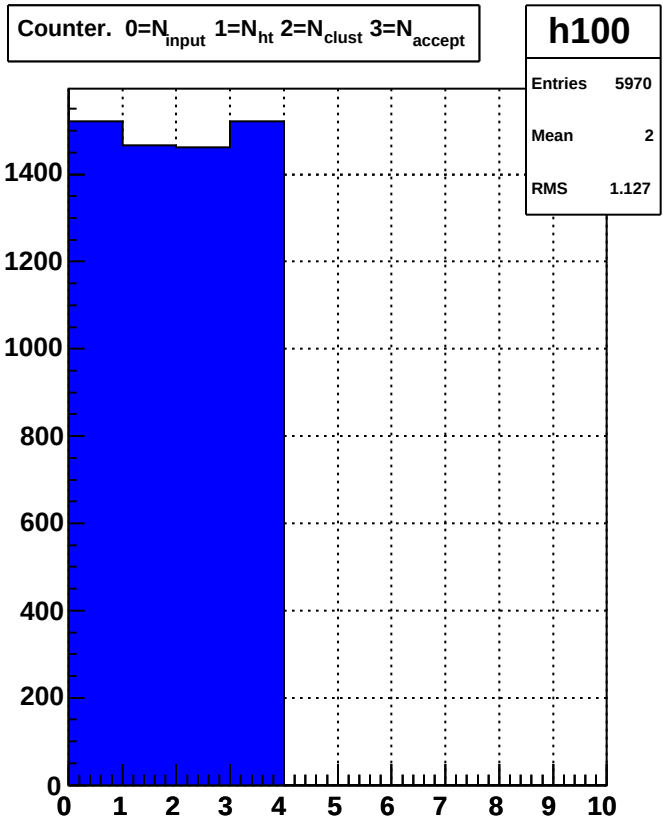
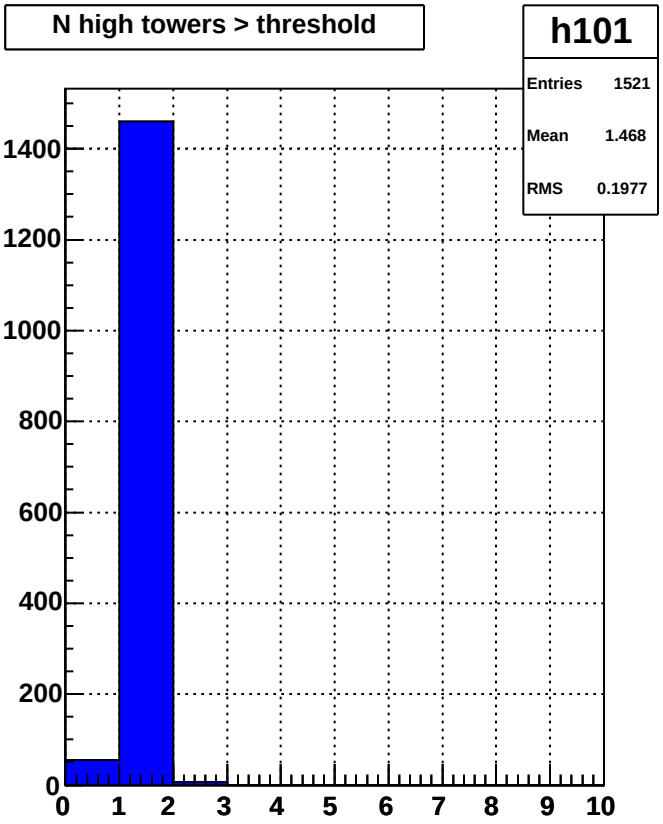
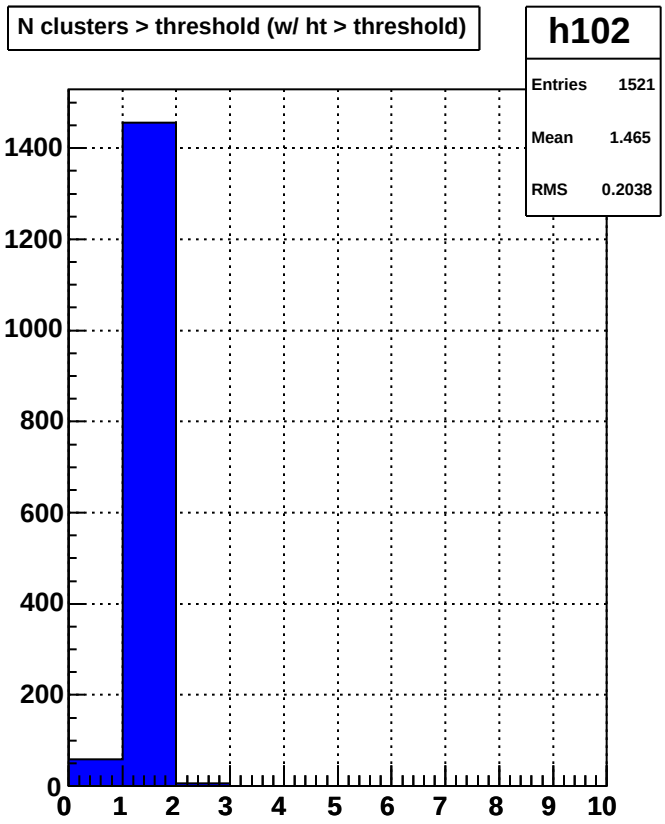
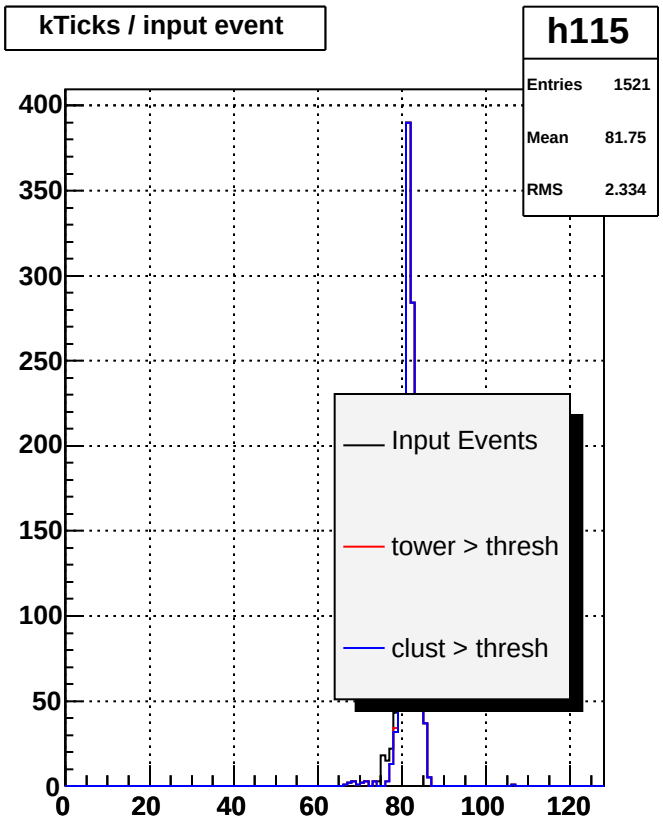
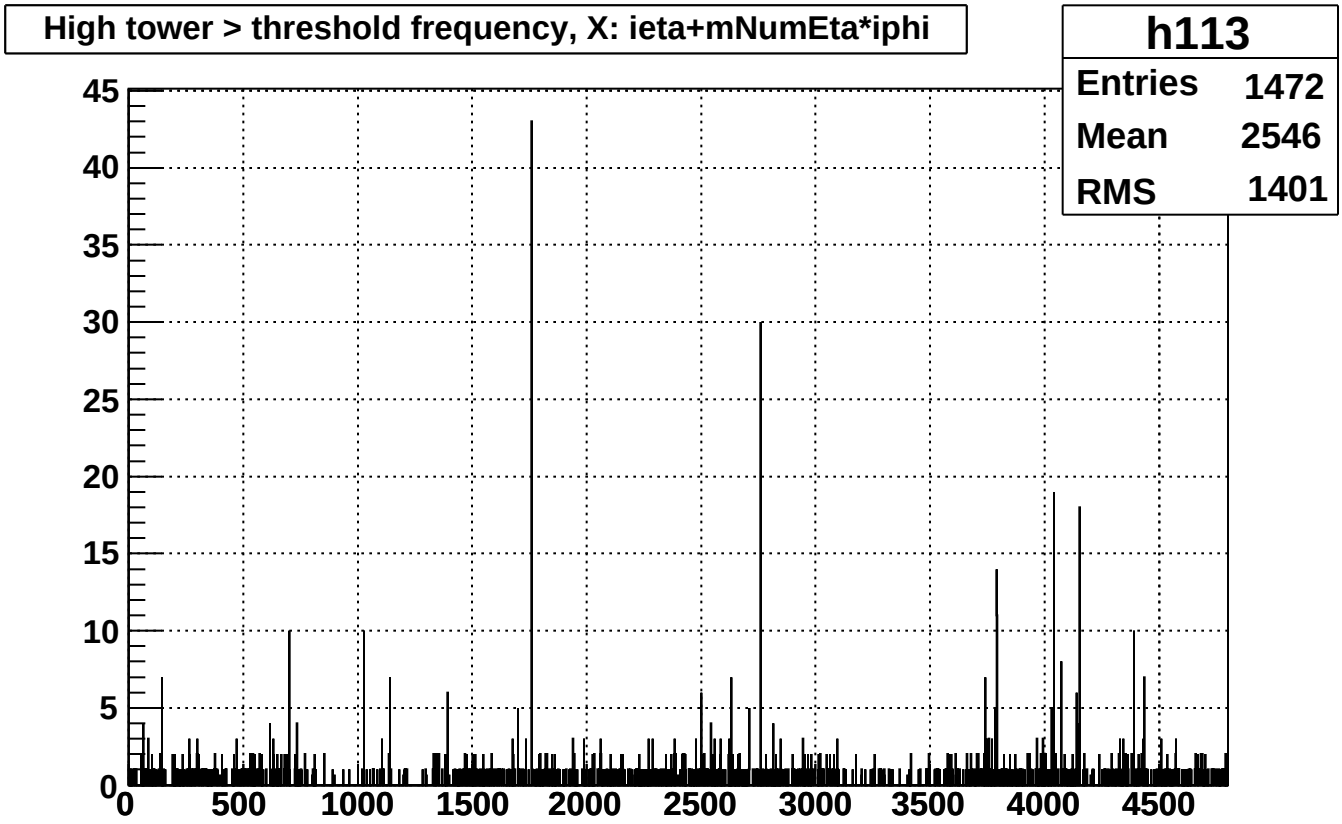
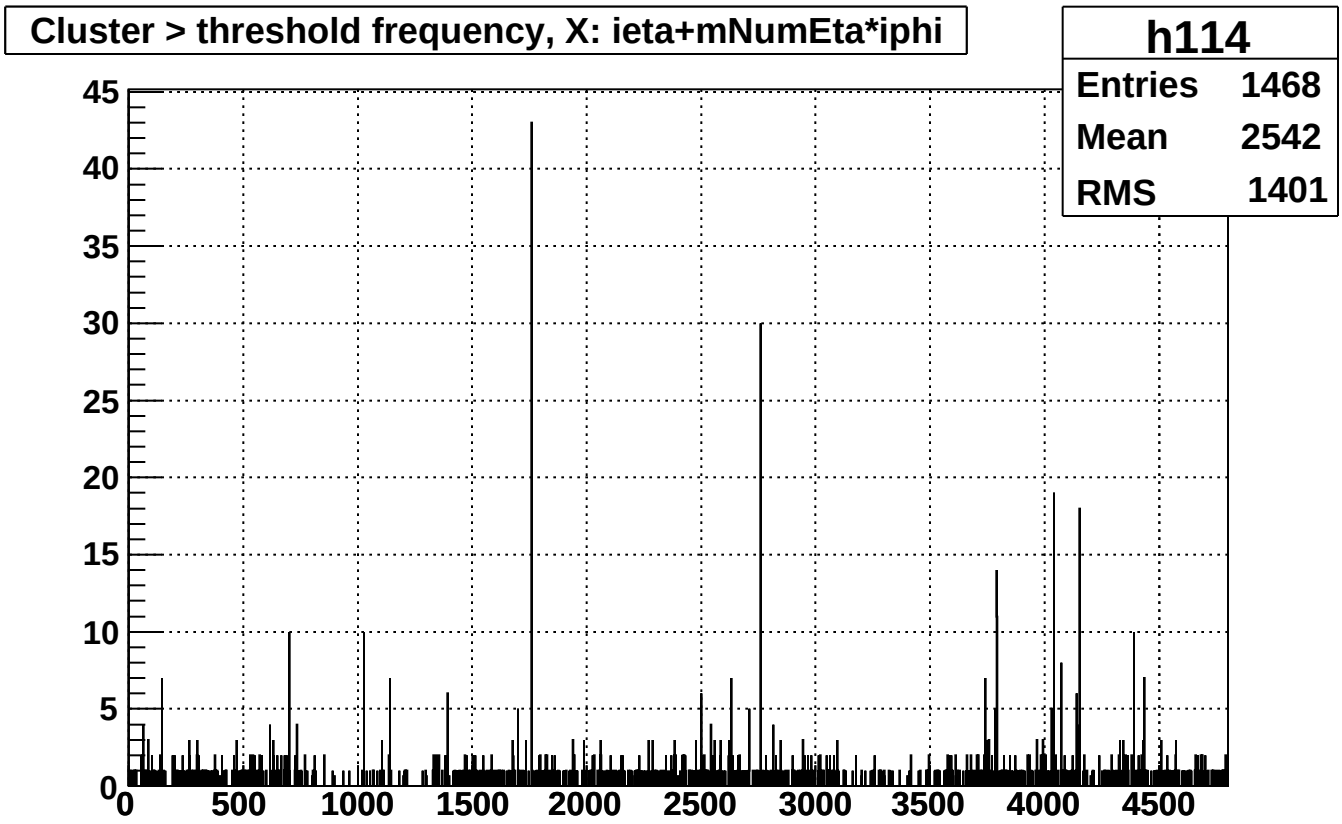

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 5970
Mean 2
RMS 1.127

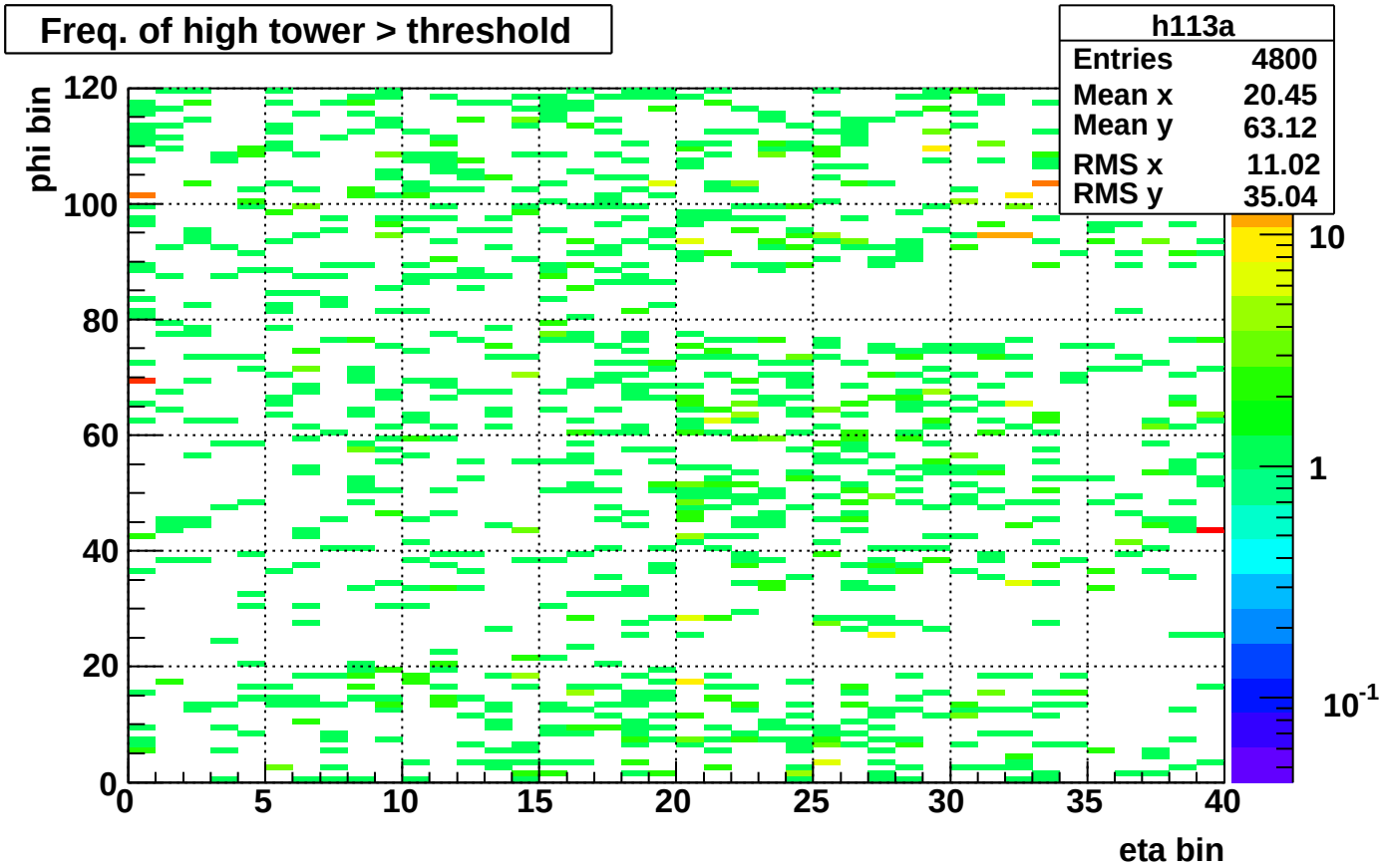

N high towers > threshold
h101
Entries 1521
Mean 1.468
RMS 0.1977

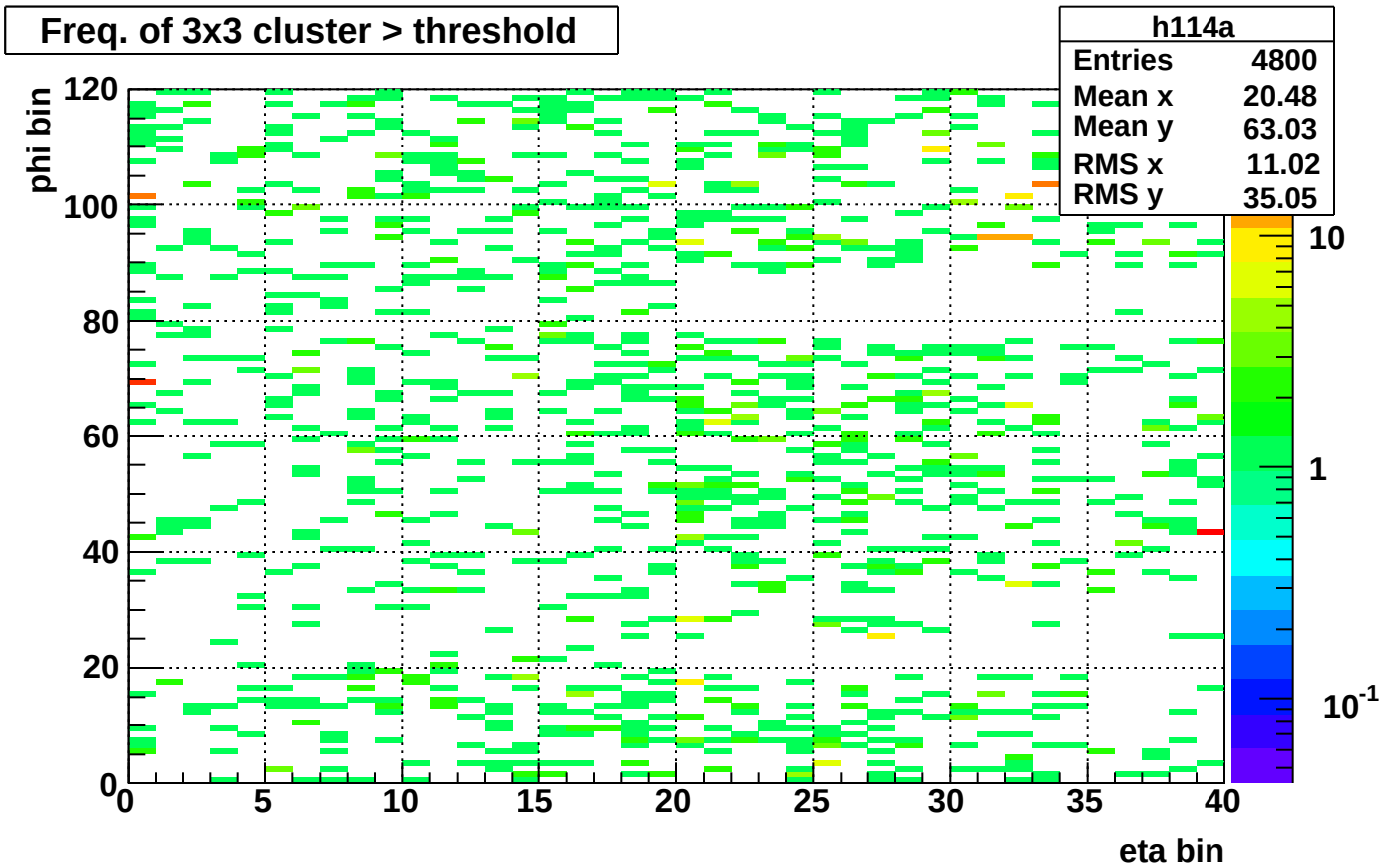

N clusters > threshold (w/ ht > threshold)
h102
Entries 1521
Mean 1.465
RMS 0.2038

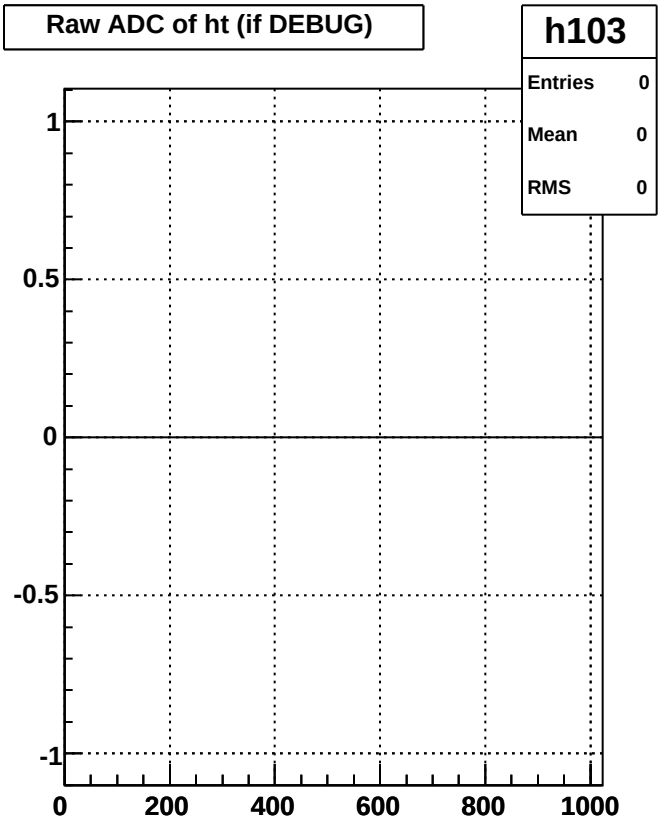

kTicks / input event
h115
Entries 1521
Mean 81.75
RMS 2.334
Input Events
tower > thresh
clust > thresh

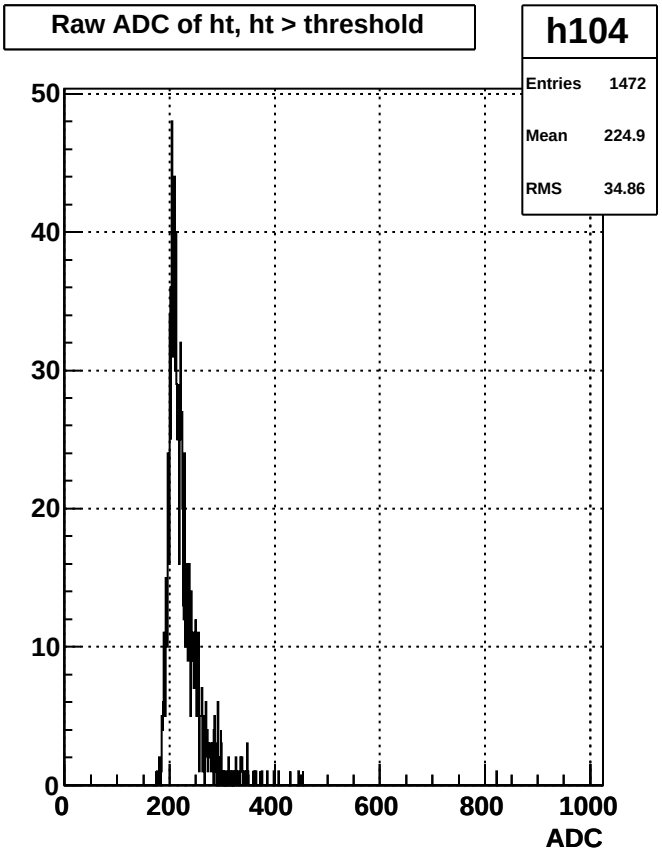

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1472
Mean 2546
RMS 1401
0
5
10
15
20
25
30
35
40
45
0
500
1000
1500
2000
2500
3000
3500
4000
4500

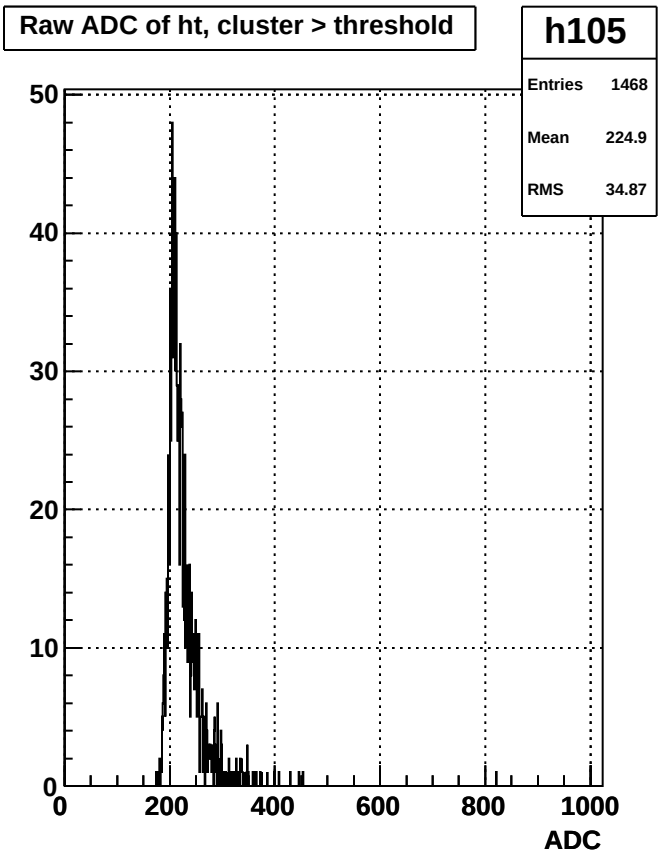

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1468
Mean 2542
RMS 1401
0
5
10
15
20
25
30
35
40
45
0
500
1000
1500
2000
2500
3000
3500
4000
4500

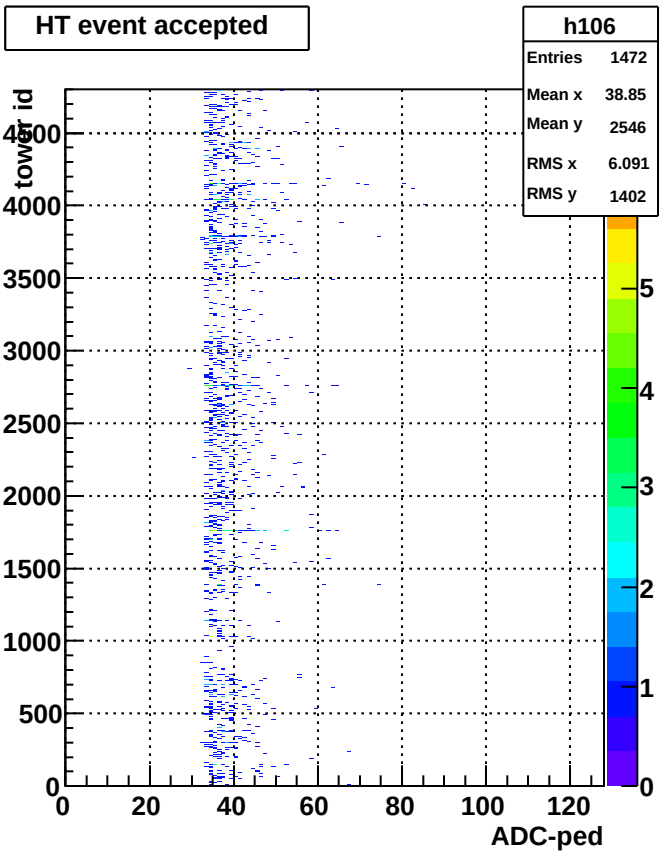

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.45
Mean y 63.12
RMS x 11.02
RMS y 35.04
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
$10^{-1}$

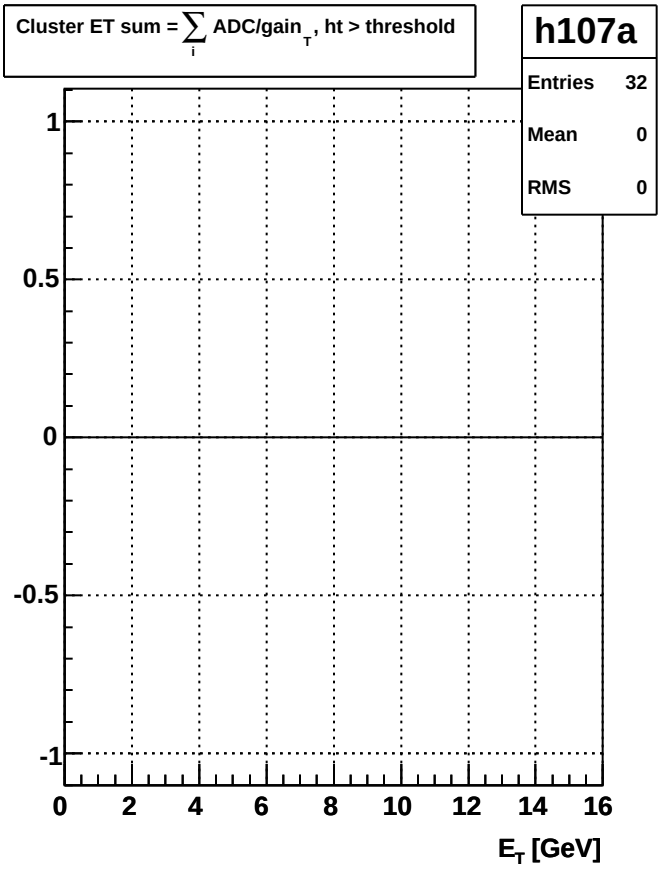

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.48
Mean y 63.03
RMS x 11.02
RMS y 35.05
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
$10^{-1}$

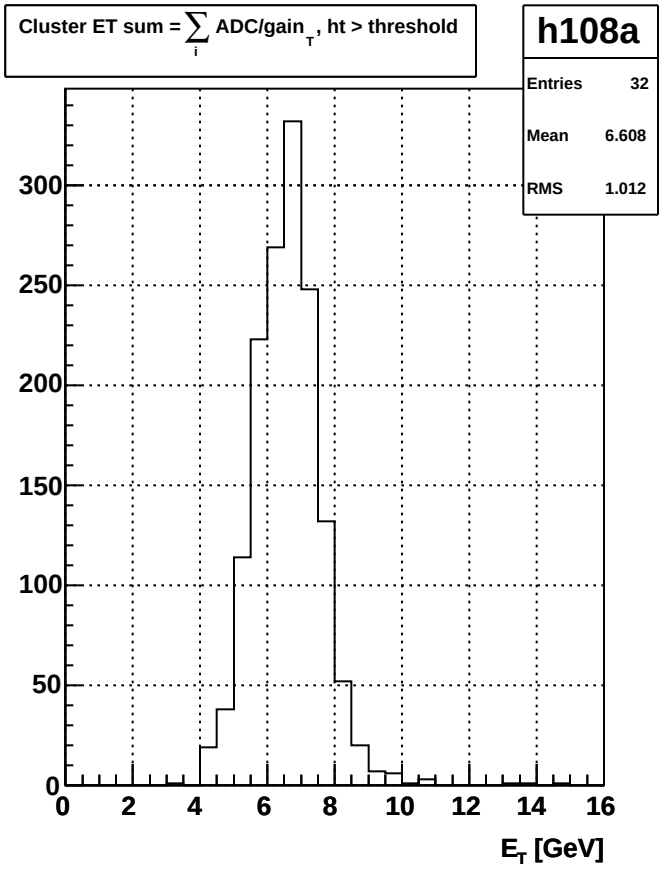

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

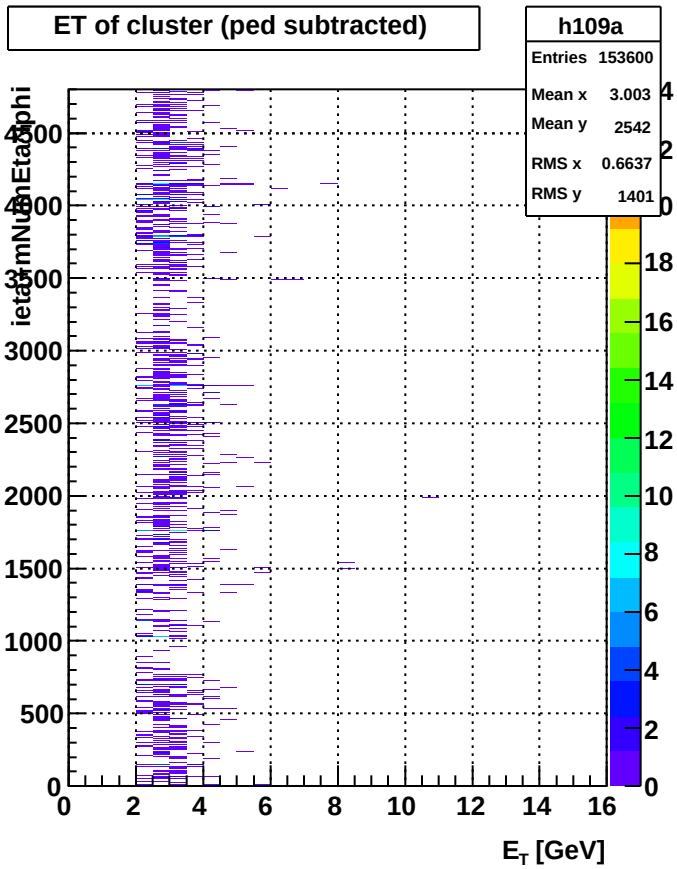

Raw ADC of ht, ht > threshold
h104
Entries 1472
Mean 224.9
RMS 34.86
50
40
30
20
10
0
0
200
400
600
800
1000
ADC

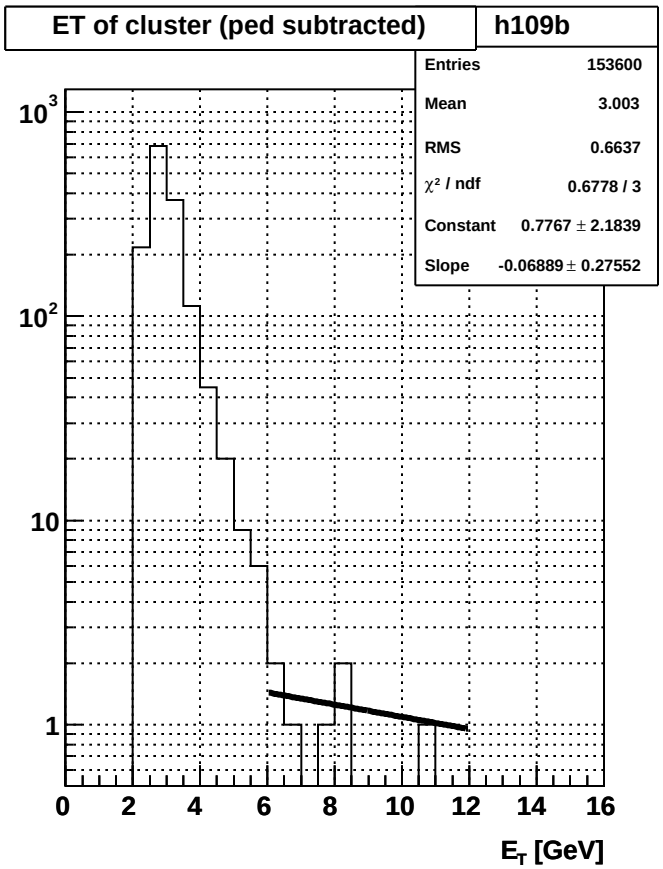

Raw ADC of ht, cluster > threshold
h105
Entries 1468
Mean 224.9
RMS 34.87
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1472
Mean x 38.85
Mean y 2546
RMS x 6.091
RMS y 1402
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
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
$E_T$ [GeV]


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h108a
Entries 32
Mean 6.608
RMS 1.012
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 3.003
Mean y 2542
RMS x 0.6637
RMS y 1401
ietamNumEtaBiphi
$E_T$ [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 3.003
RMS 0.6637
$\chi^2$ / ndf 0.6778 / 3
Constant 0.7767 ± 2.1839
Slope -0.06889 ± 0.27552
$E_T$ [GeV]