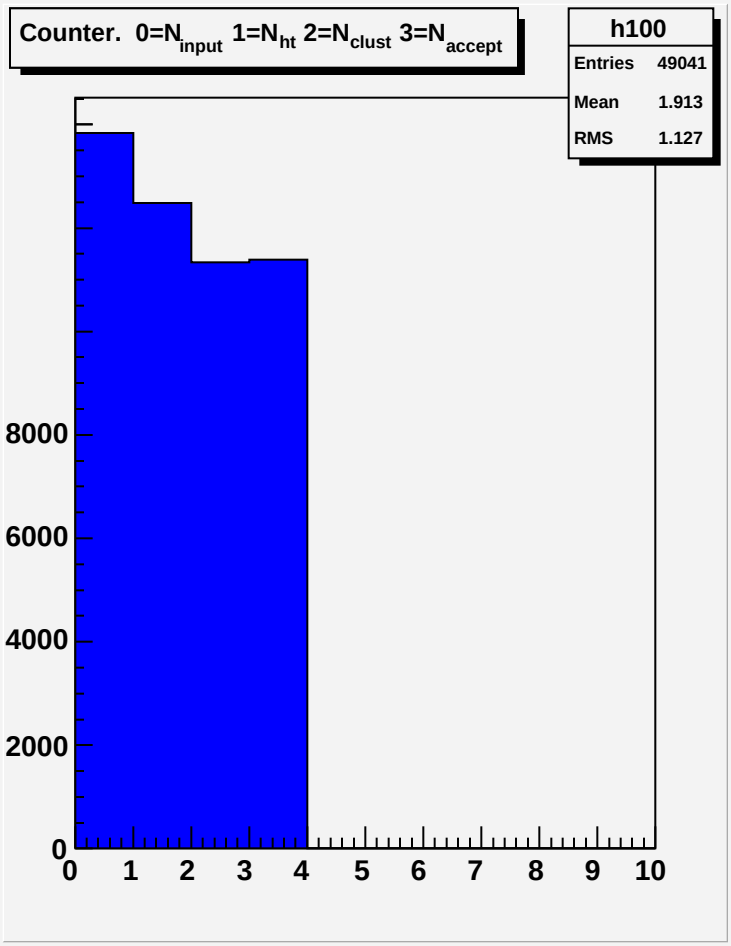
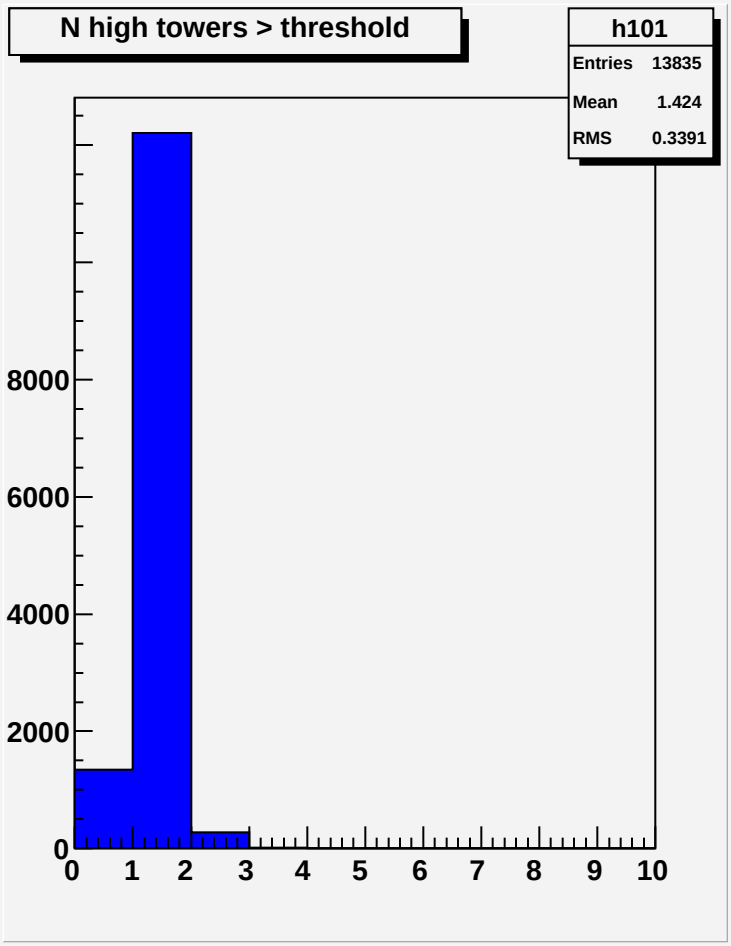
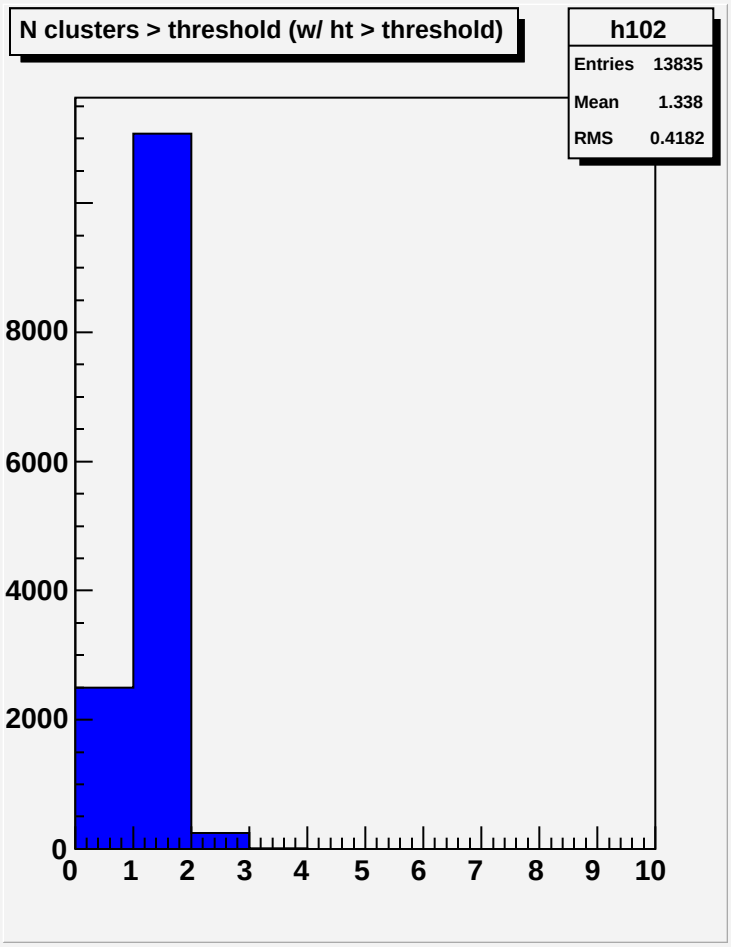
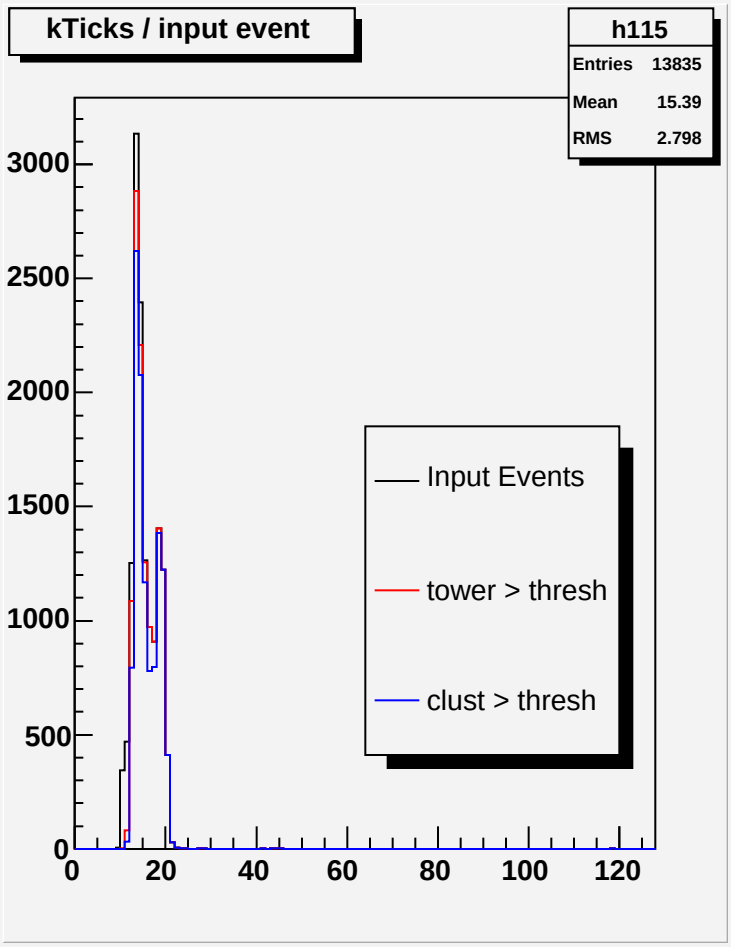
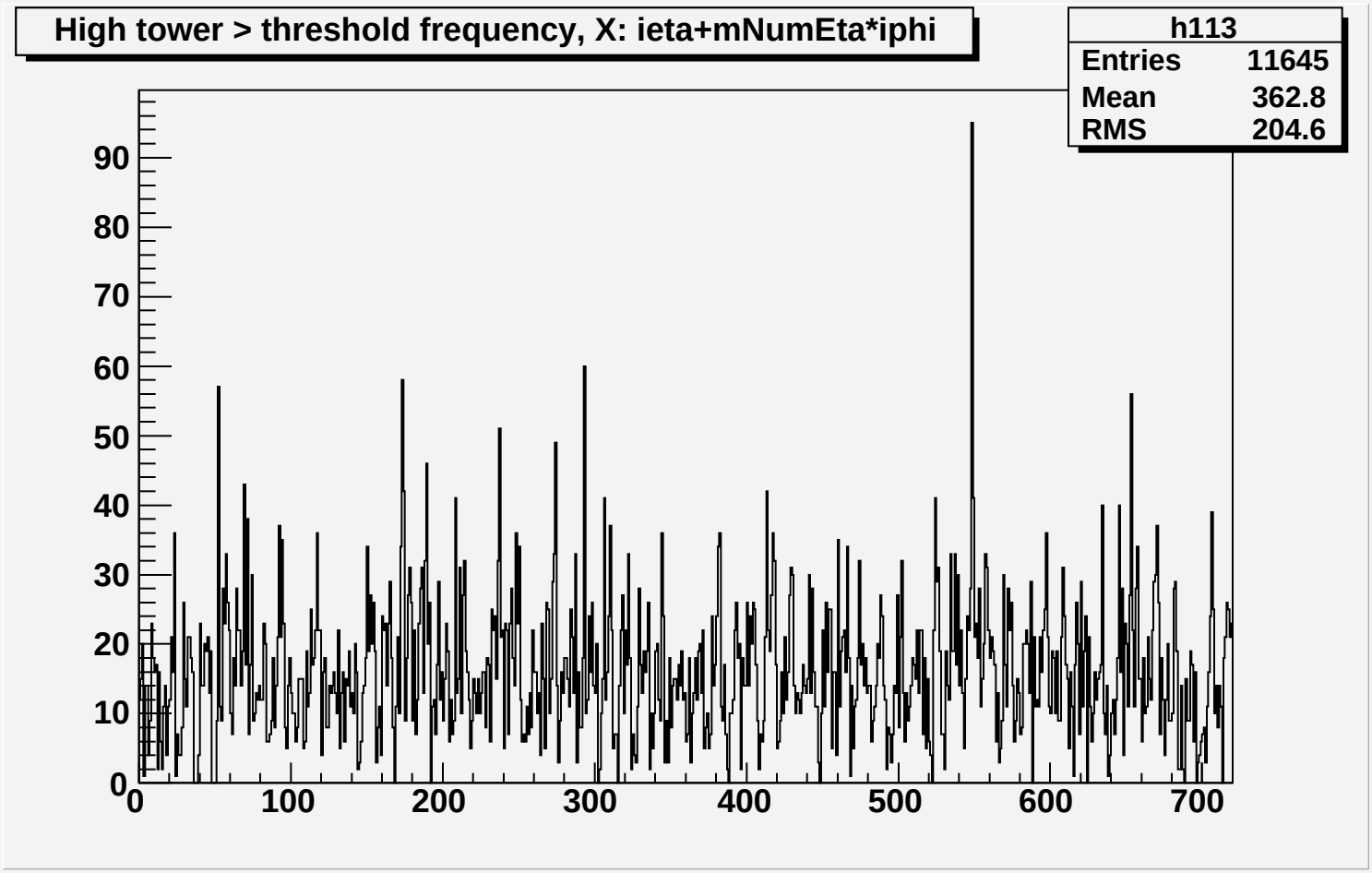
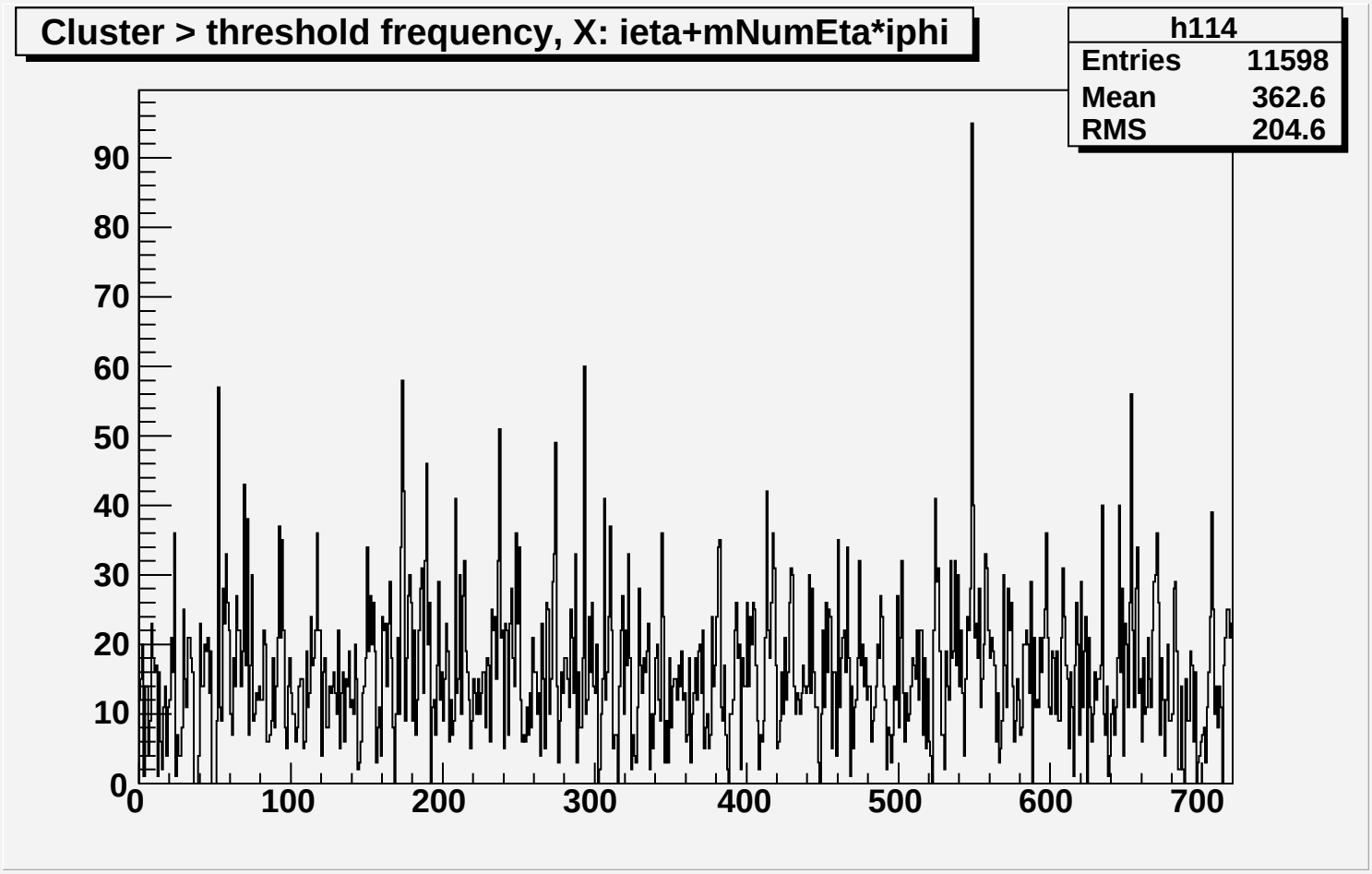

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 49041
Mean 1.913
RMS 1.127
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

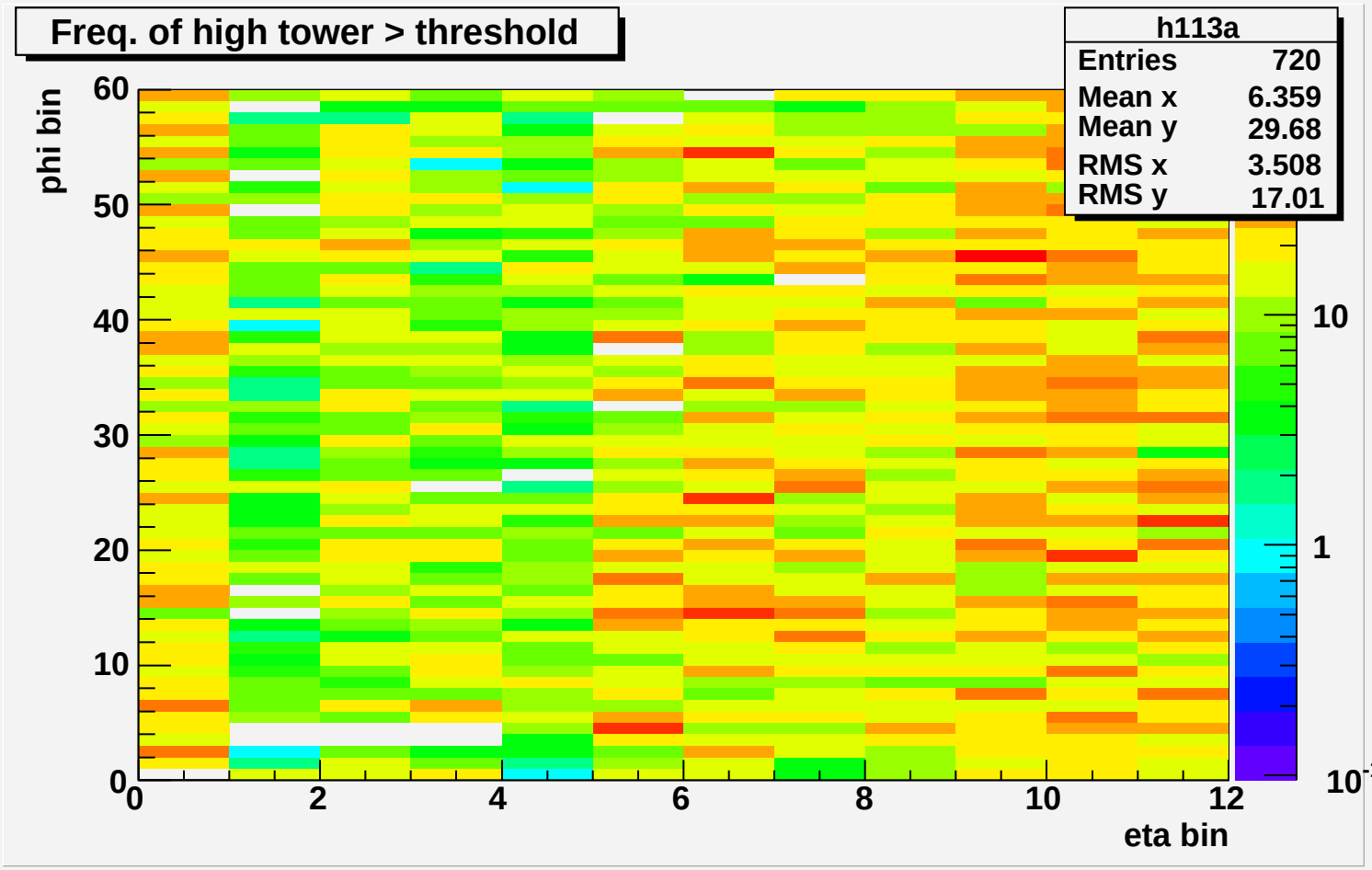

N high towers > threshold
h101
Entries 13835
Mean 1.424
RMS 0.3391
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

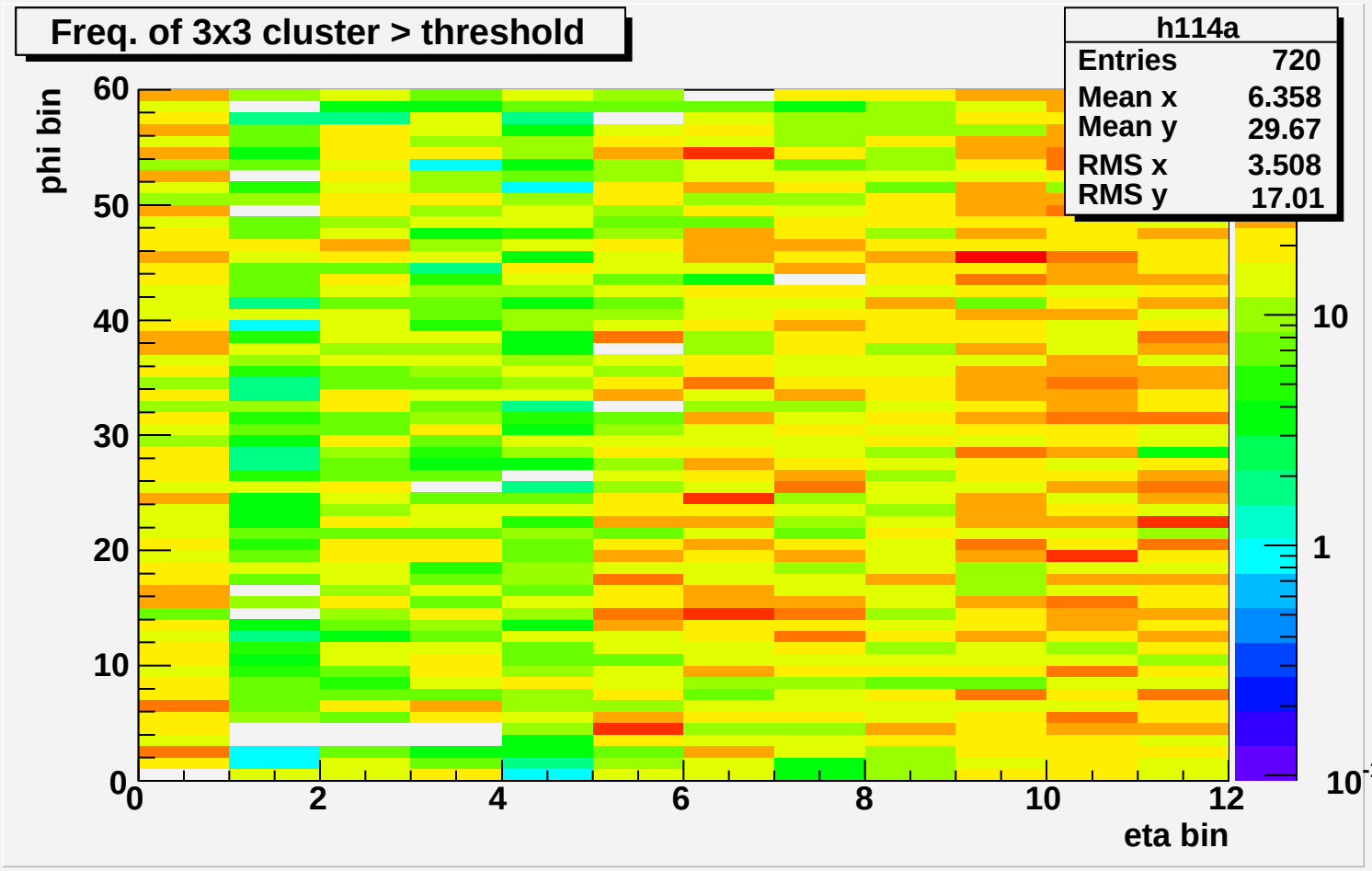

N clusters > threshold (w/ ht > threshold)
h102
Entries 13835
Mean 1.338
RMS 0.4182
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

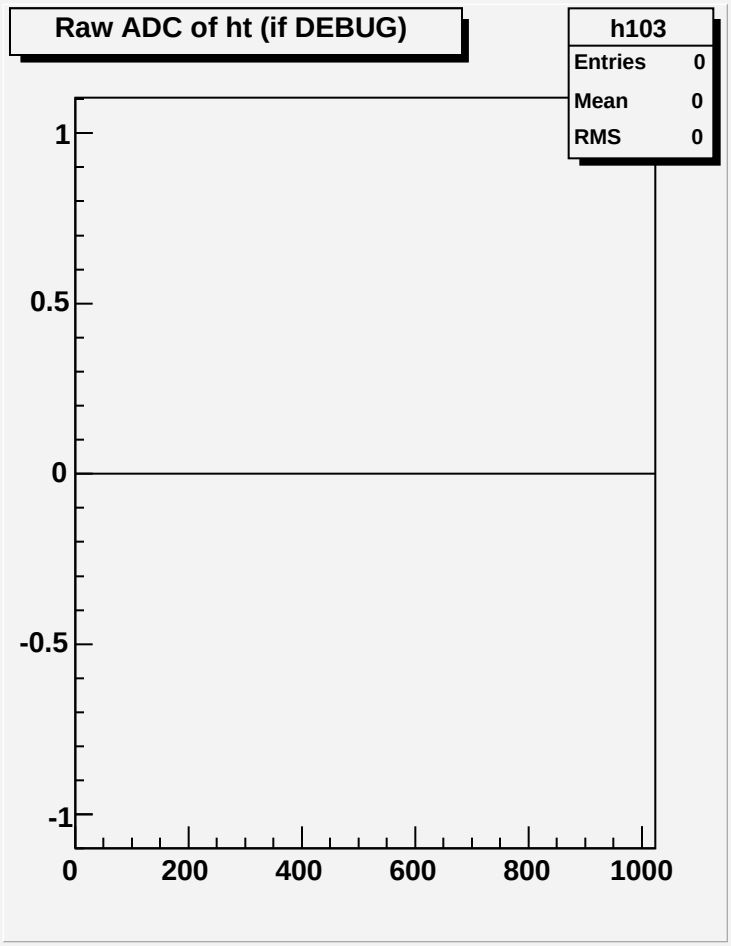

kTicks / input event
h115
Entries 13835
Mean 15.39
RMS 2.798
0
500
1000
1500
2000
2500
3000
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

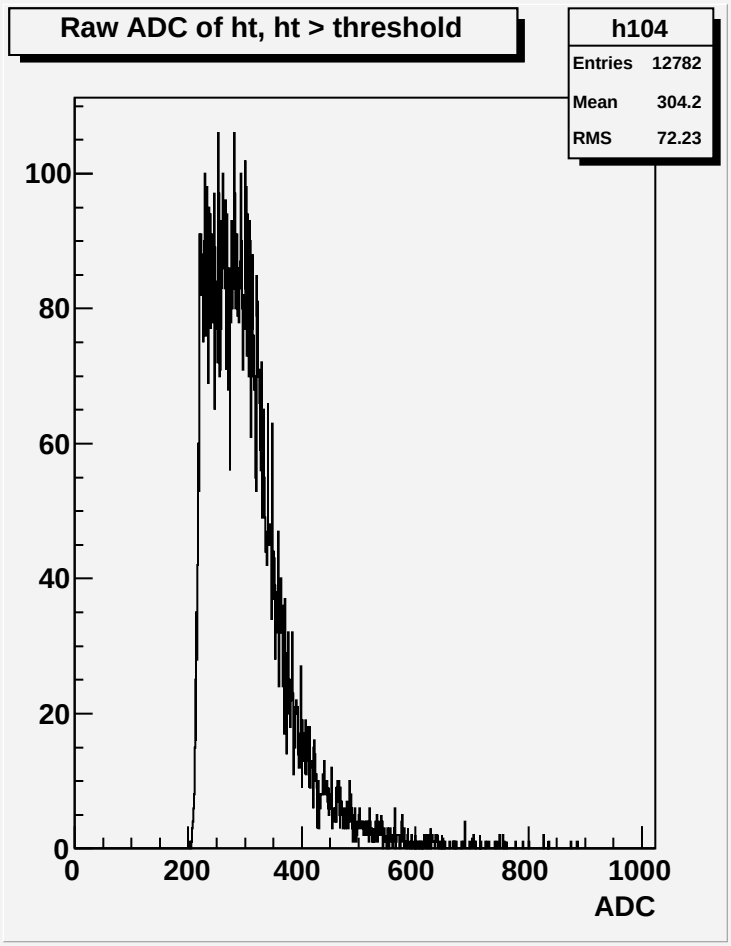

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 11645
Mean 362.8
RMS 204.6
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

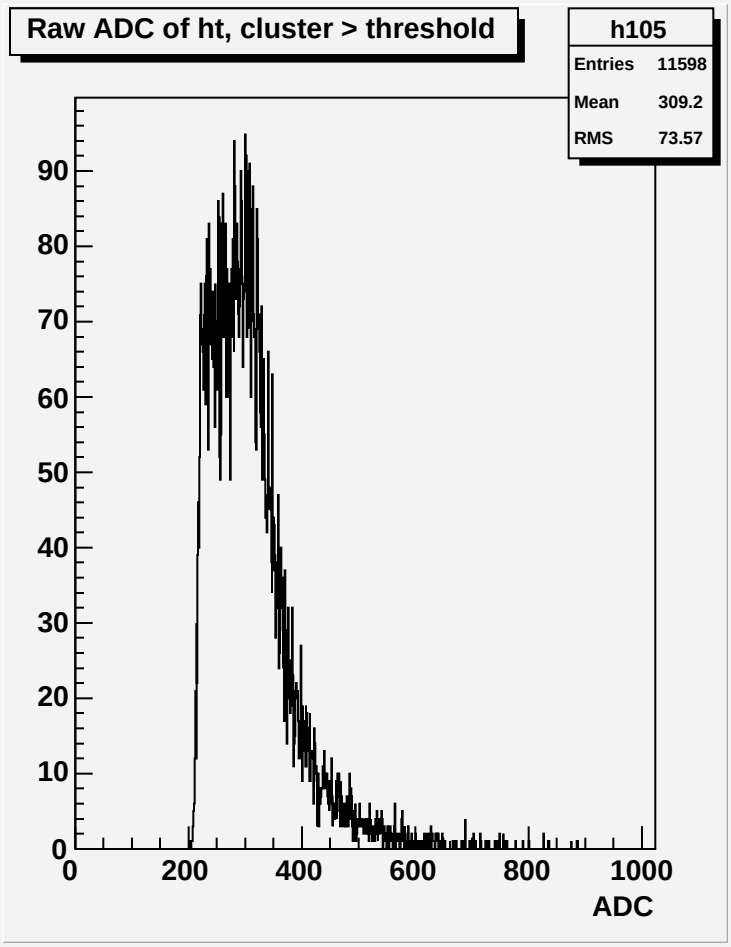

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 11598
Mean 362.6
RMS 204.6
0
10
20
30
40
50
60
70
80
90
0
100
200
300
400
500
600
700

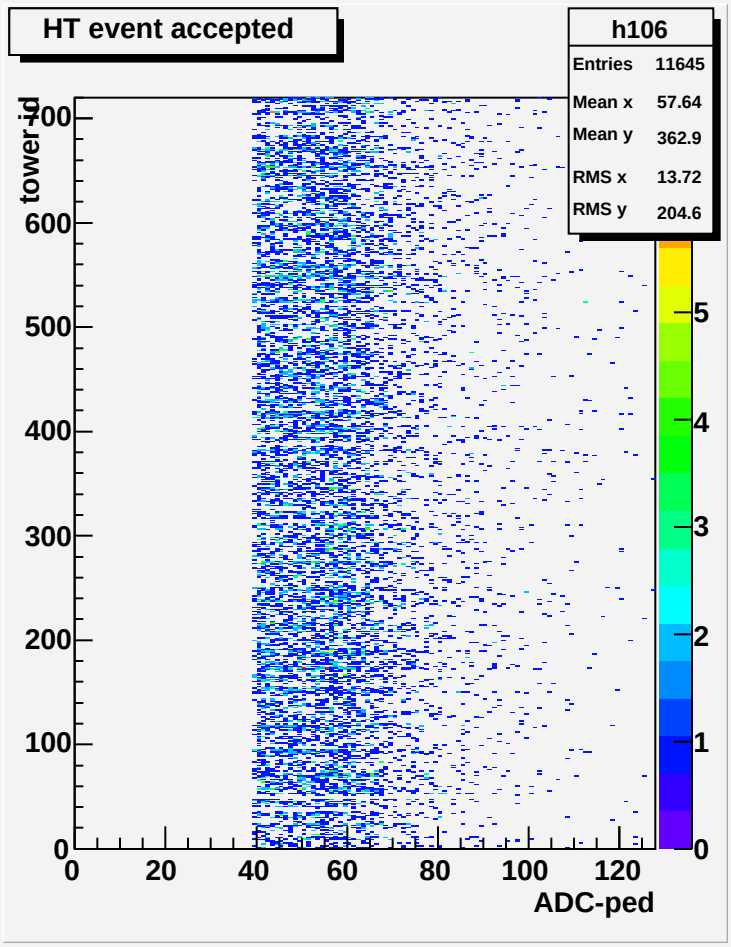

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.359
Mean y 29.68
RMS x 3.508
RMS y 17.01
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10
10^{-1}

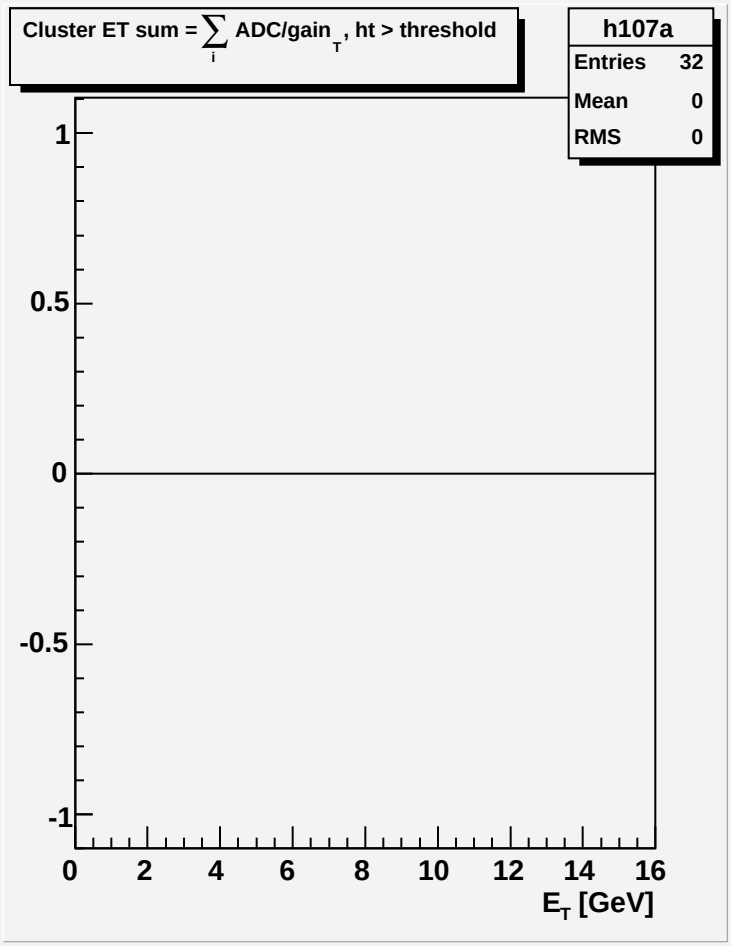

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.358
Mean y 29.67
RMS x 3.508
RMS y 17.01
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10
10^{-1}

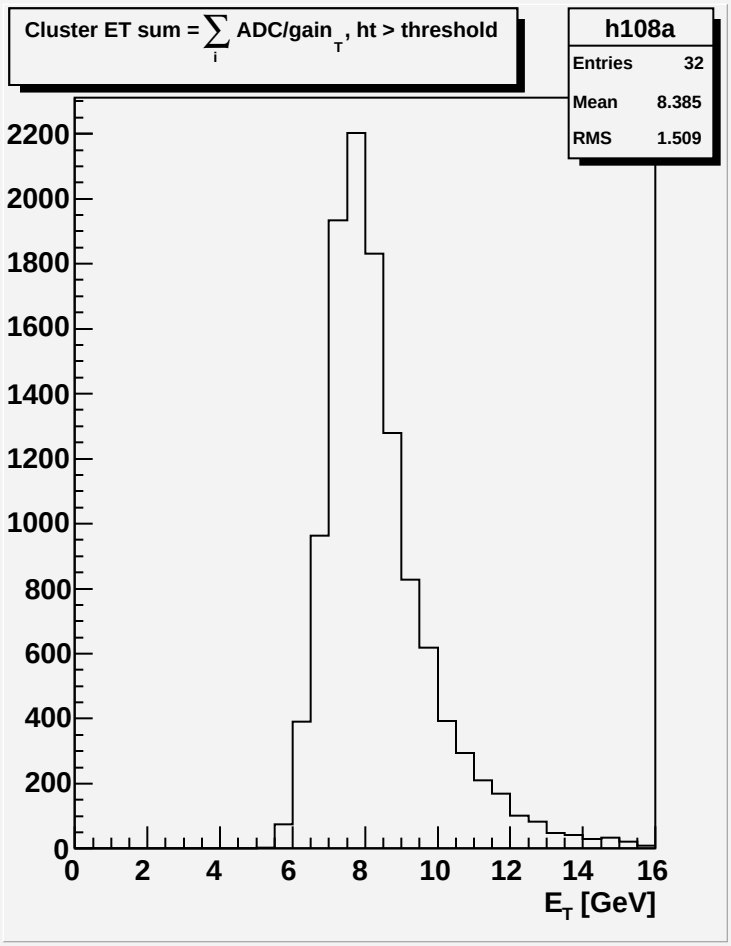

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

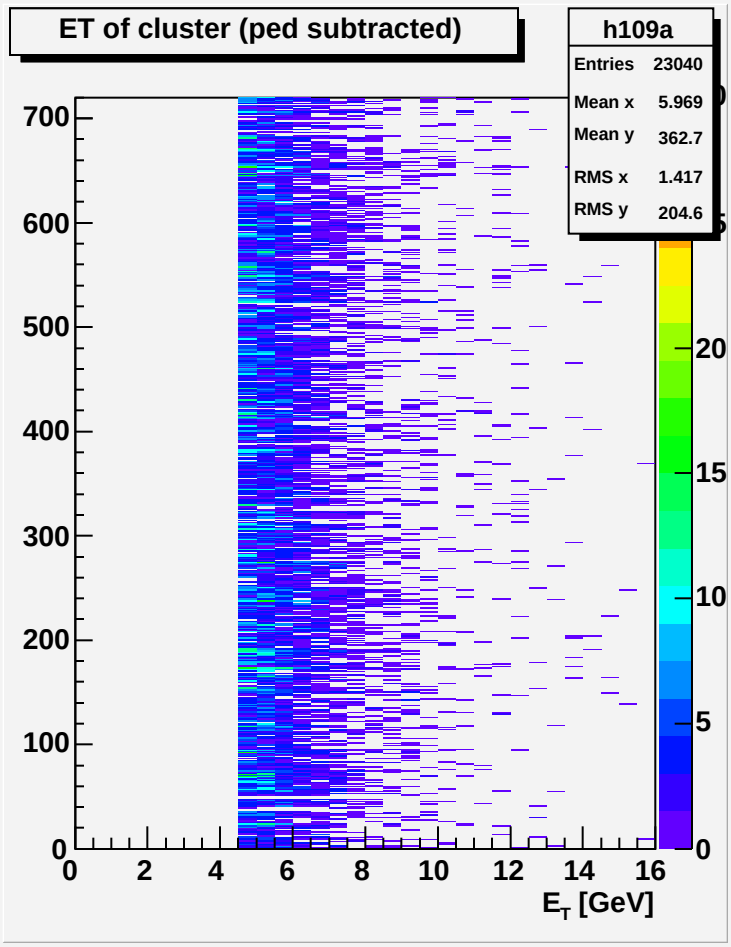

Raw ADC of ht, ht > threshold
h104
Entries 12782
Mean 304.2
RMS 72.23
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


Raw ADC of ht, cluster > threshold
h105
Entries 11598
Mean 309.2
RMS 73.57
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 11645
Mean x 57.64
Mean y 362.9
RMS x 13.72
RMS y 204.6
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
5
4
3
2
1
0


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h107a
Entries 32
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0 2 4 6 8 10 12 14 16
E_T [GeV]


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h108a
Entries 32
Mean 8.385
RMS 1.509
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0 2 4 6 8 10 12 14 16
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 5.969
Mean y 362.7
RMS x 1.417
RMS y 204.6
700
600
500
400
300
200
100
0
0 2 4 6 8 10 12 14 16
E_T [GeV]
20
15
10
5
0