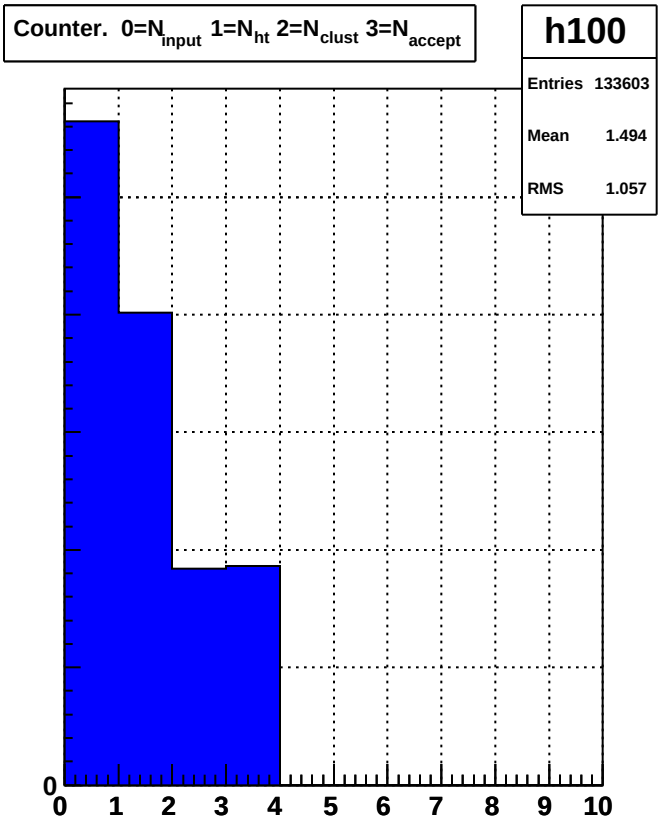
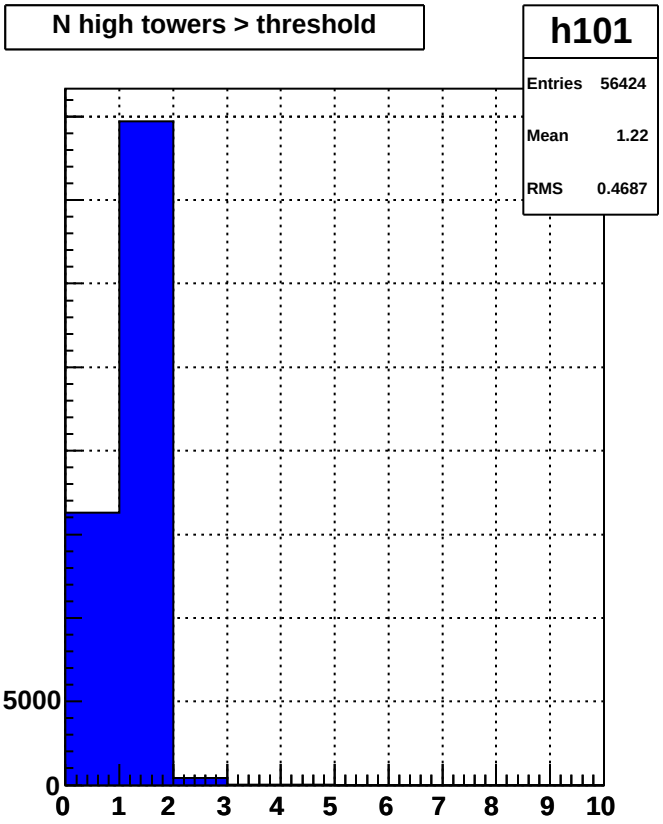
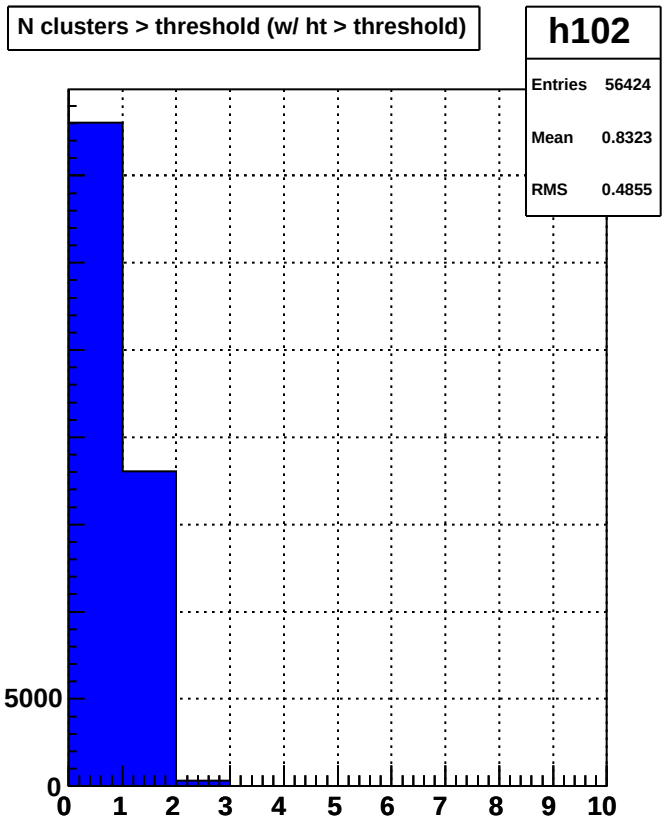
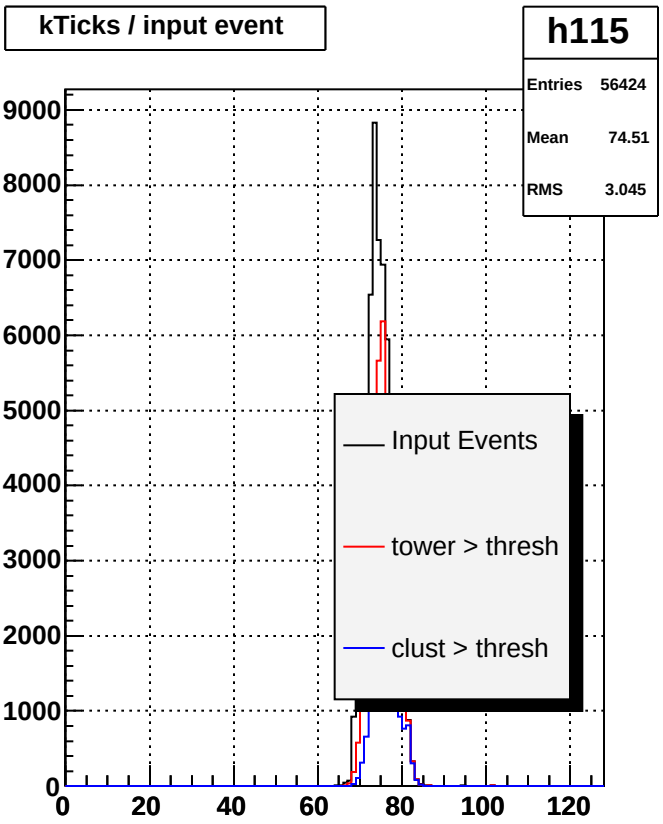
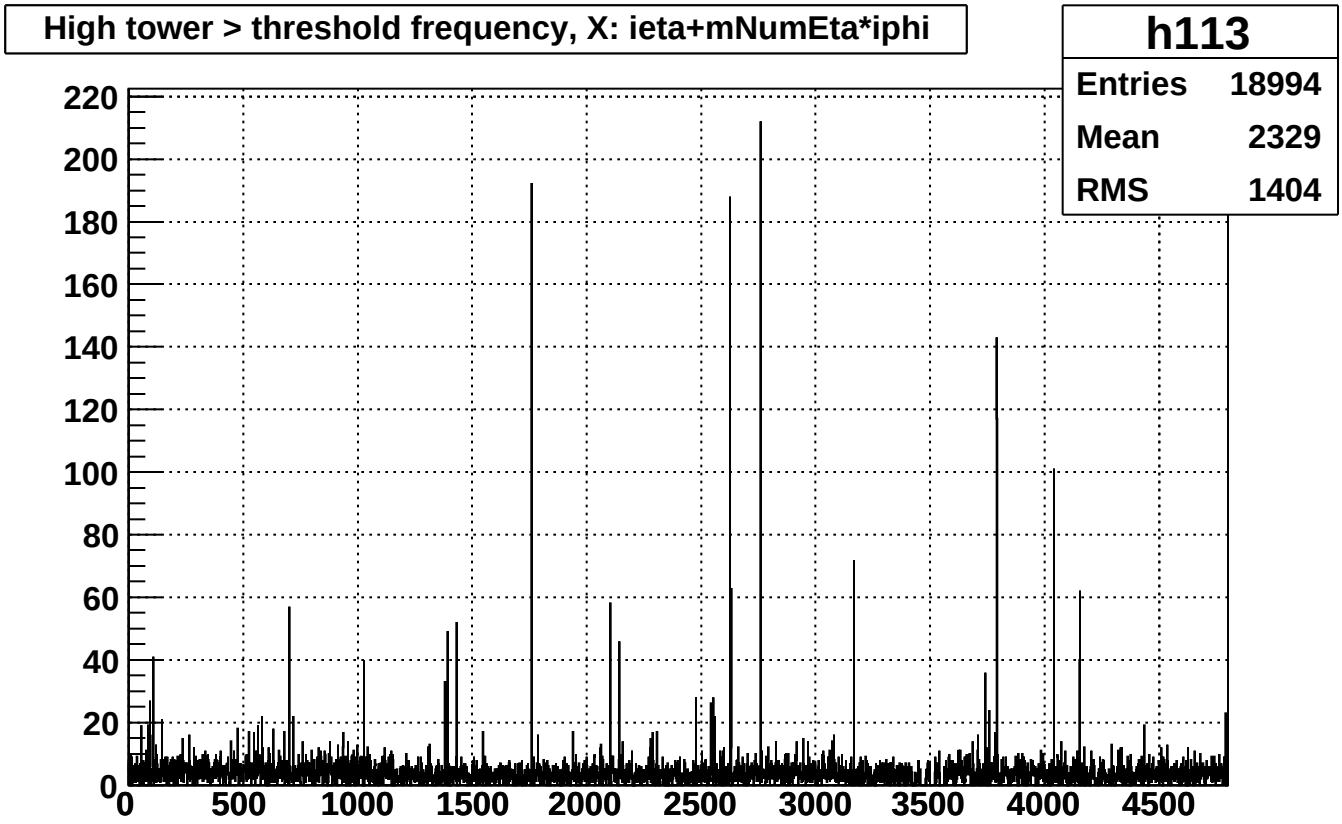
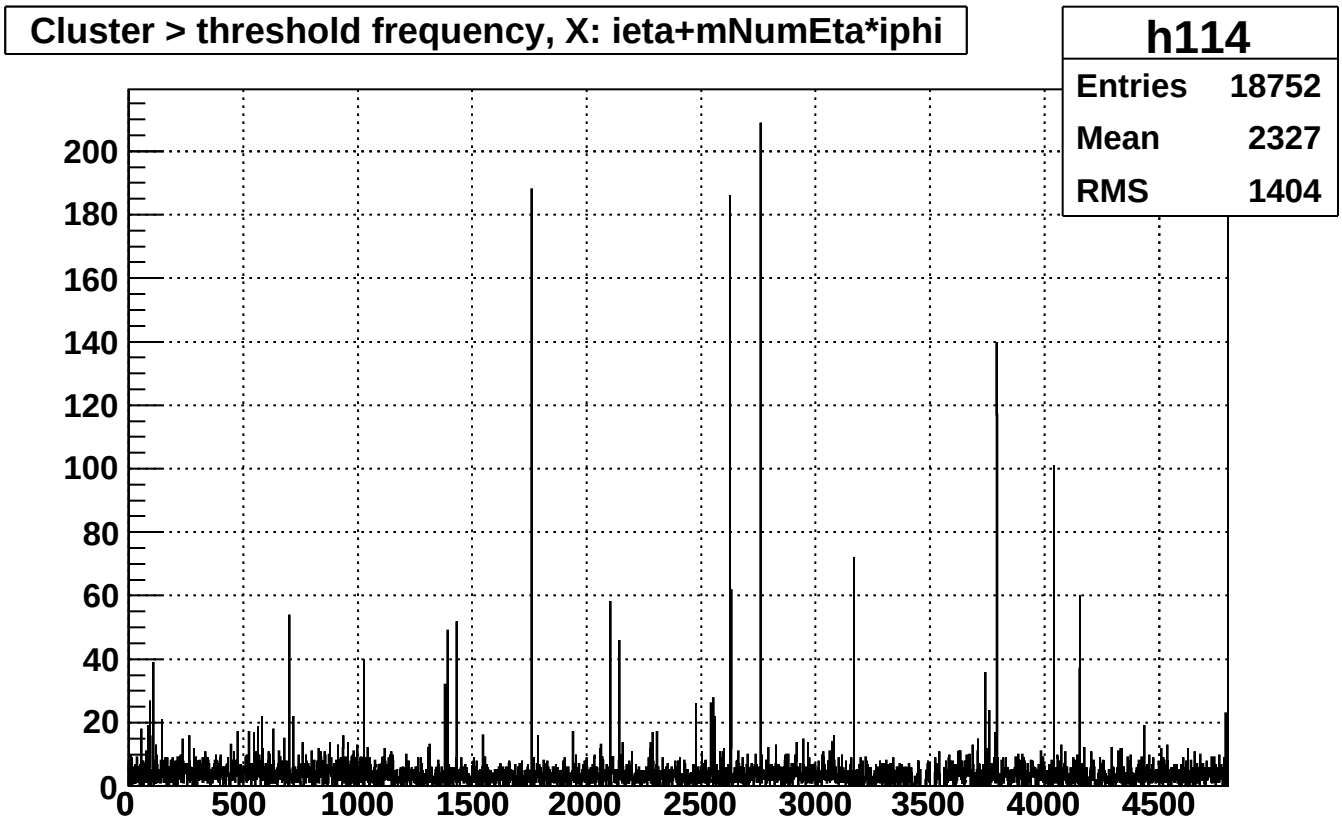

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 133603
Mean 1.494
RMS 1.057
0
0 1 2 3 4 5 6 7 8 9 10

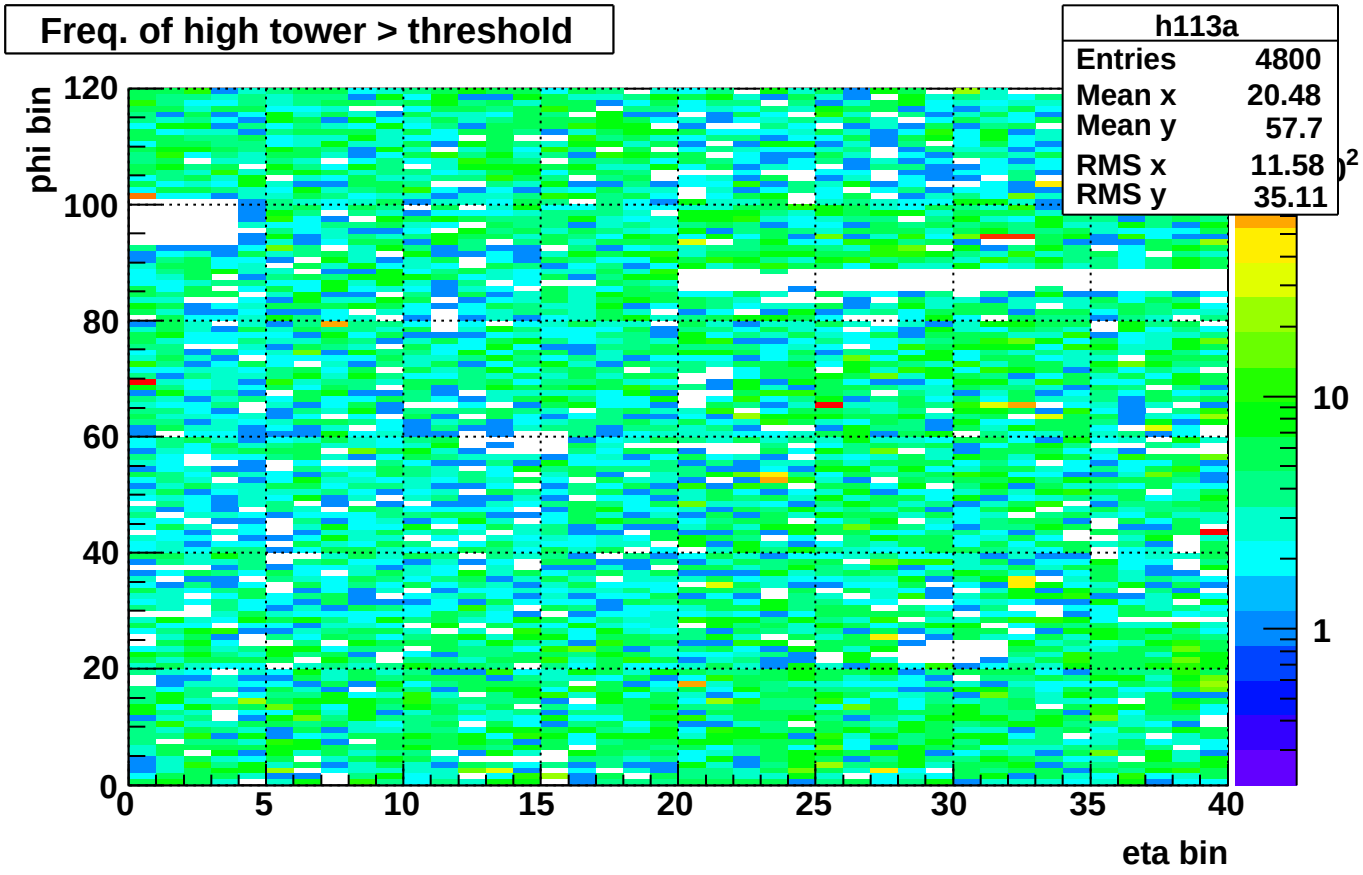

N high towers > threshold
h101
Entries 56424
Mean 1.22
RMS 0.4687
5000
0
0 1 2 3 4 5 6 7 8 9 10

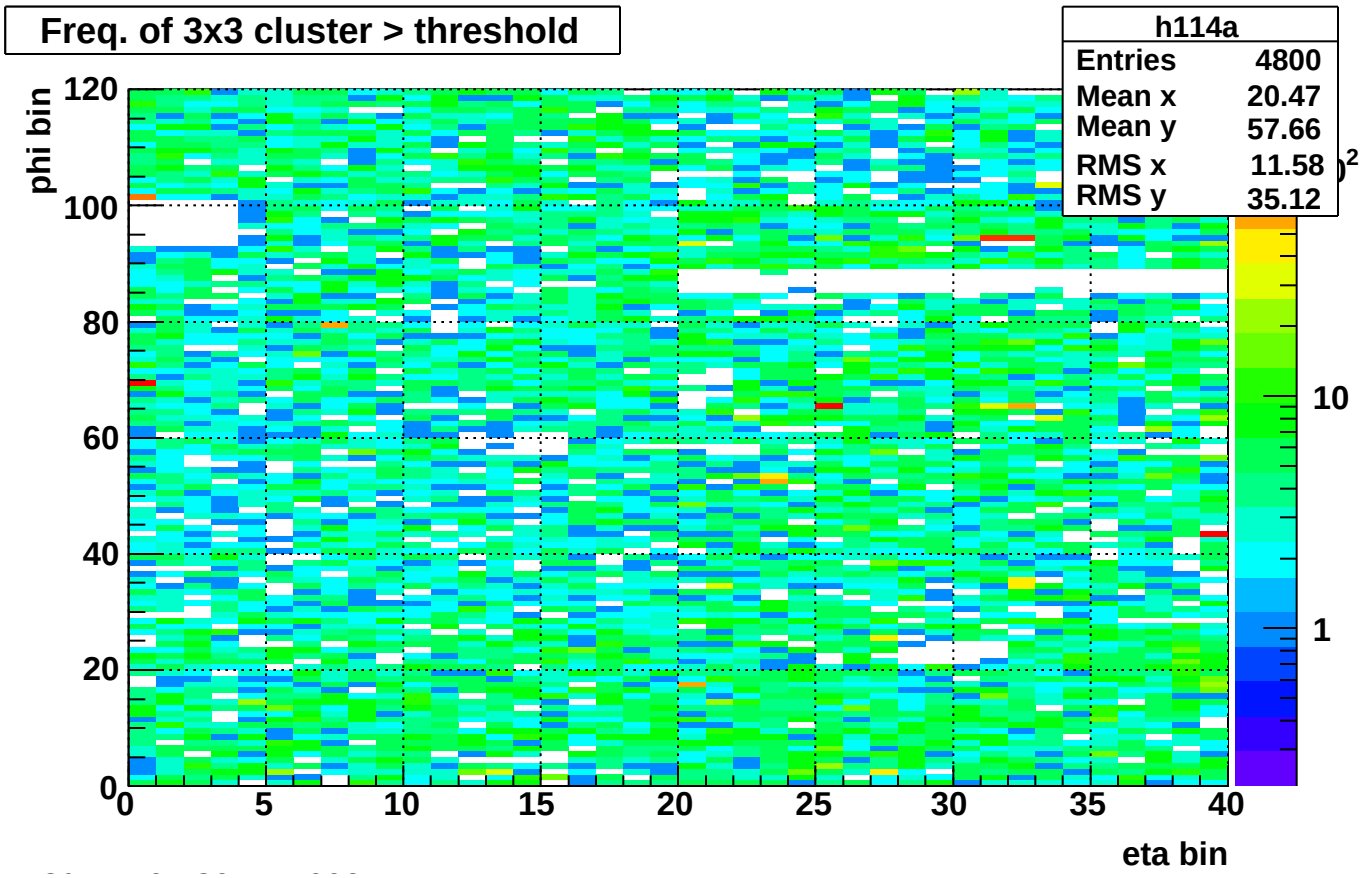

N clusters > threshold (w/ ht > threshold)
h102
Entries 56424
Mean 0.8323
RMS 0.4855
5000
0
0 1 2 3 4 5 6 7 8 9 10

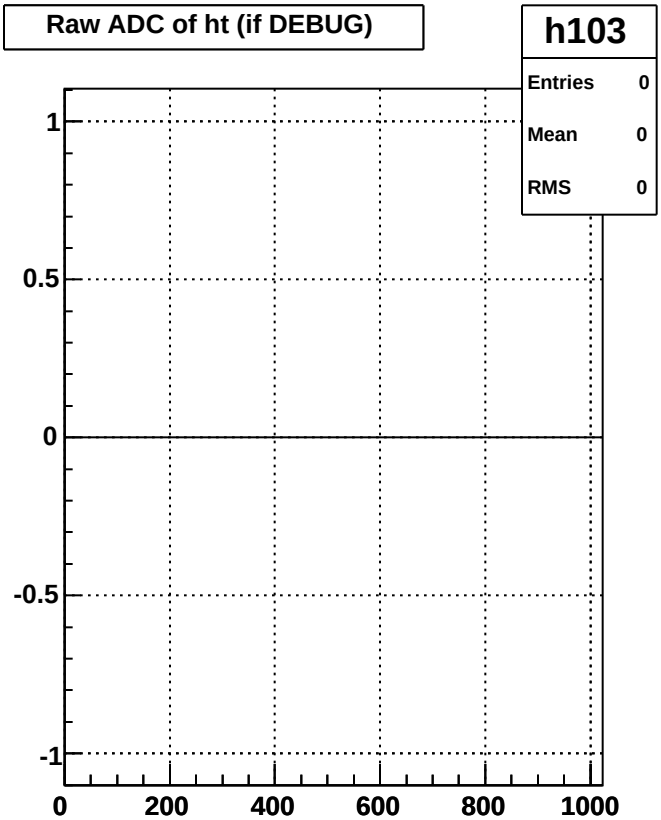

kTicks / input event
h115
Entries 56424
Mean 74.51
RMS 3.045
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

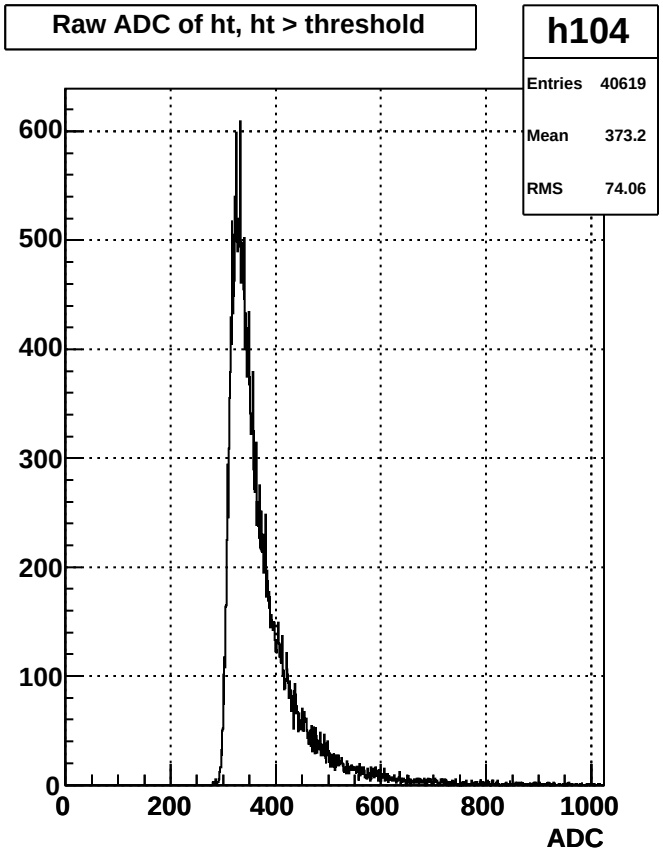

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 18994
Mean 2329
RMS 1404
0
20
40
60
80
100
120
140
160
180
200
220
0
500
1000
1500
2000
2500
3000
3500
4000
4500

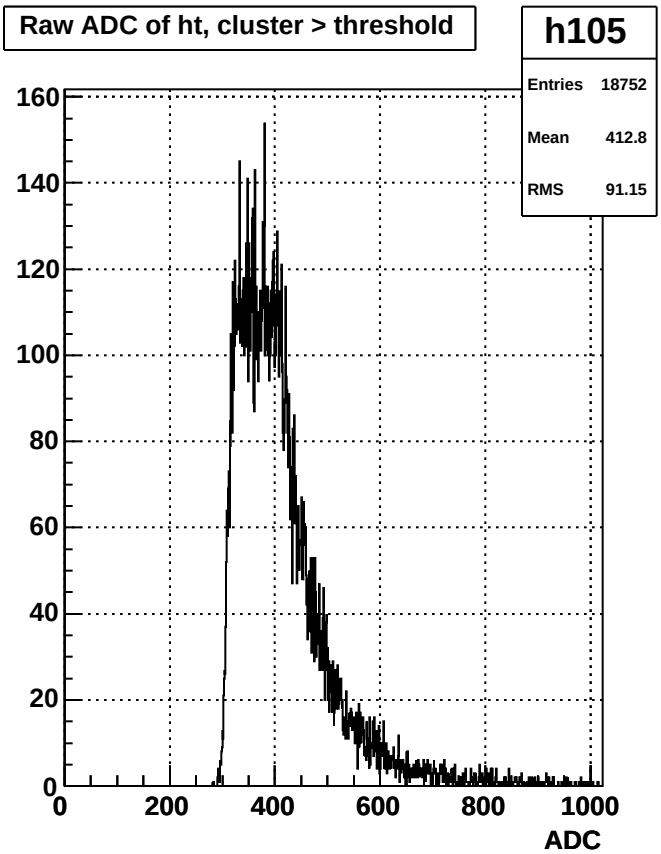

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 18752
Mean 2327
RMS 1404
0
20
40
60
80
100
120
140
160
180
200
0
500
1000
1500
2000
2500
3000
3500
4000
4500

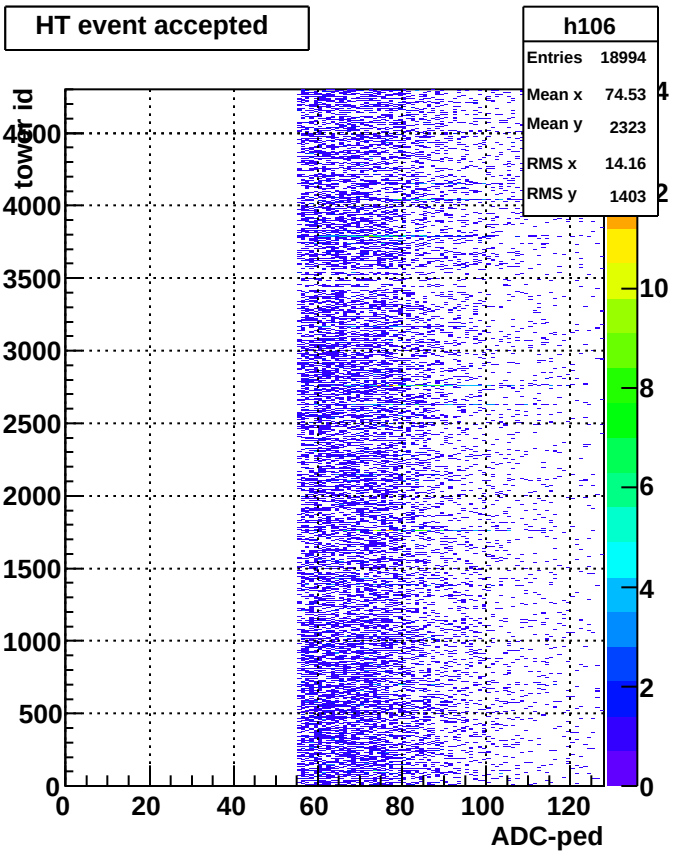

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.48
Mean y 57.7
RMS x 11.58
RMS y 35.11
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

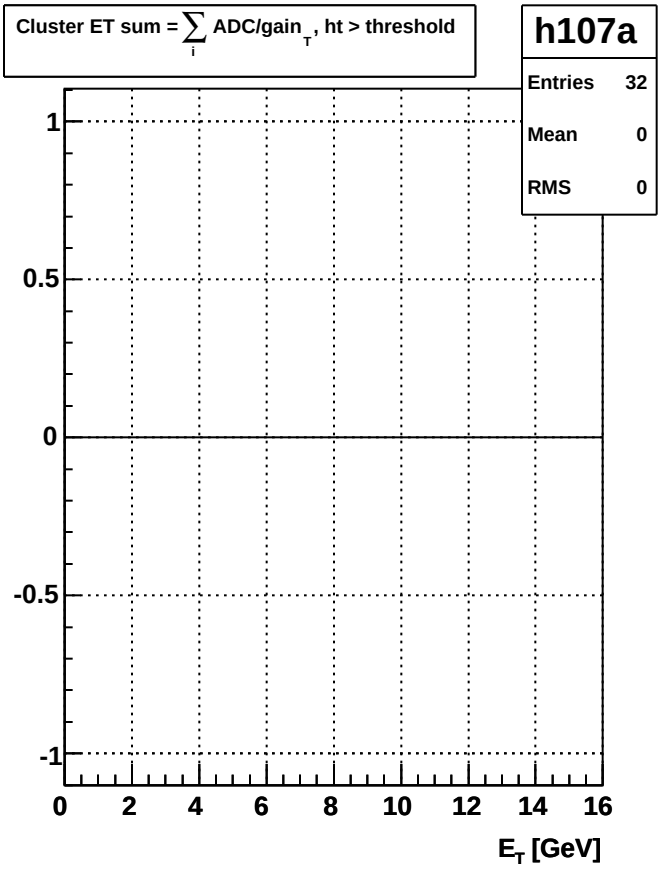

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.47
Mean y 57.66
RMS x 11.58
RMS y 35.12
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

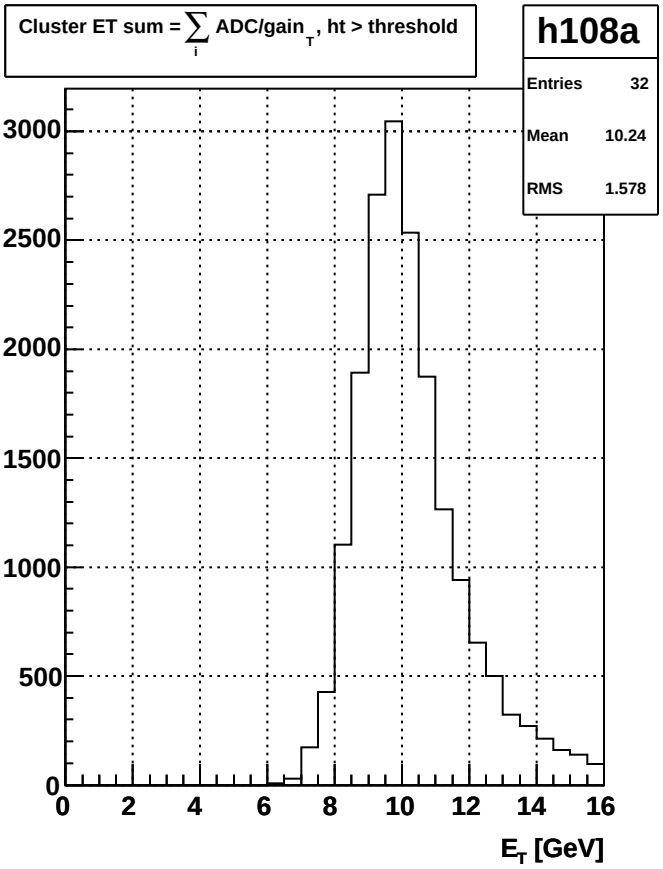

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

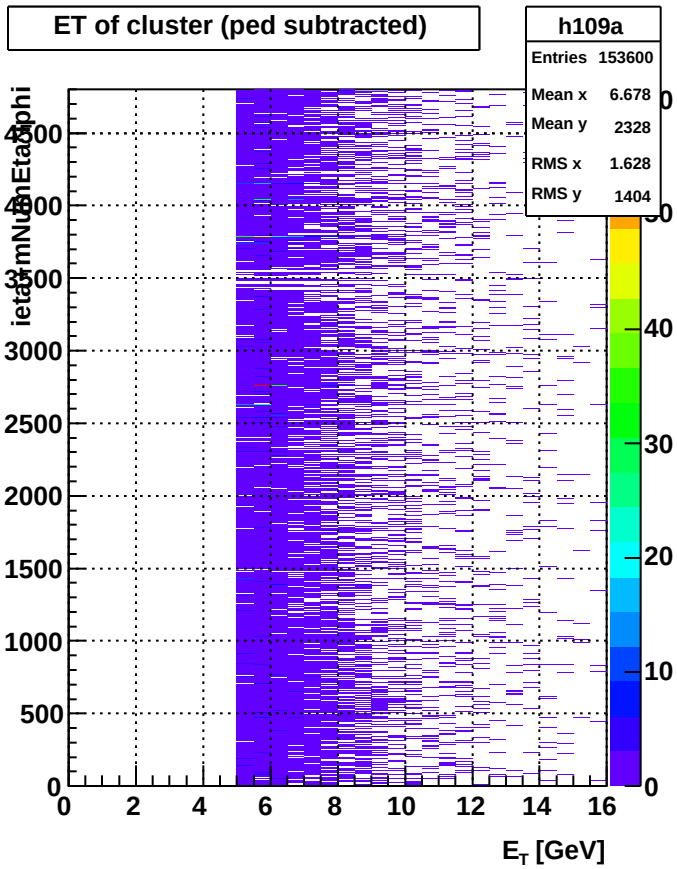

Raw ADC of ht, ht > threshold
h104
Entries 40619
Mean 373.2
RMS 74.06
600
500
400
300
200
100
0
0
200
400
600
800
1000
ADC

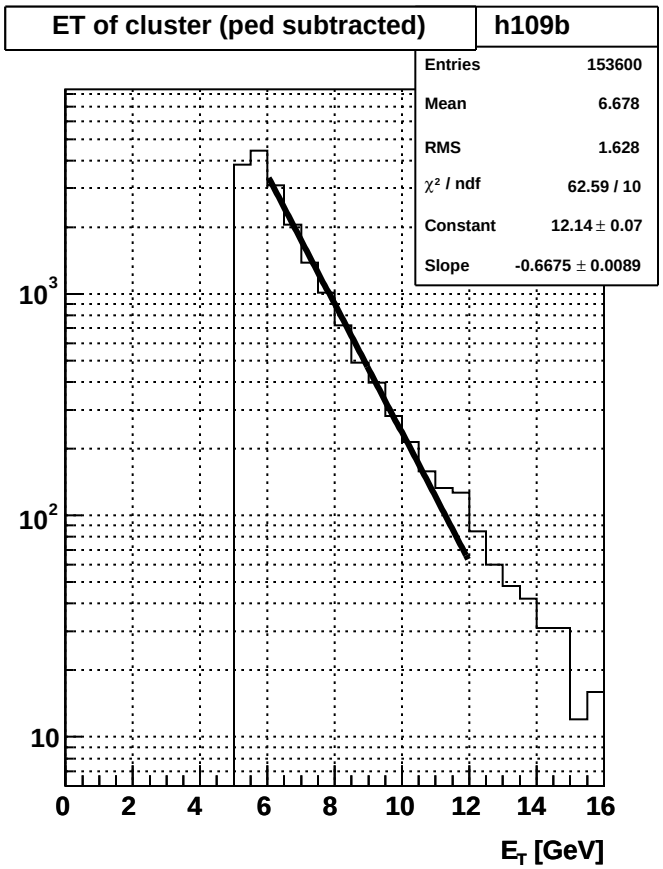

Raw ADC of ht, cluster > threshold
h105
Entries 18752
Mean 412.8
RMS 91.15
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 18994
Mean x 74.53
Mean y 2323
RMS x 14.16
RMS y 1403
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
10
8
6
4
2
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 10.24
RMS 1.578
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.678
Mean y 2328
RMS x 1.628
RMS y 1404
ietaNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.678
RMS 1.628
χ^2 / ndf 62.59 / 10
Constant 12.14 ± 0.07
Slope -0.6675 ± 0.0089
E_T [GeV]