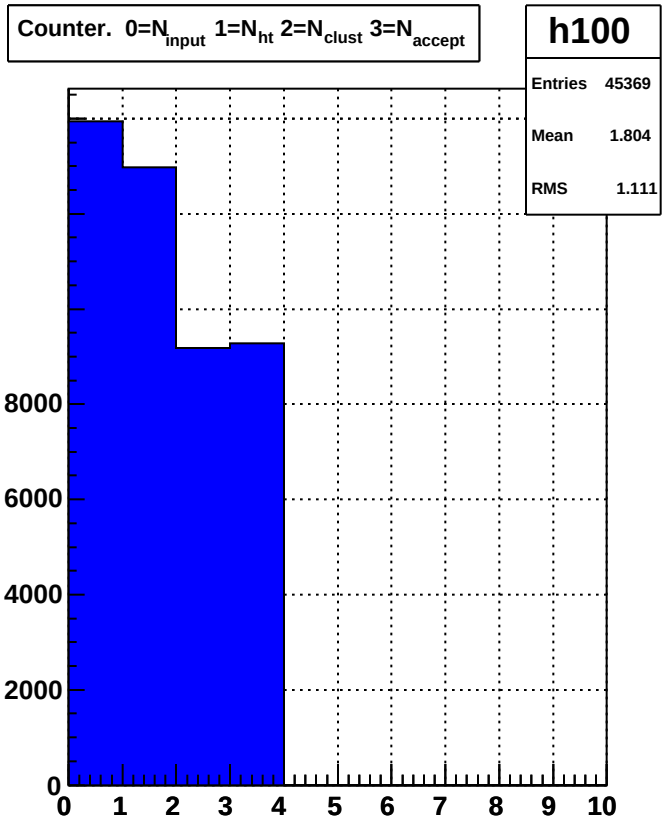
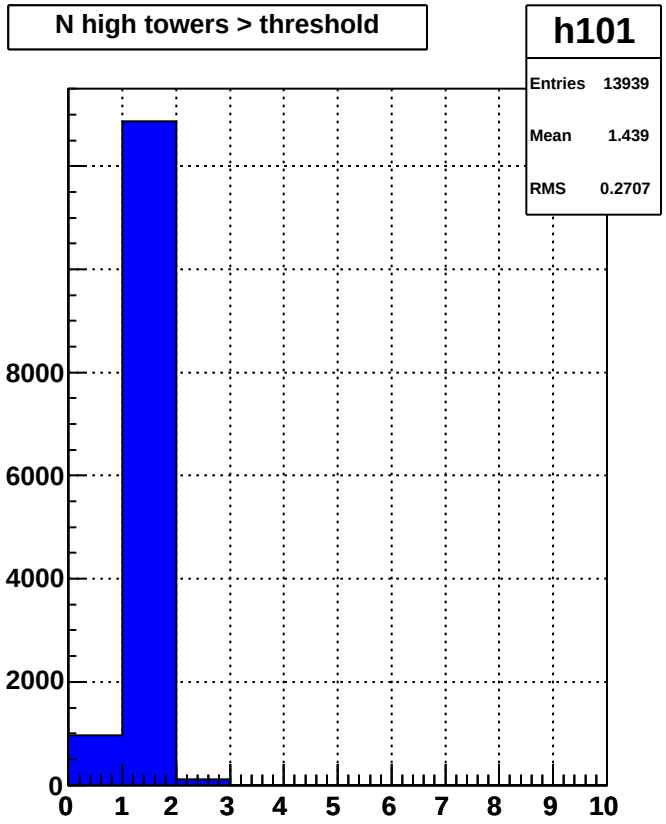
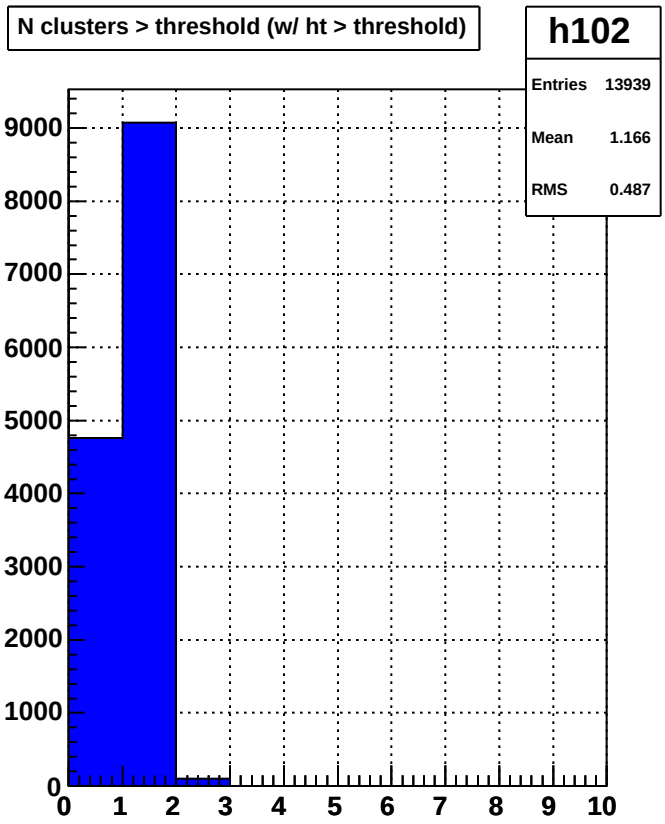
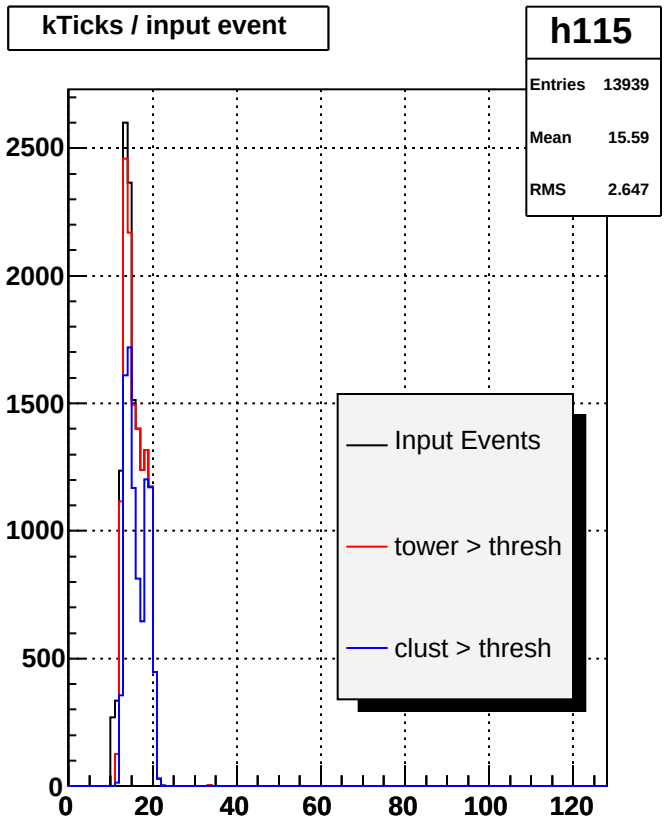
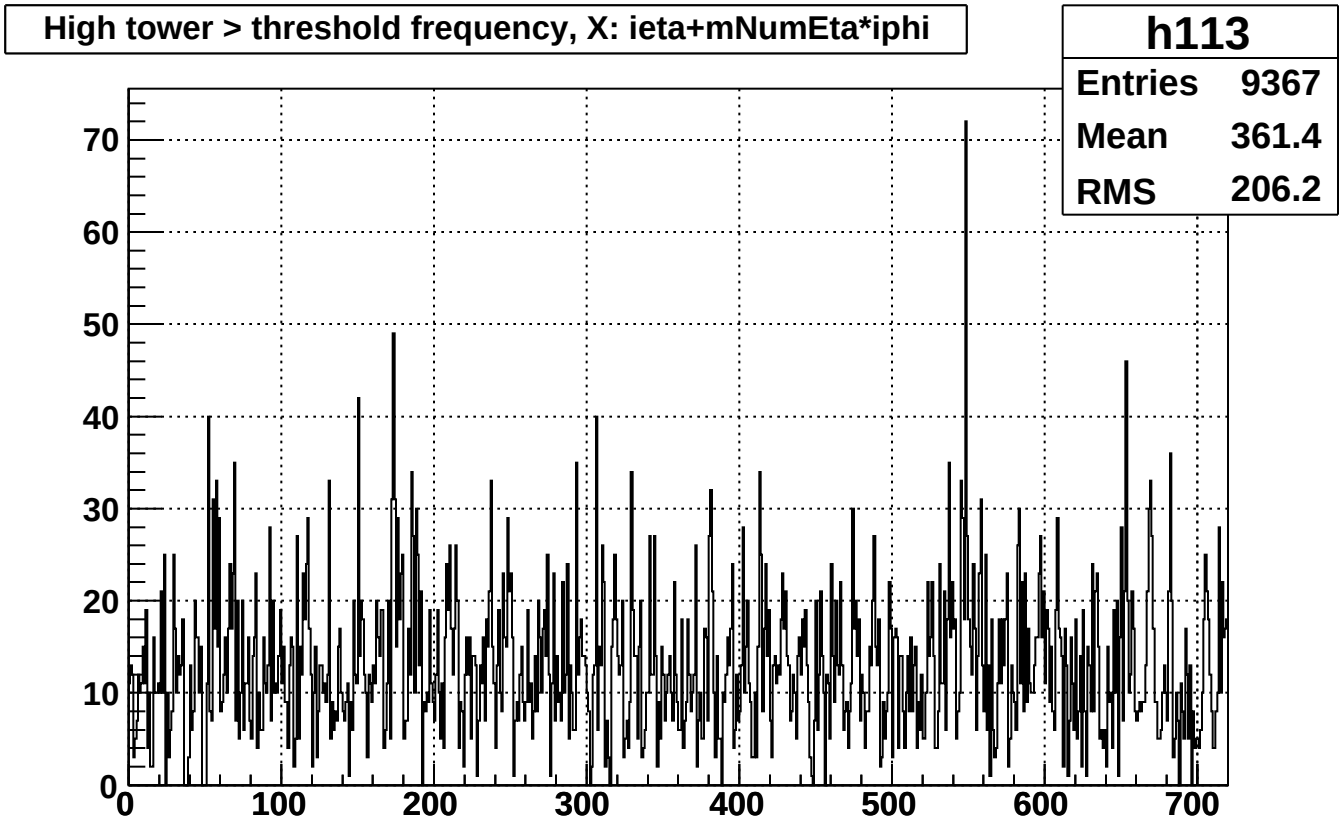
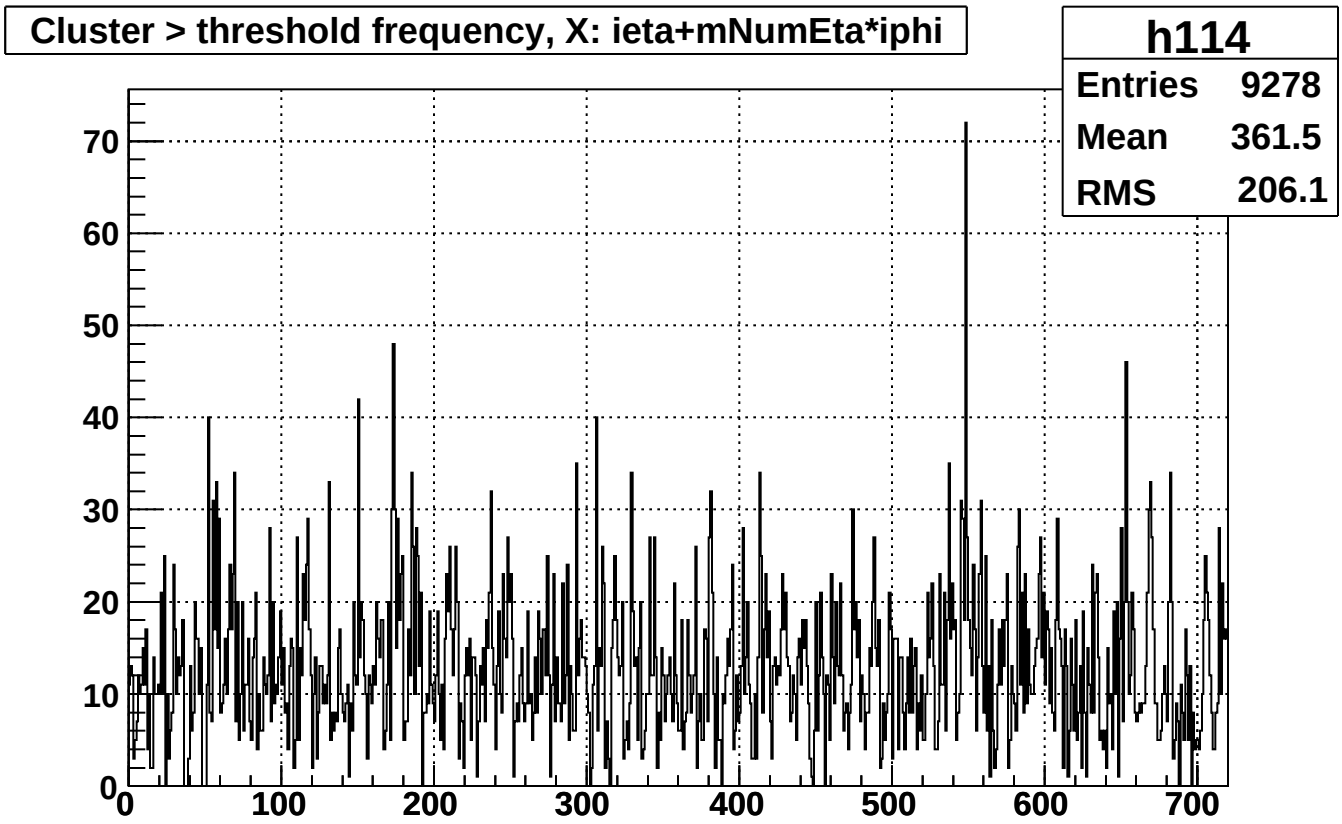

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 45369
Mean 1.804
RMS 1.111
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

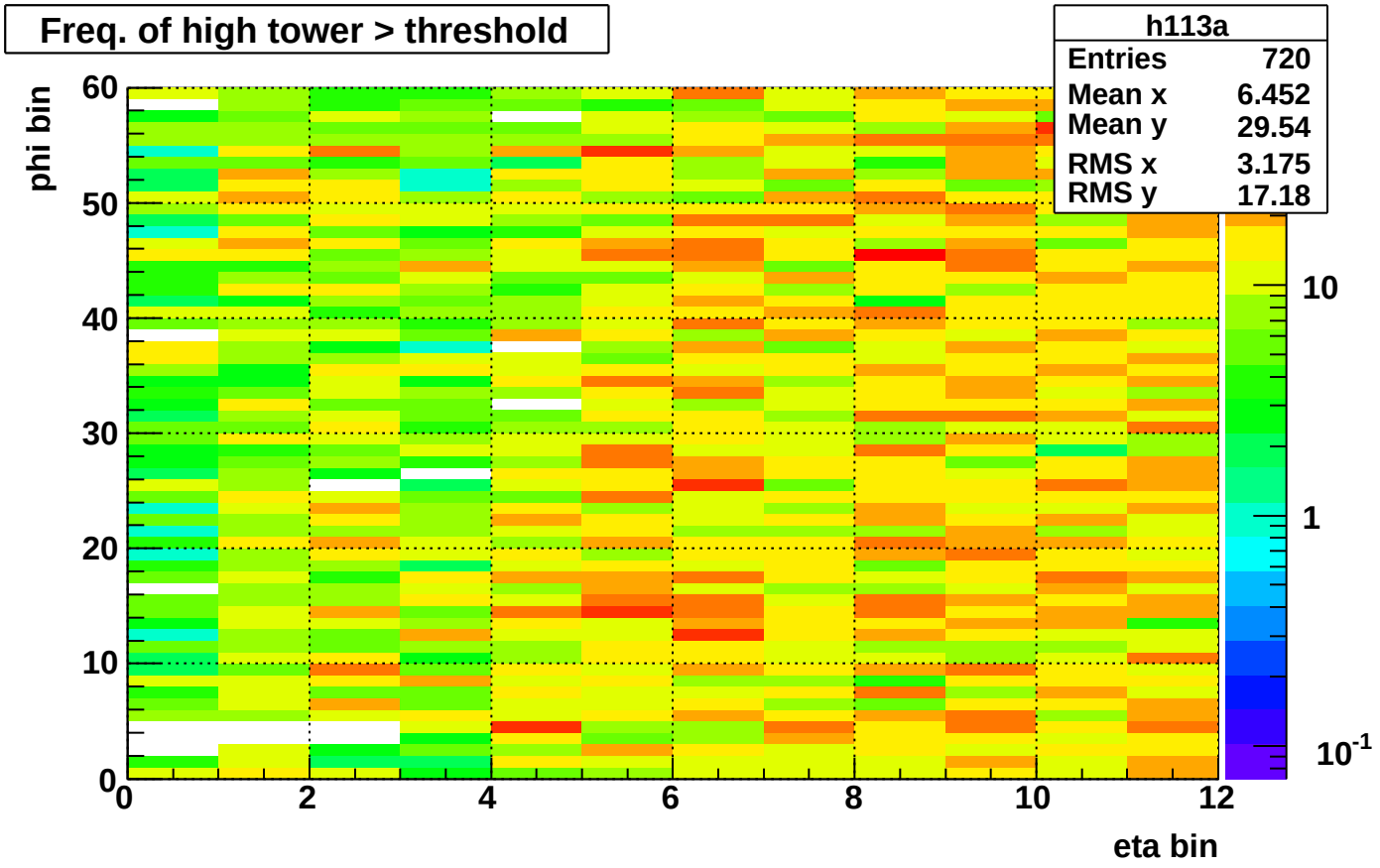

N high towers > threshold
h101
Entries 13939
Mean 1.439
RMS 0.2707
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

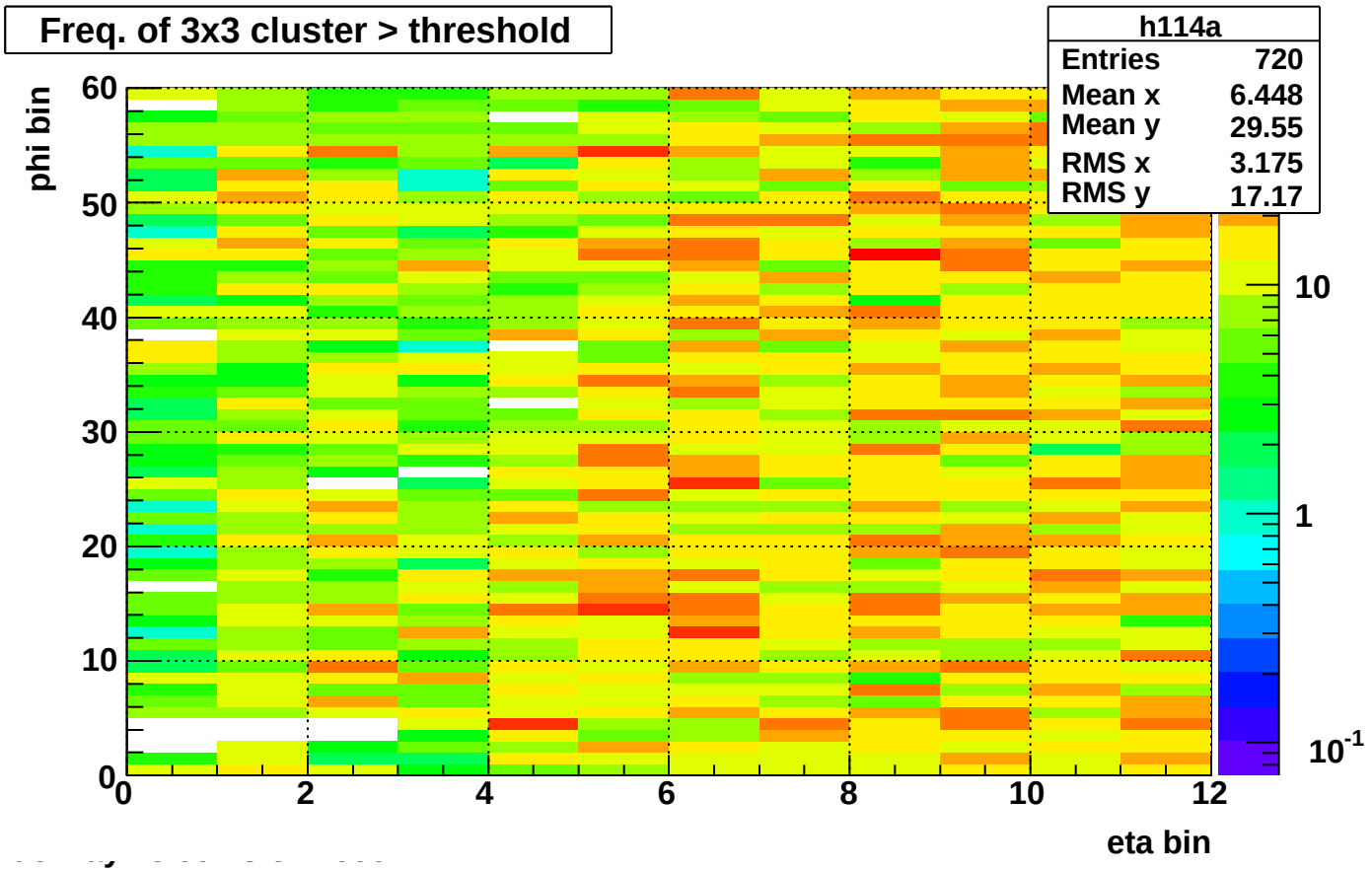

N clusters > threshold (w/ ht > threshold)
h102
Entries 13939
Mean 1.166
RMS 0.487
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0 1 2 3 4 5 6 7 8 9 10

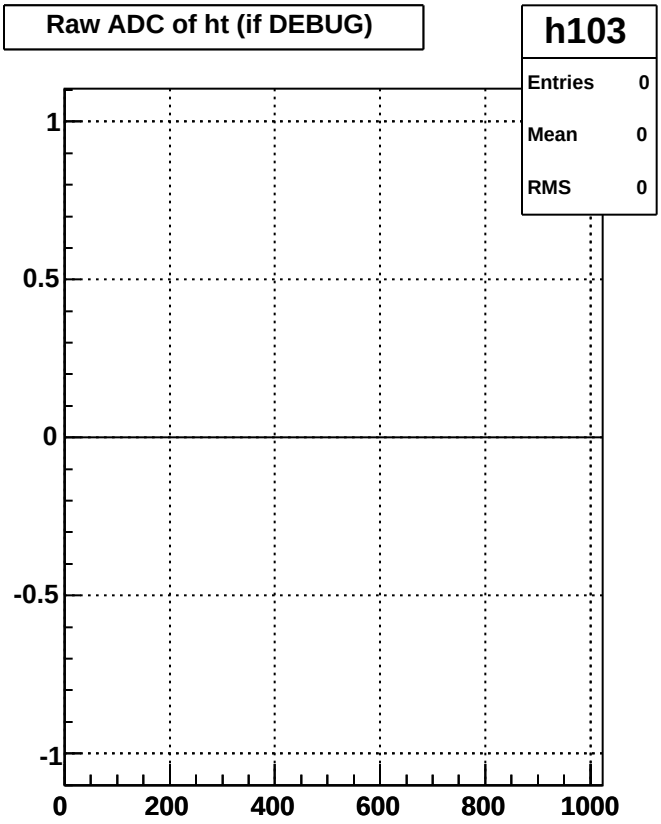

kTicks / input event
h115
Entries 13939
Mean 15.59
RMS 2.647
0
500
1000
1500
2000
2500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

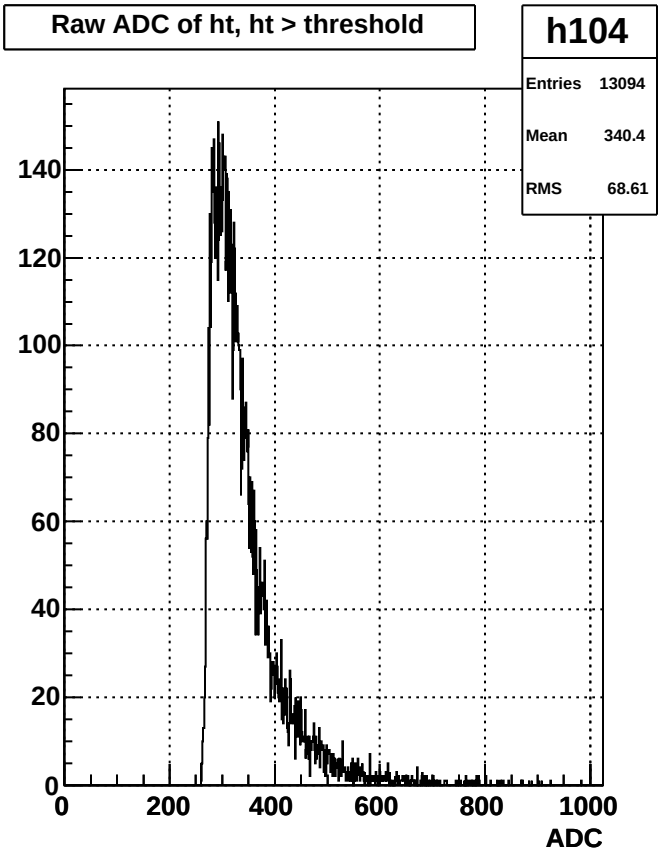

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 9367
Mean 361.4
RMS 206.2
0
10
20
30
40
50
60
70
0
100
200
300
400
500
600
700

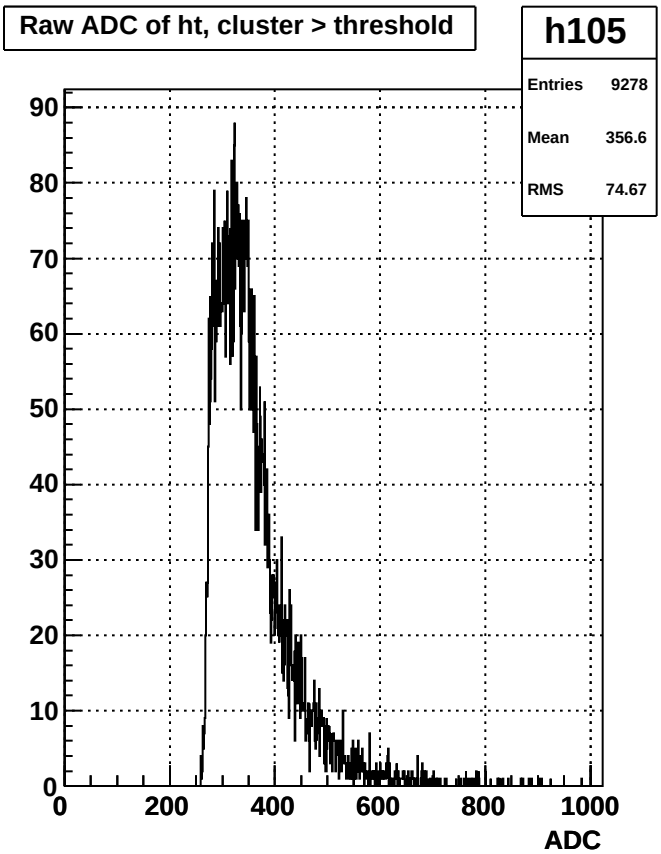

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 9278
Mean 361.5
RMS 206.1
0
10
20
30
40
50
60
70
0
100
200
300
400
500
600
700

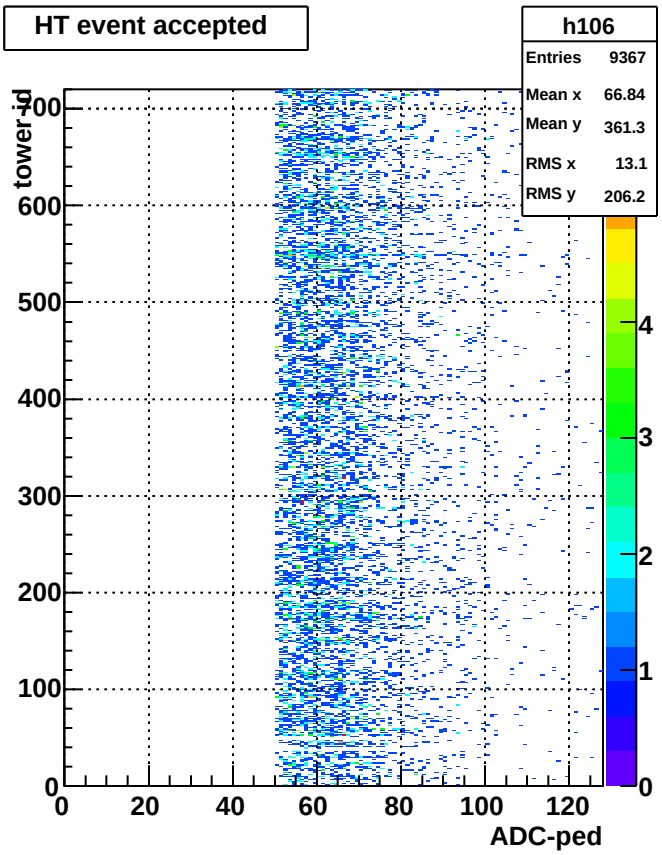

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.452
Mean y 29.54
RMS x 3.175
RMS y 17.18
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

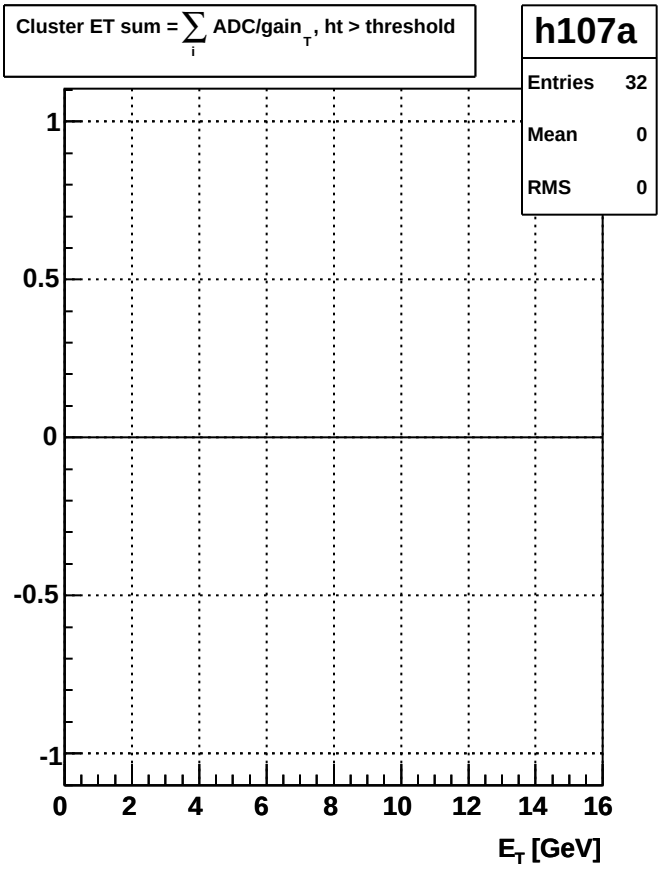

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.448
Mean y 29.55
RMS x 3.175
RMS y 17.17
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

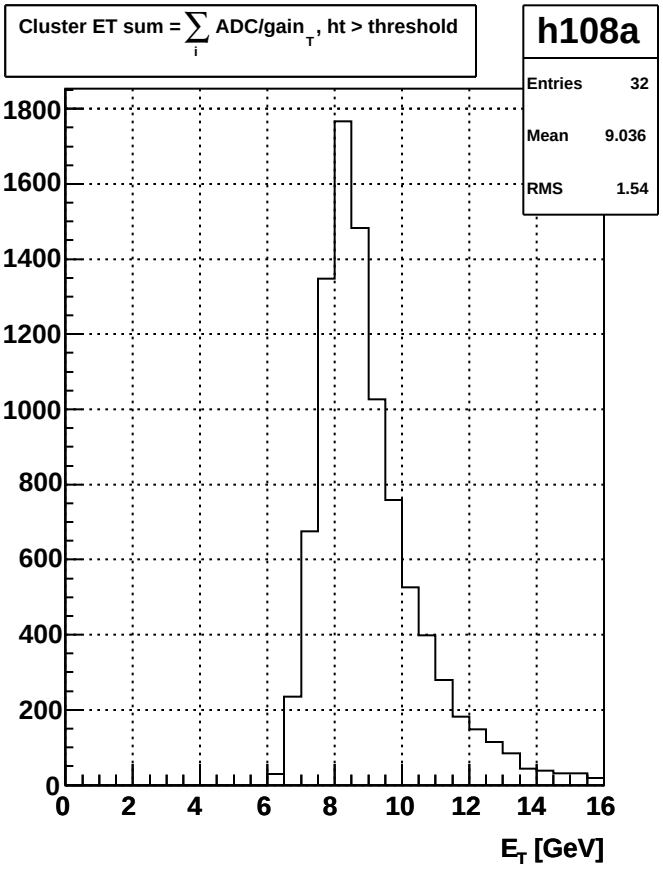

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

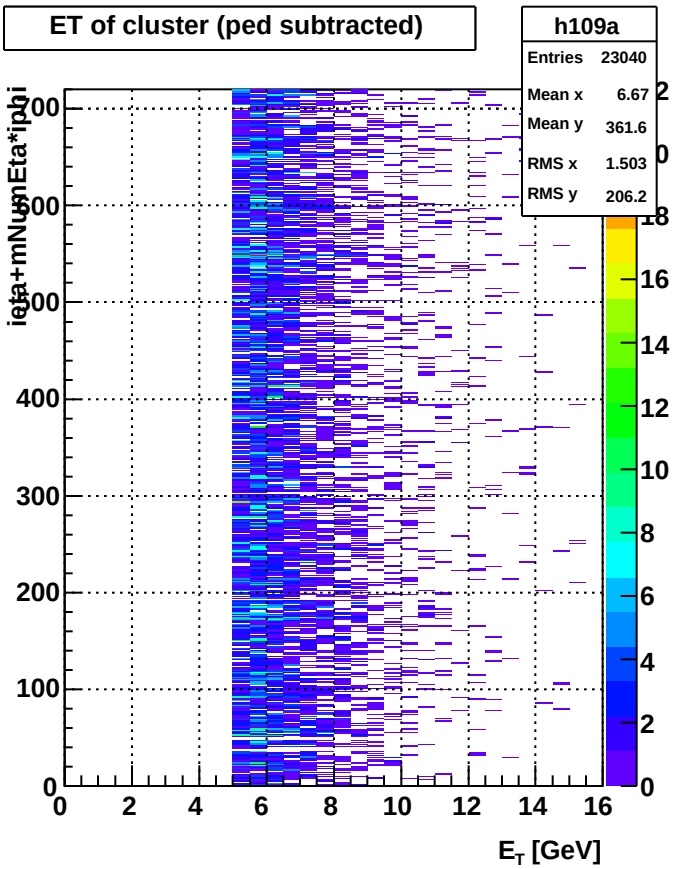

Raw ADC of ht, ht > threshold
h104
Entries 13094
Mean 340.4
RMS 68.61
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

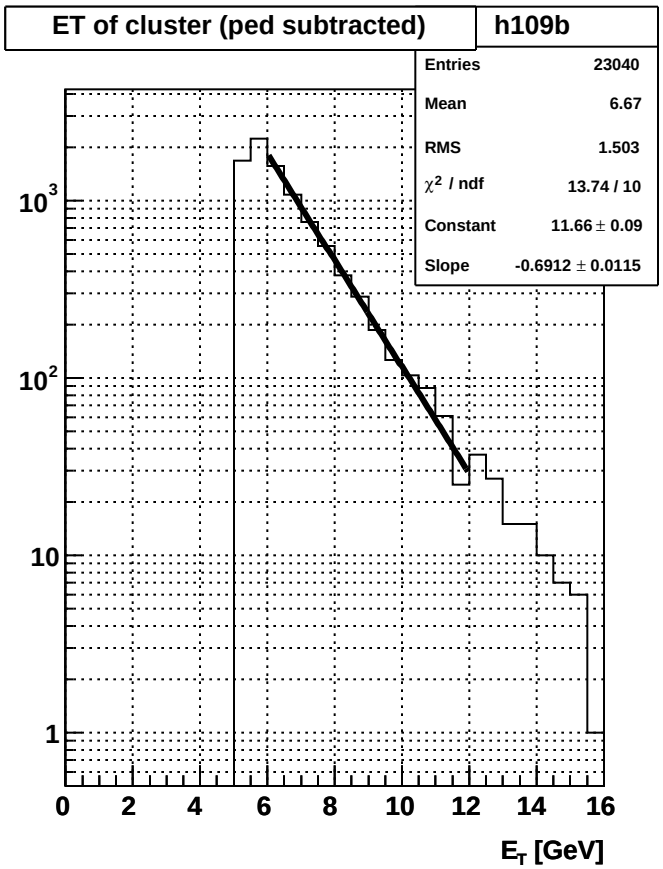

Raw ADC of ht, cluster > threshold
h105
Entries 9278
Mean 356.6
RMS 74.67
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 9367
Mean x 66.84
Mean y 361.3
RMS x 13.1
RMS y 206.2
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 9.036
RMS 1.54
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.67
Mean y 361.6
RMS x 1.503
RMS y 206.2
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.67
RMS 1.503
χ^2 / ndf 13.74 / 10
Constant 11.66 ± 0.09
Slope -0.6912 ± 0.0115
E_T [GeV]