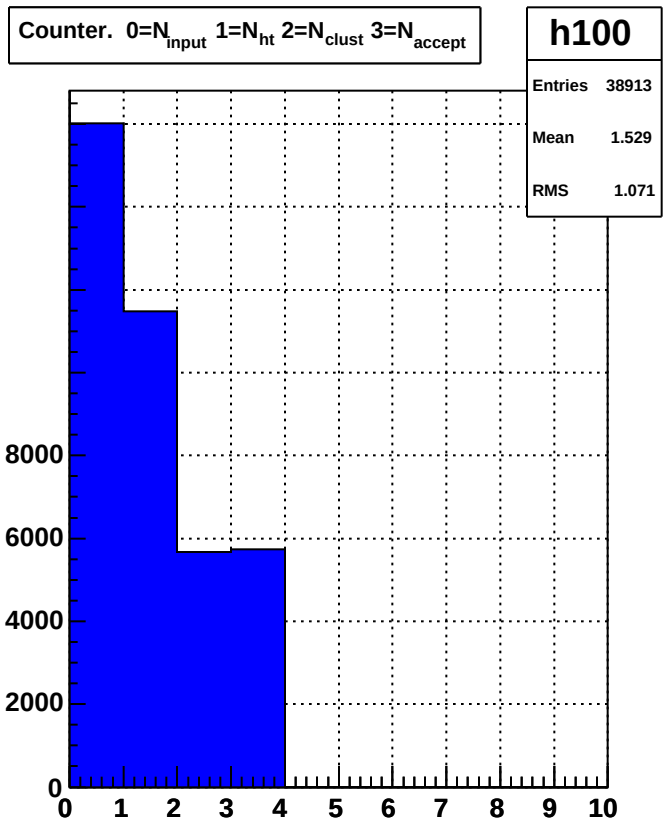
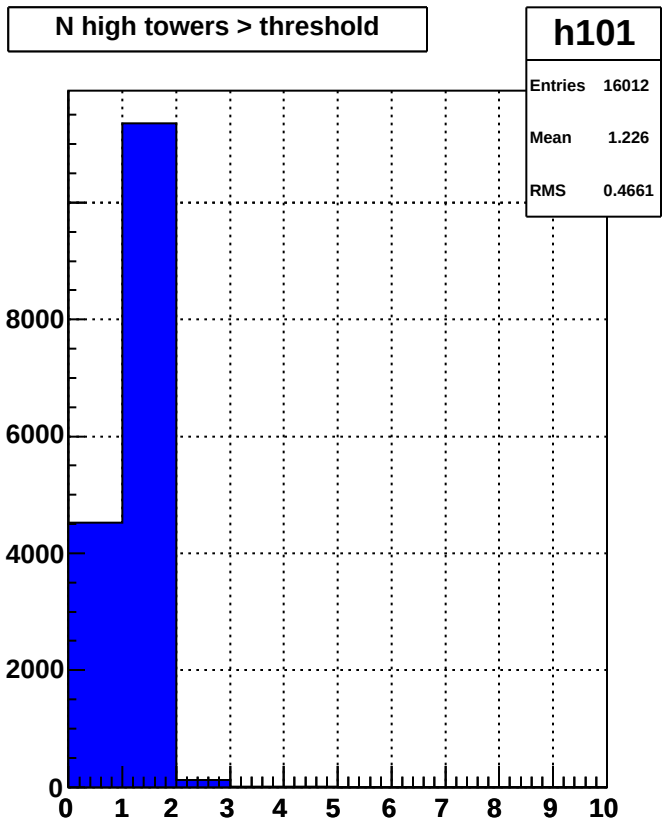
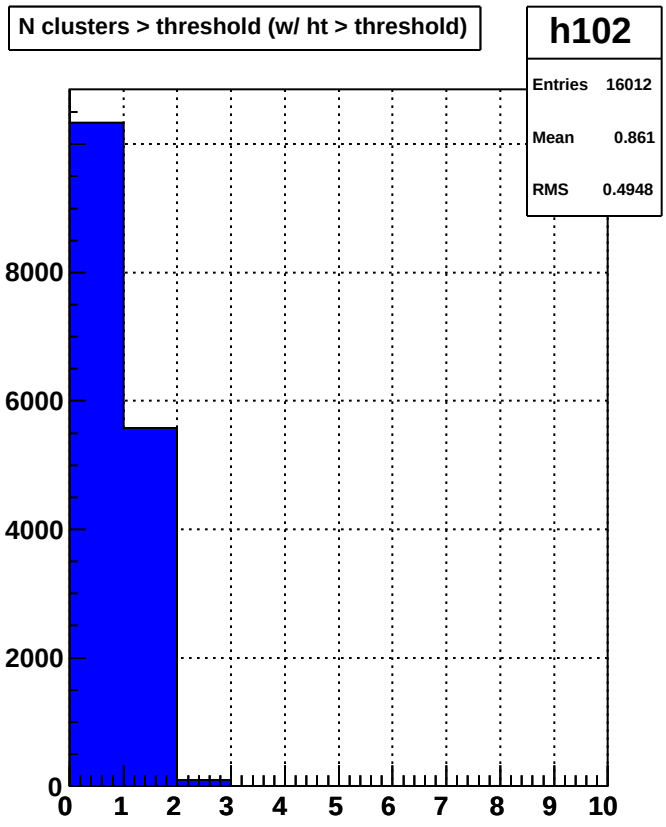
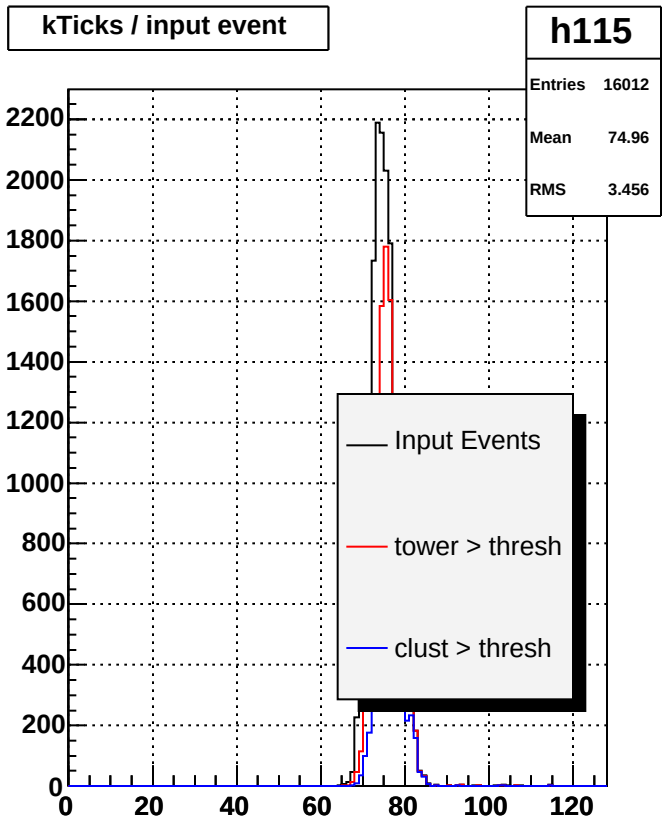
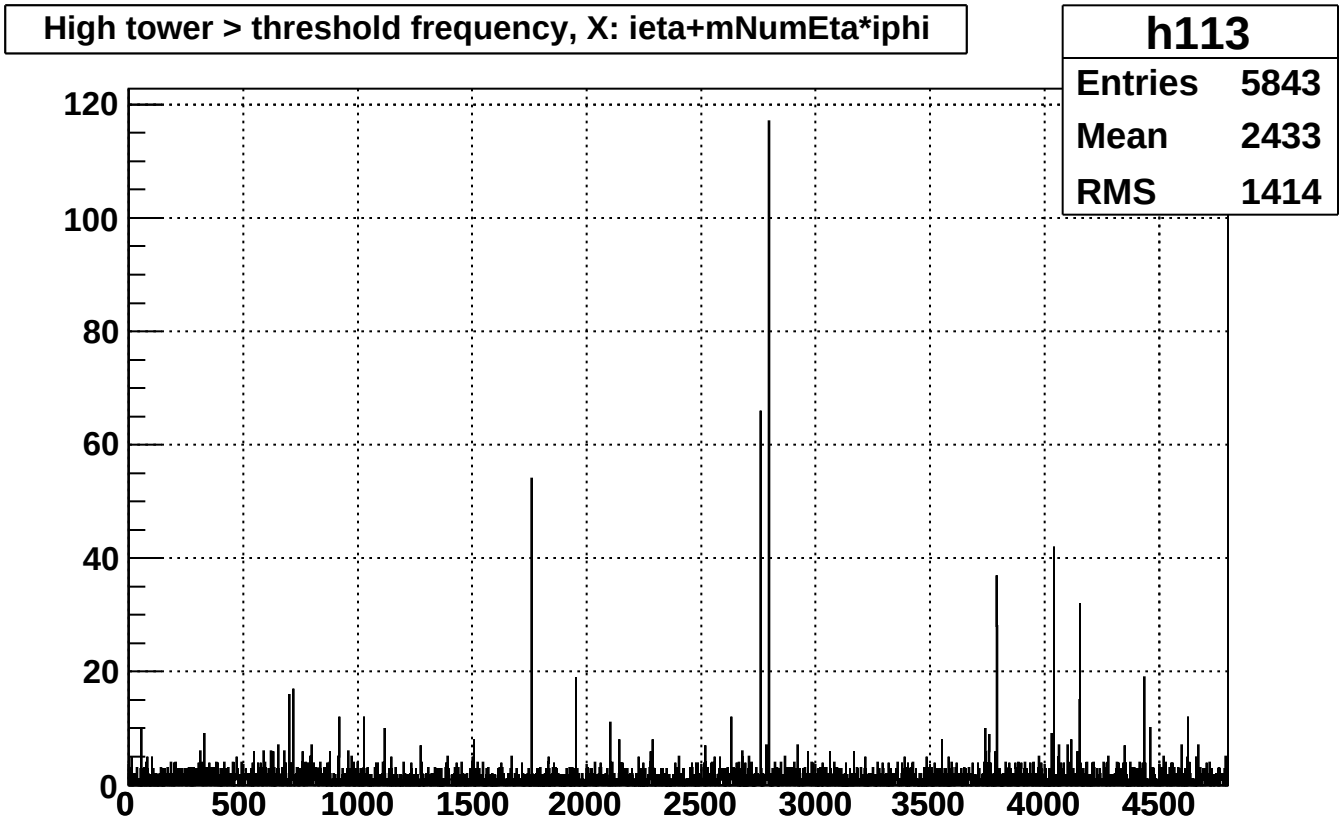
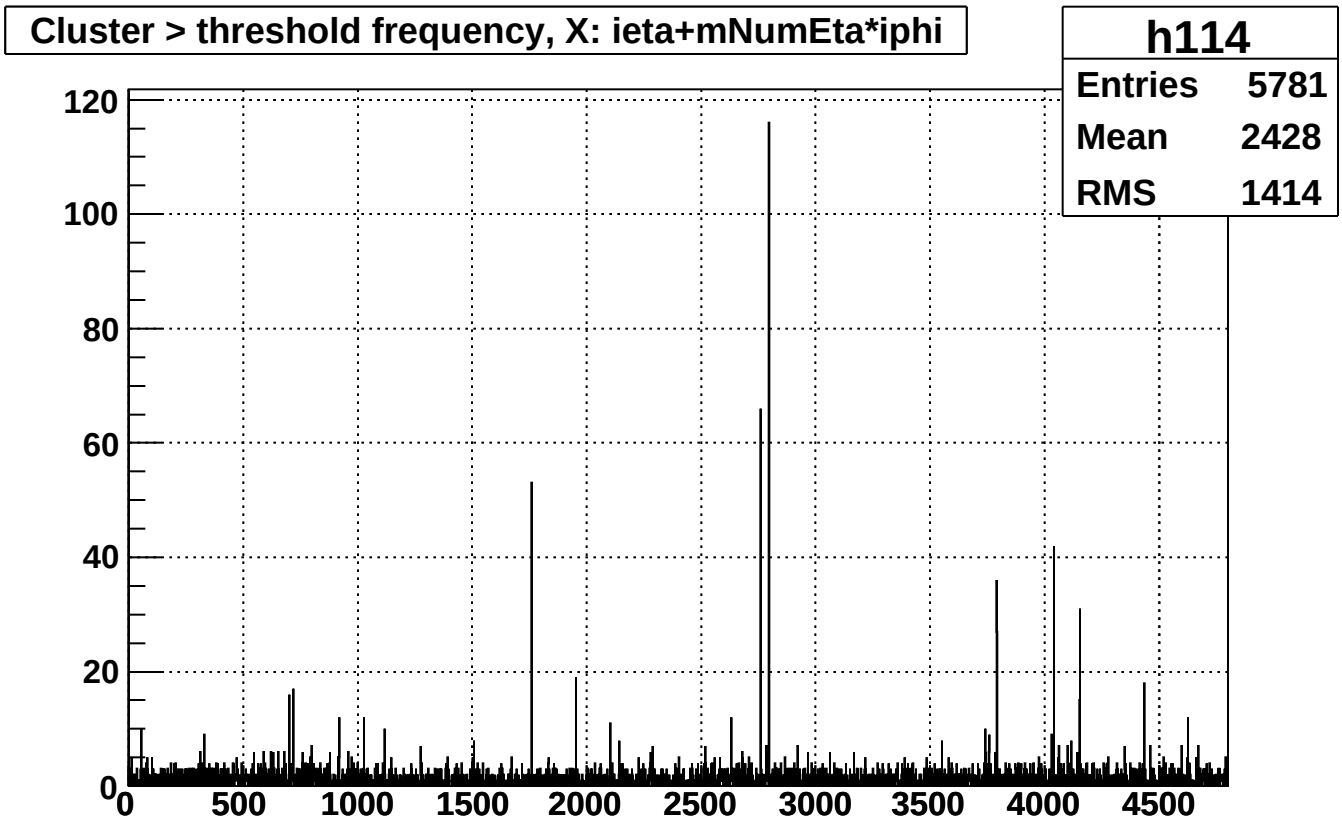

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 38913
Mean 1.529
RMS 1.071
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

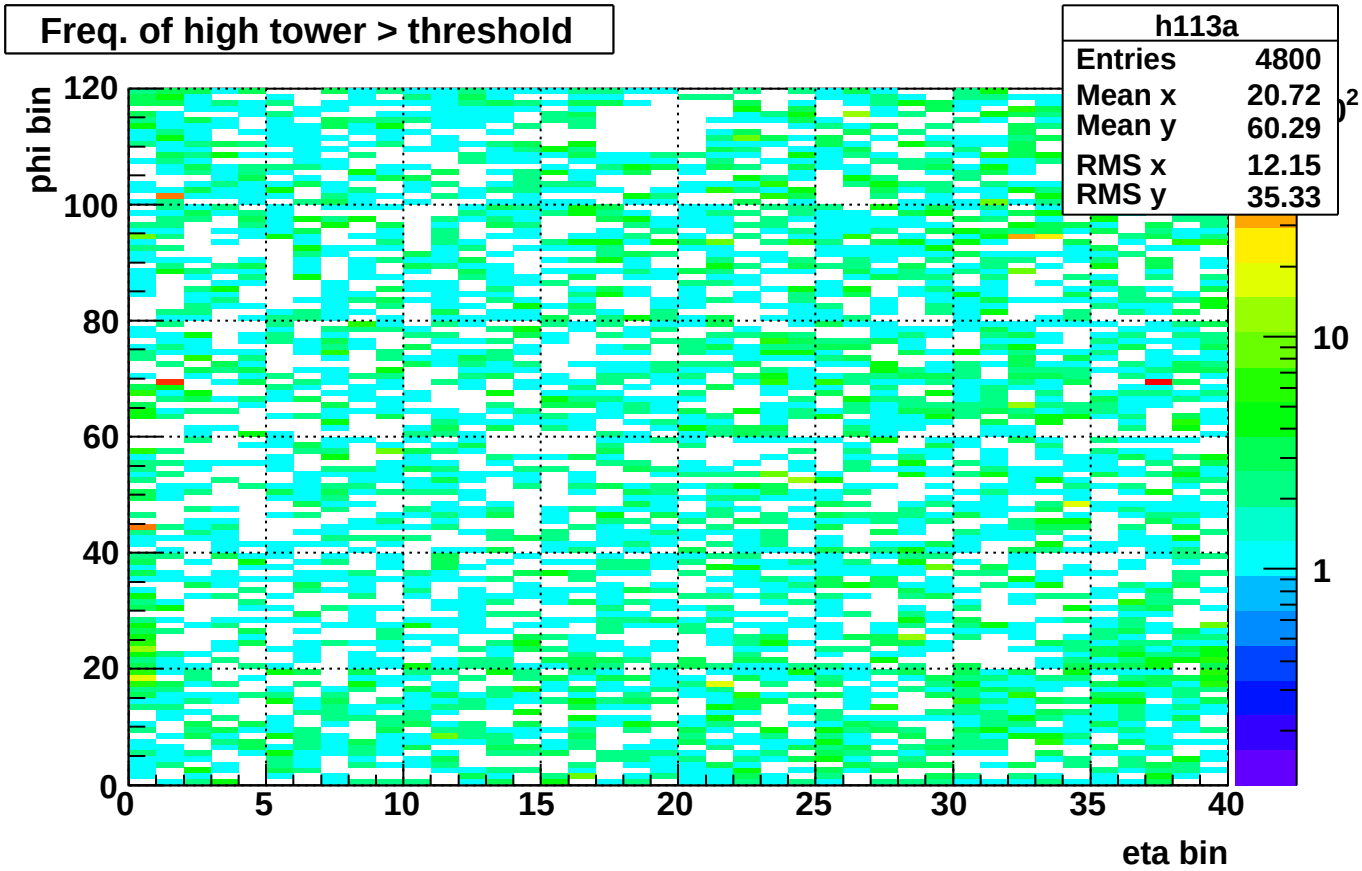

N high towers > threshold
h101
Entries 16012
Mean 1.226
RMS 0.4661
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

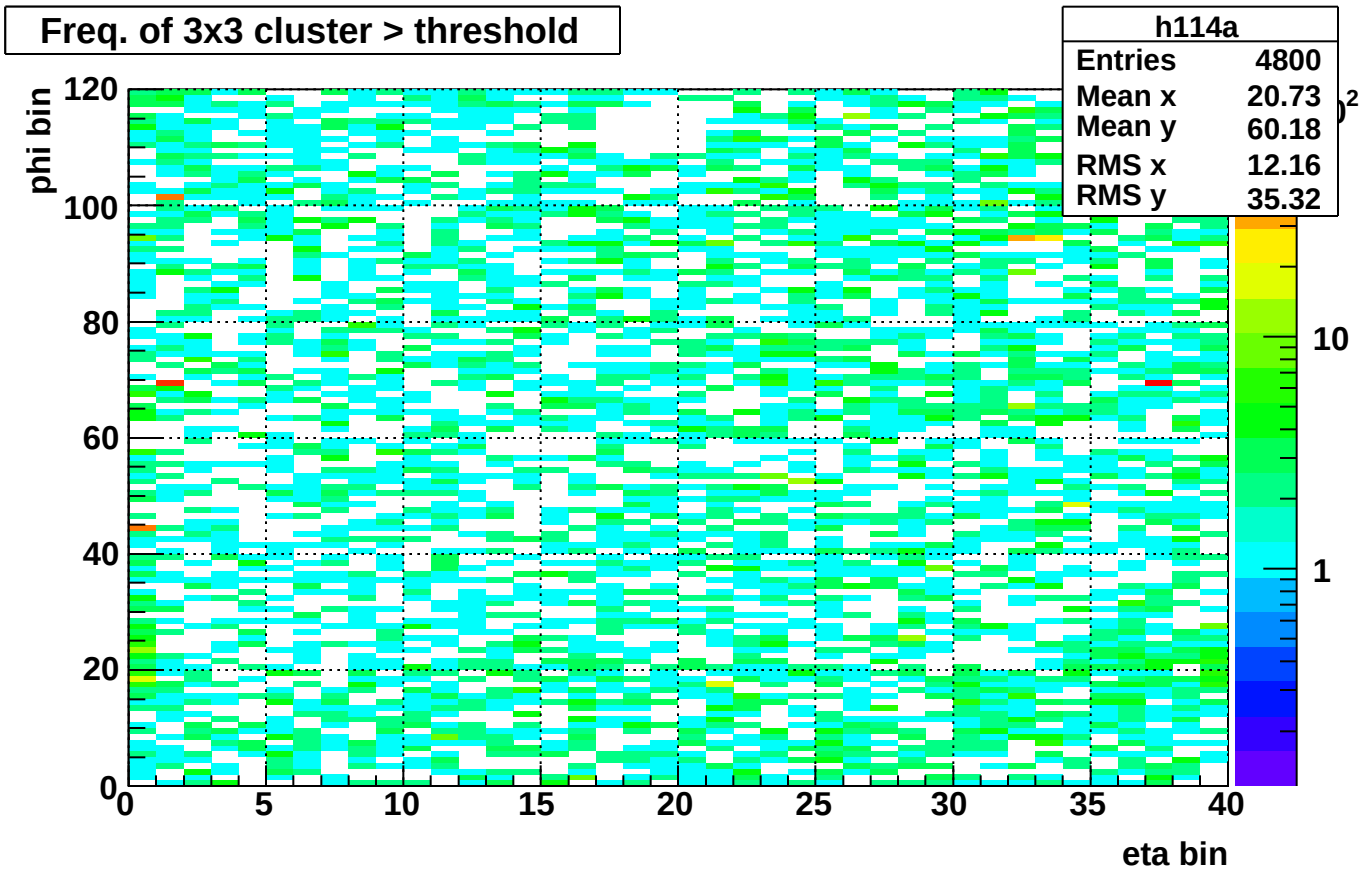

N clusters > threshold (w/ ht > threshold)
h102
Entries 16012
Mean 0.861
RMS 0.4948
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

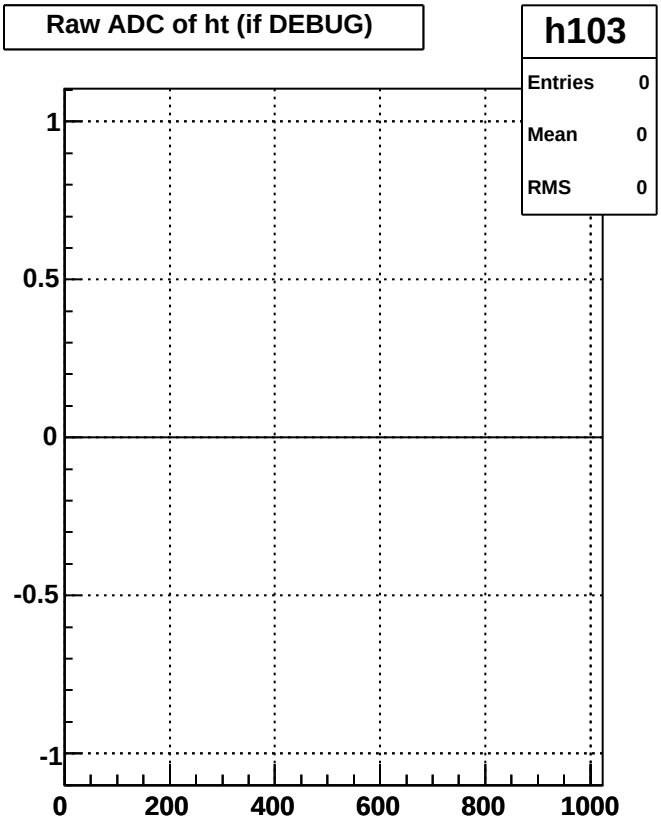

kTicks / input event
h115
Entries 16012
Mean 74.96
RMS 3.456
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

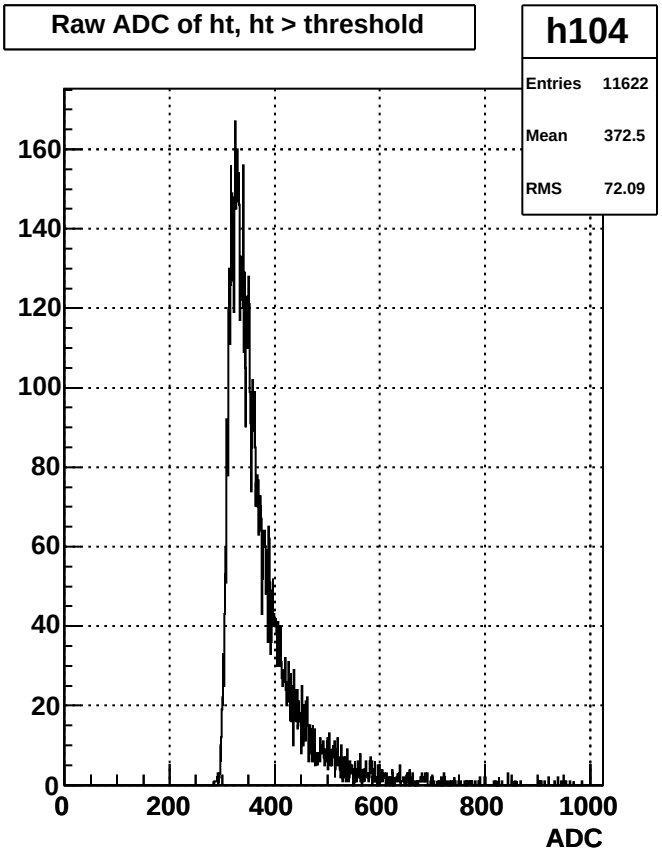

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 5843
Mean 2433
RMS 1414
120
100
80
60
40
20
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500

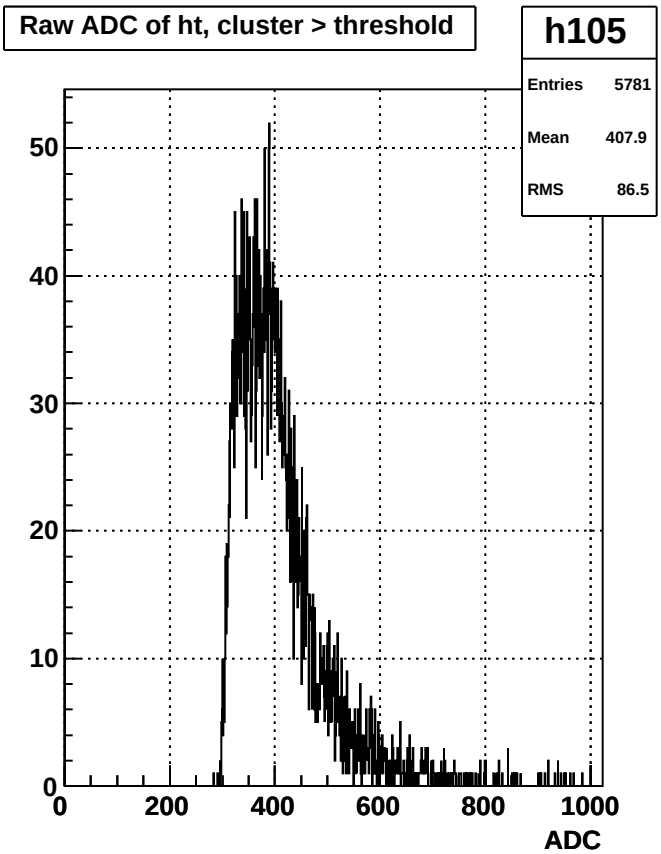

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 5781
Mean 2428
RMS 1414
120
100
80
60
40
20
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500

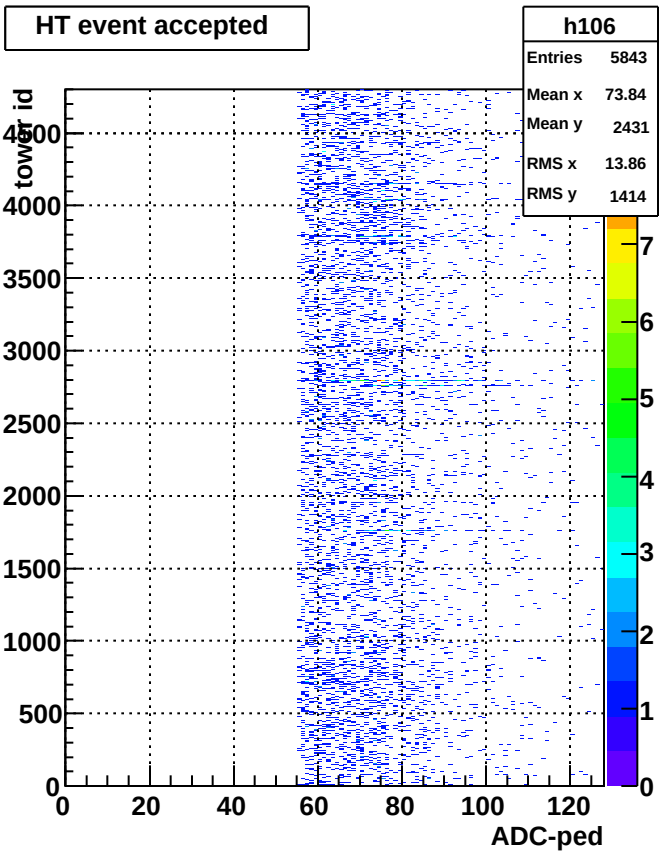

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.72
Mean y 60.29
RMS x 12.15
RMS y 35.33
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

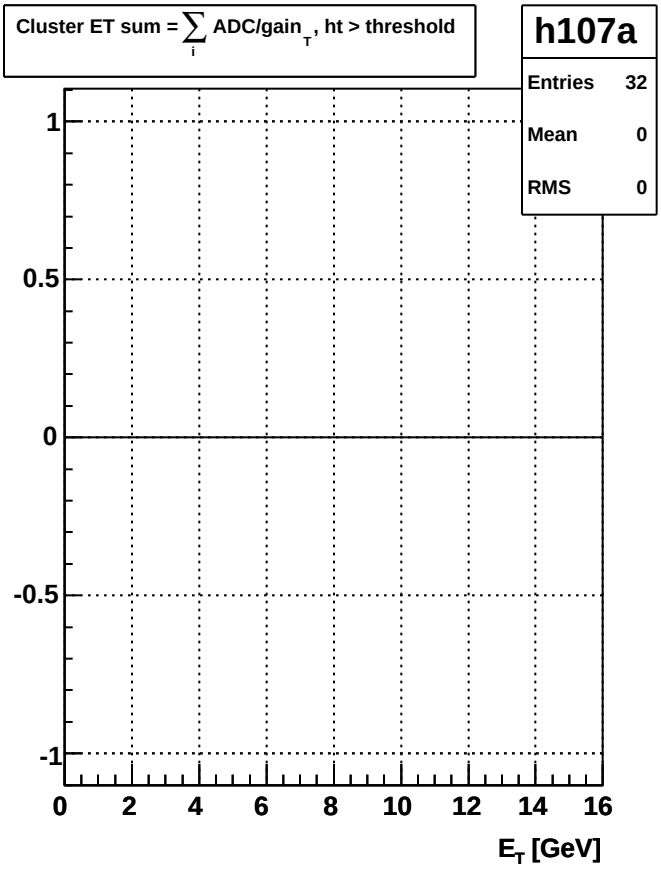

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.73
Mean y 60.18
RMS x 12.16
RMS y 35.32
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

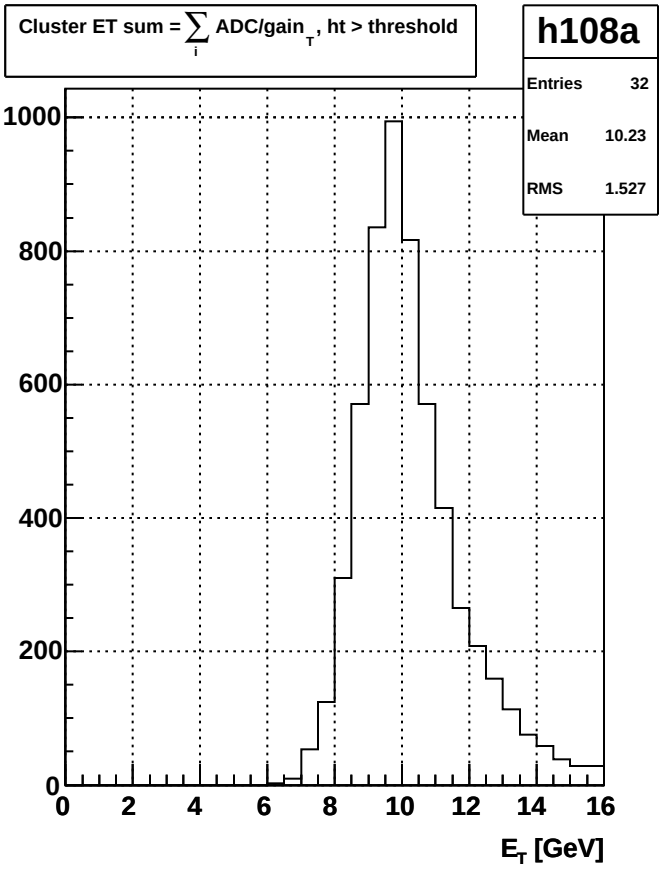

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

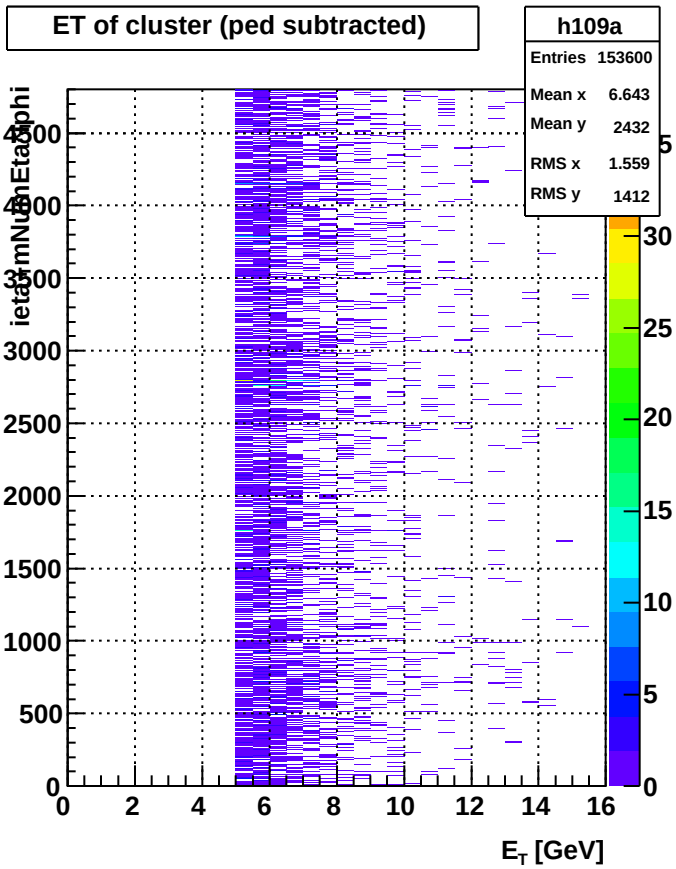

Raw ADC of ht, ht > threshold
h104
Entries 11622
Mean 372.5
RMS 72.09
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

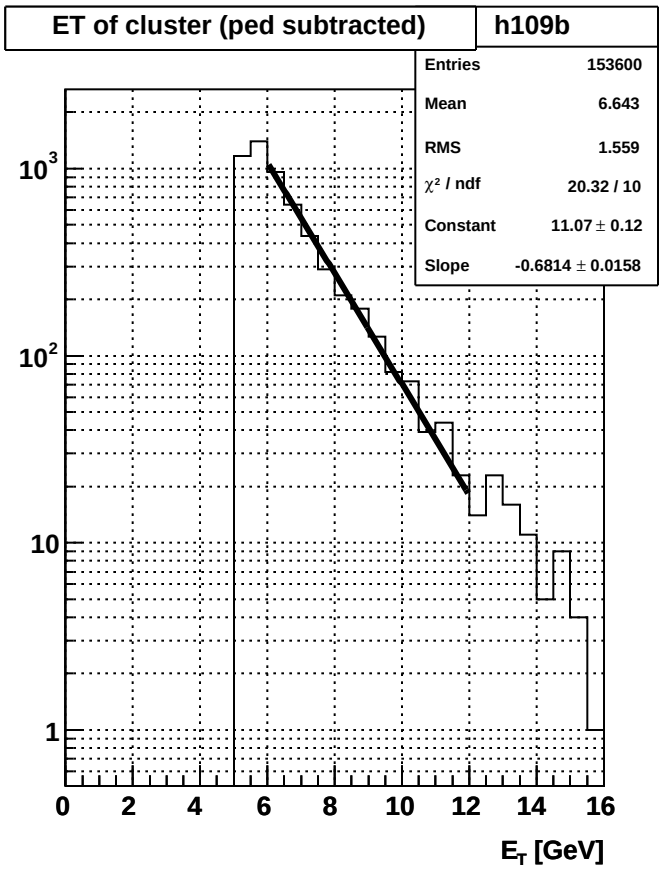

Raw ADC of ht, cluster > threshold
h105
Entries 5781
Mean 407.9
RMS 86.5
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 5843
Mean x 73.84
Mean y 2431
RMS x 13.86
RMS y 1414
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
7
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 10.23
RMS 1.527
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.643
Mean y 2432
RMS x 1.559
RMS y 1412
ietaNumEtaPhi
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.643
RMS 1.559
$\chi^2$ / ndf 20.32 / 10
Constant 11.07 ± 0.12
Slope -0.6814 ± 0.0158
$E_T$ [GeV]