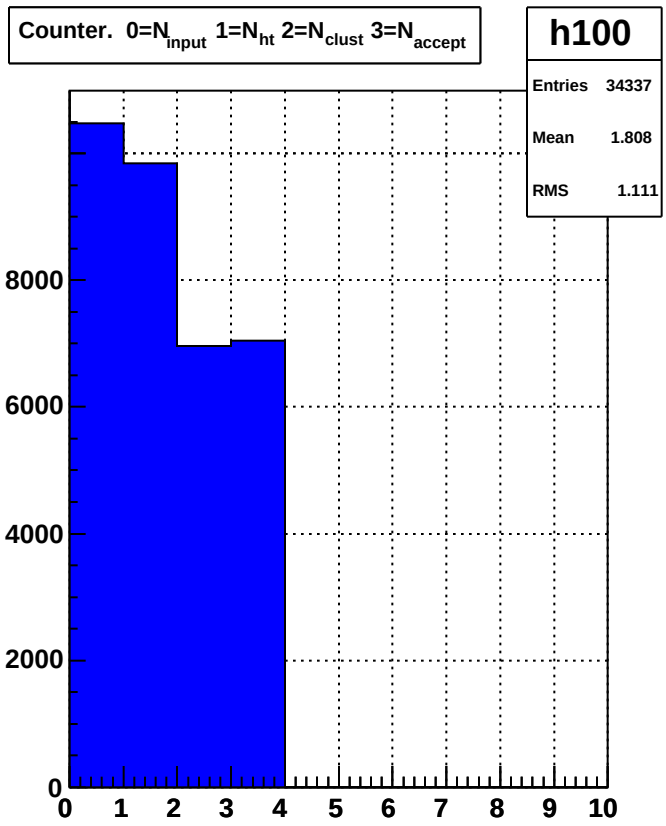
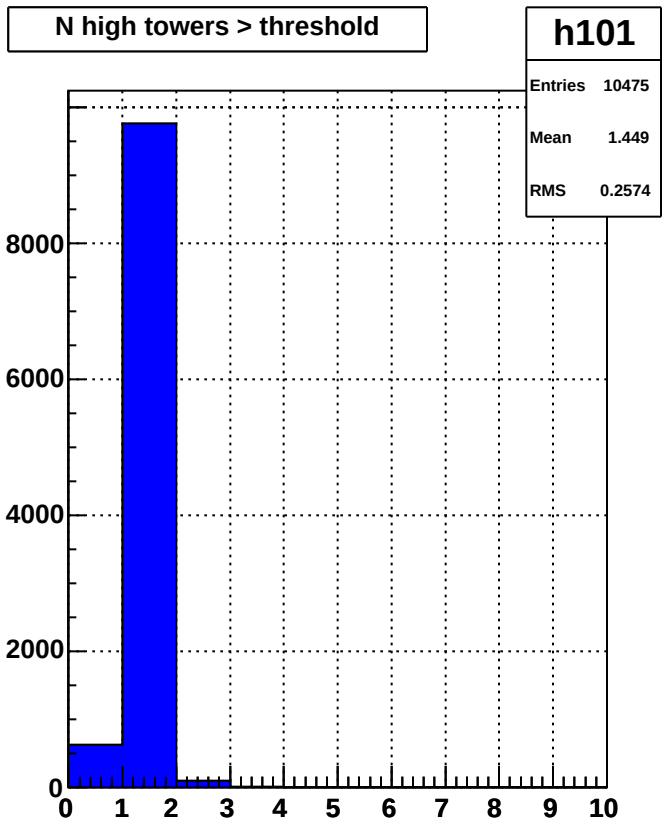
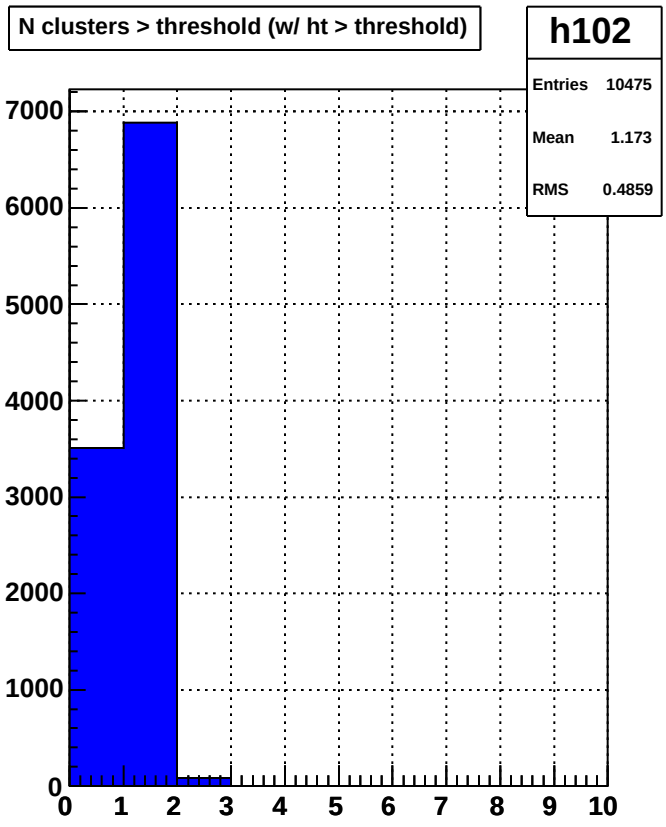
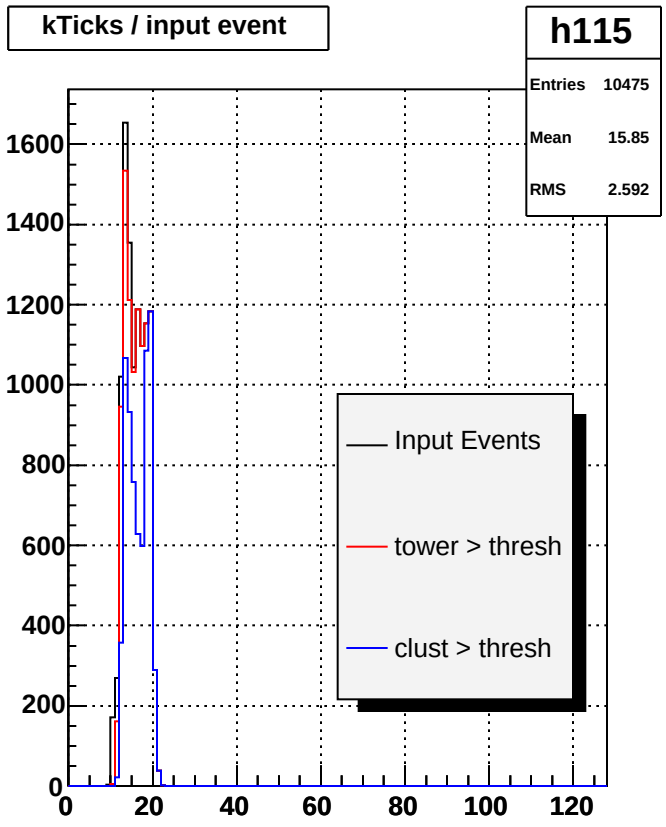
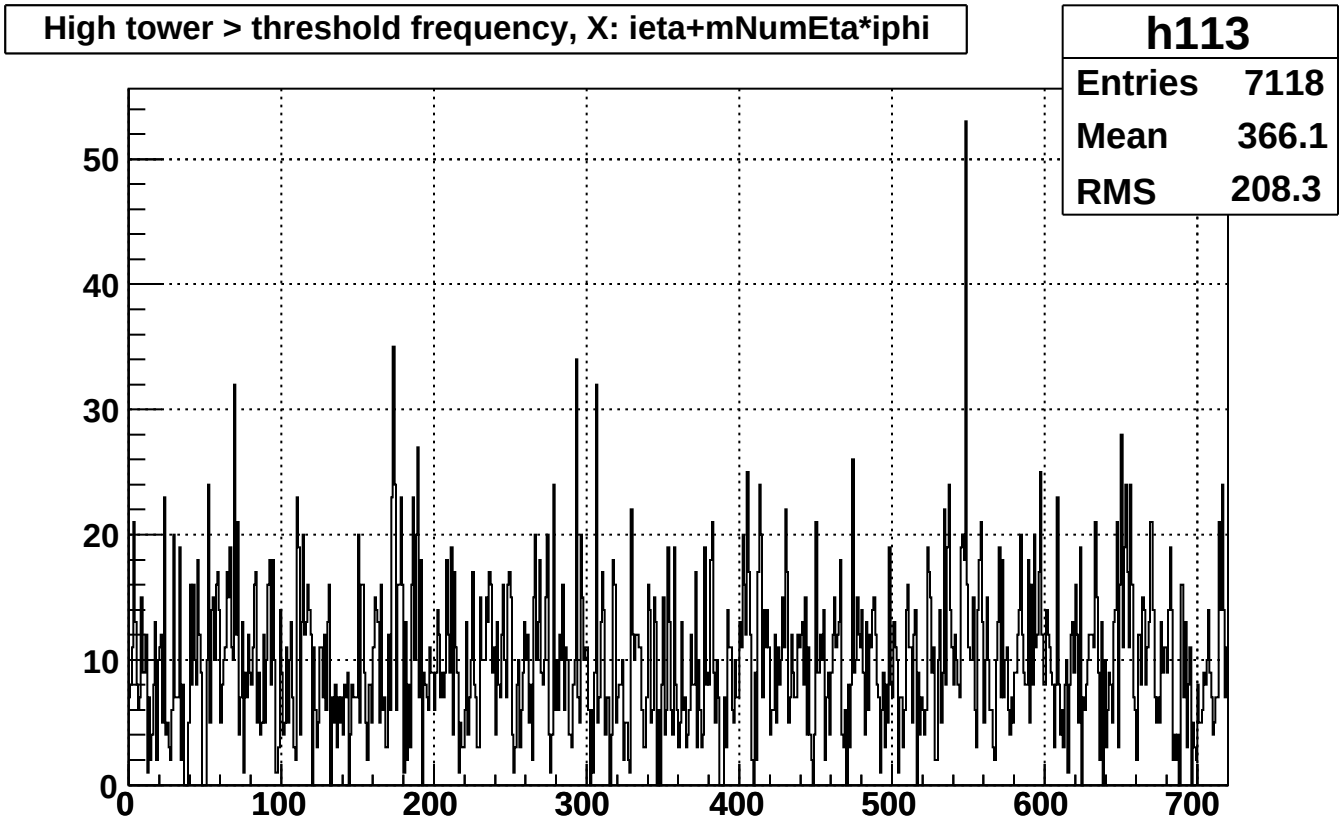
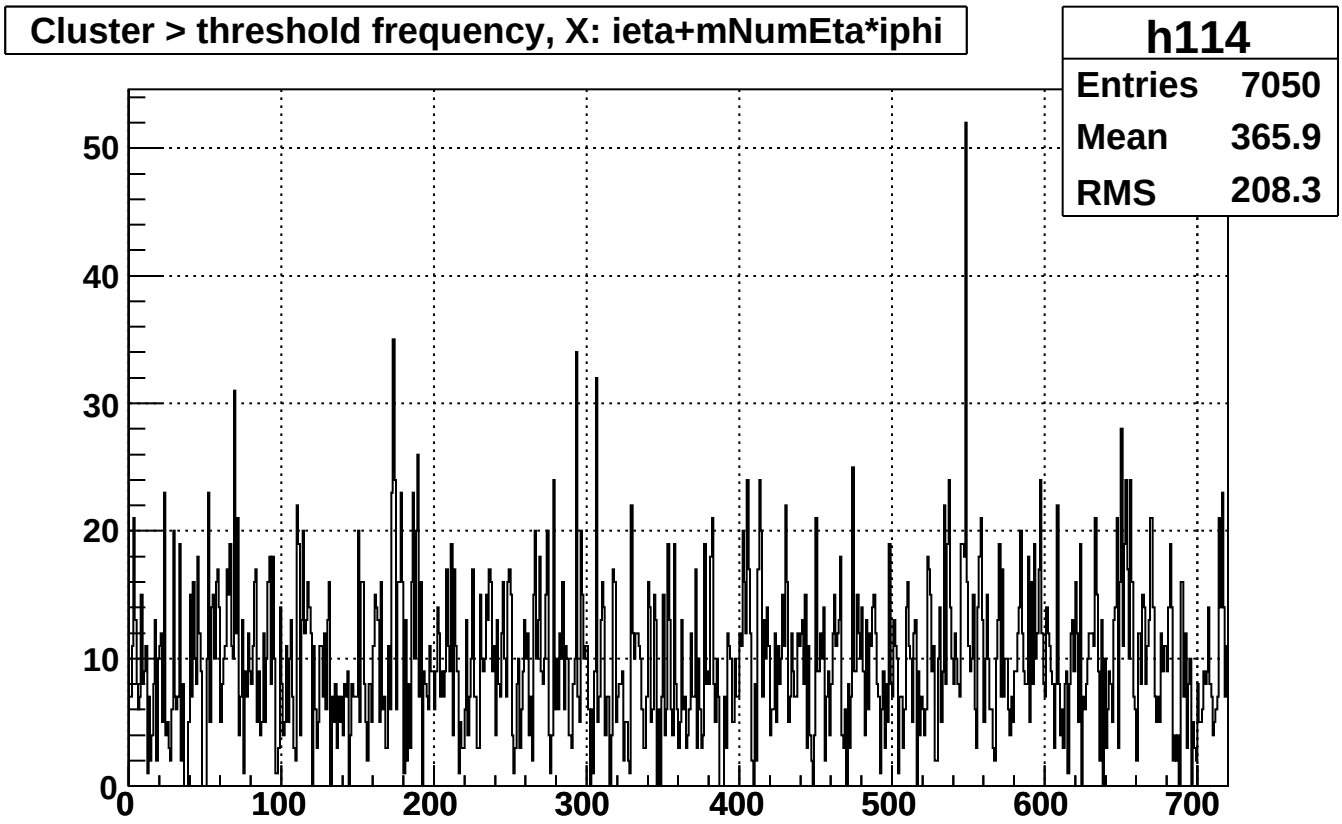

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 34337
Mean 1.808
RMS 1.111
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

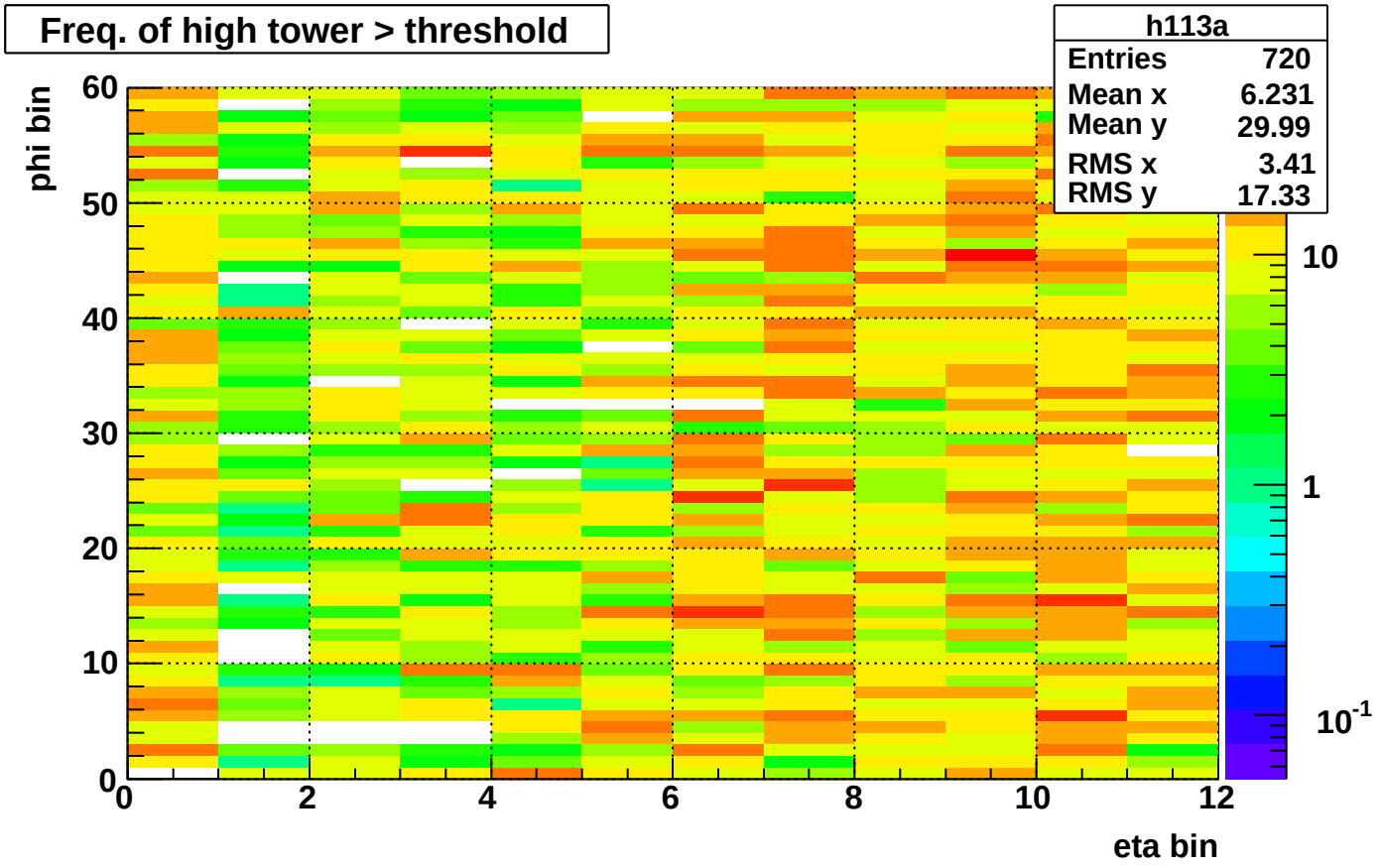

N high towers > threshold
h101
Entries 10475
Mean 1.449
RMS 0.2574
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

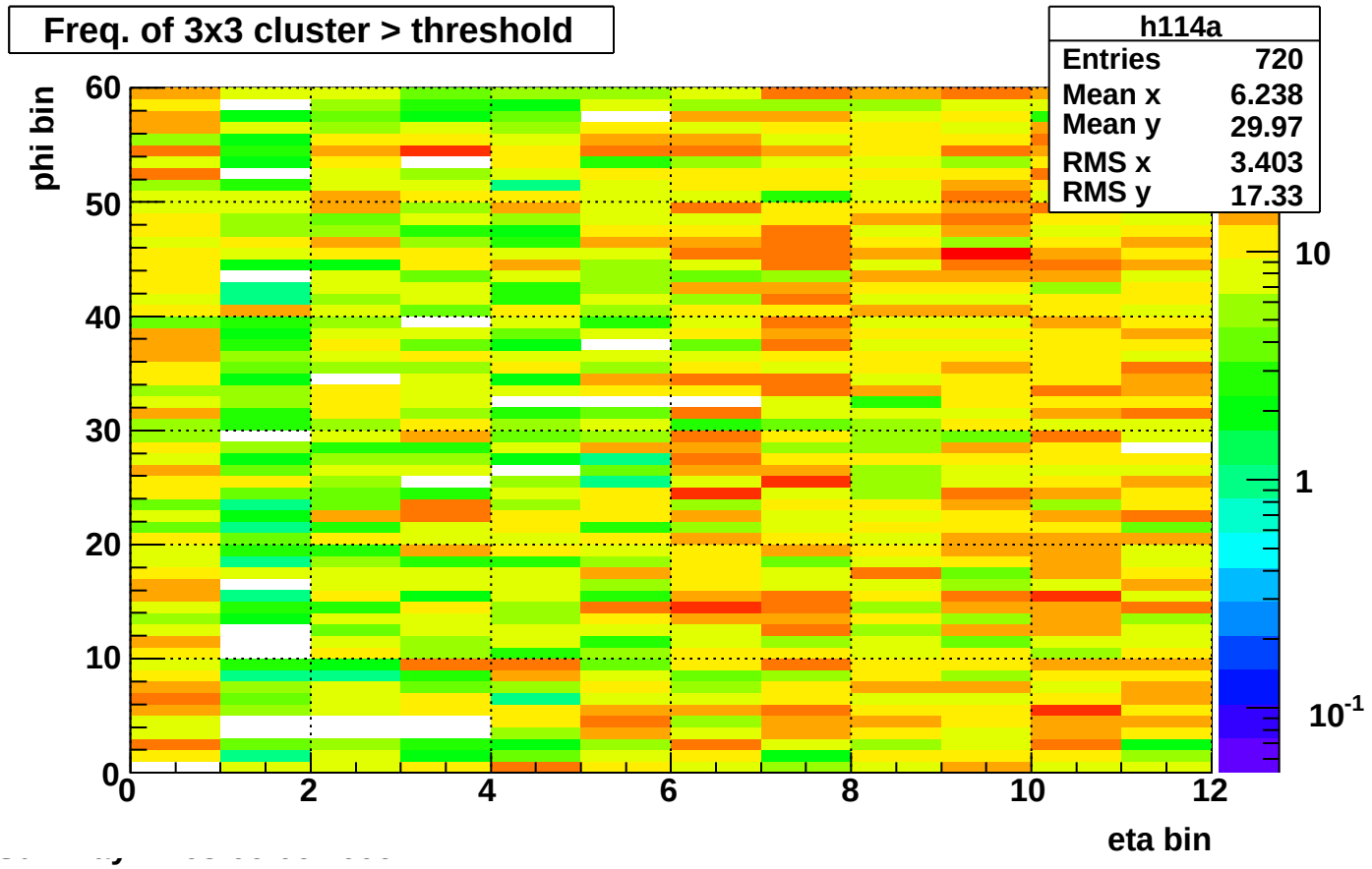

N clusters > threshold (w/ ht > threshold)
h102
Entries 10475
Mean 1.173
RMS 0.4859
0
1000
2000
3000
4000
5000
6000
7000
0 1 2 3 4 5 6 7 8 9 10

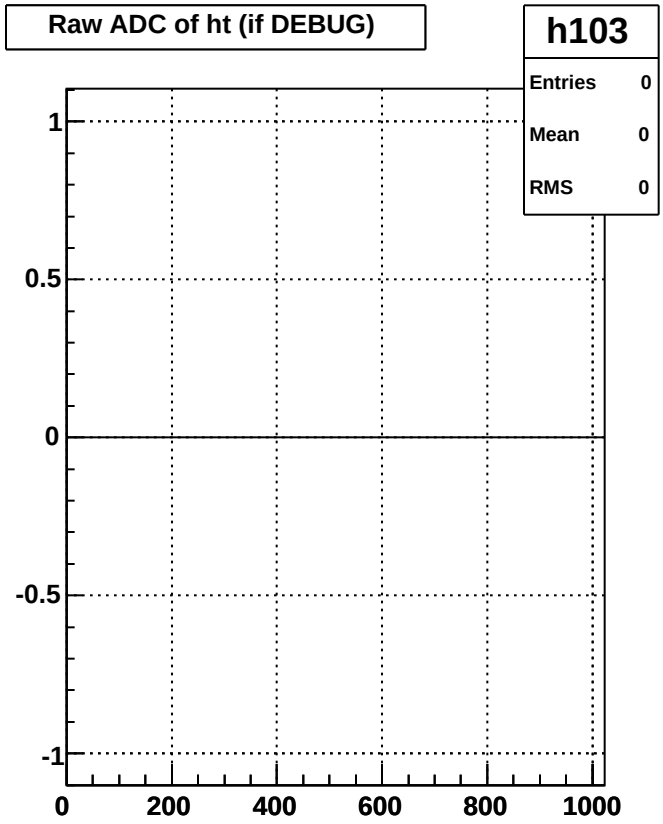

kTicks / input event
h115
Entries 10475
Mean 15.85
RMS 2.592
0
200
400
600
800
1000
1200
1400
1600
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

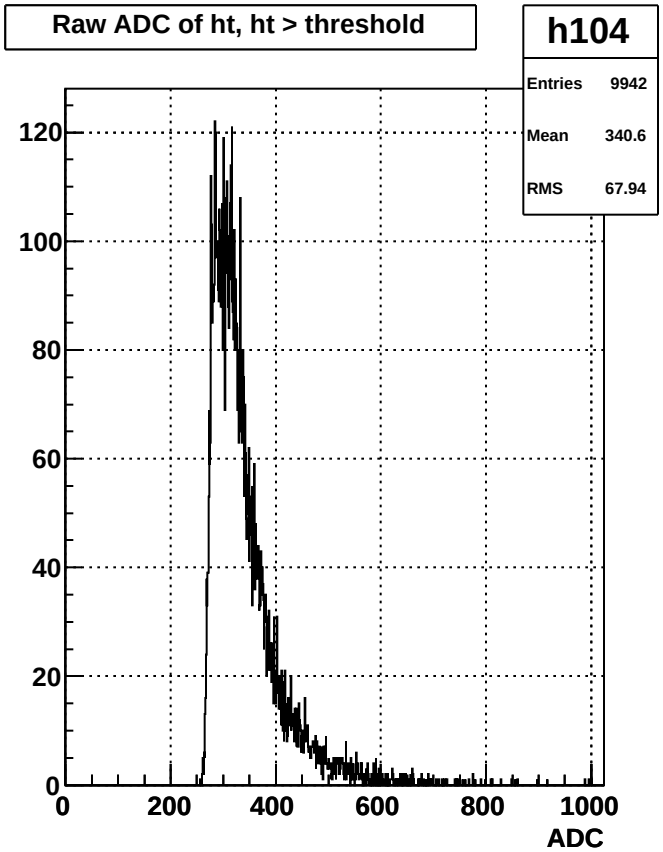

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 7118
Mean 366.1
RMS 208.3
0
10
20
30
40
50
0
100
200
300
400
500
600
700

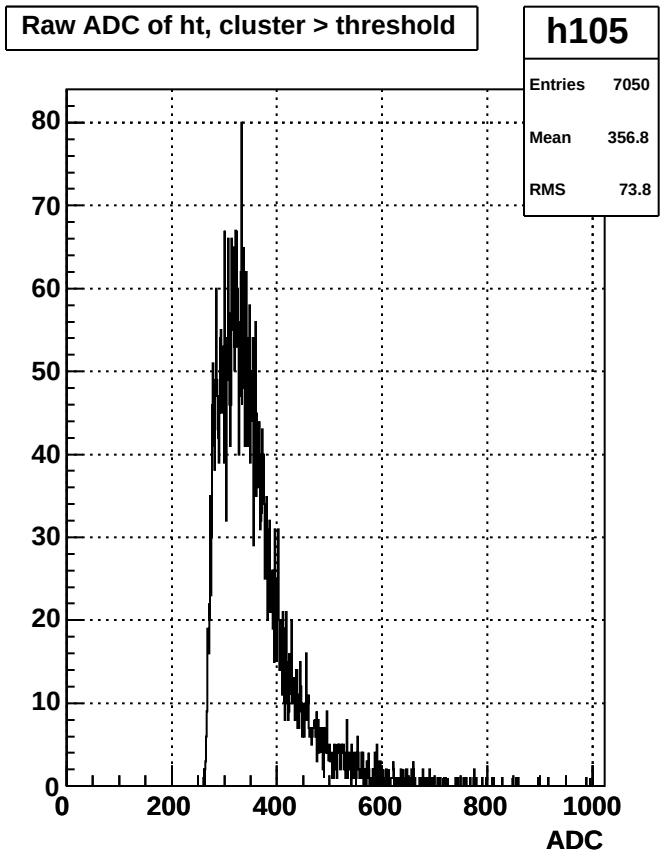

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 7050
Mean 365.9
RMS 208.3
0
10
20
30
40
50
0
100
200
300
400
500
600
700

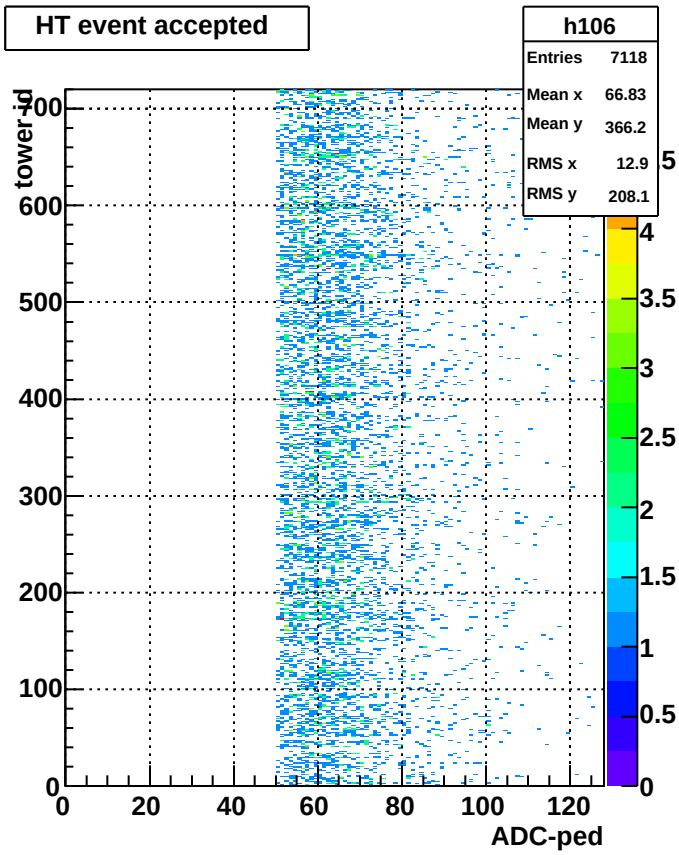

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.231
Mean y 29.99
RMS x 3.41
RMS y 17.33
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

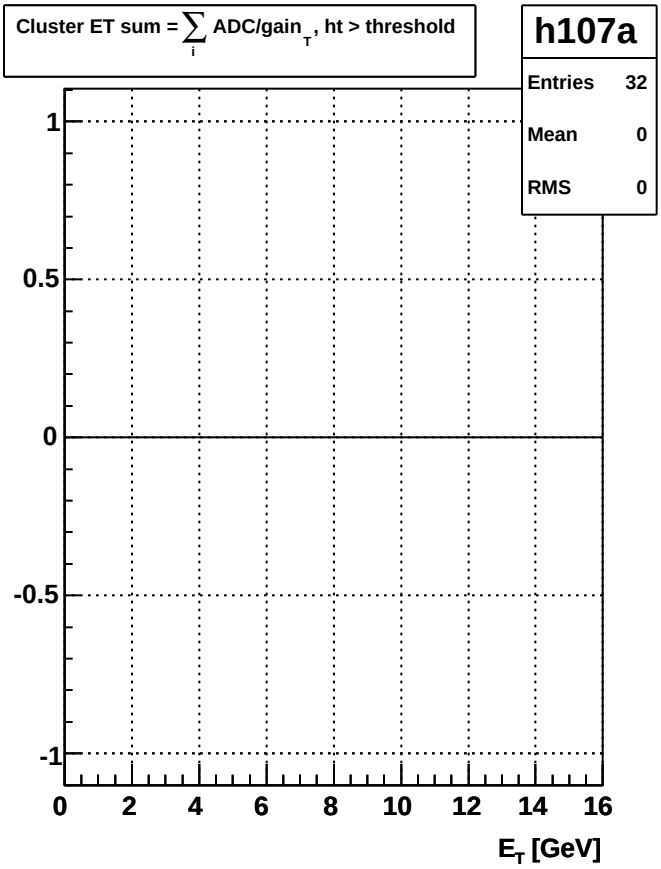

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.238
Mean y 29.97
RMS x 3.403
RMS y 17.33
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

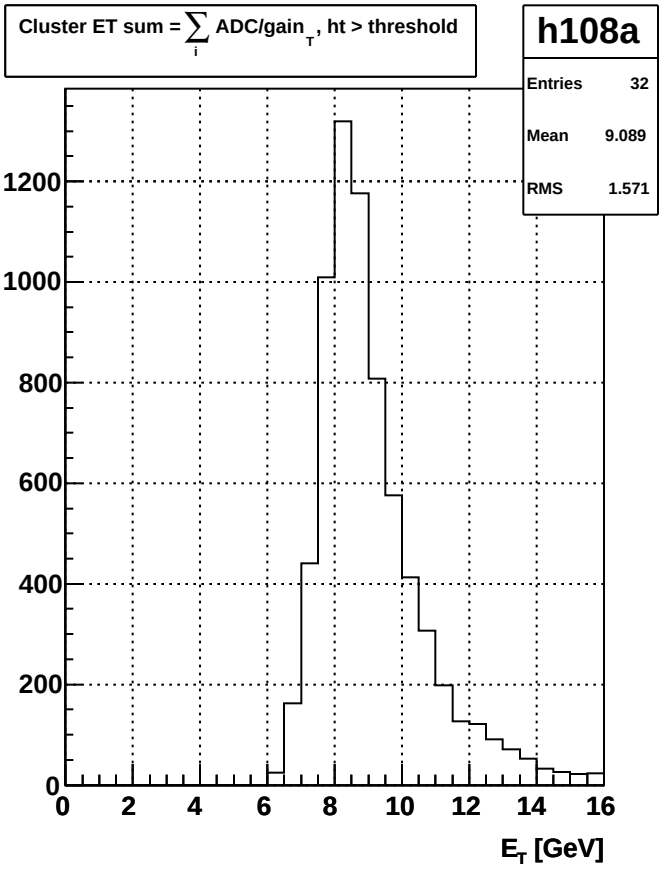

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

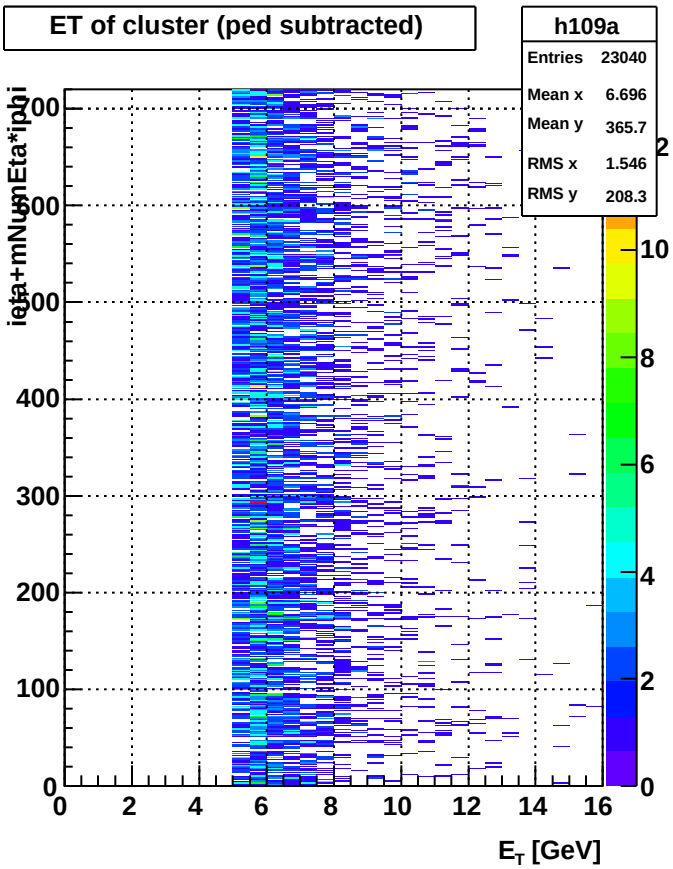

Raw ADC of ht, ht > threshold
h104
Entries 9942
Mean 340.6
RMS 67.94
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

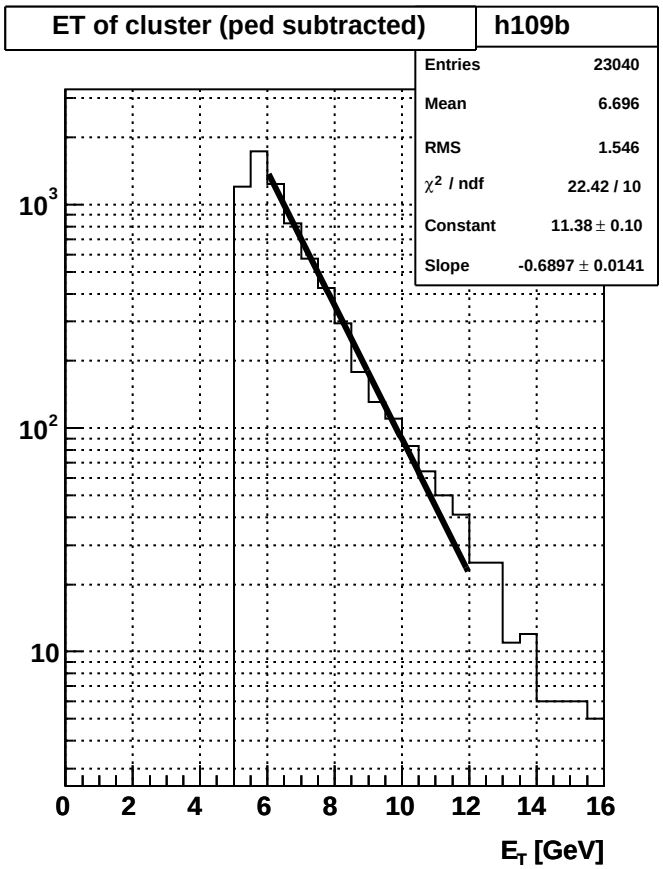

Raw ADC of ht, cluster > threshold
h105
Entries 7050
Mean 356.8
RMS 73.8
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 7118
Mean x 66.83
Mean y 366.2
RMS x 12.9
RMS y 208.1
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 9.089
RMS 1.571
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.696
Mean y 365.7
RMS x 1.546
RMS y 208.3
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.696
RMS 1.546
χ^2 / ndf 22.42 / 10
Constant 11.38 ± 0.10
Slope -0.6897 ± 0.0141
E_T [GeV]