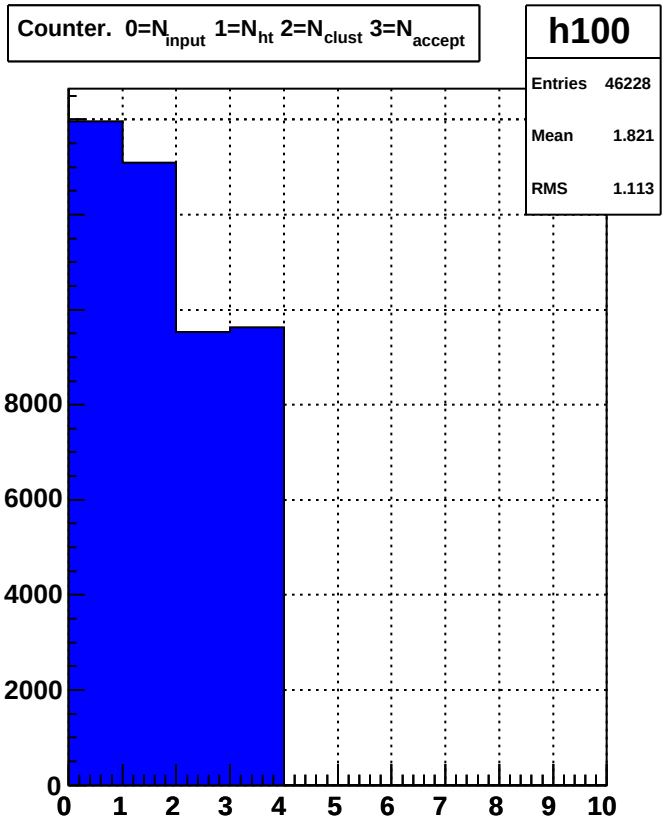
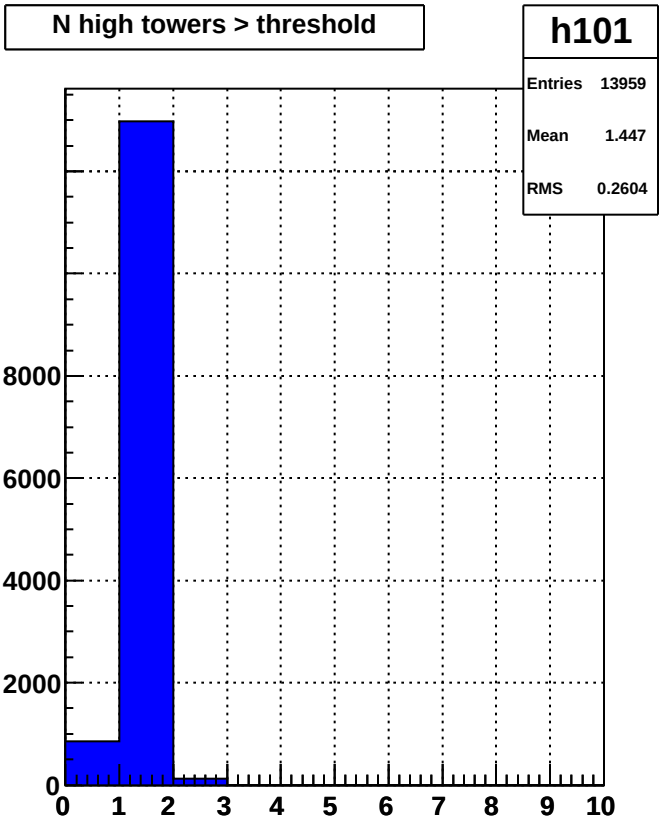
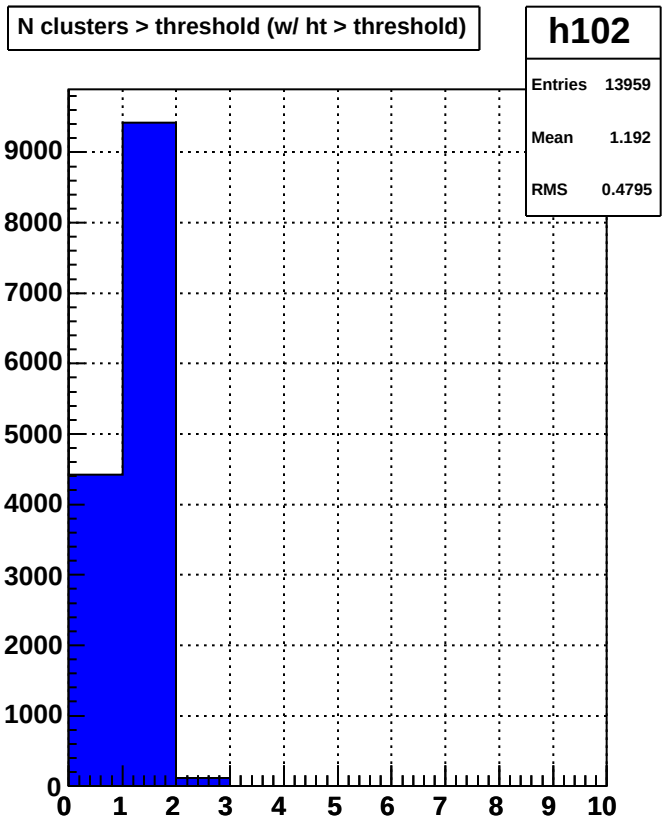
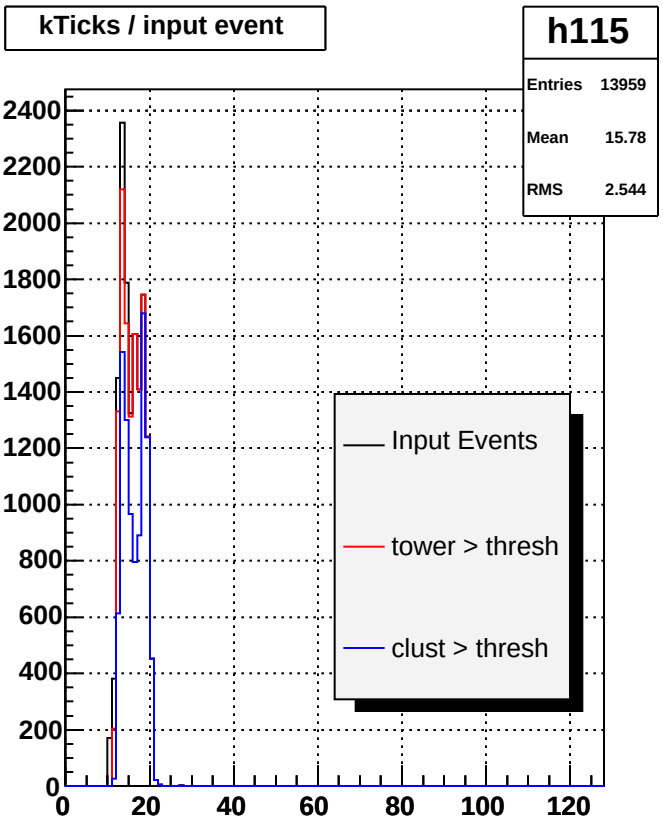
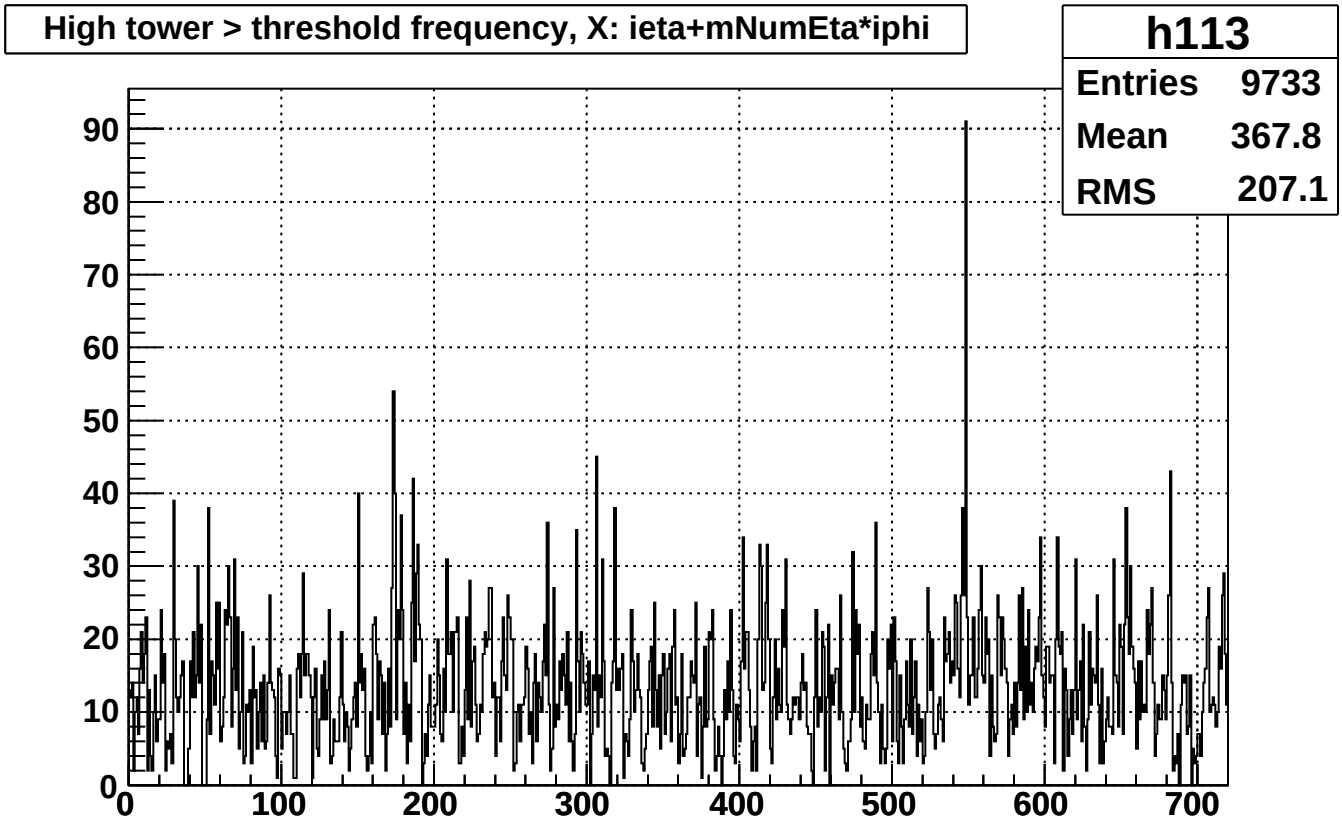
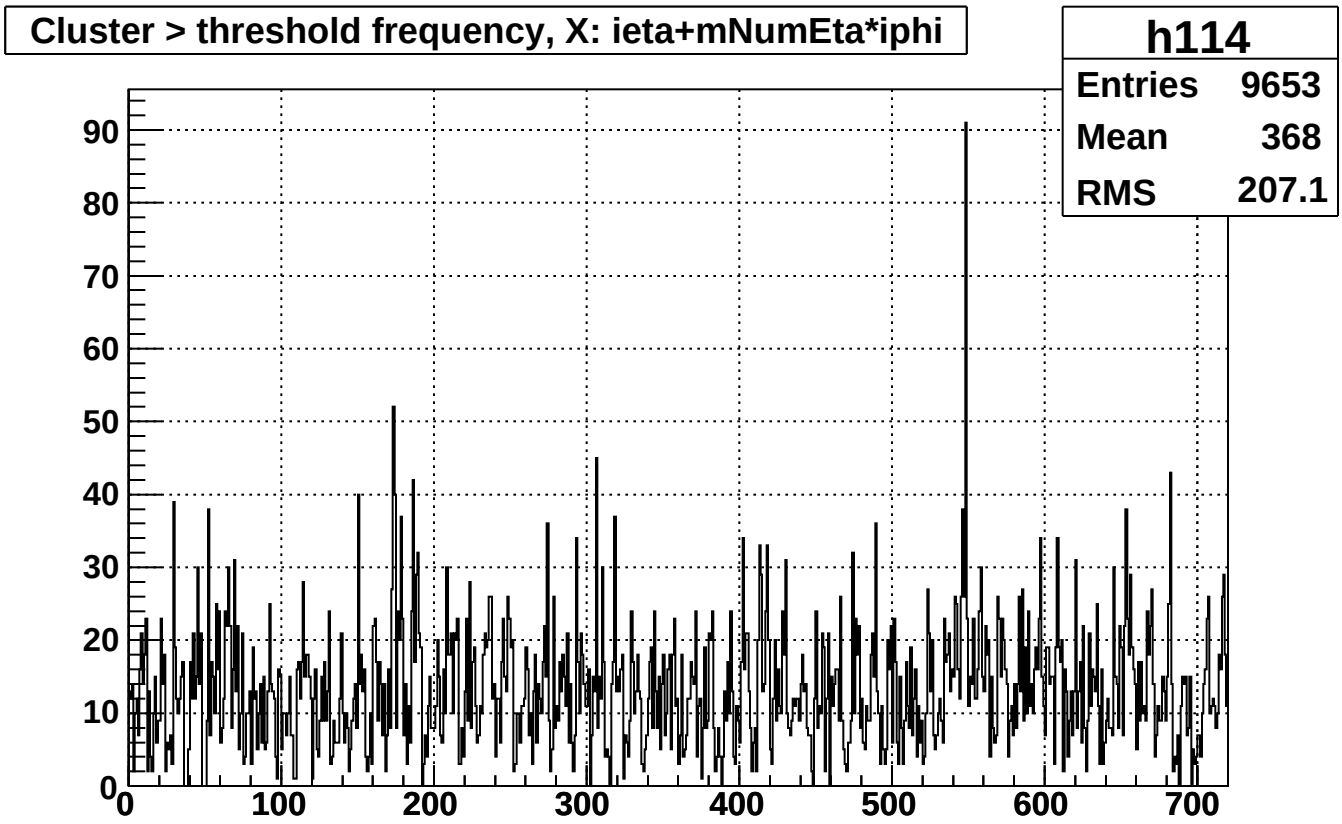

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 46228
Mean 1.821
RMS 1.113
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

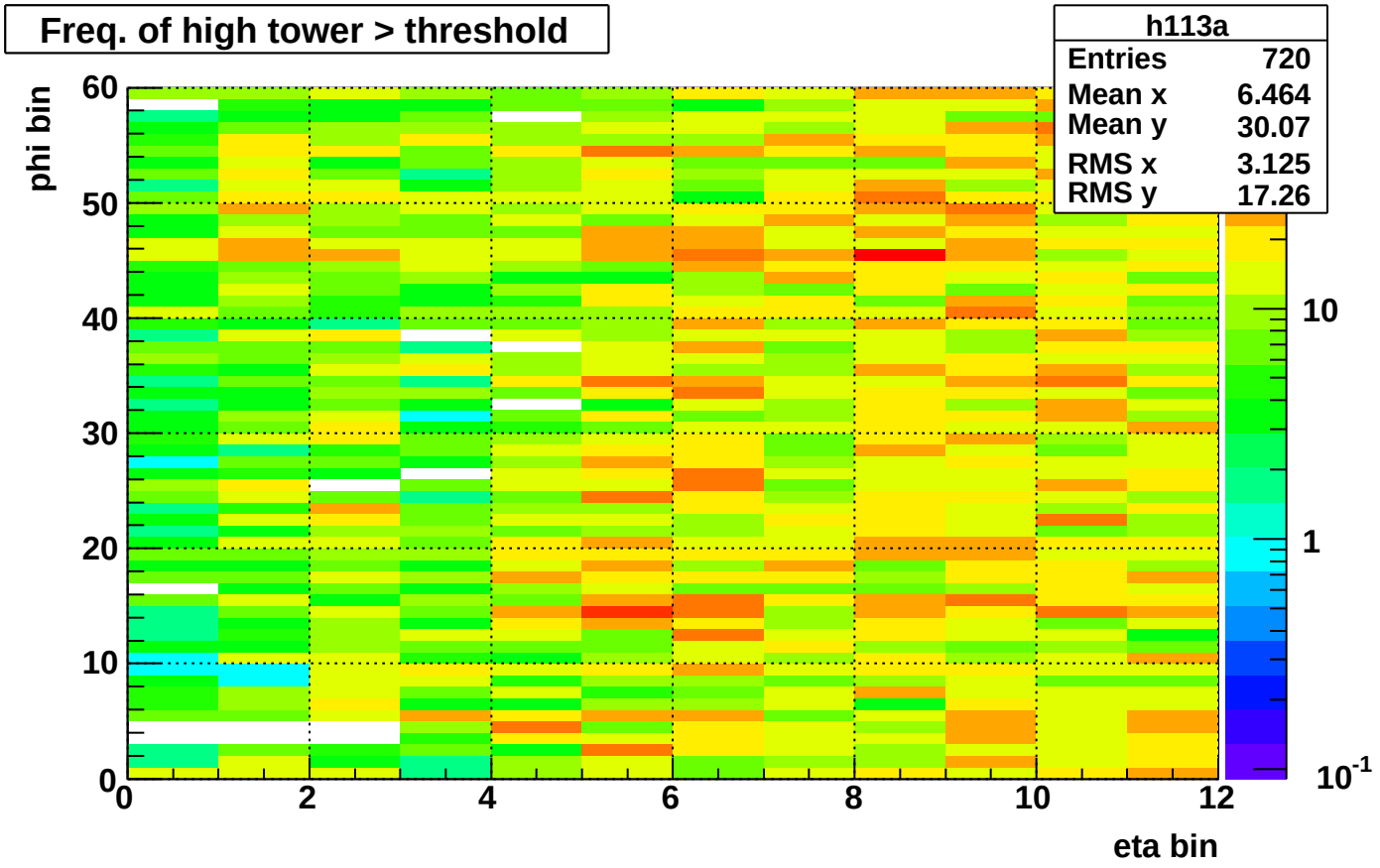

N high towers > threshold
h101
Entries 13959
Mean 1.447
RMS 0.2604
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

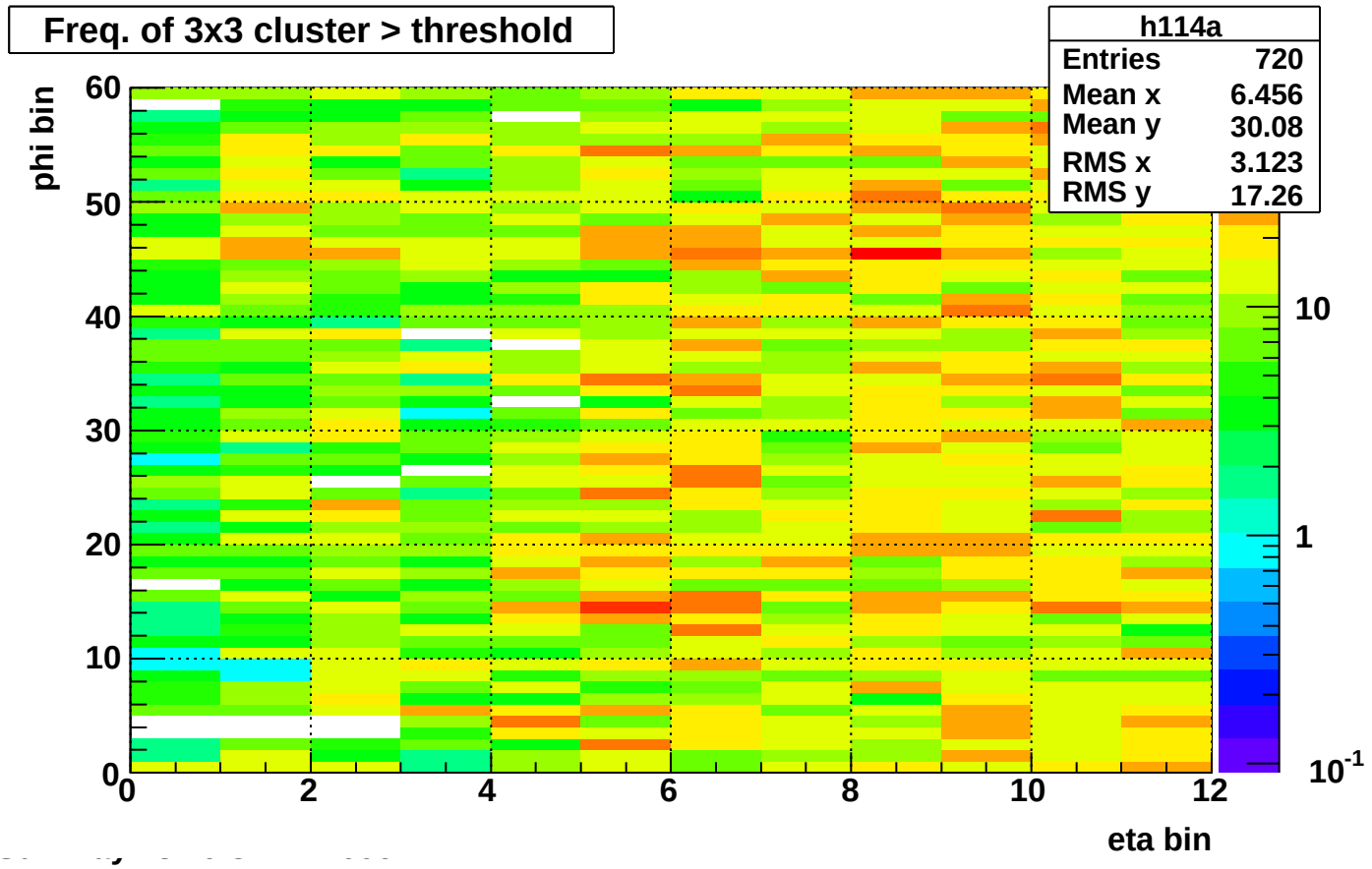

N clusters > threshold (w/ ht > threshold)
h102
Entries 13959
Mean 1.192
RMS 0.4795
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0 1 2 3 4 5 6 7 8 9 10

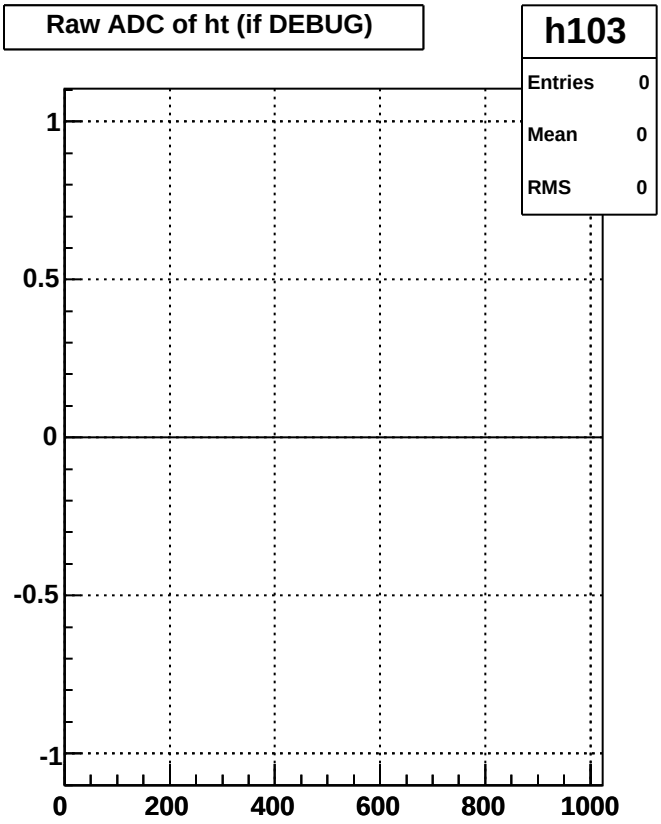

kTicks / input event
h115
Entries 13959
Mean 15.78
RMS 2.544
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

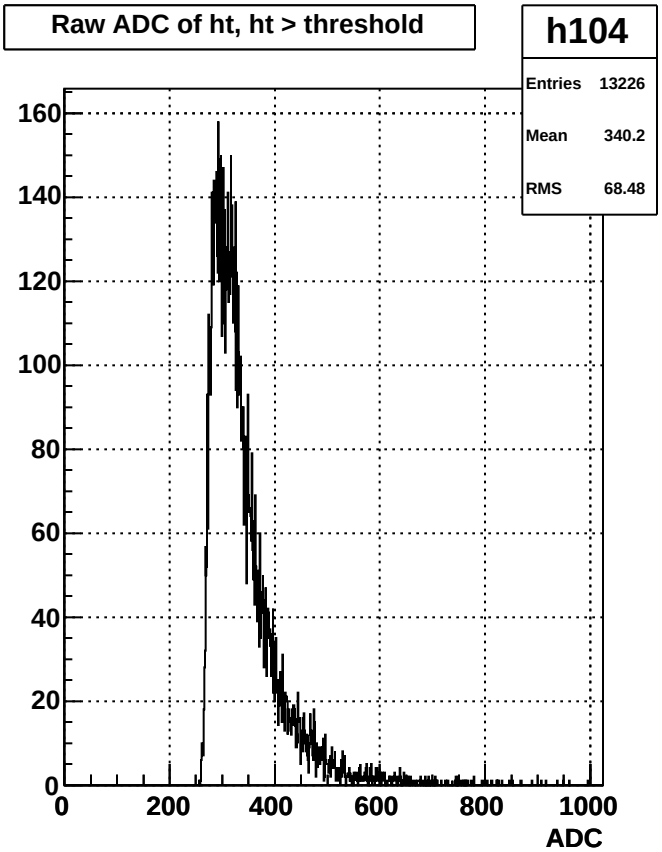

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 9733
Mean 367.8
RMS 207.1
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

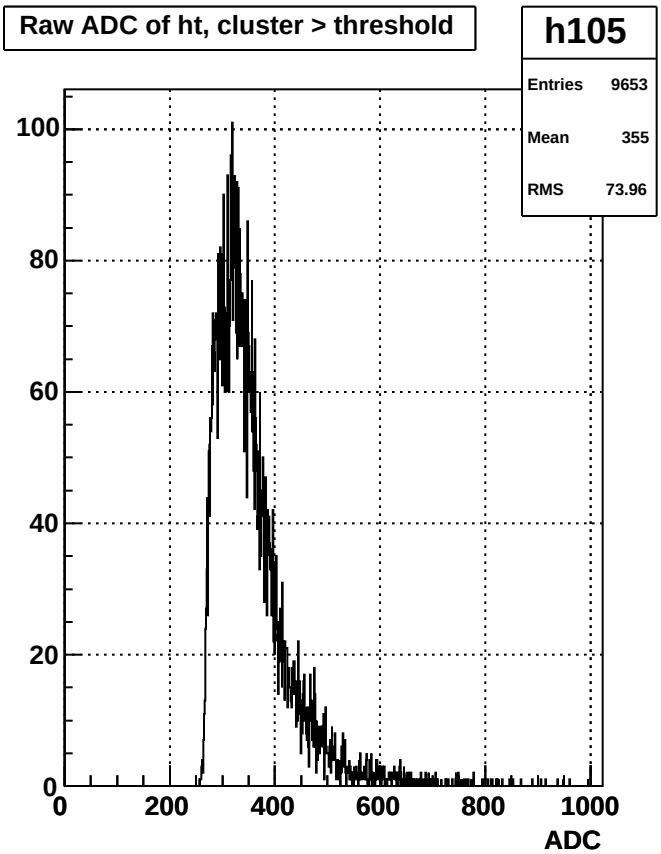

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 9653
Mean 368
RMS 207.1
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

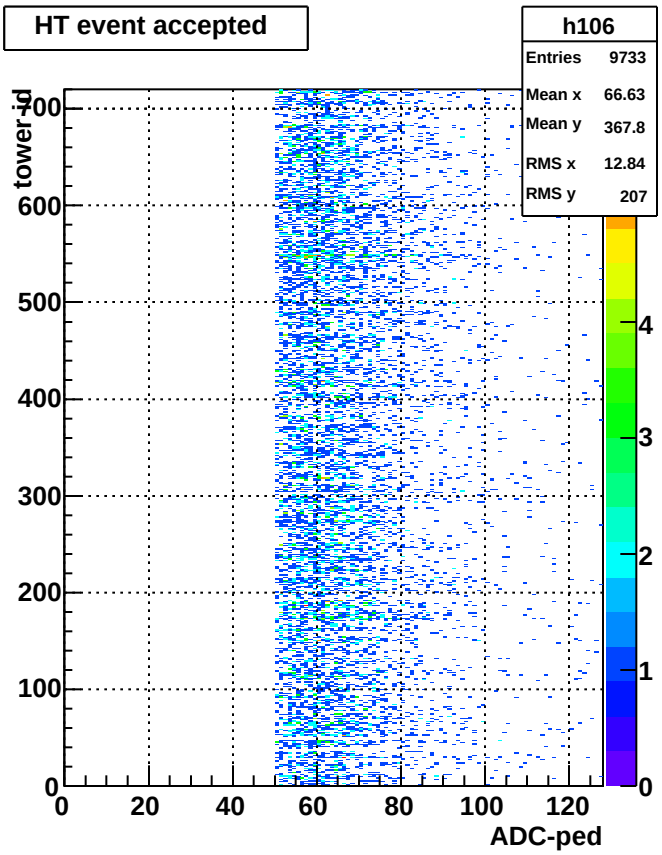

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.464
Mean y 30.07
RMS x 3.125
RMS y 17.26
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

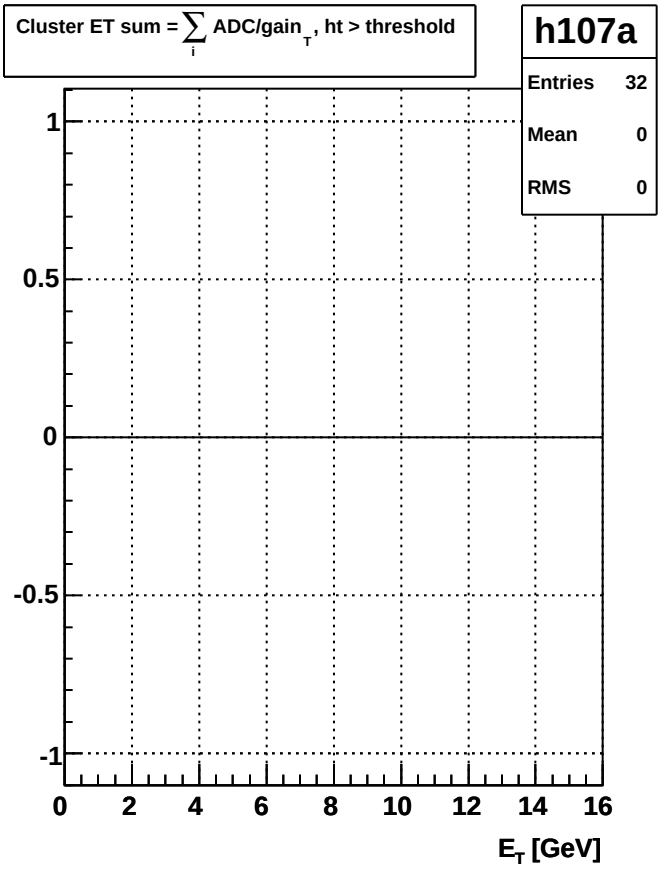

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.456
Mean y 30.08
RMS x 3.123
RMS y 17.26
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

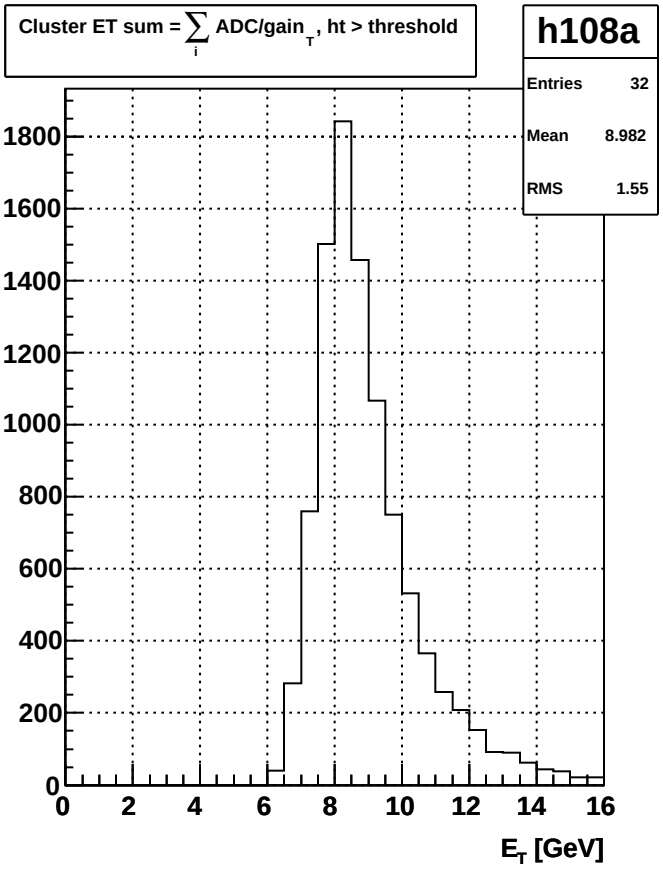

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

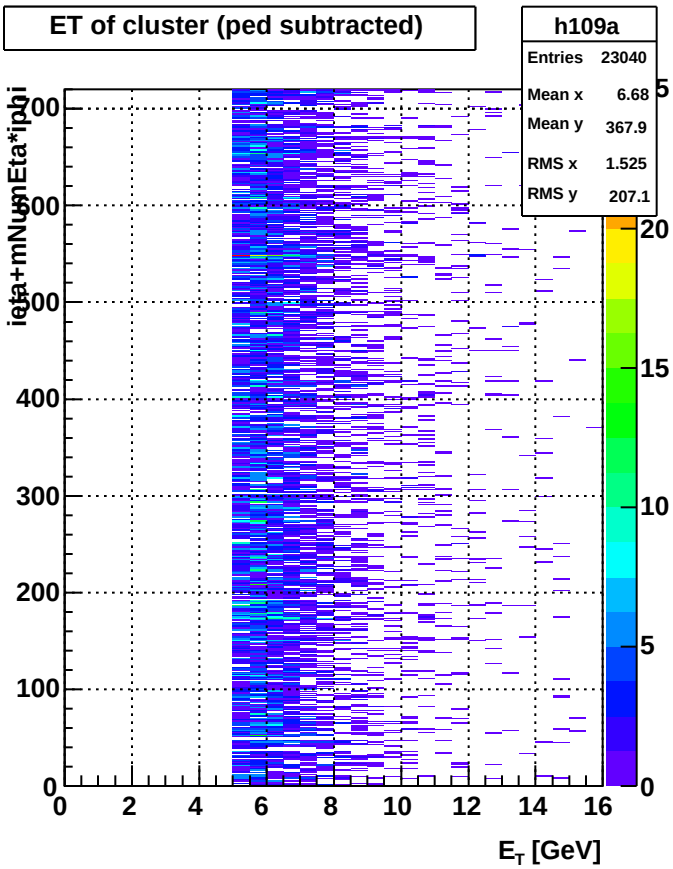

Raw ADC of ht, ht > threshold
h104
Entries 13226
Mean 340.2
RMS 68.48
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

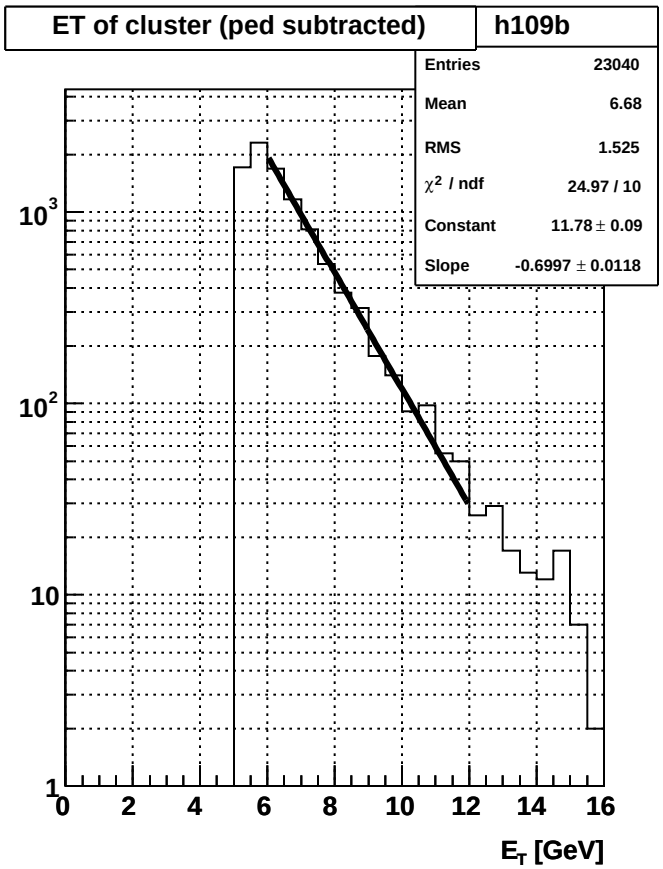

Raw ADC of ht, cluster > threshold
h105
Entries 9653
Mean 355
RMS 73.96
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 9733
Mean x 66.63
Mean y 367.8
RMS x 12.84
RMS y 207
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
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 8.982
RMS 1.55
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.68
Mean y 367.9
RMS x 1.525
RMS y 207.1
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.68
RMS 1.525
χ^2 / ndf 24.97 / 10
Constant 11.78 ± 0.09
Slope -0.6997 ± 0.0118
E_T [GeV]