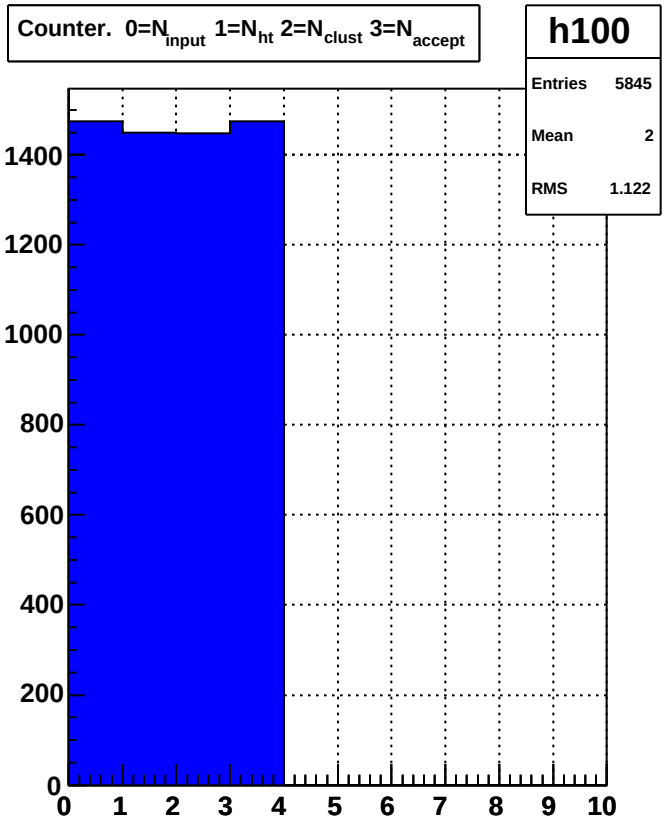
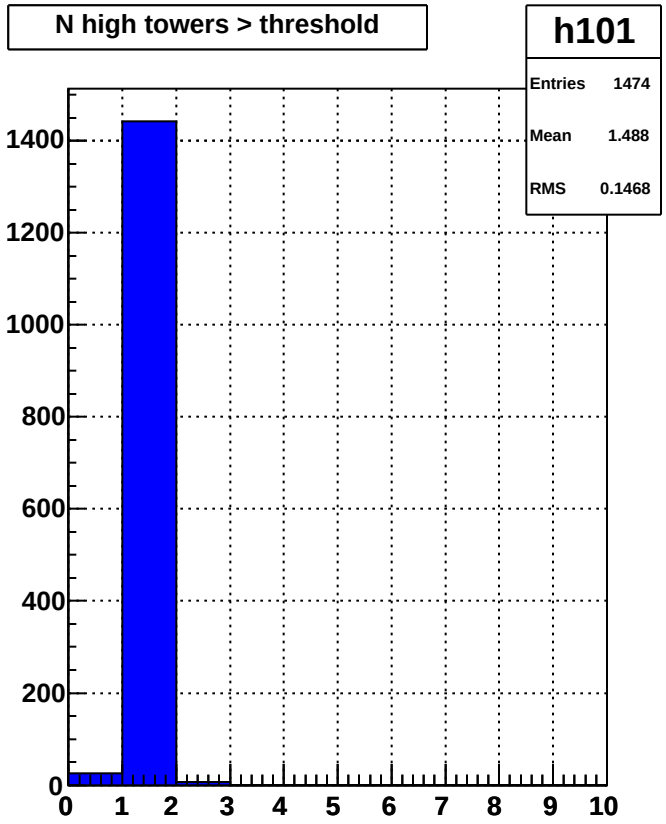
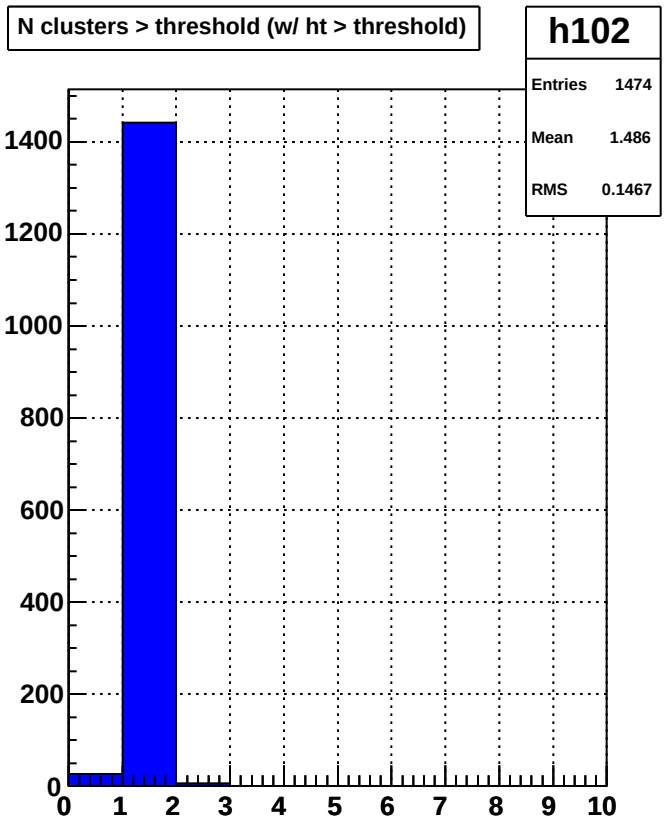
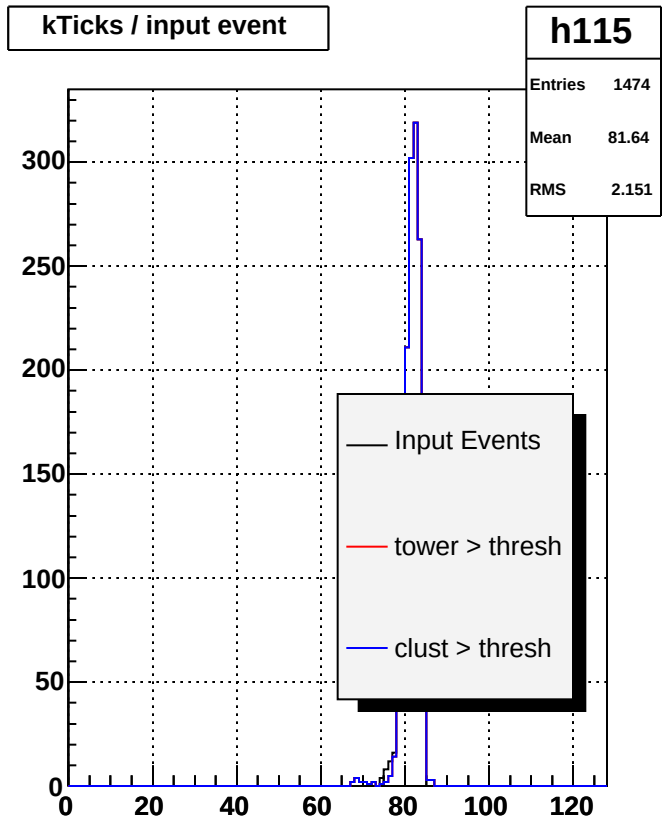
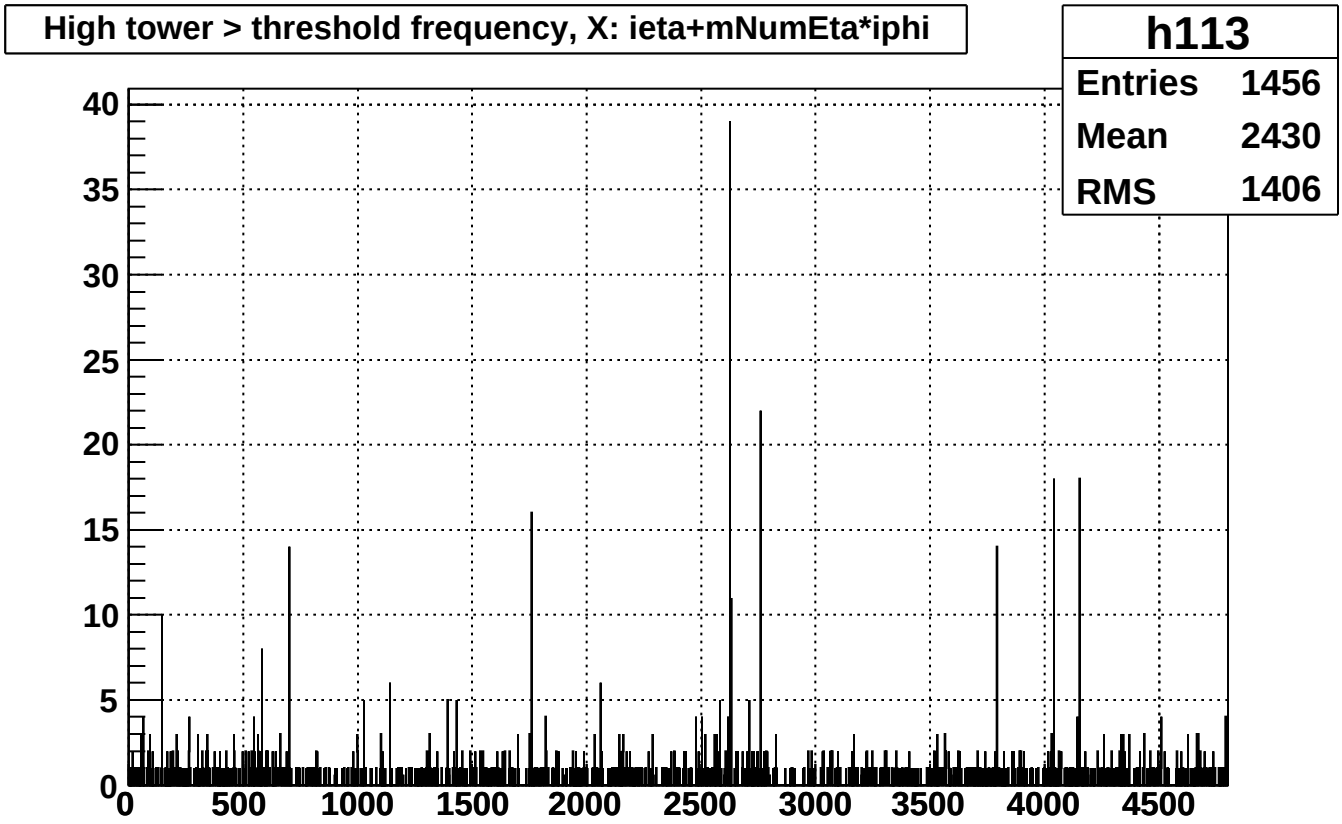
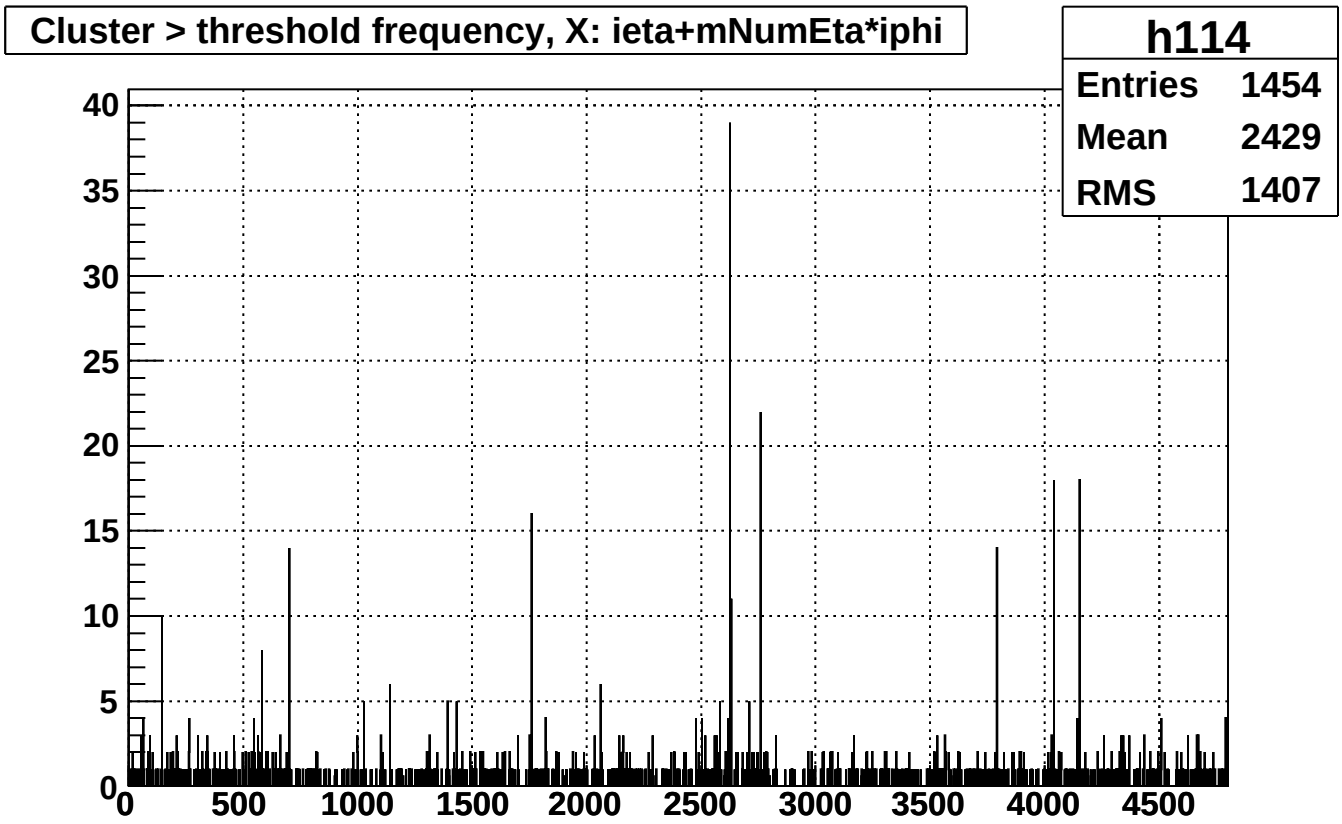

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 5845
Mean 2
RMS 1.122

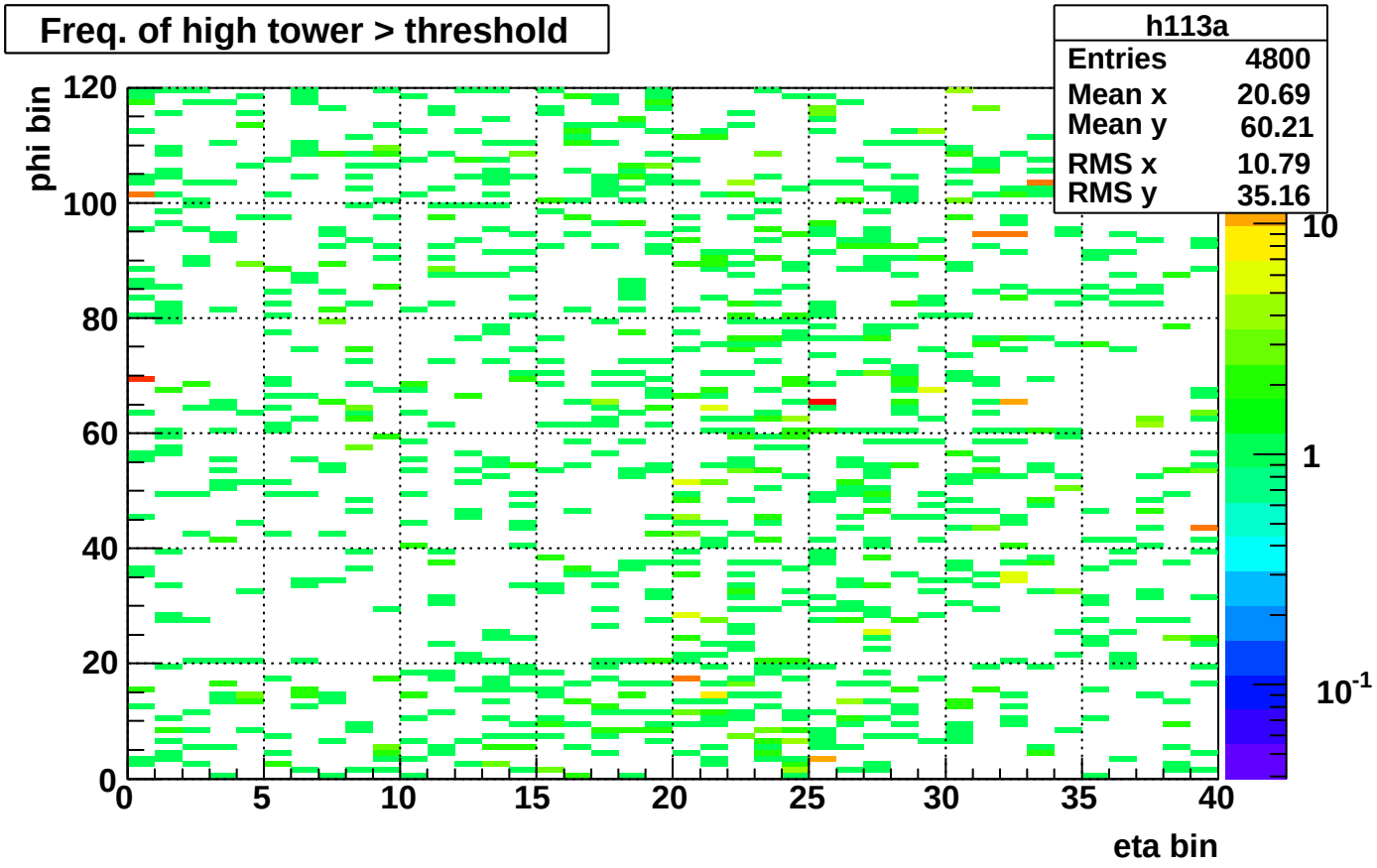

N high towers > threshold
h101
Entries 1474
Mean 1.488
RMS 0.1468

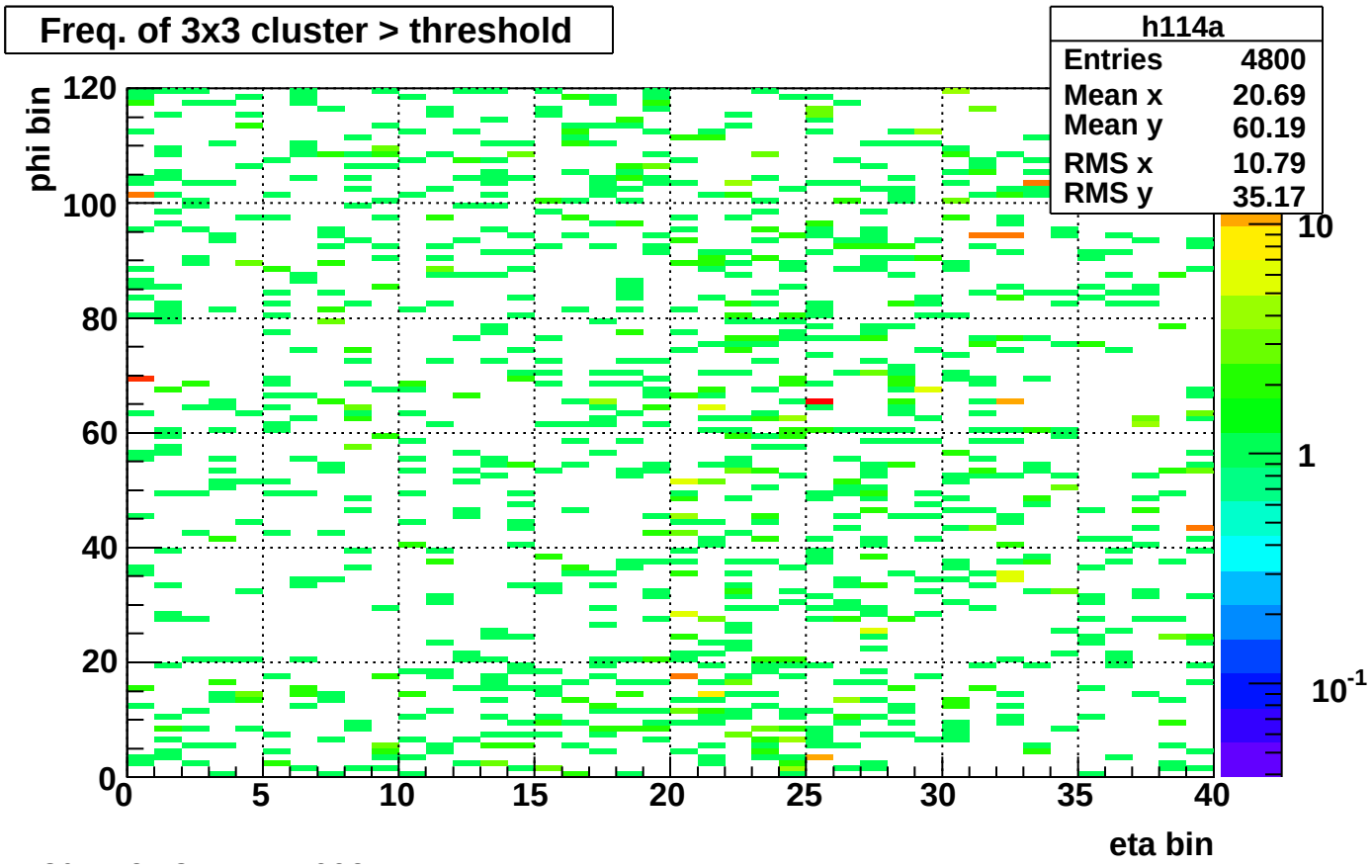

N clusters > threshold (w/ ht > threshold)
h102
Entries 1474
Mean 1.486
RMS 0.1467

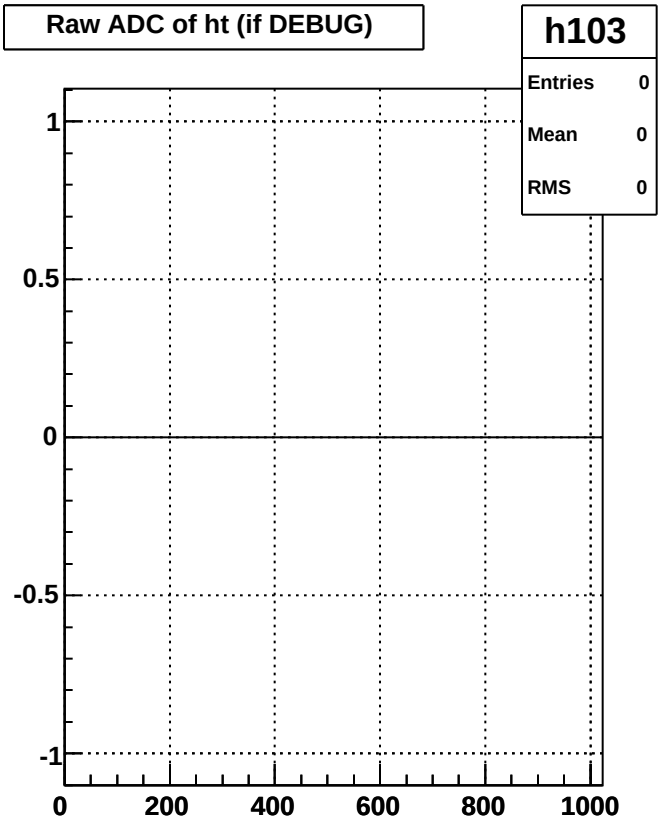

kTicks / input event
h115
Entries 1474
Mean 81.64
RMS 2.151
Input Events
tower > thresh
clust > thresh

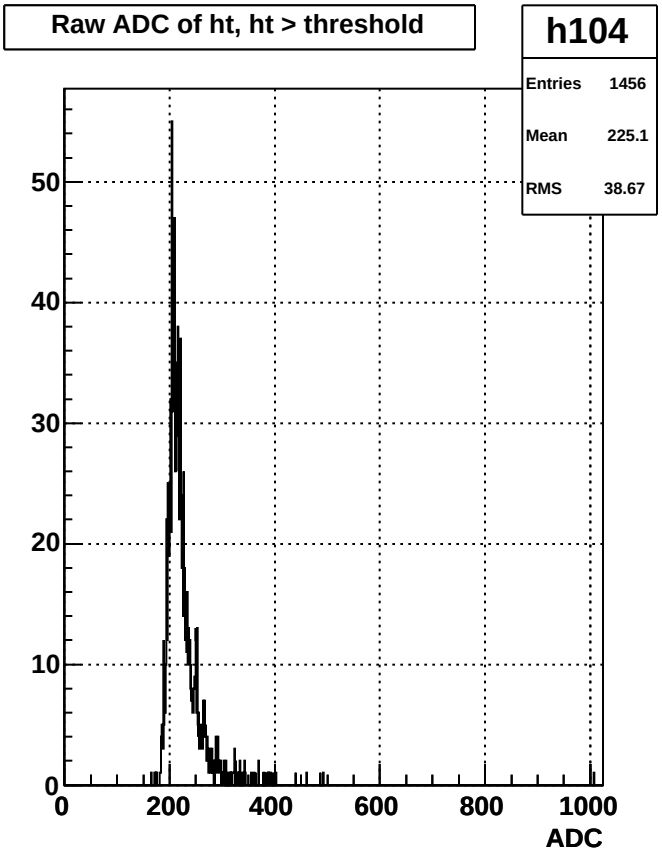

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1456
Mean 2430
RMS 1406
0
5
10
15
20
25
30
35
40
0
500
1000
1500
2000
2500
3000
3500
4000
4500

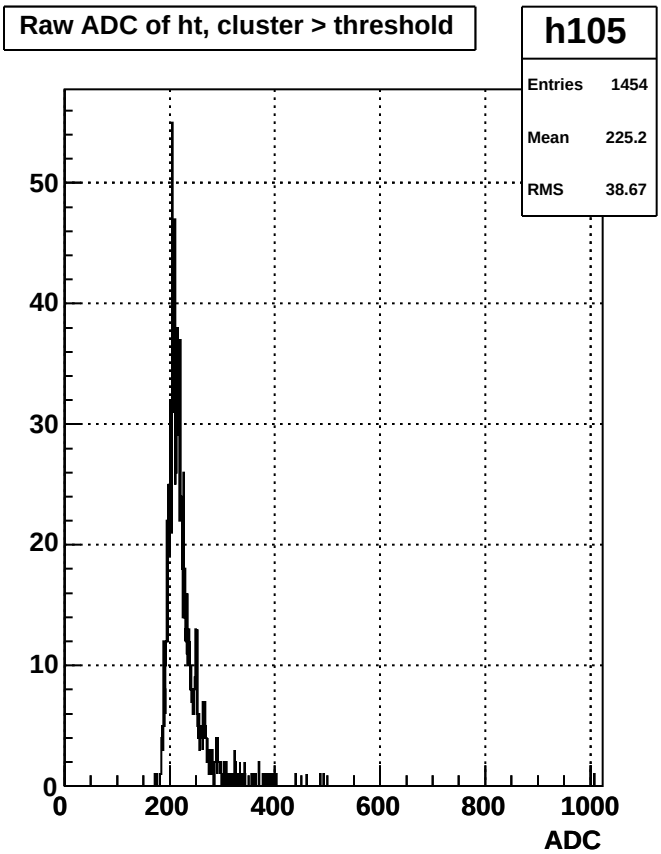

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1454
Mean 2429
RMS 1407
0
5
10
15
20
25
30
35
40
0
500
1000
1500
2000
2500
3000
3500
4000
4500

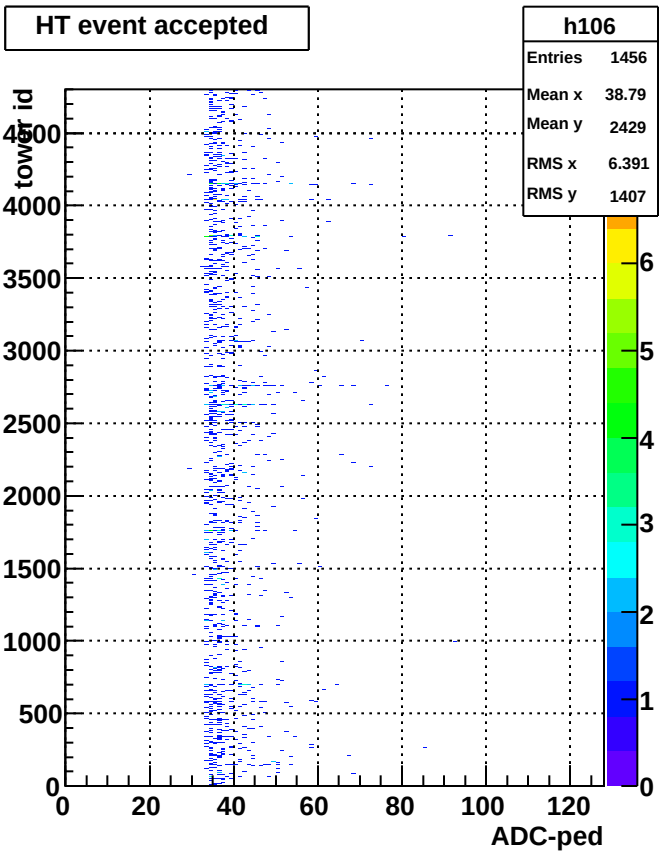

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.69
Mean y 60.21
RMS x 10.79
RMS y 35.16
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

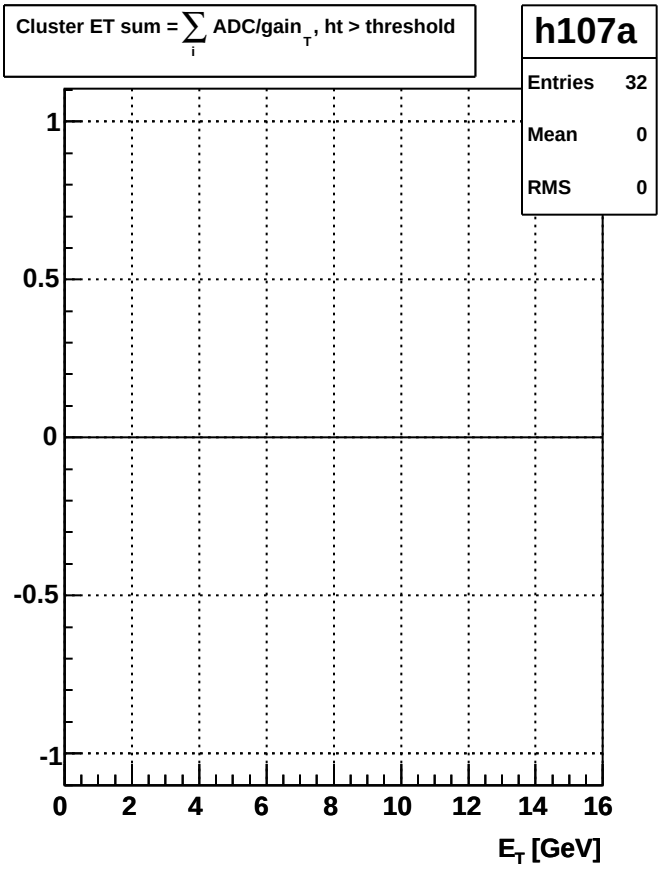

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.69
Mean y 60.19
RMS x 10.79
RMS y 35.17
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

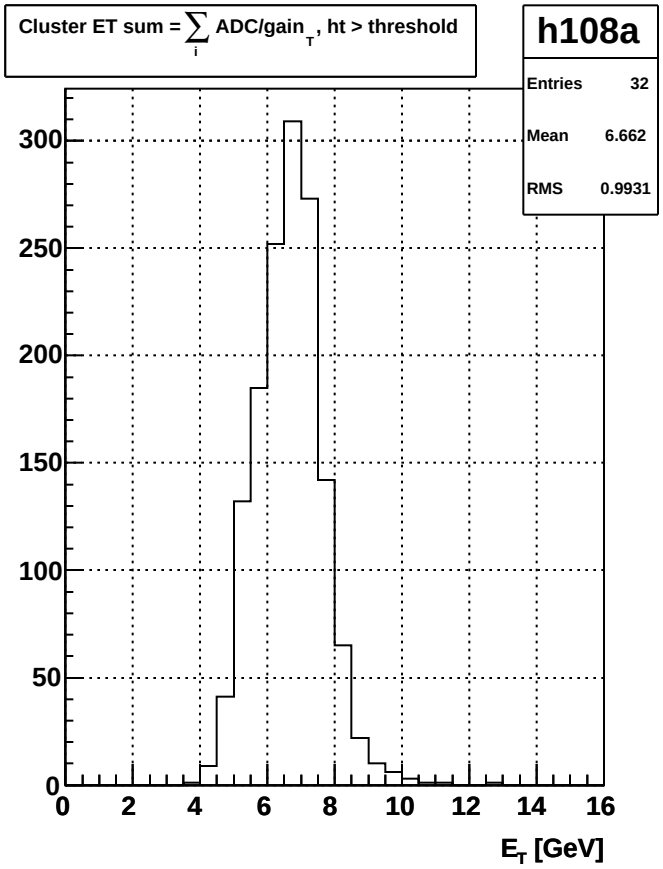

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

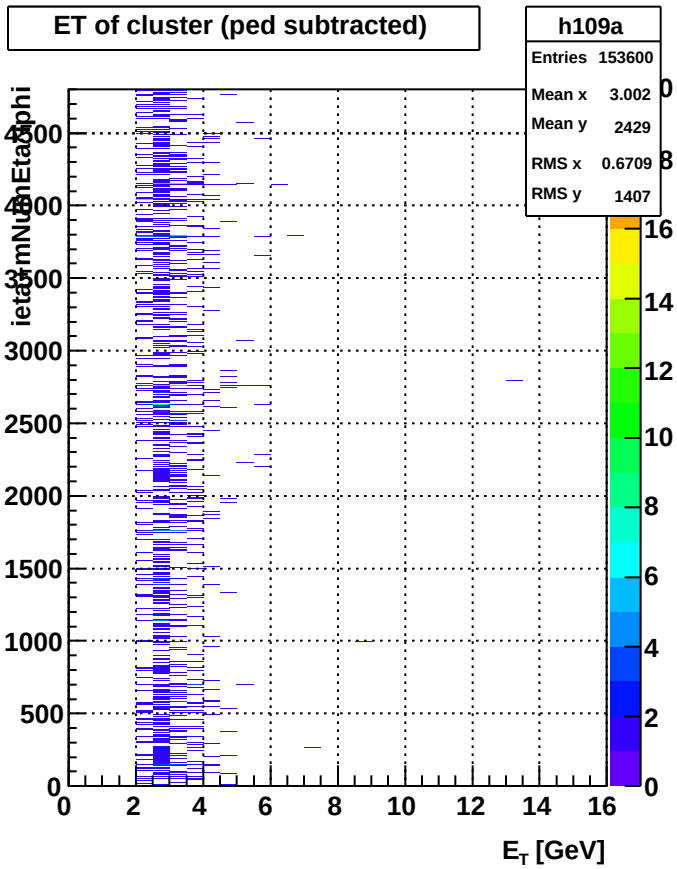

Raw ADC of ht, ht > threshold
h104
Entries 1456
Mean 225.1
RMS 38.67
50
40
30
20
10
0
0
200
400
600
800
1000
ADC

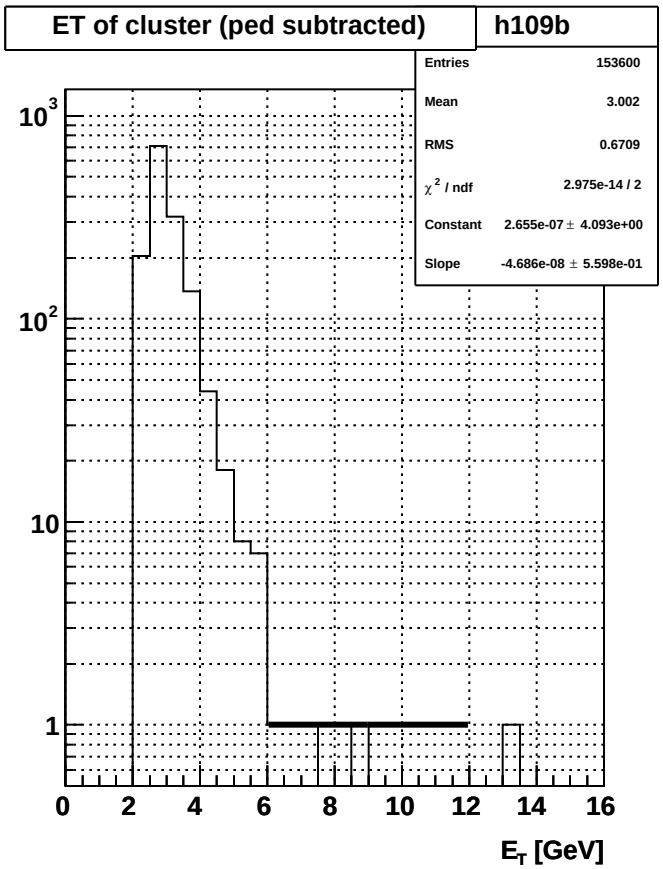

Raw ADC of ht, cluster > threshold
h105
Entries 1454
Mean 225.2
RMS 38.67
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1456
Mean x 38.79
Mean y 2429
RMS x 6.391
RMS y 1407
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 6.662
RMS 0.9931
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 3.002
Mean y 2429
RMS x 0.6709
RMS y 1407
ietaTimNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 3.002
RMS 0.6709
χ^2 / ndf 2.975e-14 / 2
Constant 2.655e-07 ± 4.093e+00
Slope -4.686e-08 ± 5.598e-01
E_T [GeV]