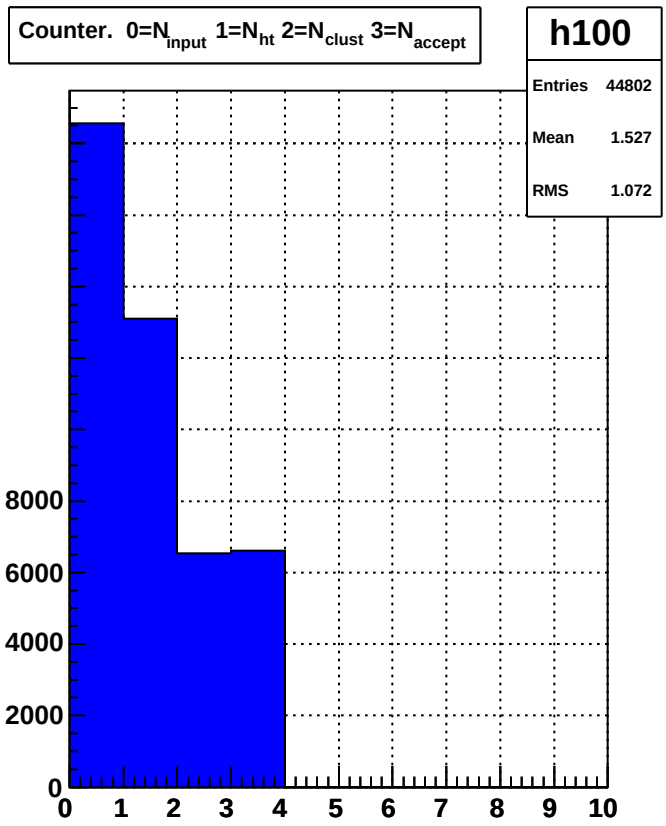
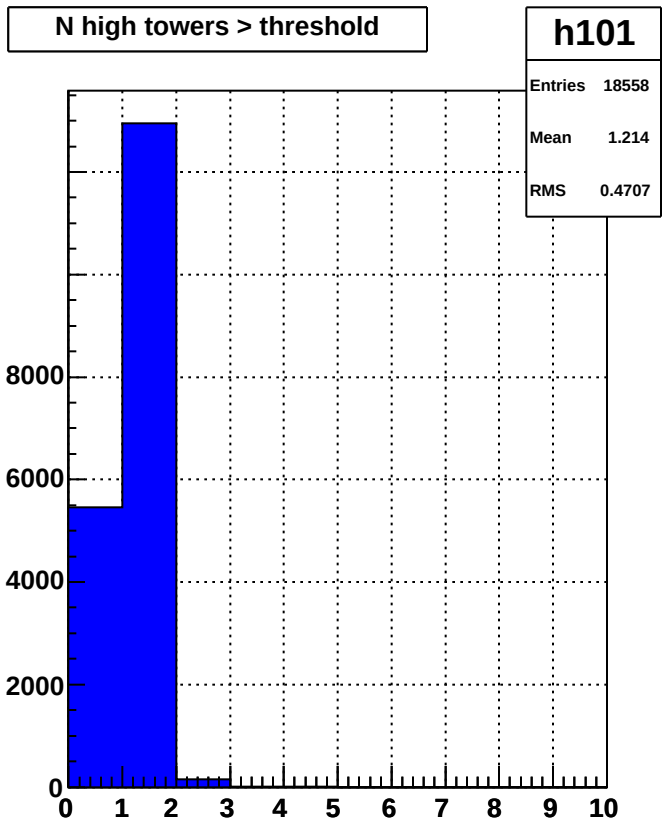
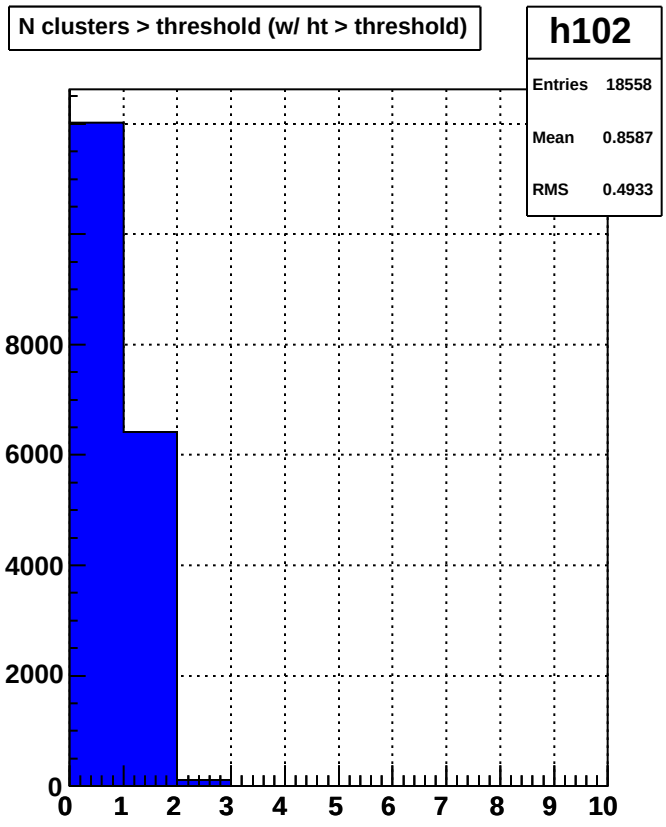
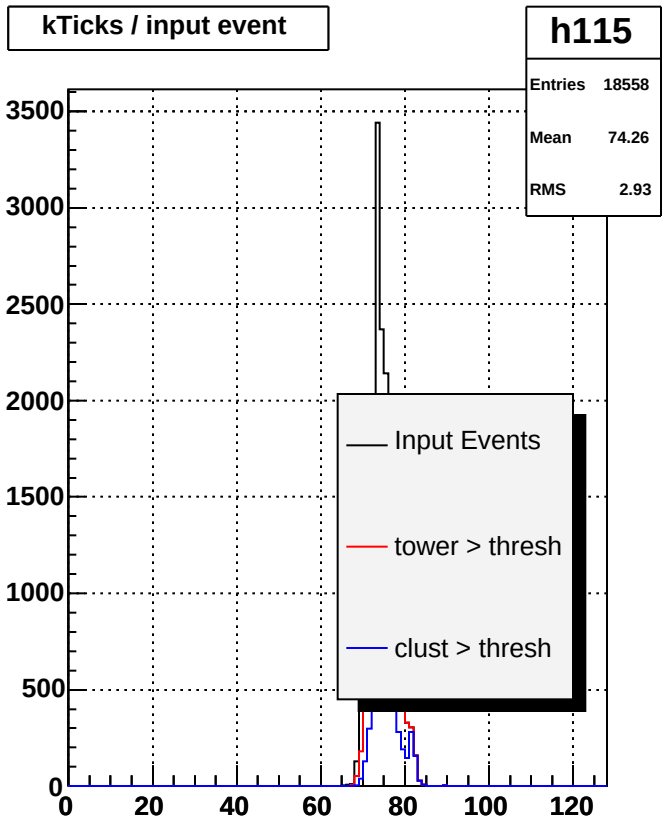
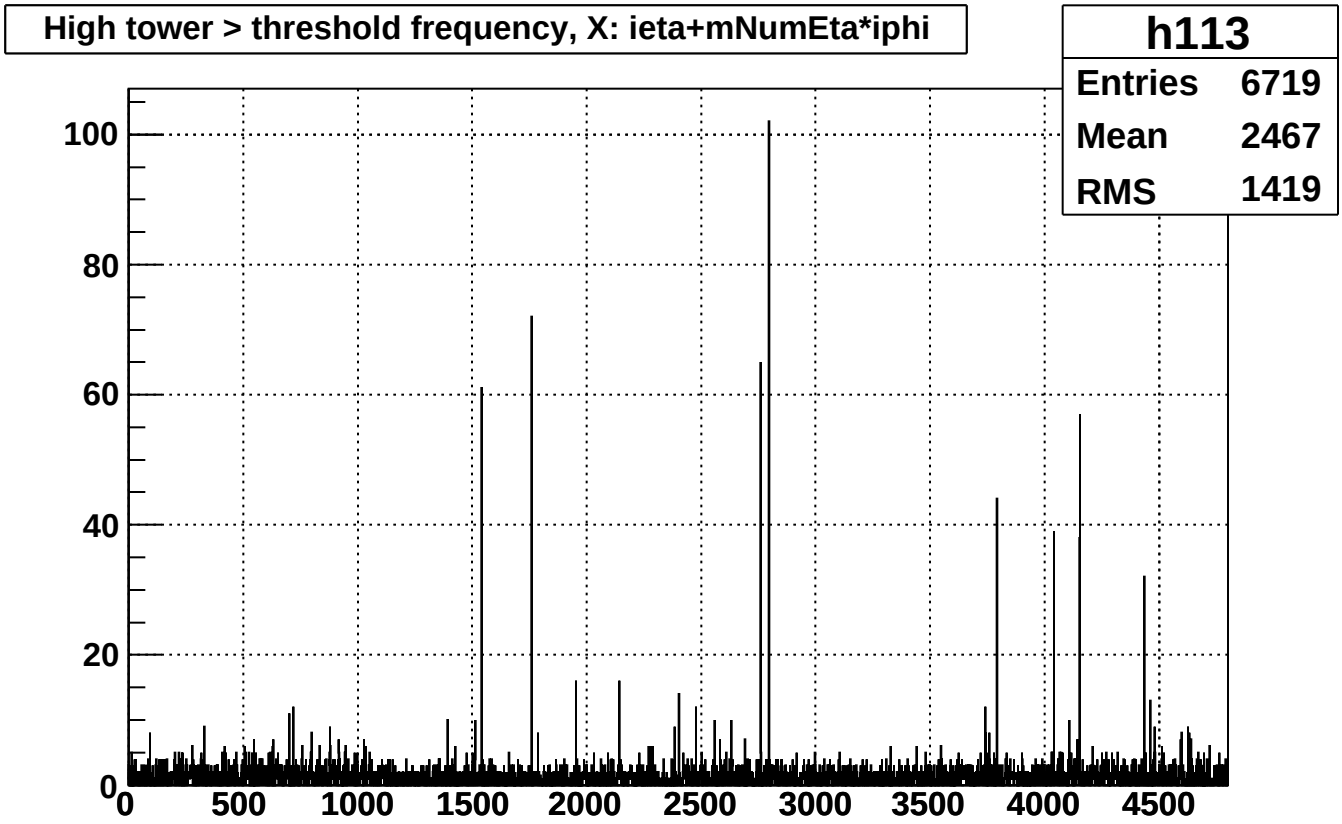
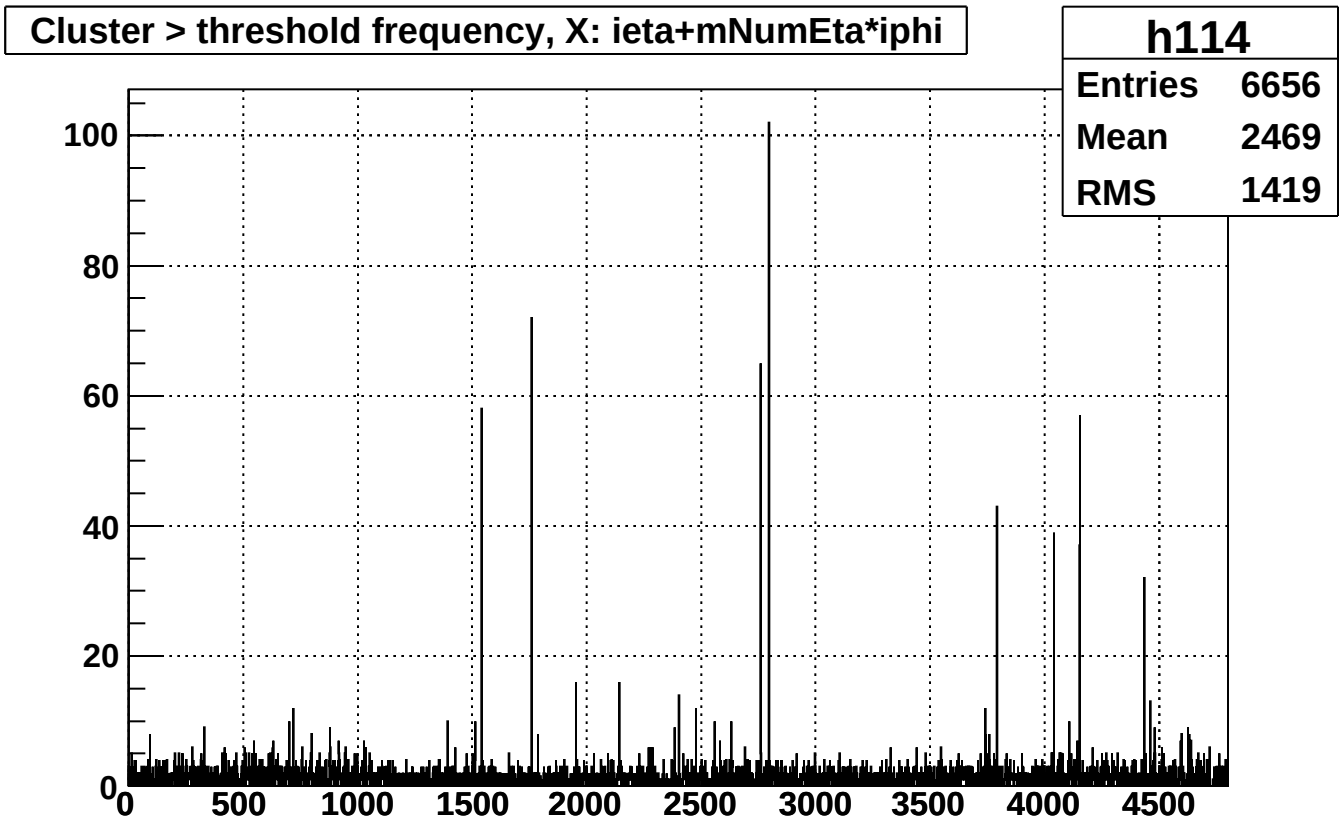

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 44802
Mean 1.527
RMS 1.072
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

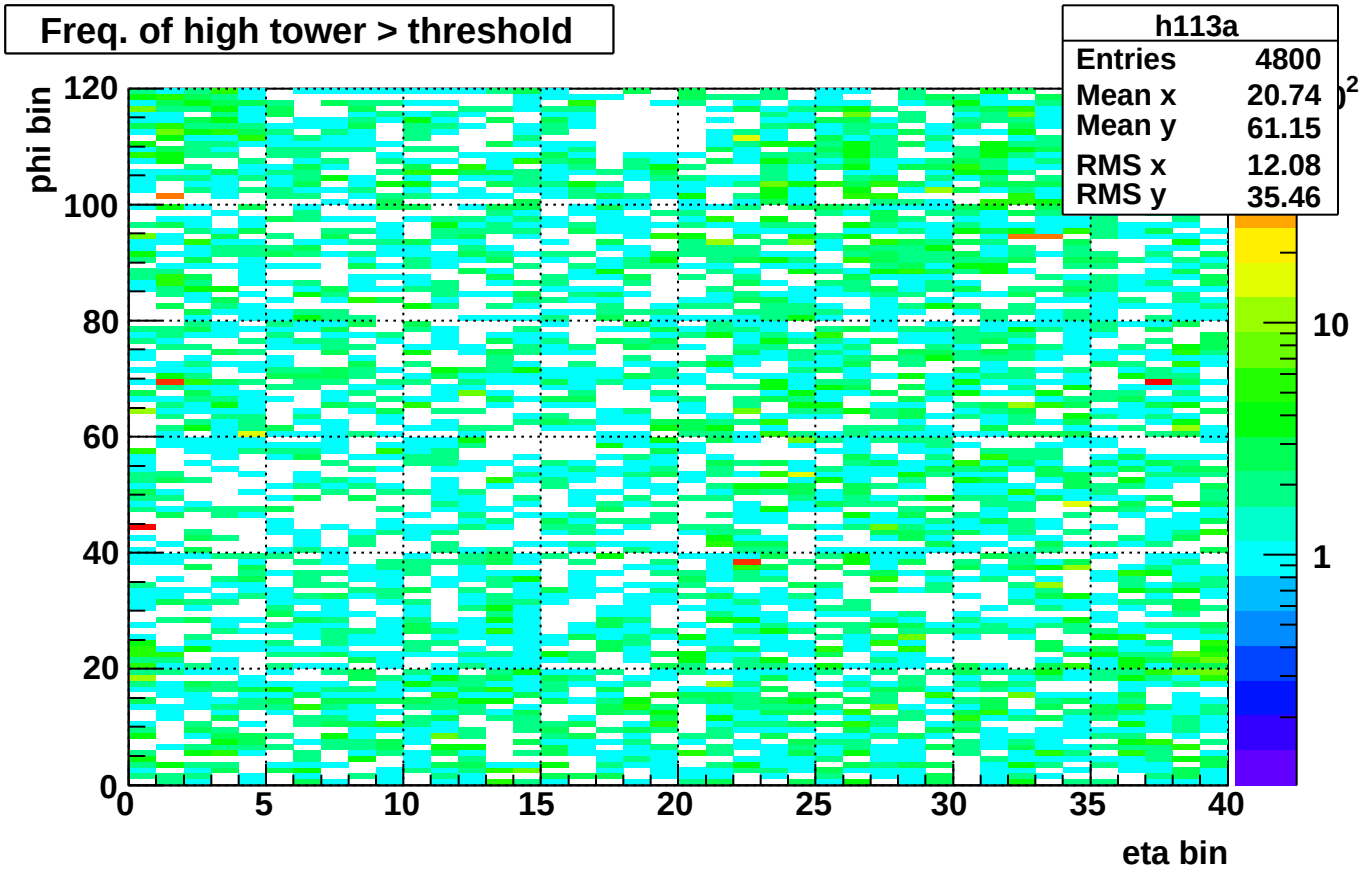

N high towers > threshold
h101
Entries 18558
Mean 1.214
RMS 0.4707
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

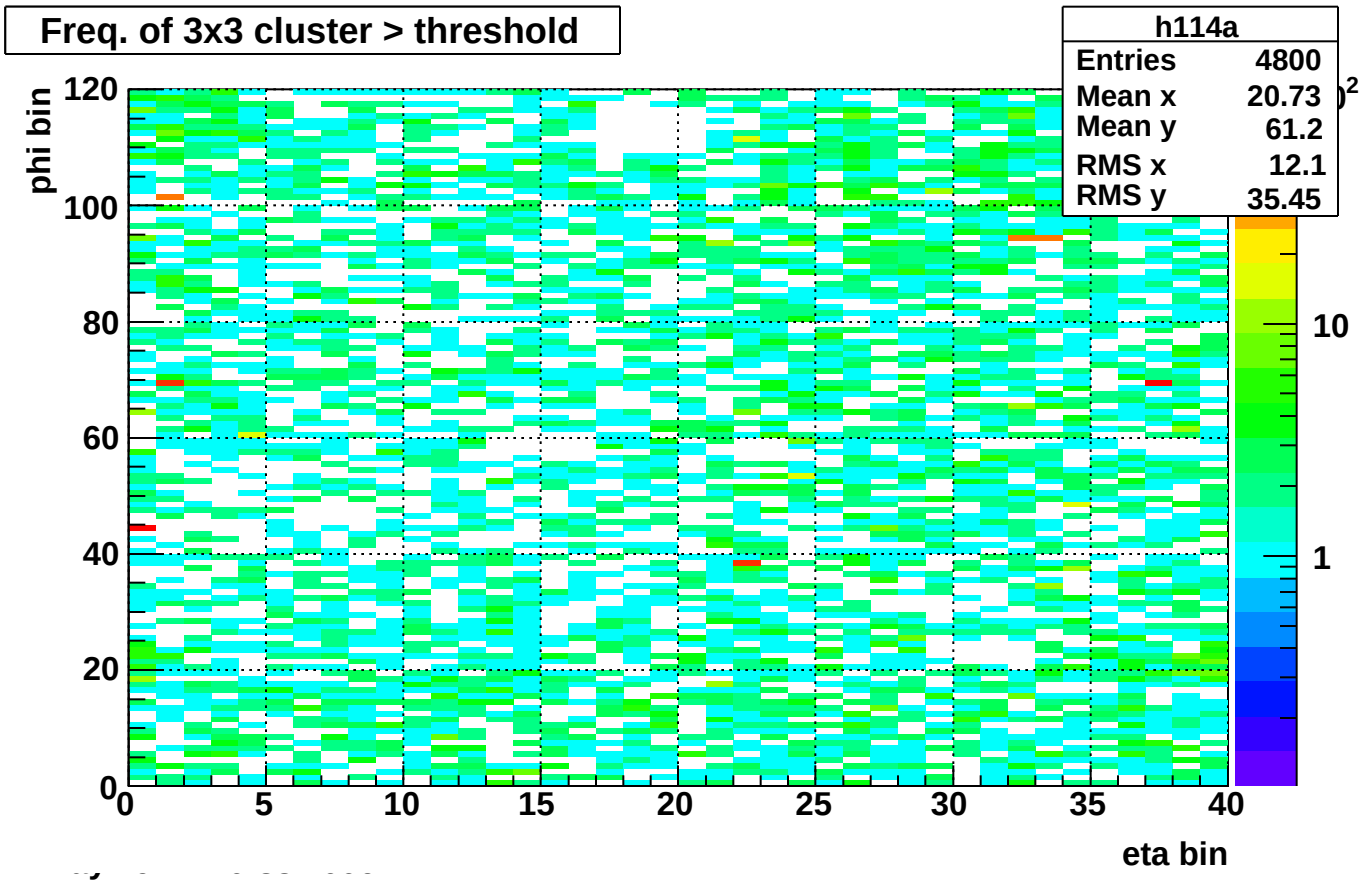

N clusters > threshold (w/ ht > threshold)
h102
Entries 18558
Mean 0.8587
RMS 0.4933
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

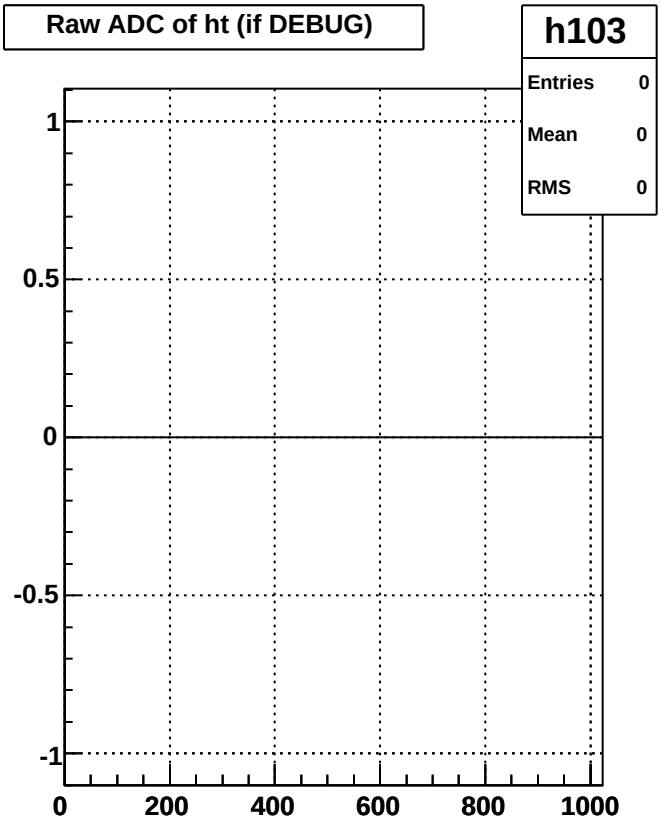

kTicks / input event
h115
Entries 18558
Mean 74.26
RMS 2.93
0
500
1000
1500
2000
2500
3000
3500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

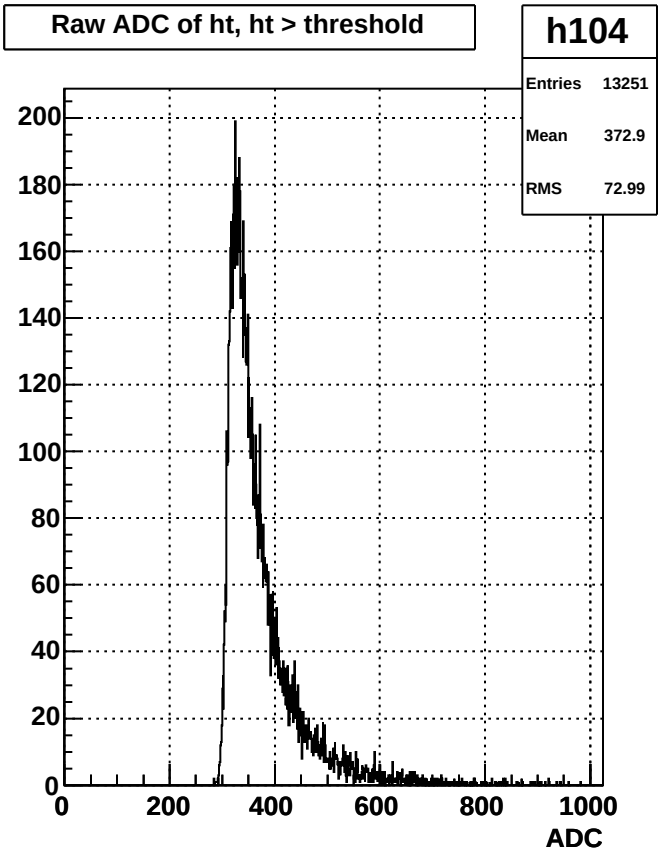

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 6719
Mean 2467
RMS 1419
0
20
40
60
80
100
0
500
1000
1500
2000
2500
3000
3500
4000
4500

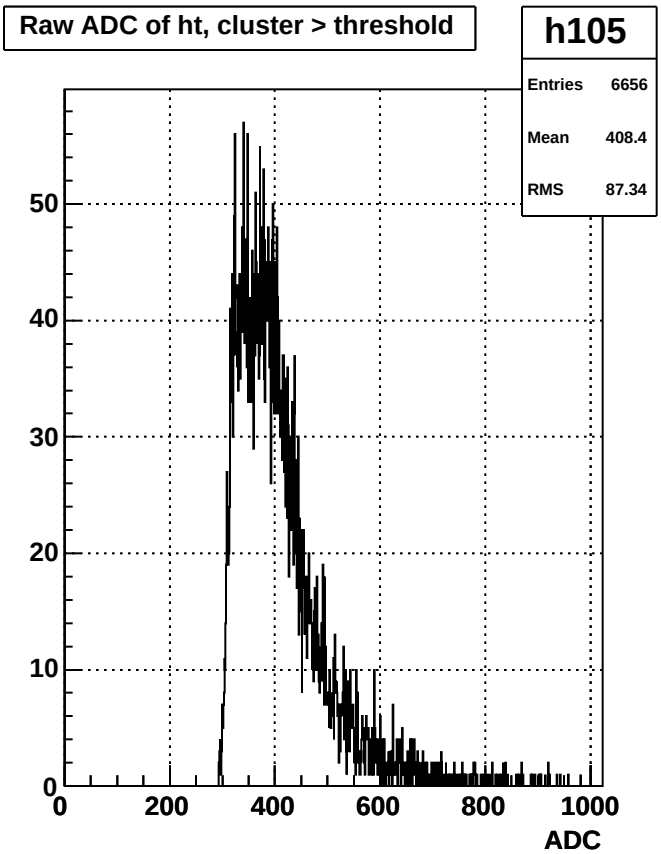

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 6656
Mean 2469
RMS 1419
0
20
40
60
80
100
0
500
1000
1500
2000
2500
3000
3500
4000
4500

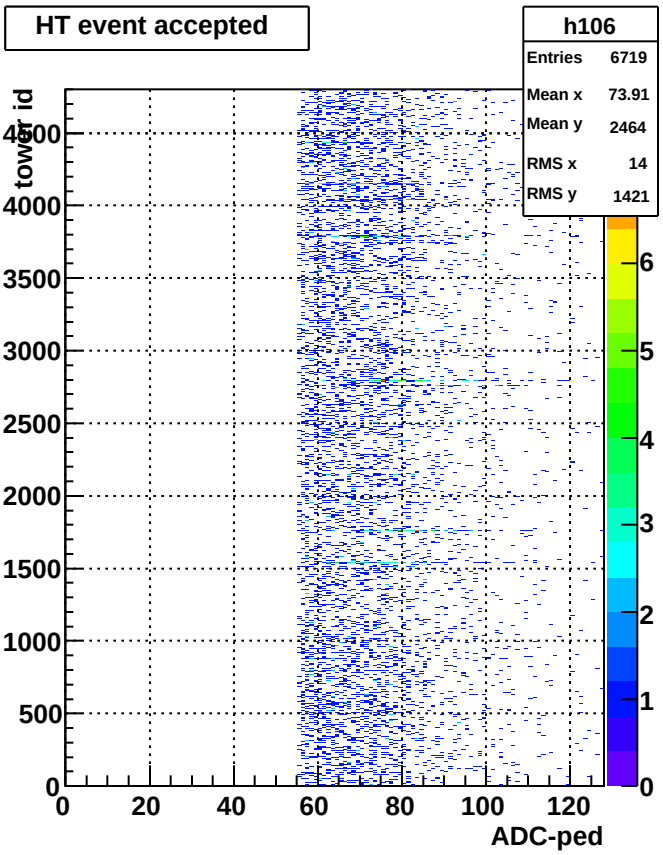

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.74
Mean y 61.15
RMS x 12.08
RMS y 35.46
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

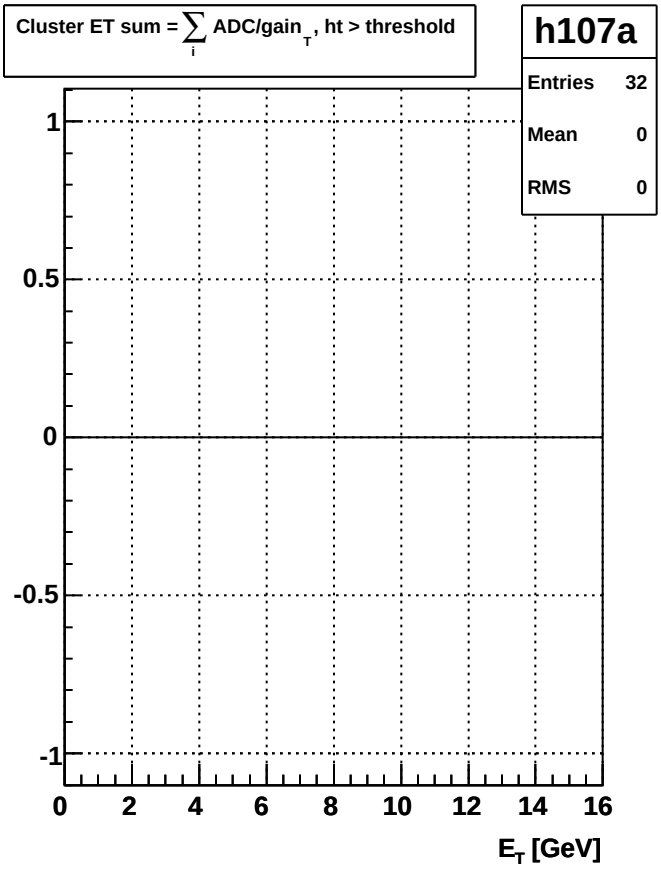

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.73
Mean y 61.2
RMS x 12.1
RMS y 35.45
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

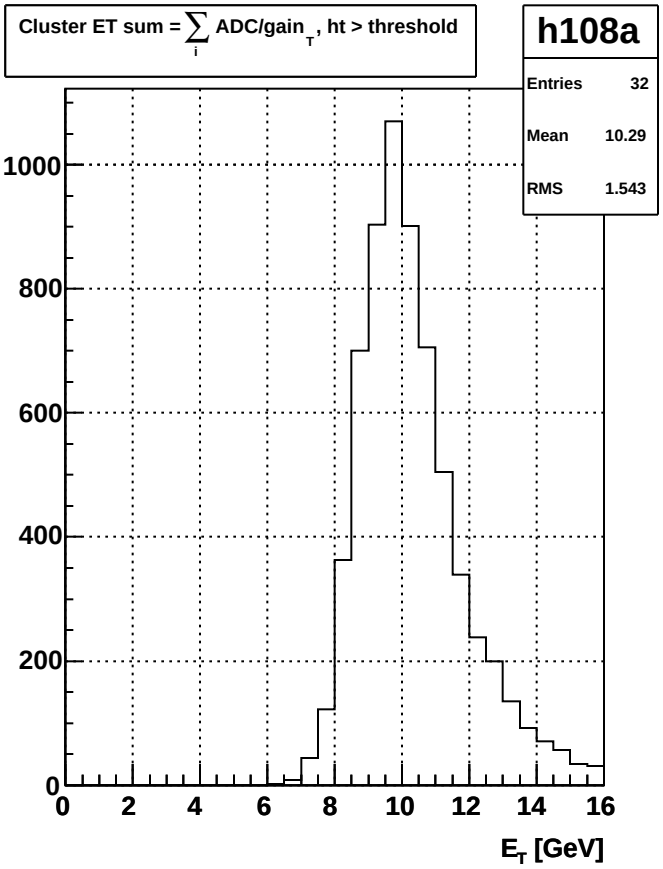

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

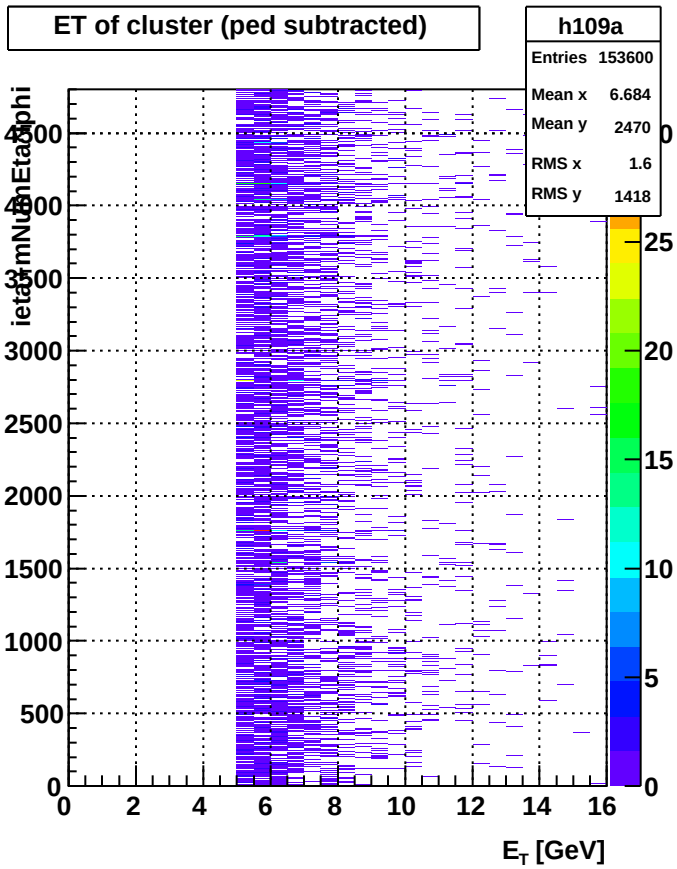

Raw ADC of ht, ht > threshold
h104
Entries 13251
Mean 372.9
RMS 72.99
200
180
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

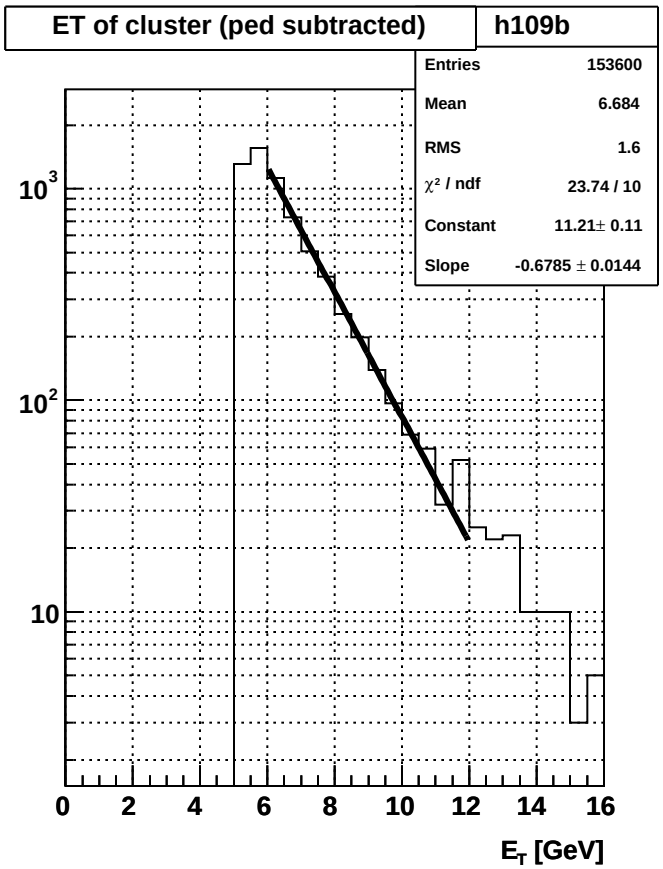

Raw ADC of ht, cluster > threshold
h105
Entries 6656
Mean 408.4
RMS 87.34
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 6719
Mean x 73.91
Mean y 2464
RMS x 14
RMS y 1421
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
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 10.29
RMS 1.543
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.684
Mean y 2470
RMS x 1.6
RMS y 1418
ietaNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.684
RMS 1.6
χ^2 / ndf 23.74 / 10
Constant 11.21 ± 0.11
Slope -0.6785 ± 0.0144
E_T [GeV]