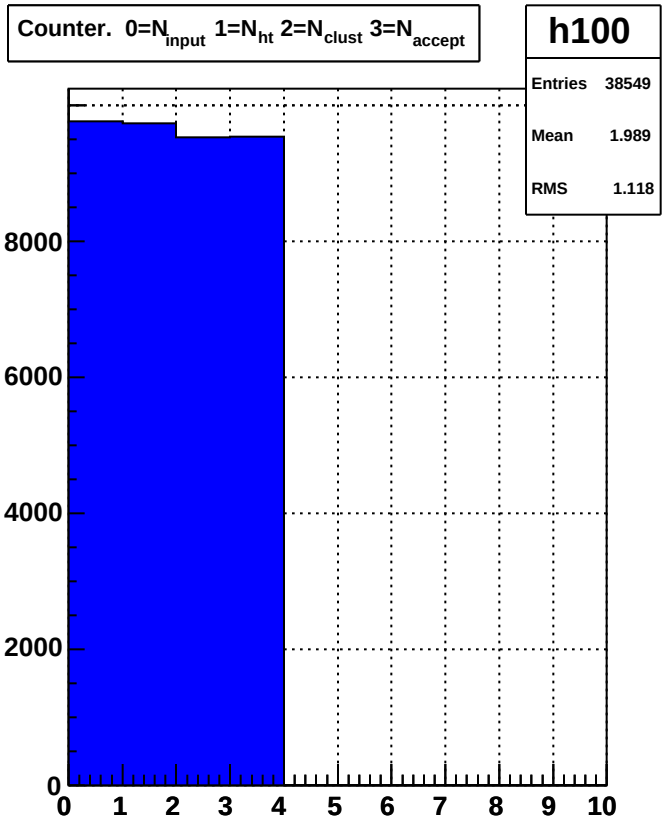
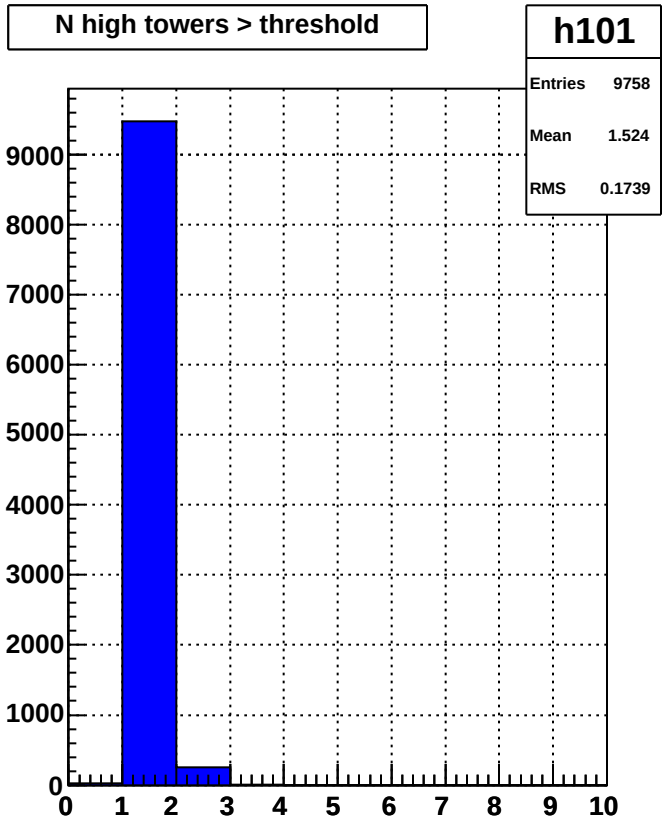
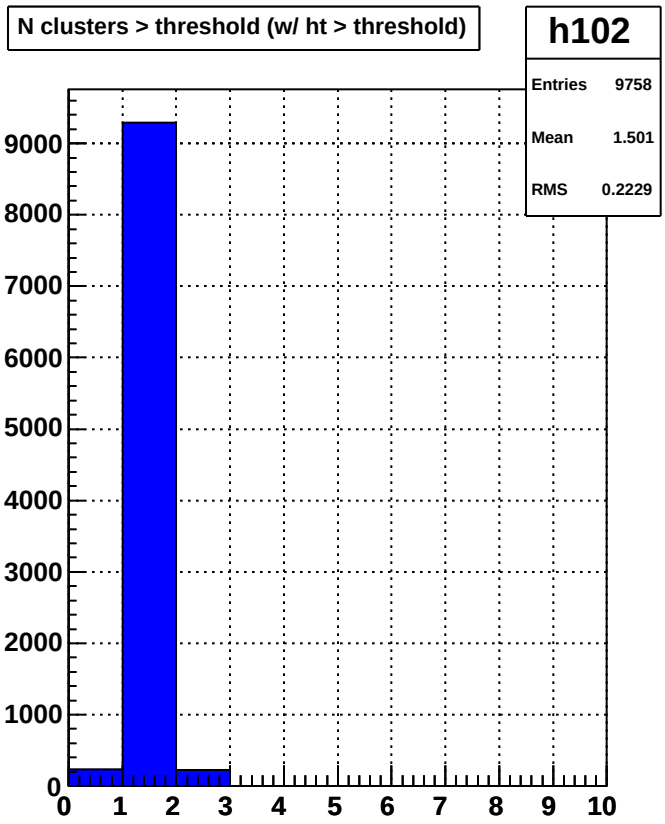
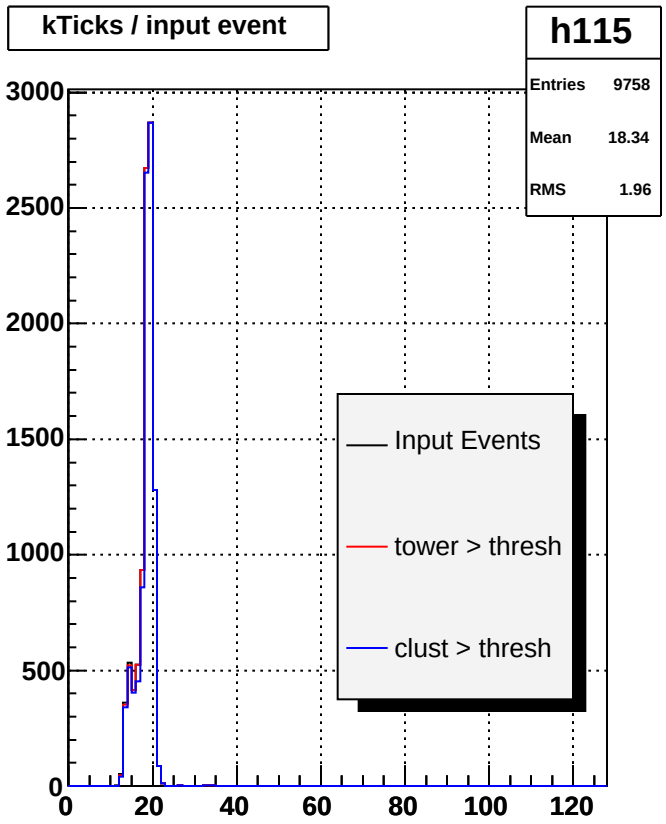
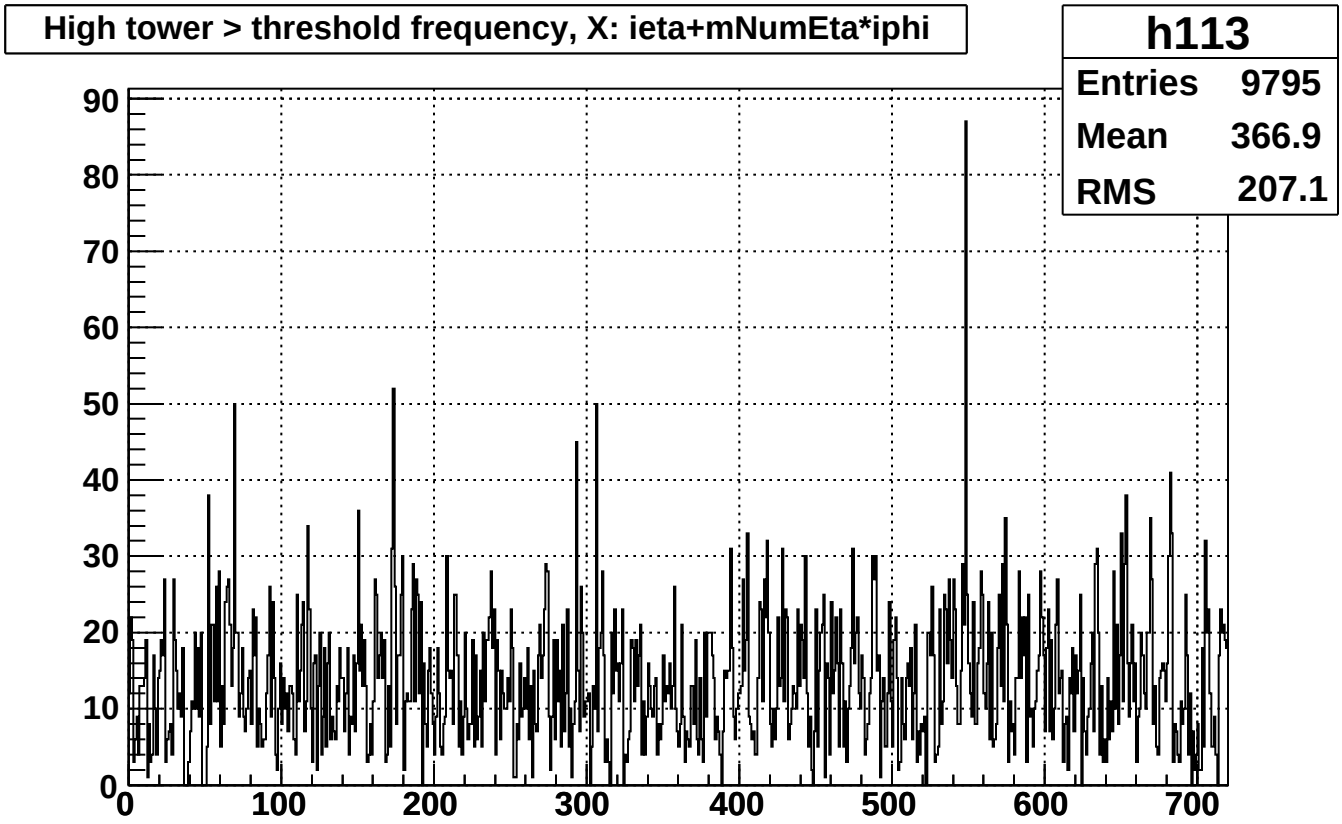
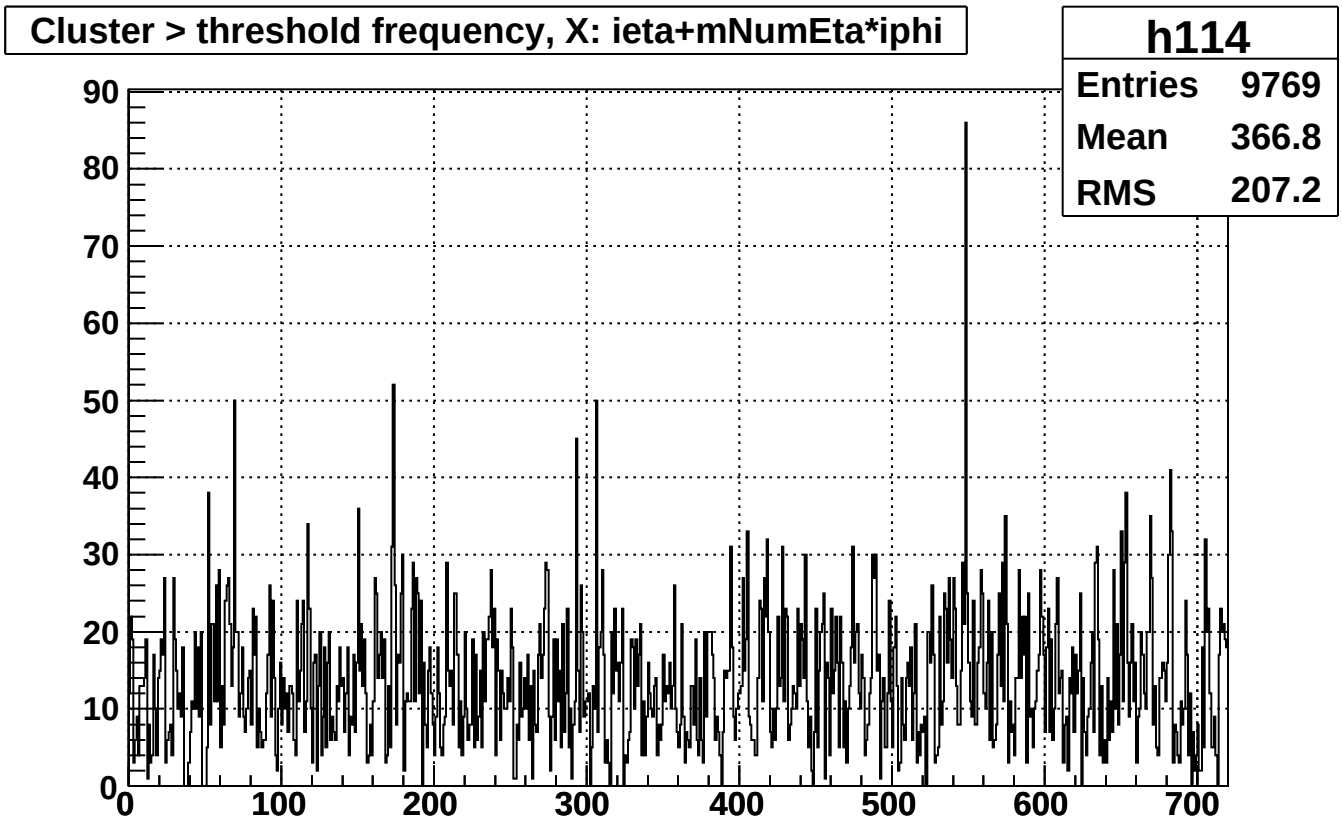

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 38549
Mean 1.989
RMS 1.118

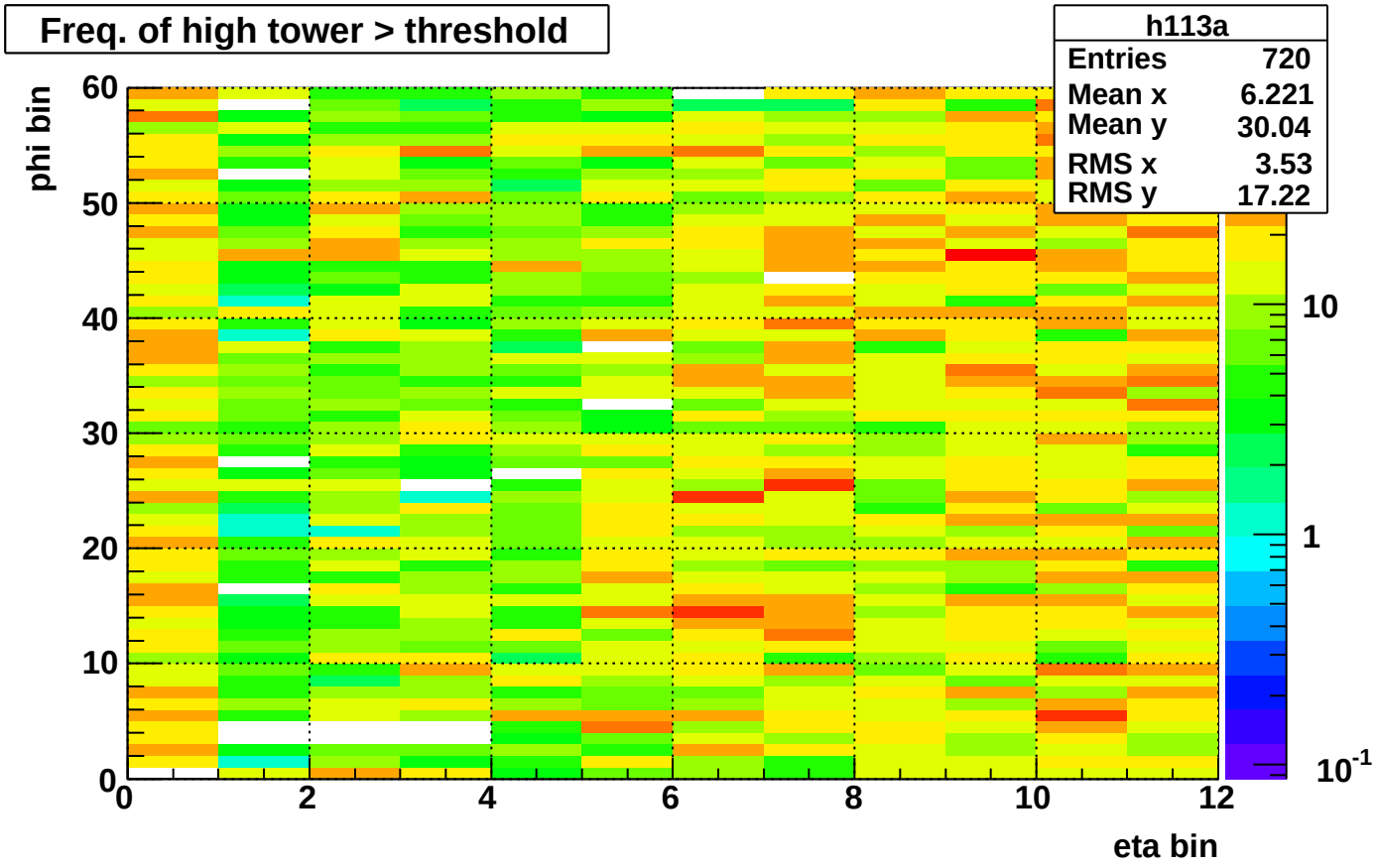

N high towers > threshold
h101
Entries 9758
Mean 1.524
RMS 0.1739

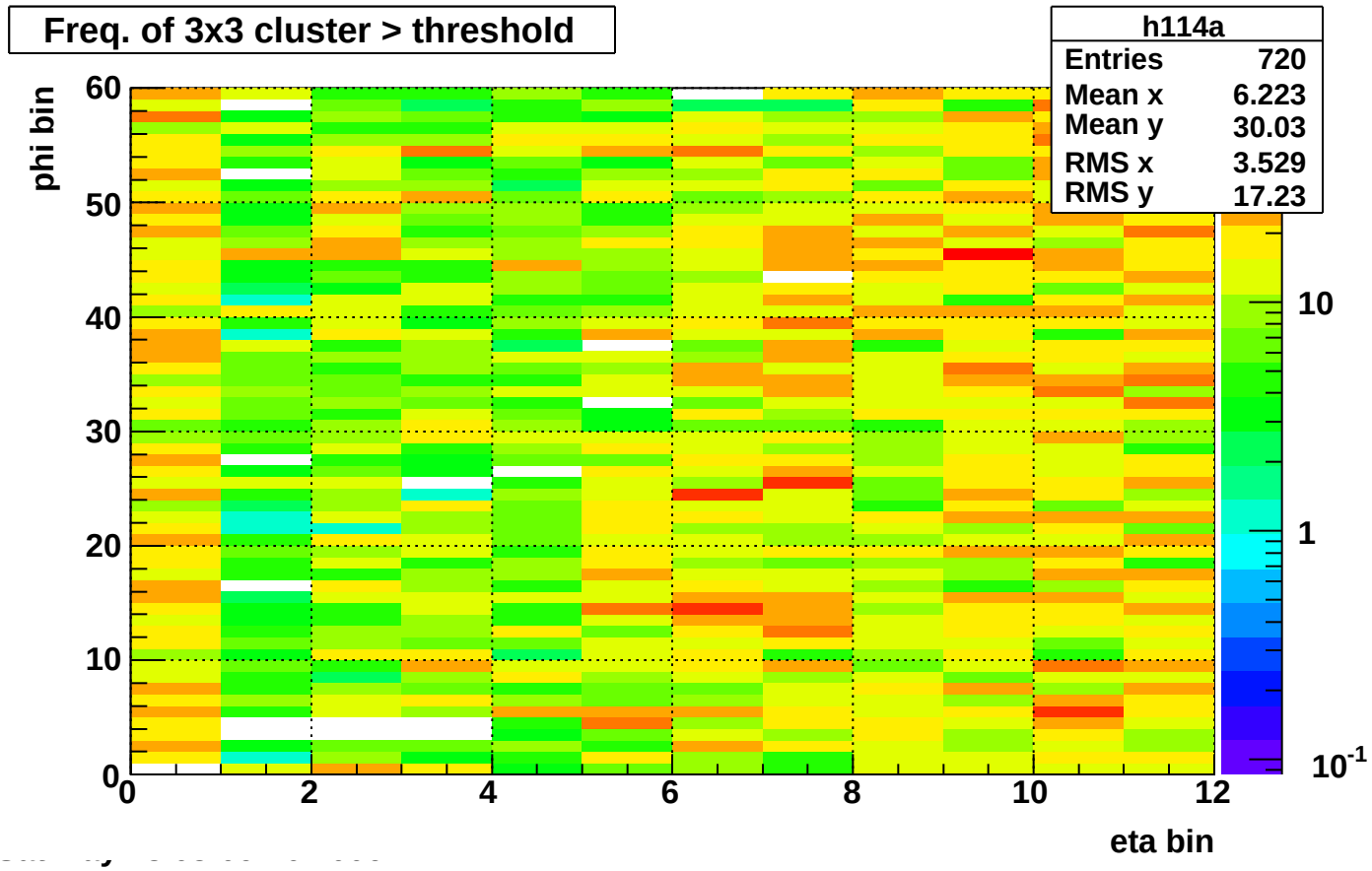

N clusters > threshold (w/ ht > threshold)
h102
Entries 9758
Mean 1.501
RMS 0.2229

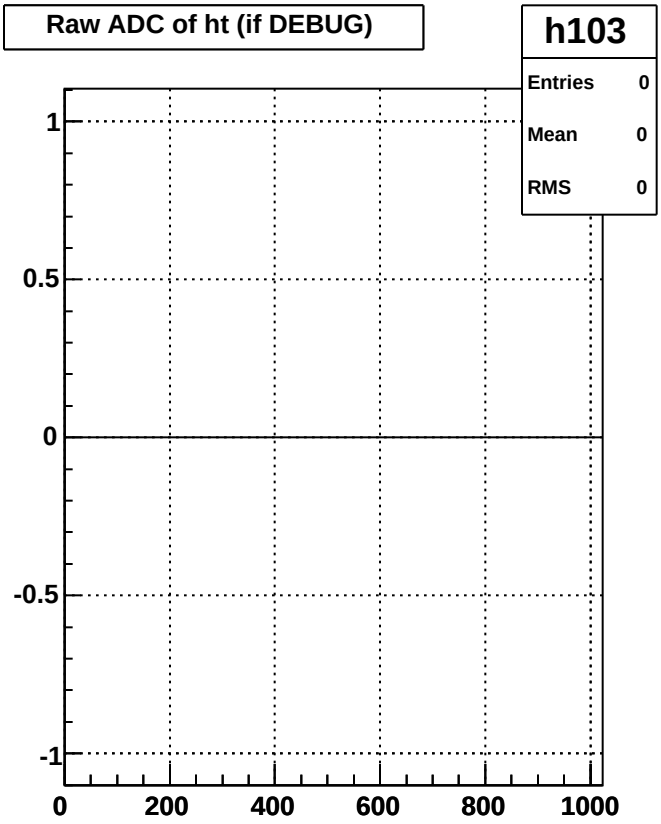

kTicks / input event
h115
Entries 9758
Mean 18.34
RMS 1.96
Input Events
tower > thresh
clust > thresh

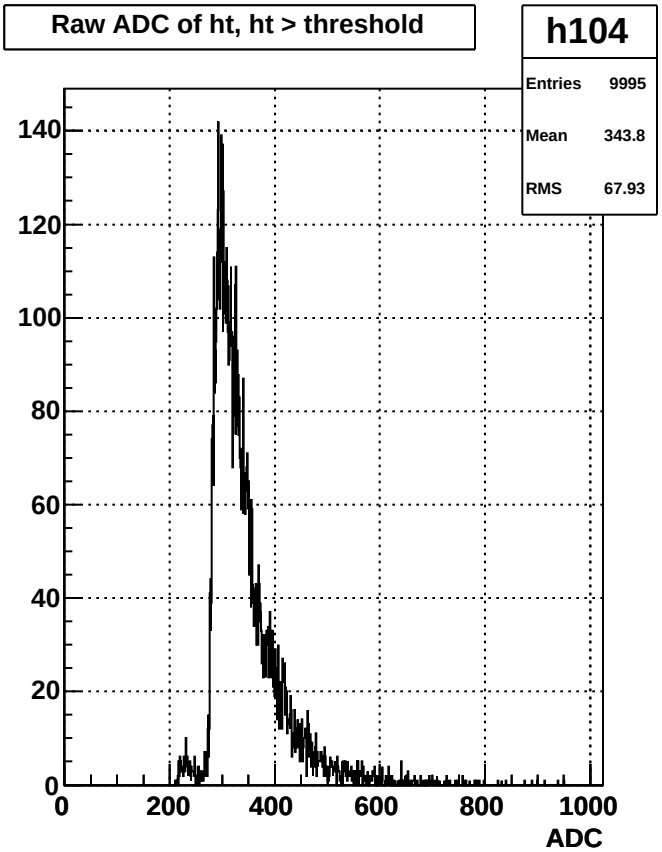

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 9795
Mean 366.9
RMS 207.1
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

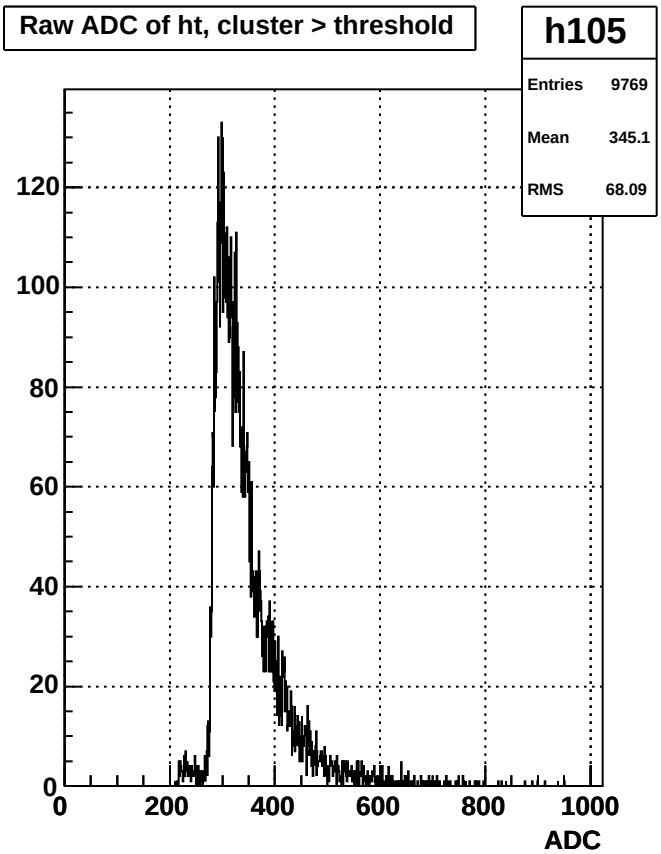

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 9769
Mean 366.8
RMS 207.2
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

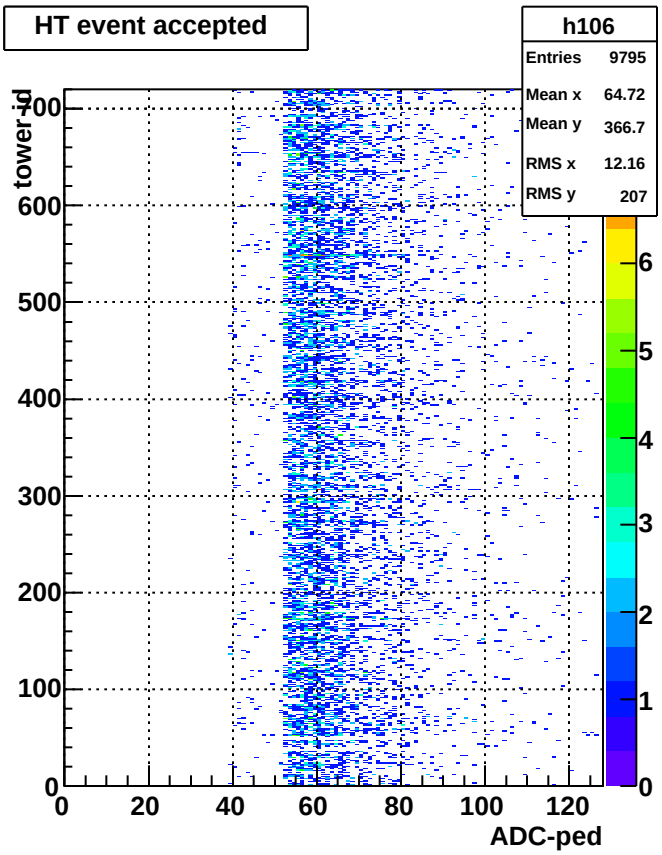

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.221
Mean y 30.04
RMS x 3.53
RMS y 17.22
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

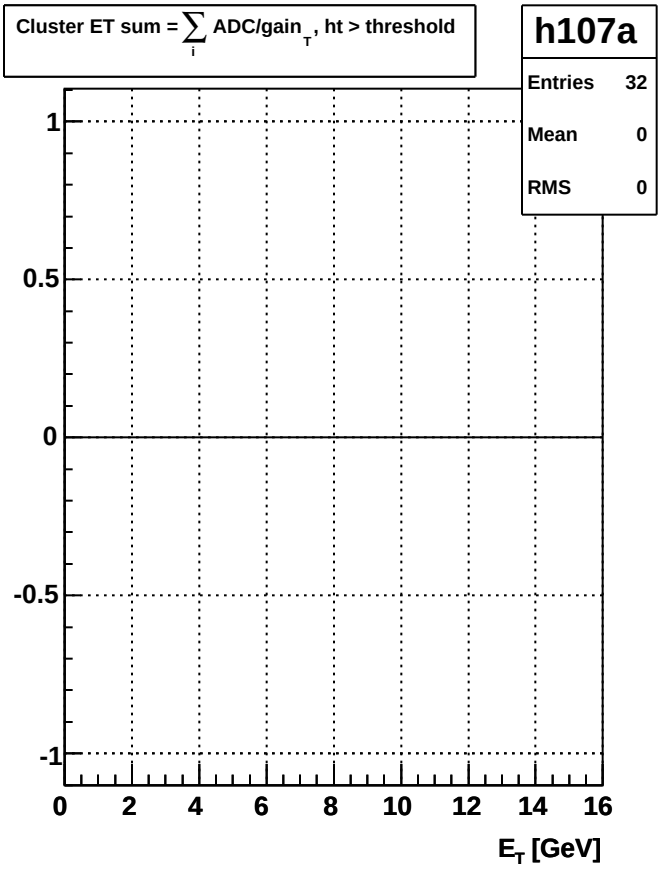

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.223
Mean y 30.03
RMS x 3.529
RMS y 17.23
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

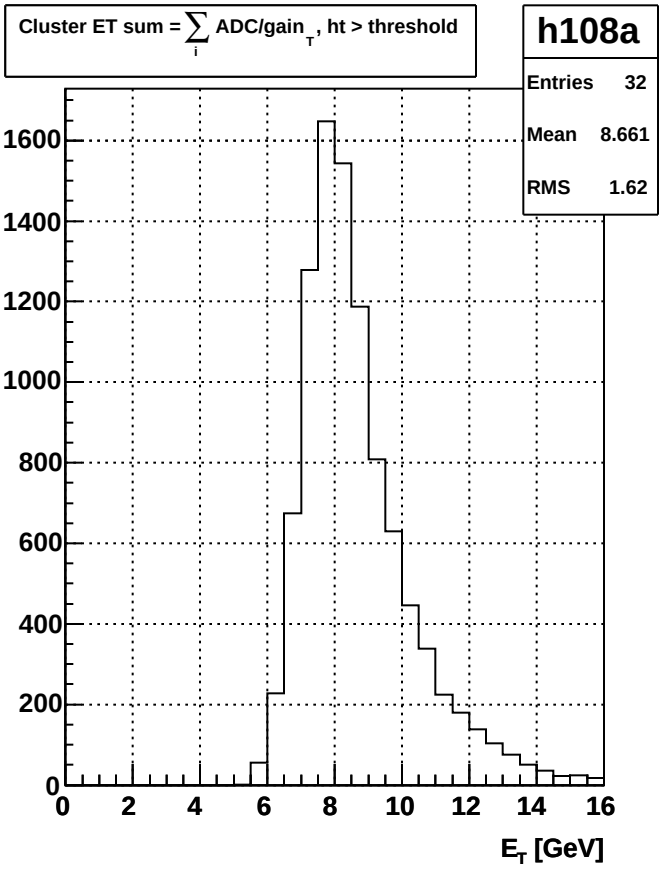

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

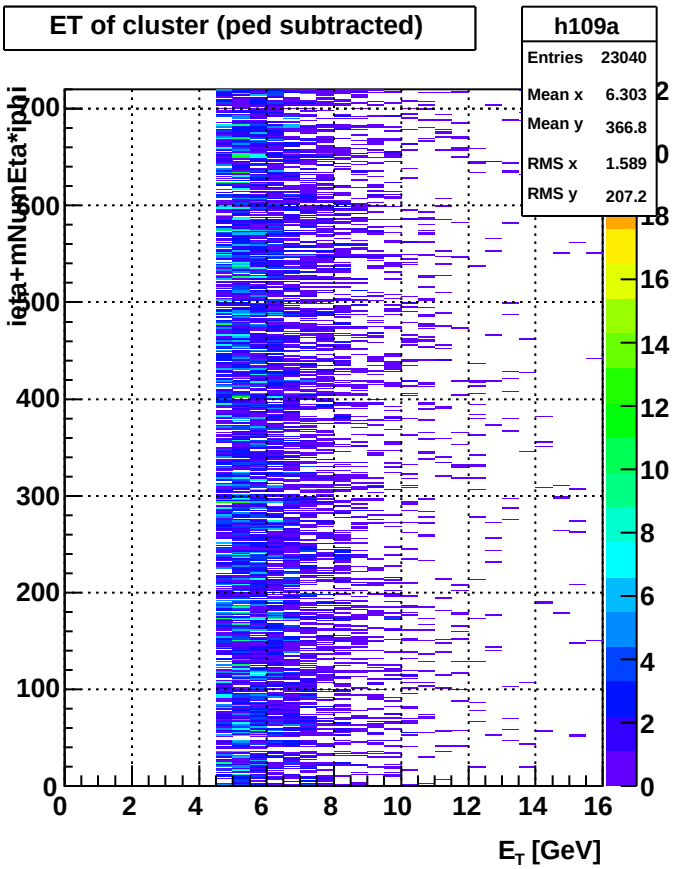

Raw ADC of ht, ht > threshold
h104
Entries 9995
Mean 343.8
RMS 67.93
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

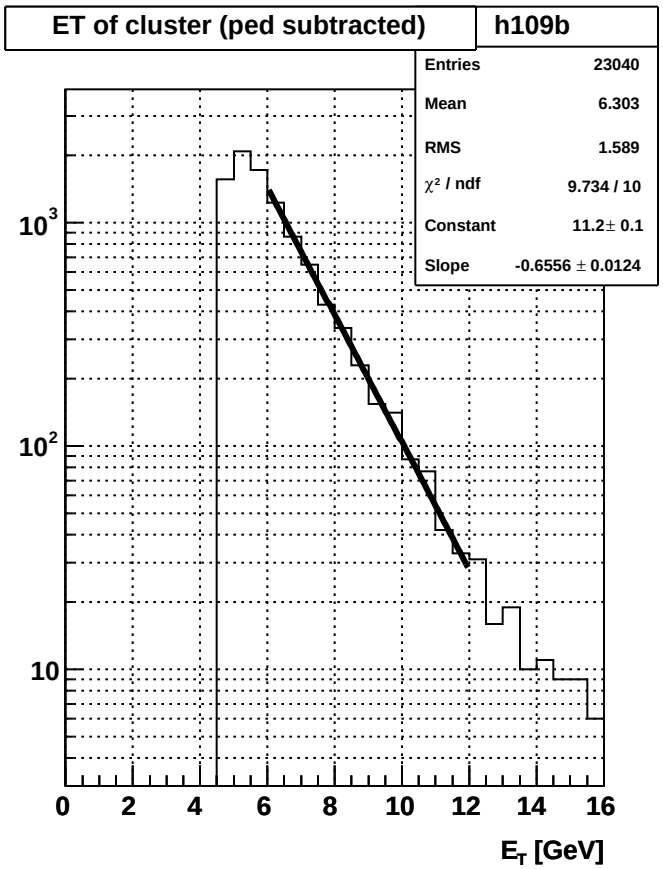

Raw ADC of ht, cluster > threshold
h105
Entries 9769
Mean 345.1
RMS 68.09
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 9795
Mean x 64.72
Mean y 366.7
RMS x 12.16
RMS y 207
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 8.661
RMS 1.62
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.303
Mean y 366.8
RMS x 1.589
RMS y 207.2
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.303
RMS 1.589
χ^2 / ndf 9.734 / 10
Constant 11.2 ± 0.1
Slope -0.6556 ± 0.0124
E_T [GeV]