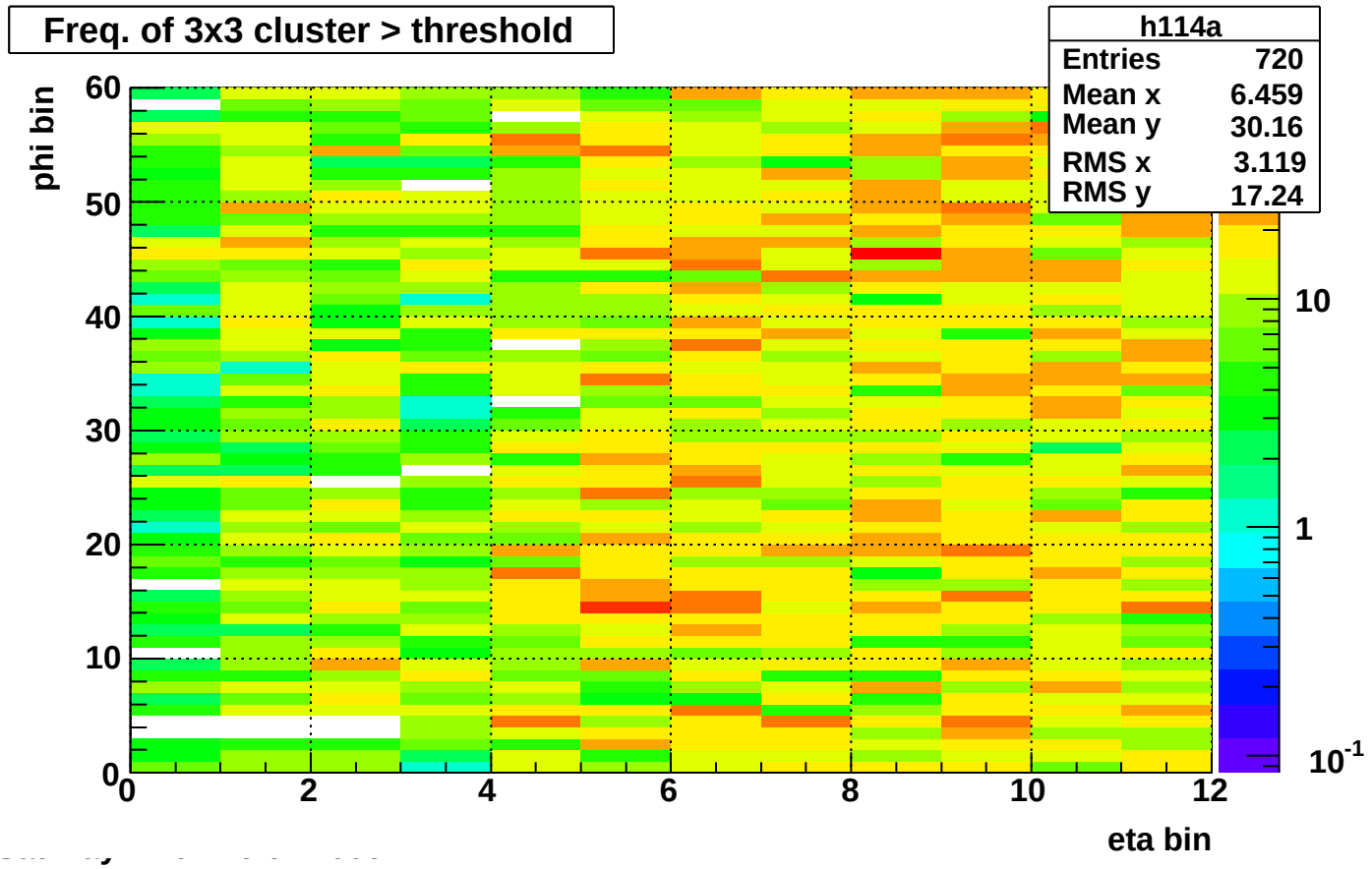

N clusters > threshold (w/ ht > threshold)
h102
Entries 13444
Mean 1.193
RMS 0.476
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0 1 2 3 4 5 6 7 8 9 10

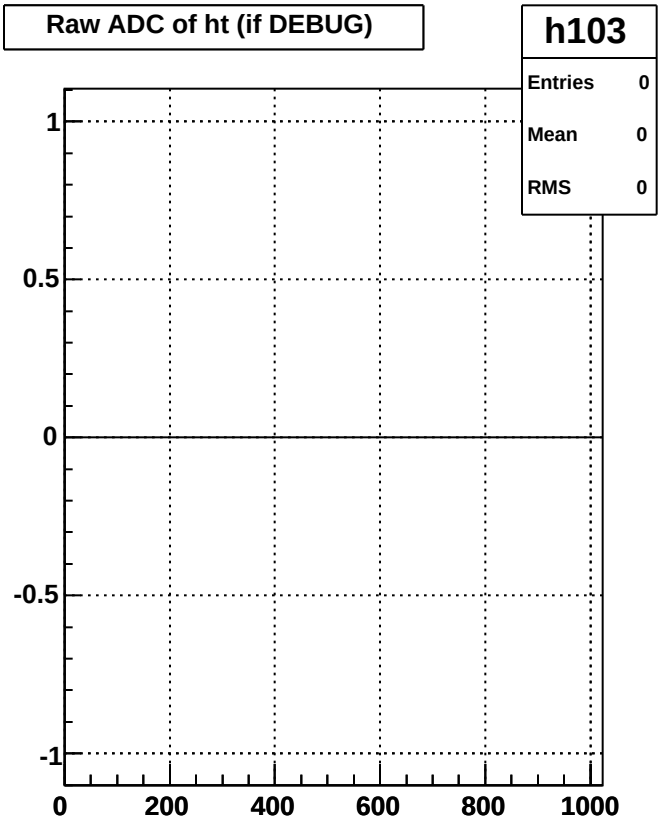

kTicks / input event
h115
Entries 13444
Mean 15.87
RMS 2.958
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

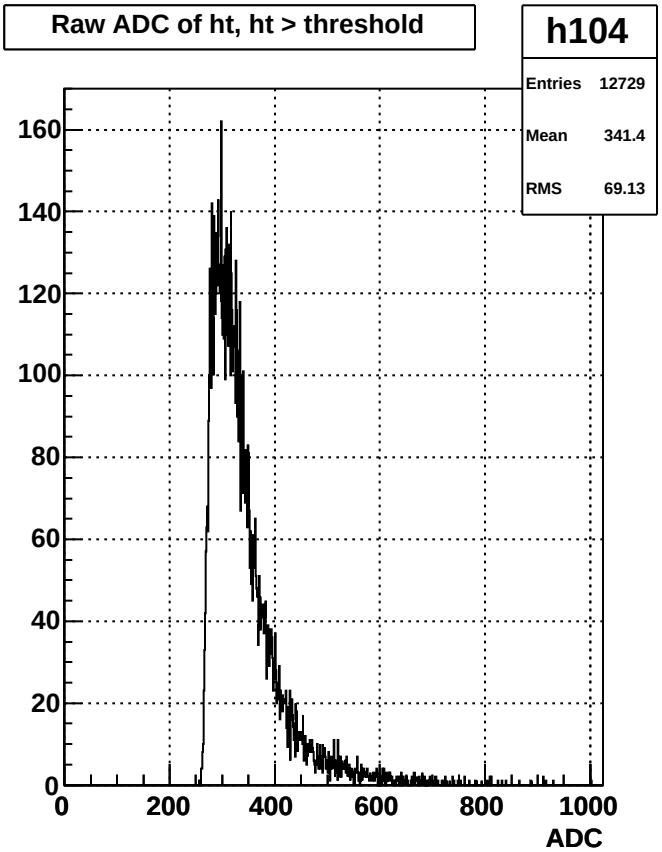

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 9400
Mean 368.8
RMS 206.9
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700

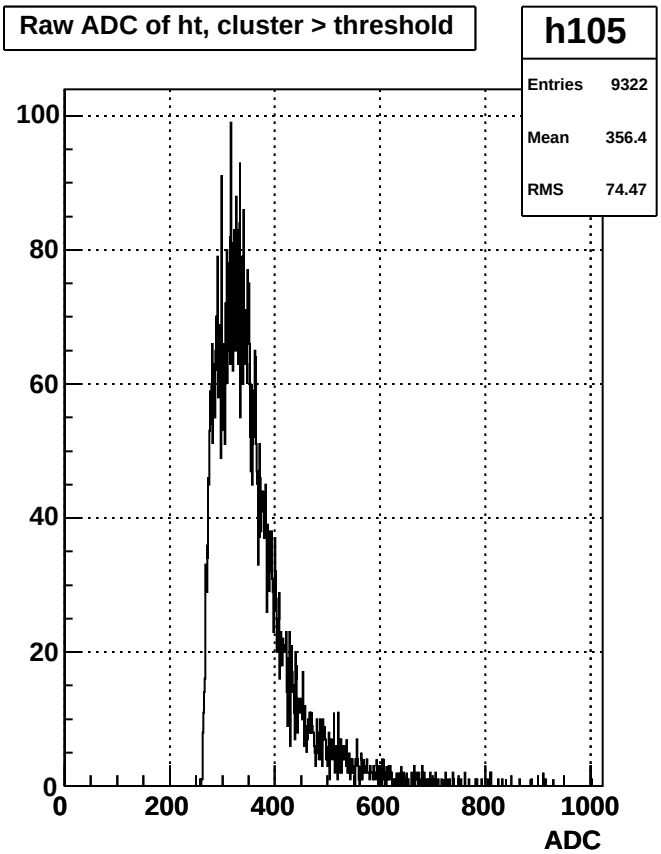

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 9322
Mean 368.8
RMS 206.9
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700

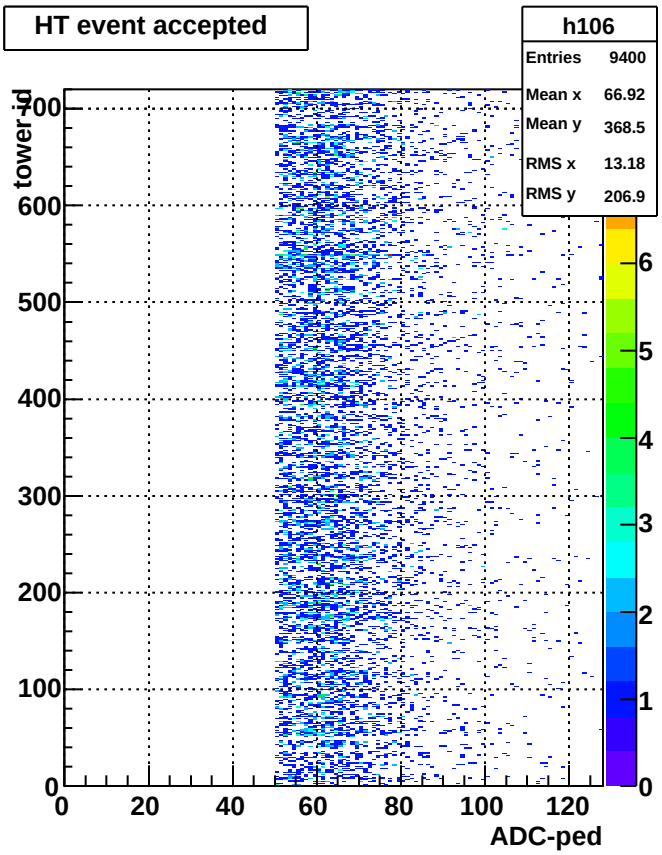

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.461
Mean y 30.15
RMS x 3.119
RMS y 17.24
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

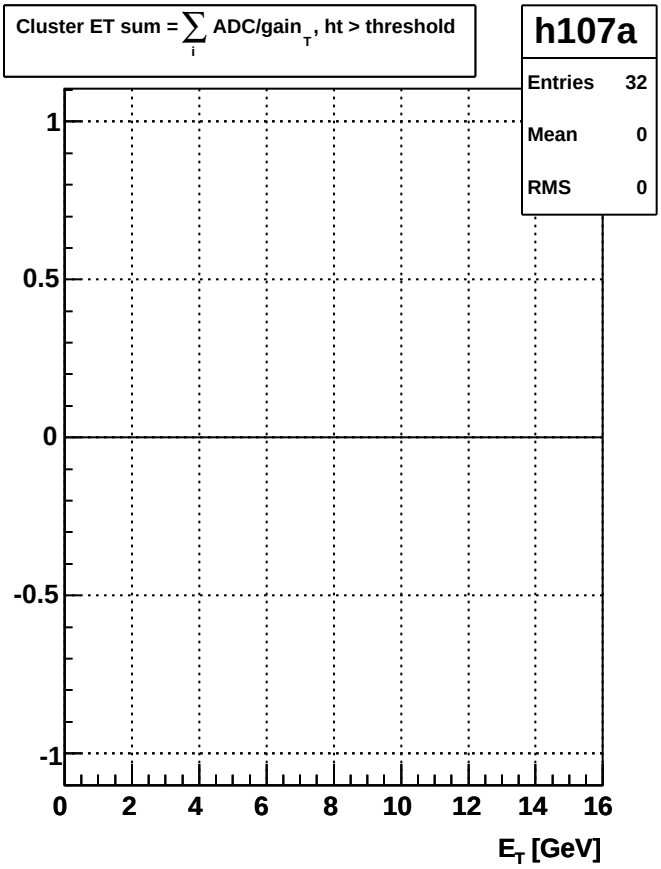

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.459
Mean y 30.16
RMS x 3.119
RMS y 17.24
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

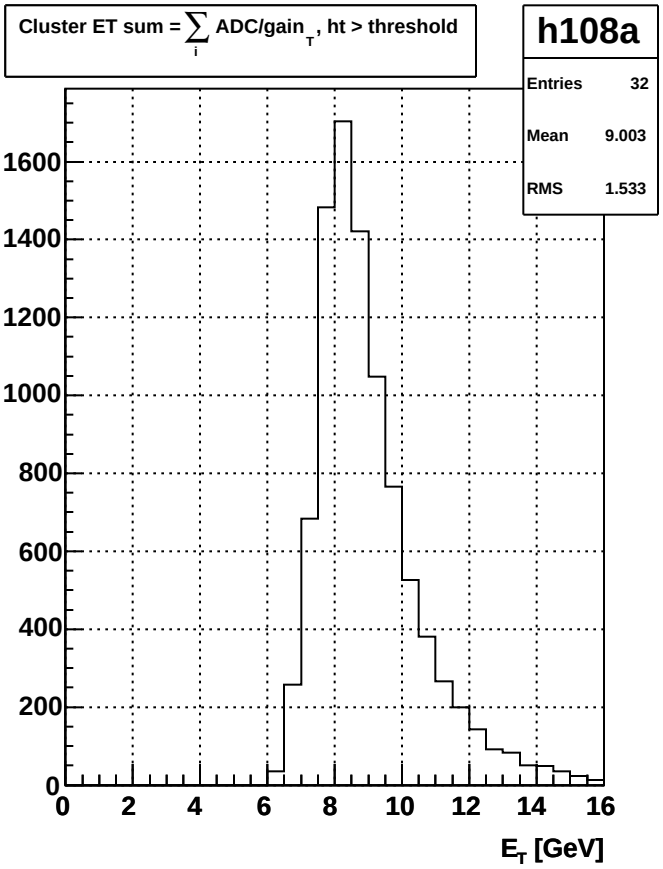

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

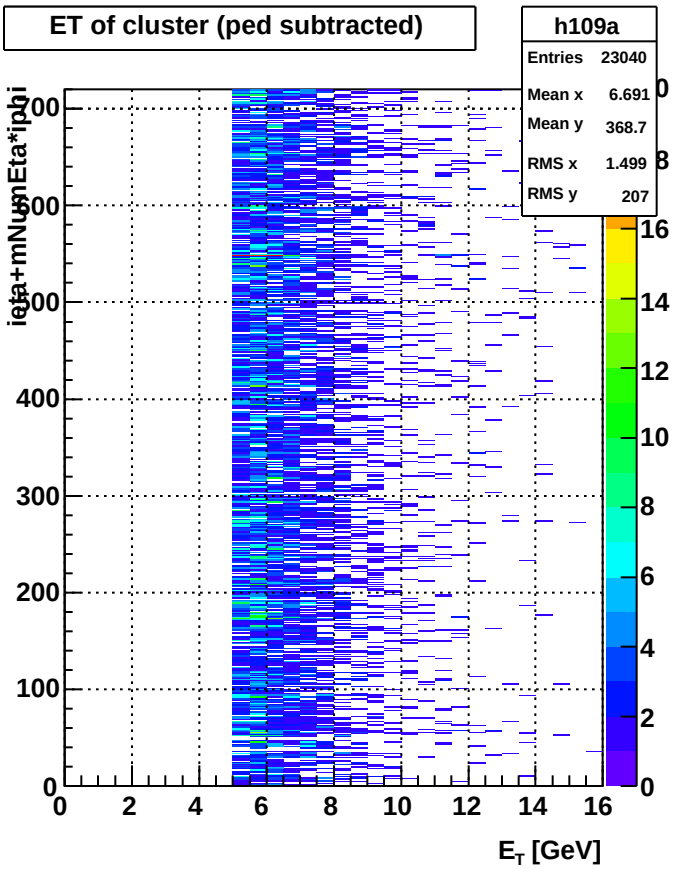

Raw ADC of ht, ht > threshold
h104
Entries 12729
Mean 341.4
RMS 69.13
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

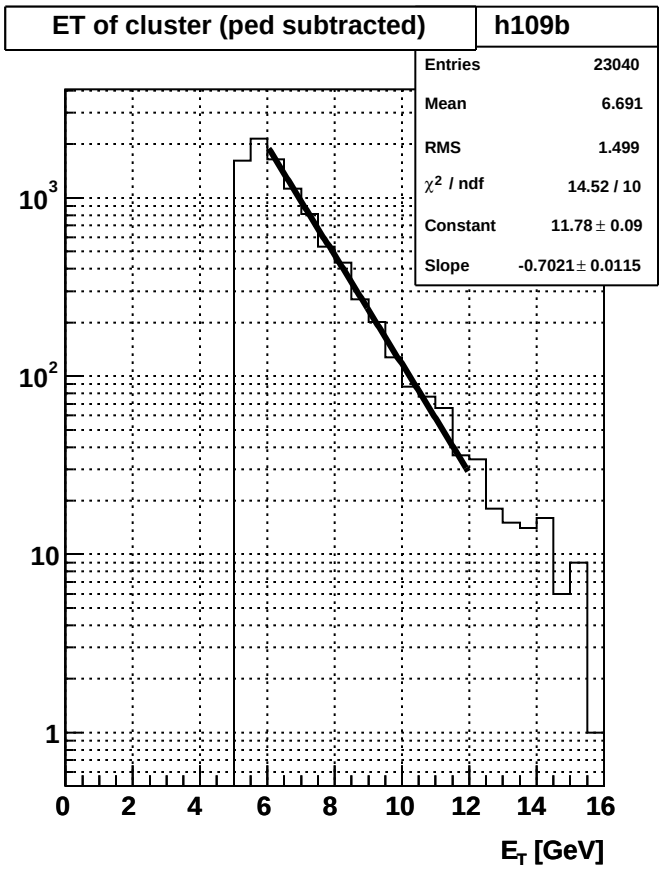

Raw ADC of ht, cluster > threshold
h105
Entries 9322
Mean 356.4
RMS 74.47
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 9400
Mean x 66.92
Mean y 368.5
RMS x 13.18
RMS y 206.9
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 9.003
RMS 1.533
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.691
Mean y 368.7
RMS x 1.499
RMS y 207
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.691
RMS 1.499
χ^2 / ndf 14.52 / 10
Constant 11.78 ± 0.09
Slope -0.7021 ± 0.0115
E_T [GeV]