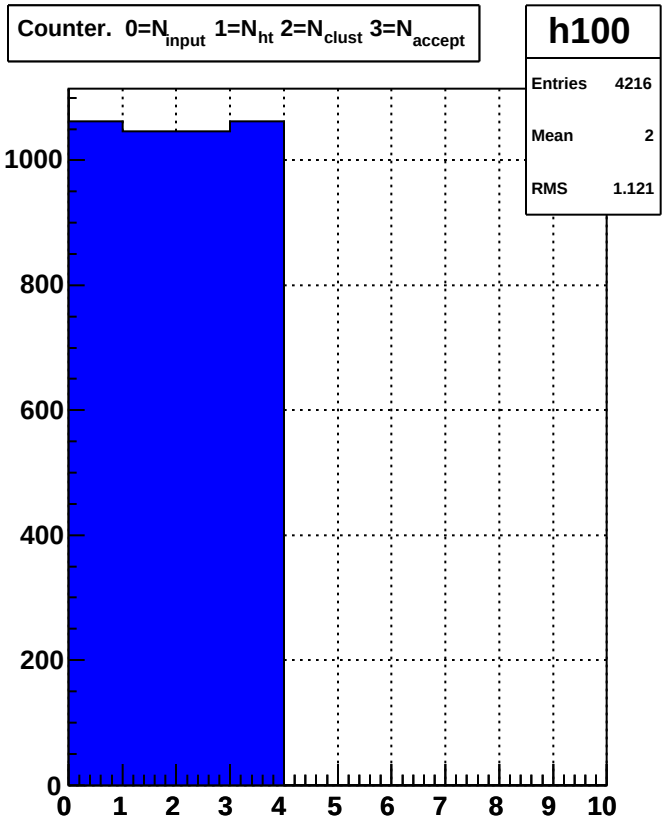
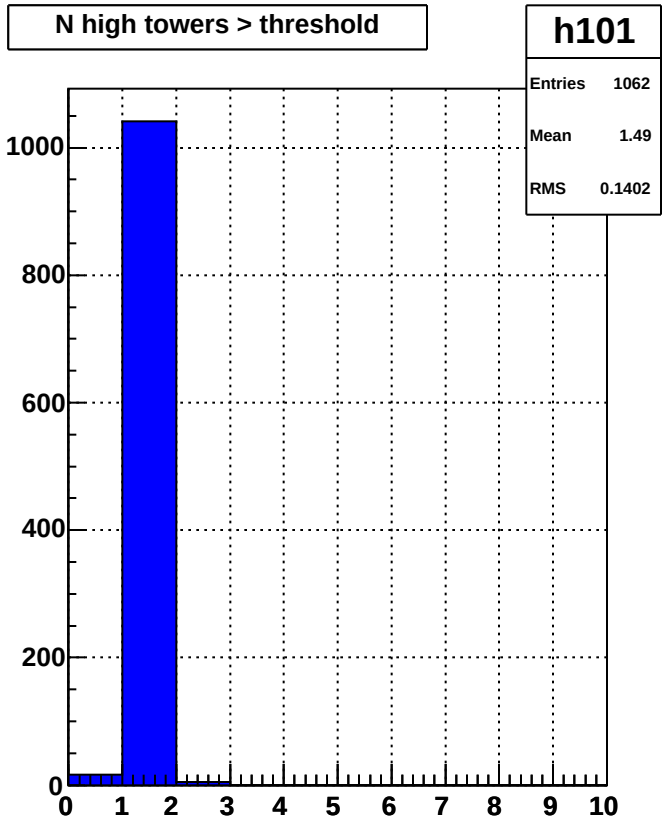
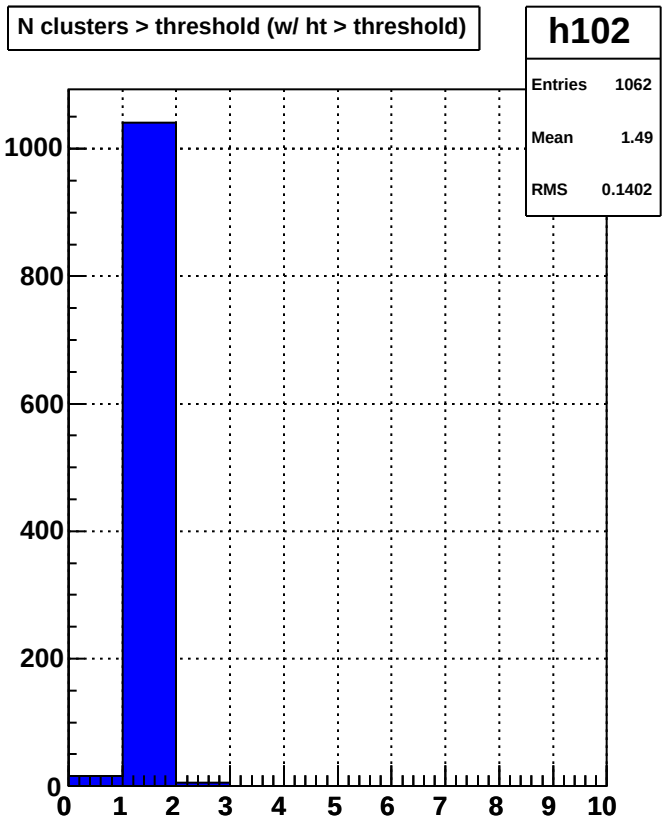
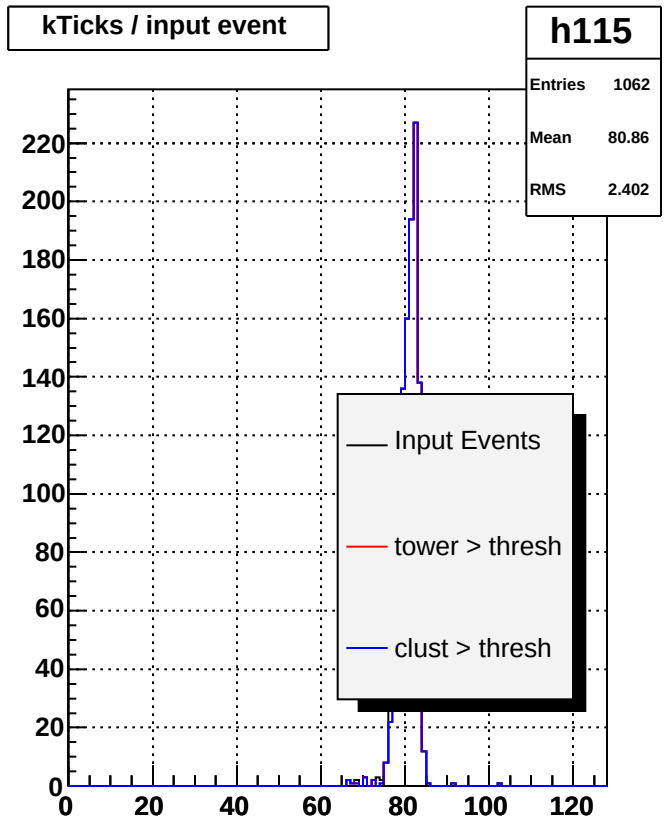
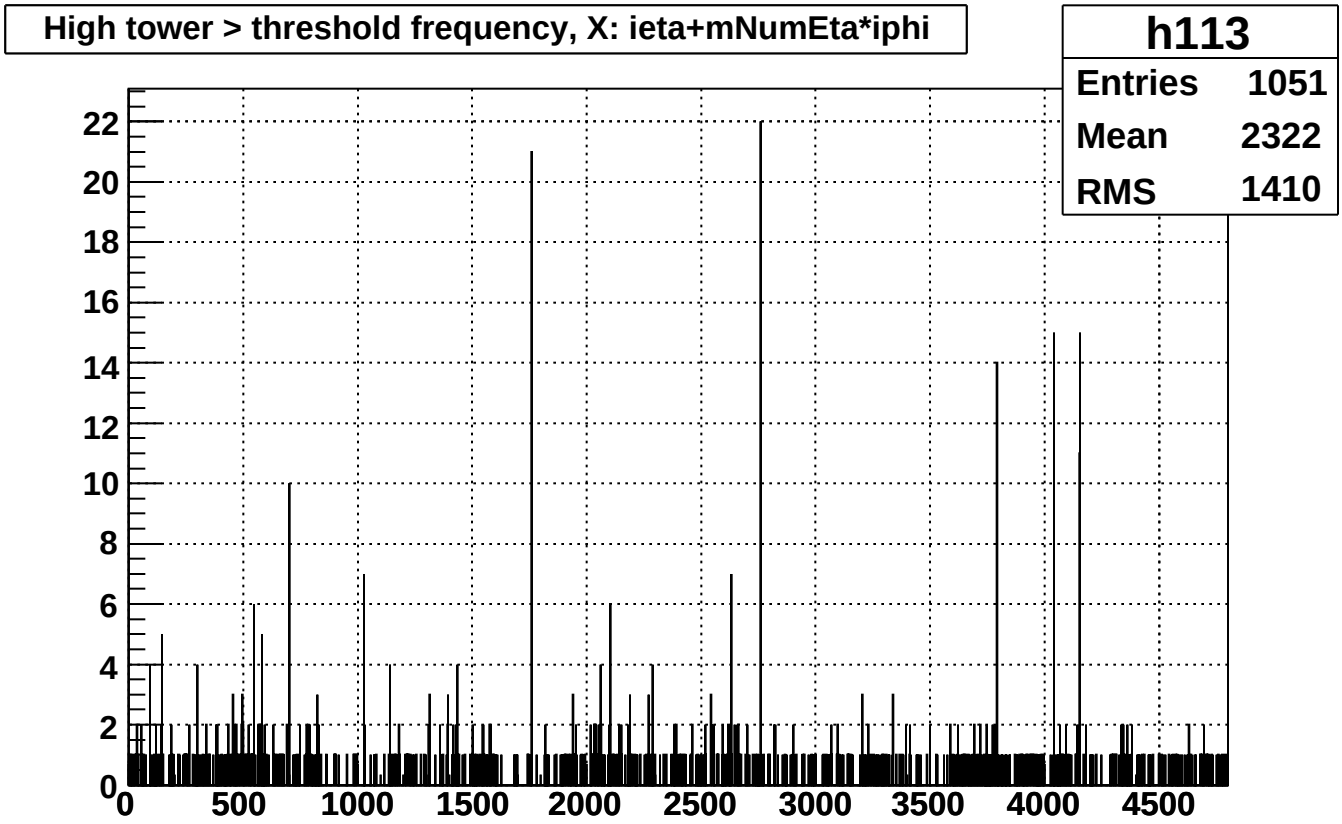
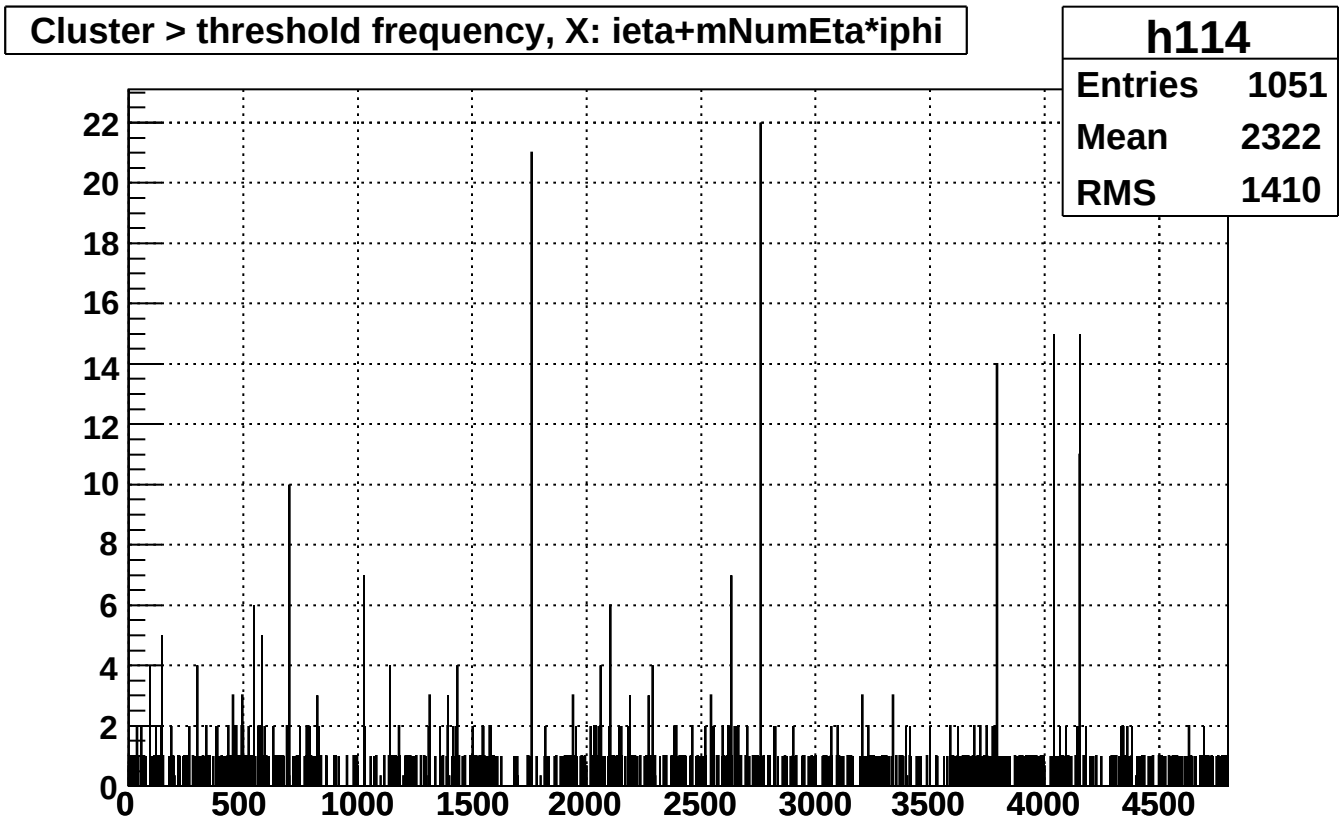

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 4216
Mean 2
RMS 1.121

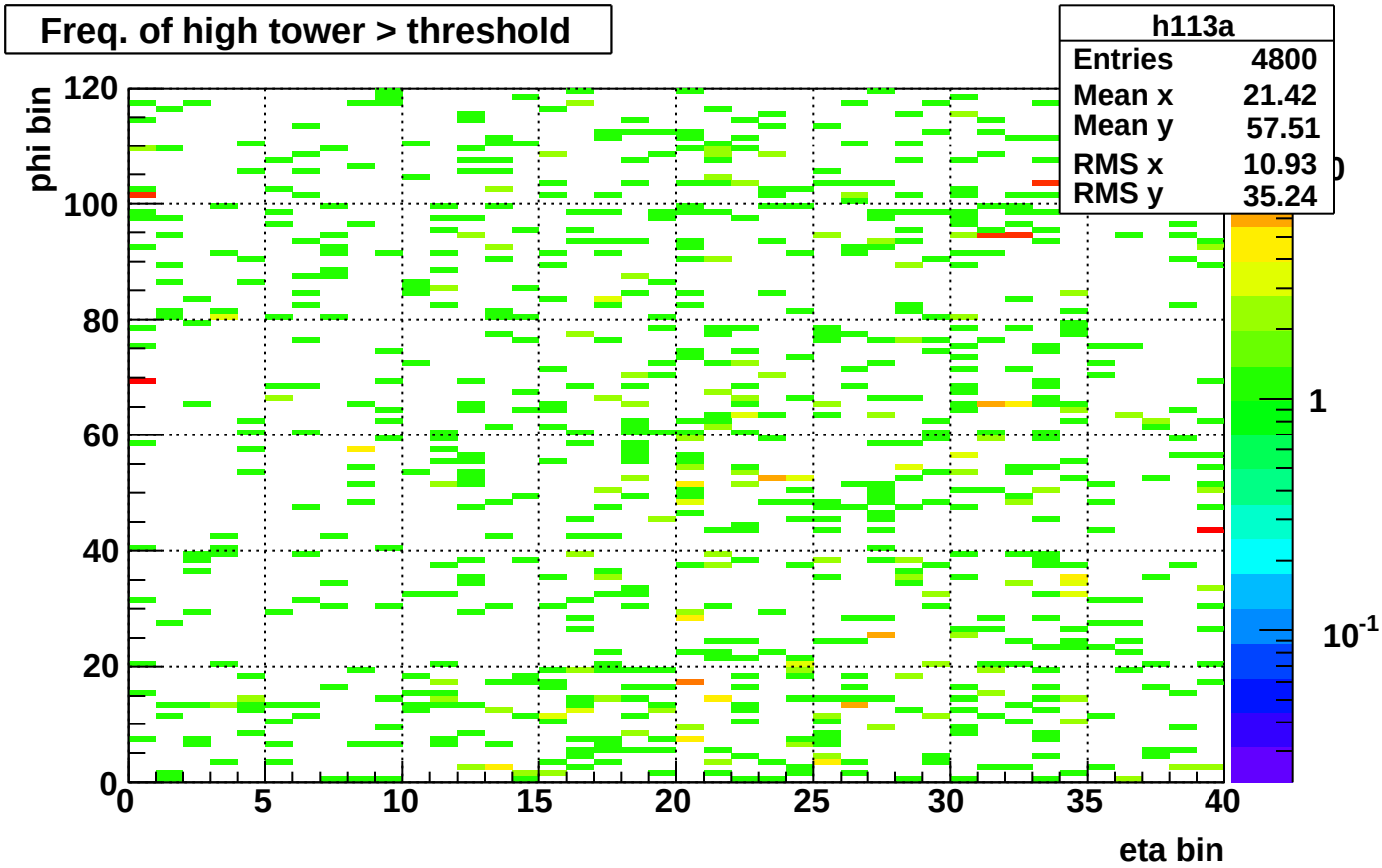

N high towers > threshold
h101
Entries 1062
Mean 1.49
RMS 0.1402

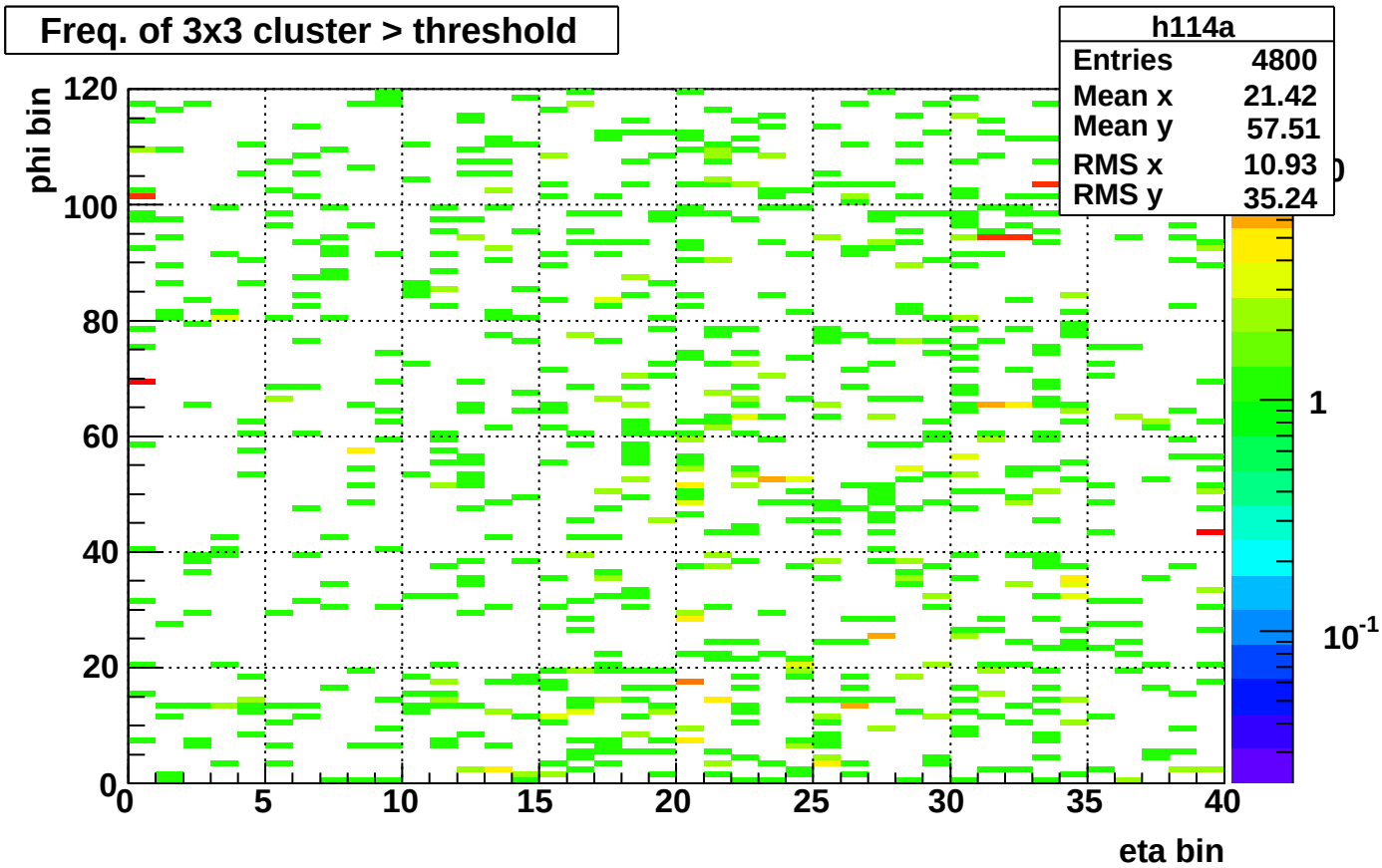

N clusters > threshold (w/ ht > threshold)
h102
Entries 1062
Mean 1.49
RMS 0.1402

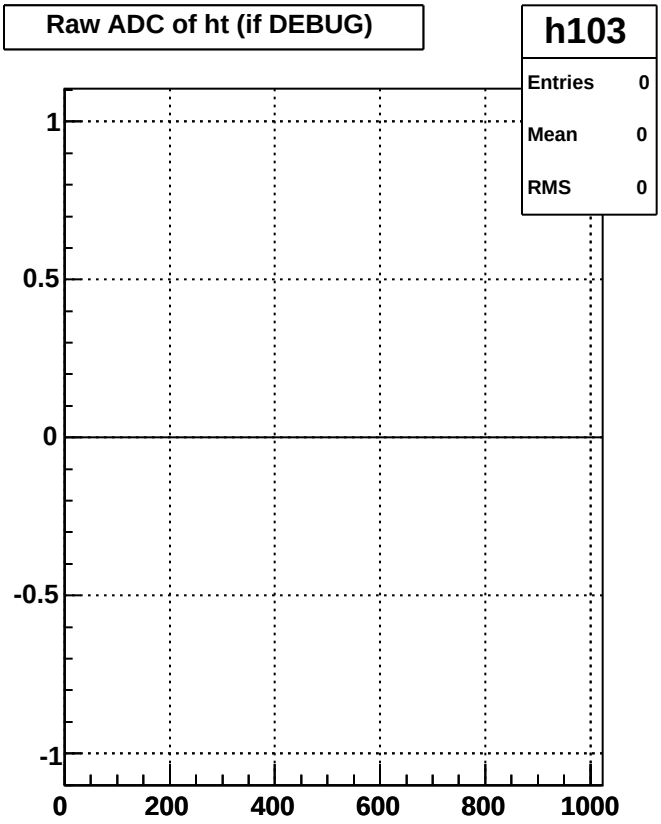

kTicks / input event
h115
Entries 1062
Mean 80.86
RMS 2.402
Input Events
tower > thresh
clust > thresh

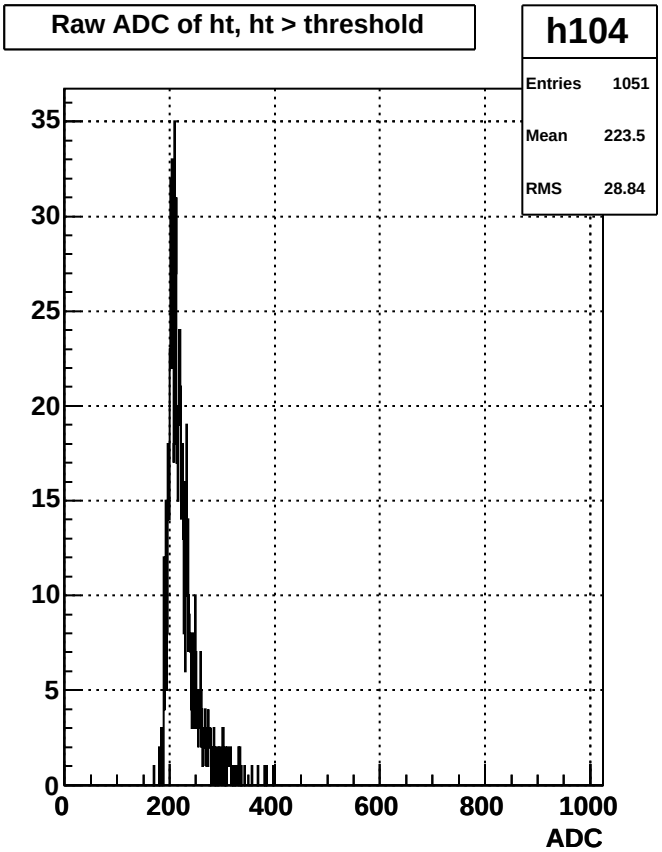

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1051
Mean 2322
RMS 1410
0
2
4
6
8
10
12
14
16
18
20
22
0
500
1000
1500
2000
2500
3000
3500
4000
4500

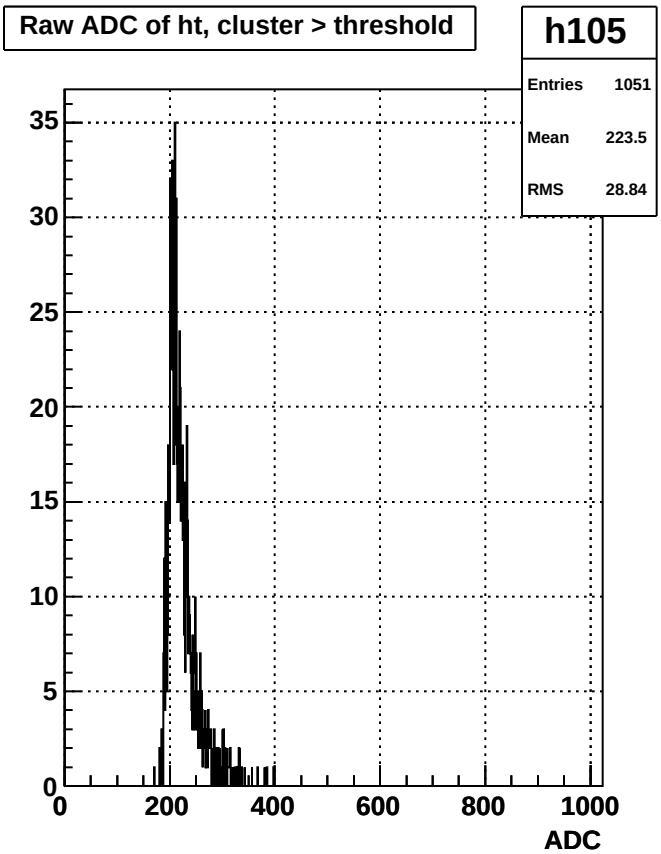

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1051
Mean 2322
RMS 1410
0
2
4
6
8
10
12
14
16
18
20
22
0
500
1000
1500
2000
2500
3000
3500
4000
4500

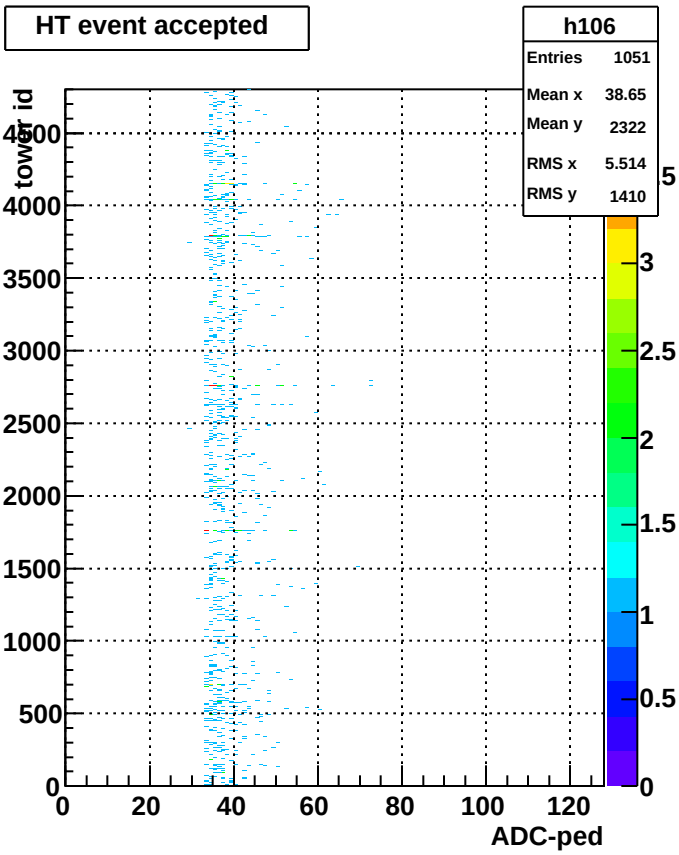

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 21.42
Mean y 57.51
RMS x 10.93
RMS y 35.24
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
$10^{-1}$

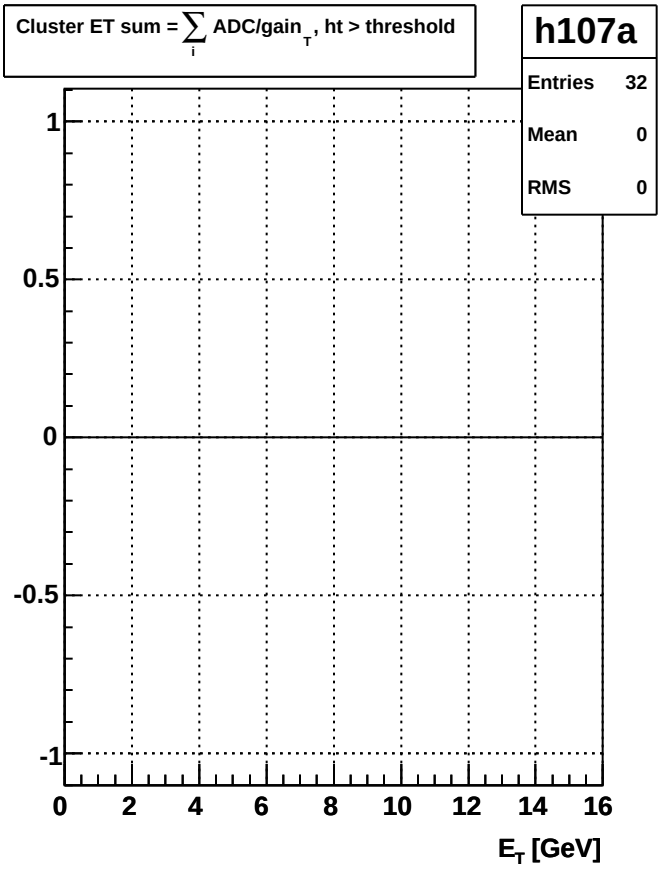

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 21.42
Mean y 57.51
RMS x 10.93
RMS y 35.24
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
$10^{-1}$

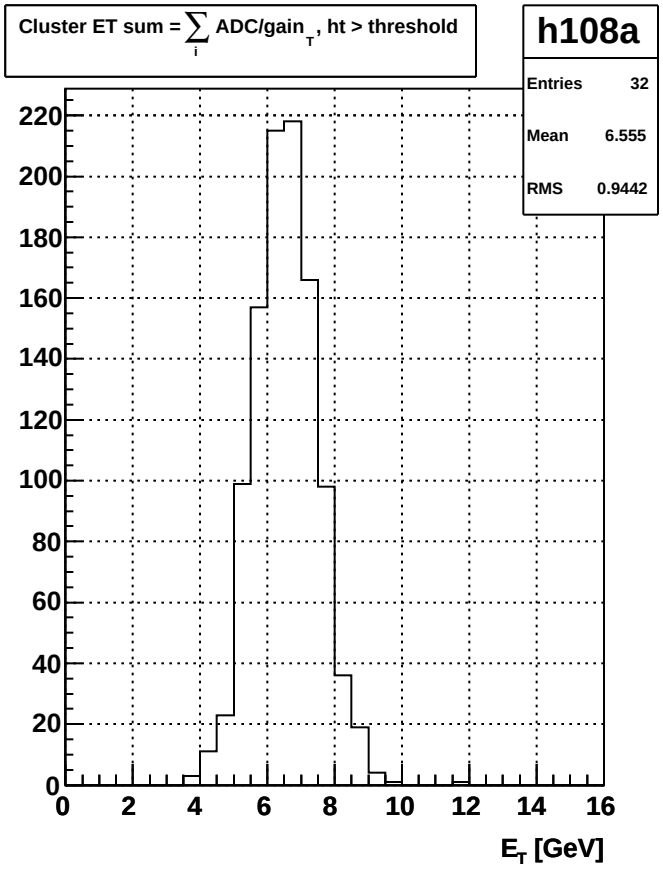

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

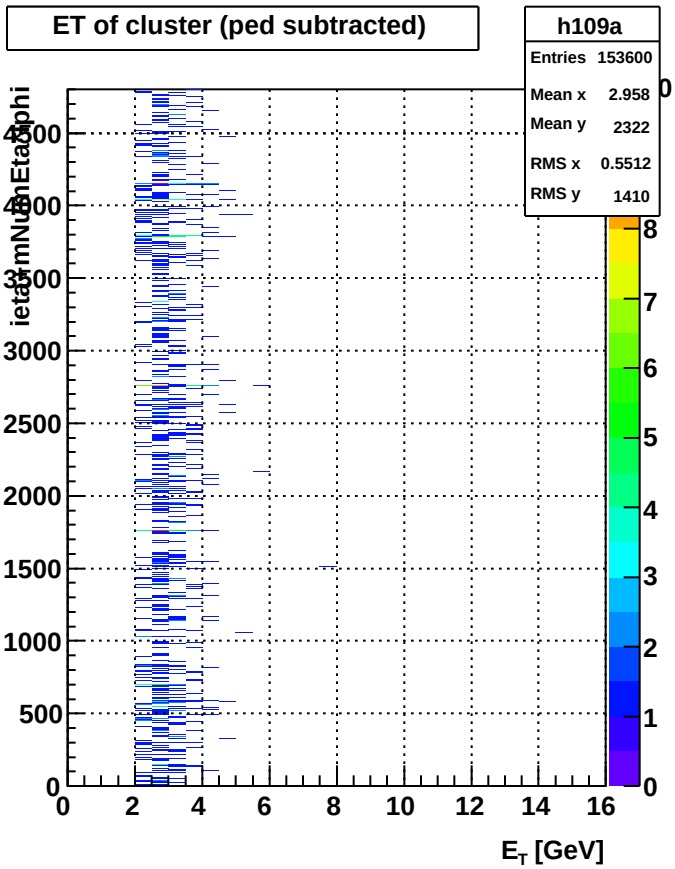

Raw ADC of ht, ht > threshold
h104
Entries 1051
Mean 223.5
RMS 28.84
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC

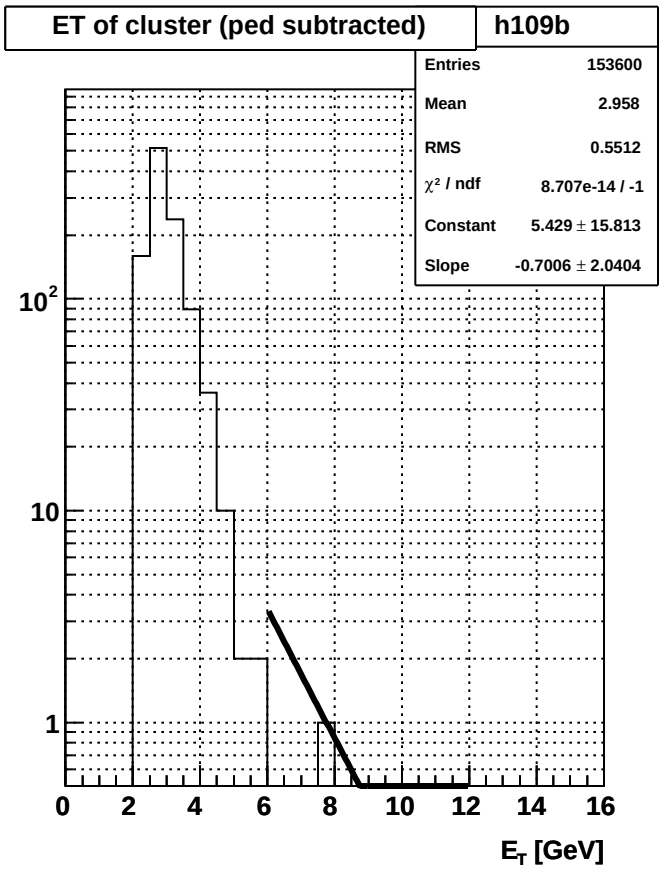

Raw ADC of ht, cluster > threshold
h105
Entries 1051
Mean 223.5
RMS 28.84
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1051
Mean x 38.65
Mean y 2322
RMS x 5.514
RMS y 1410
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
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 6.555
RMS 0.9442
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 2.958
Mean y 2322
RMS x 0.5512
RMS y 1410
ietaNumEtaPhi
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 2.958
RMS 0.5512
$\chi^2$ / ndf 8.707e-14 / -1
Constant 5.429 ± 15.813
Slope -0.7006 ± 2.0404
$E_T$ [GeV]