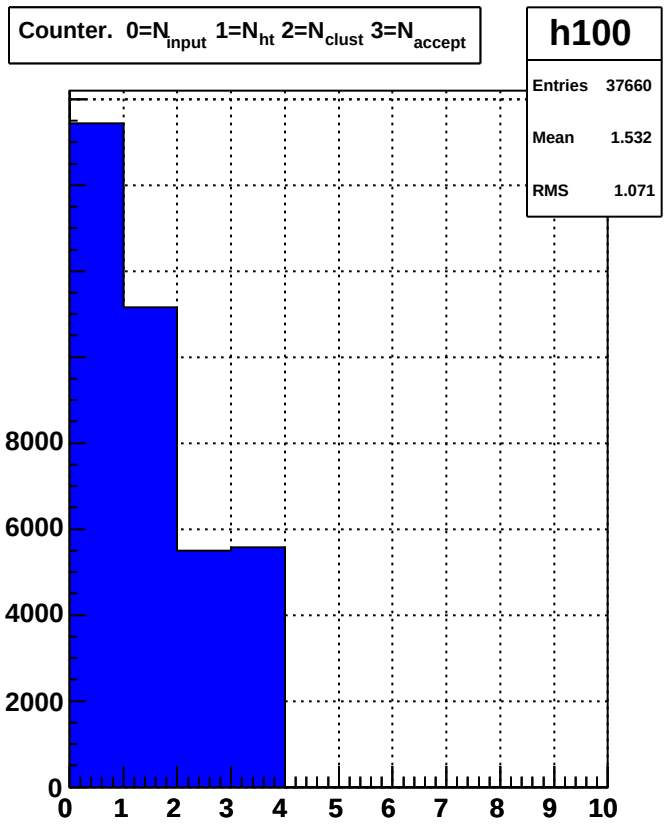
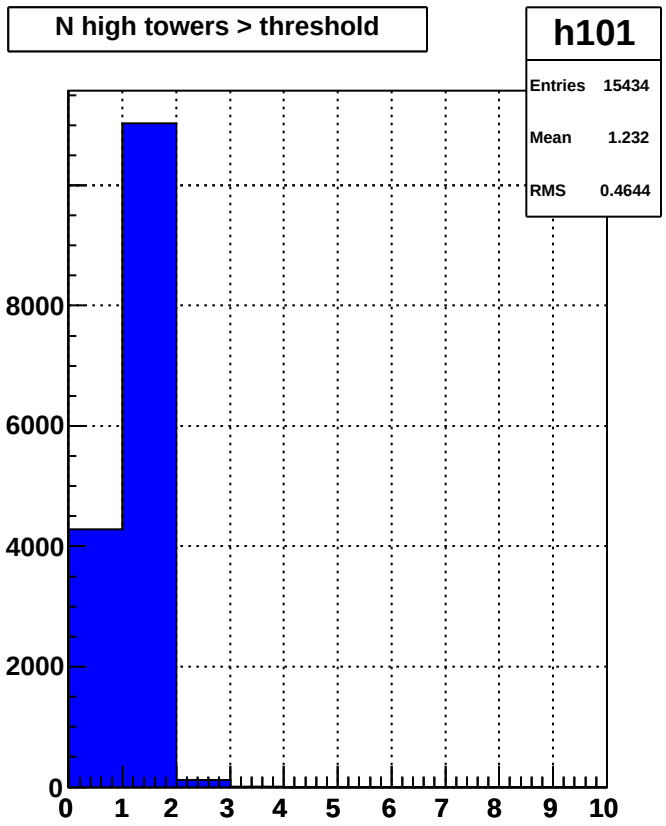
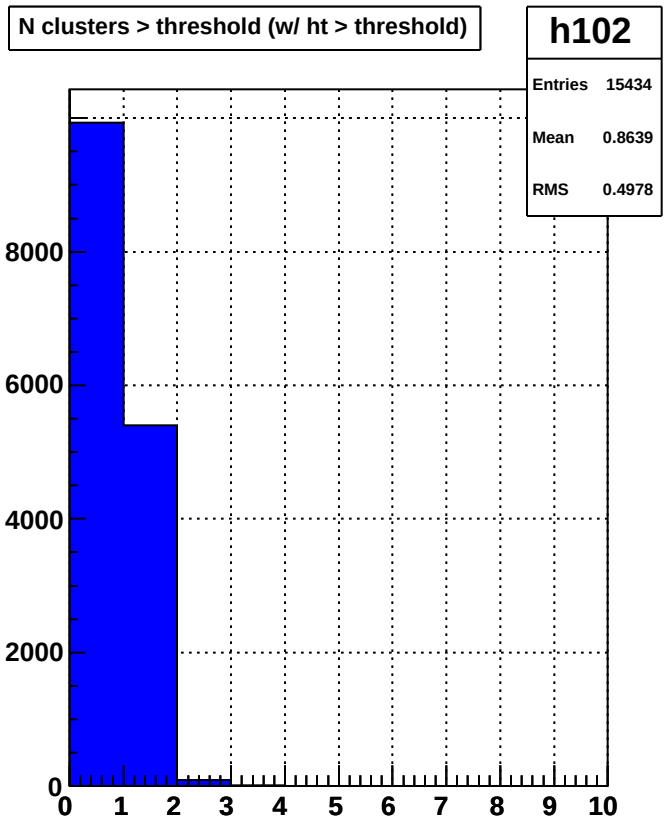
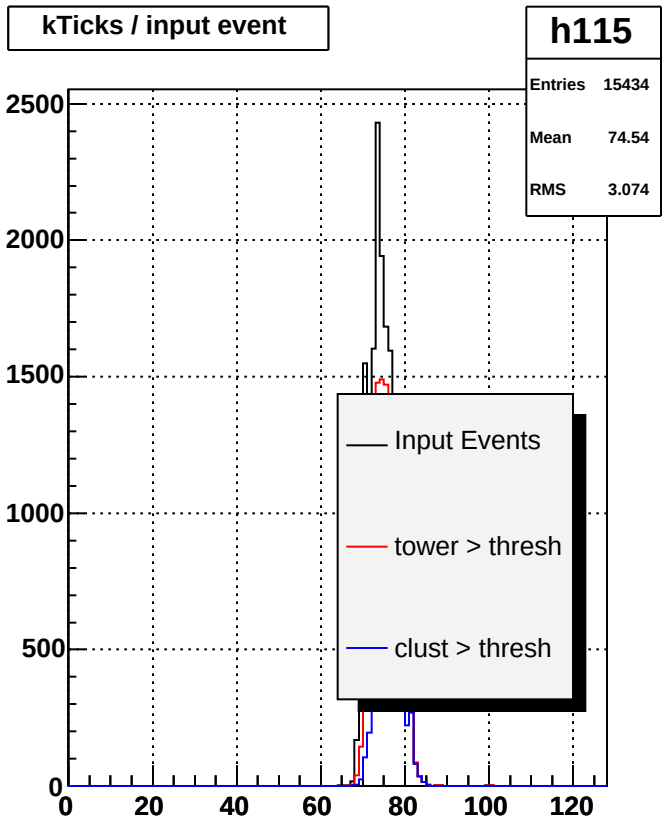
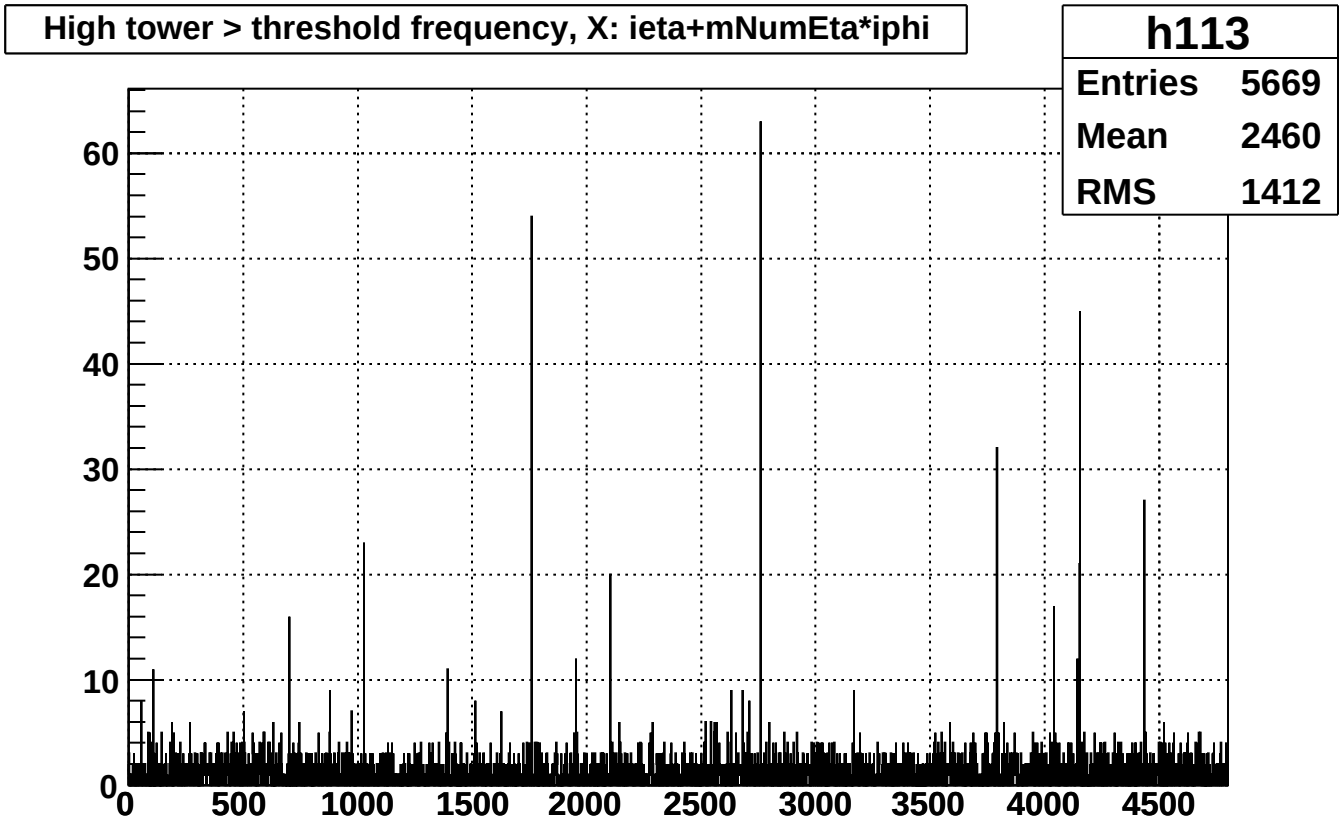
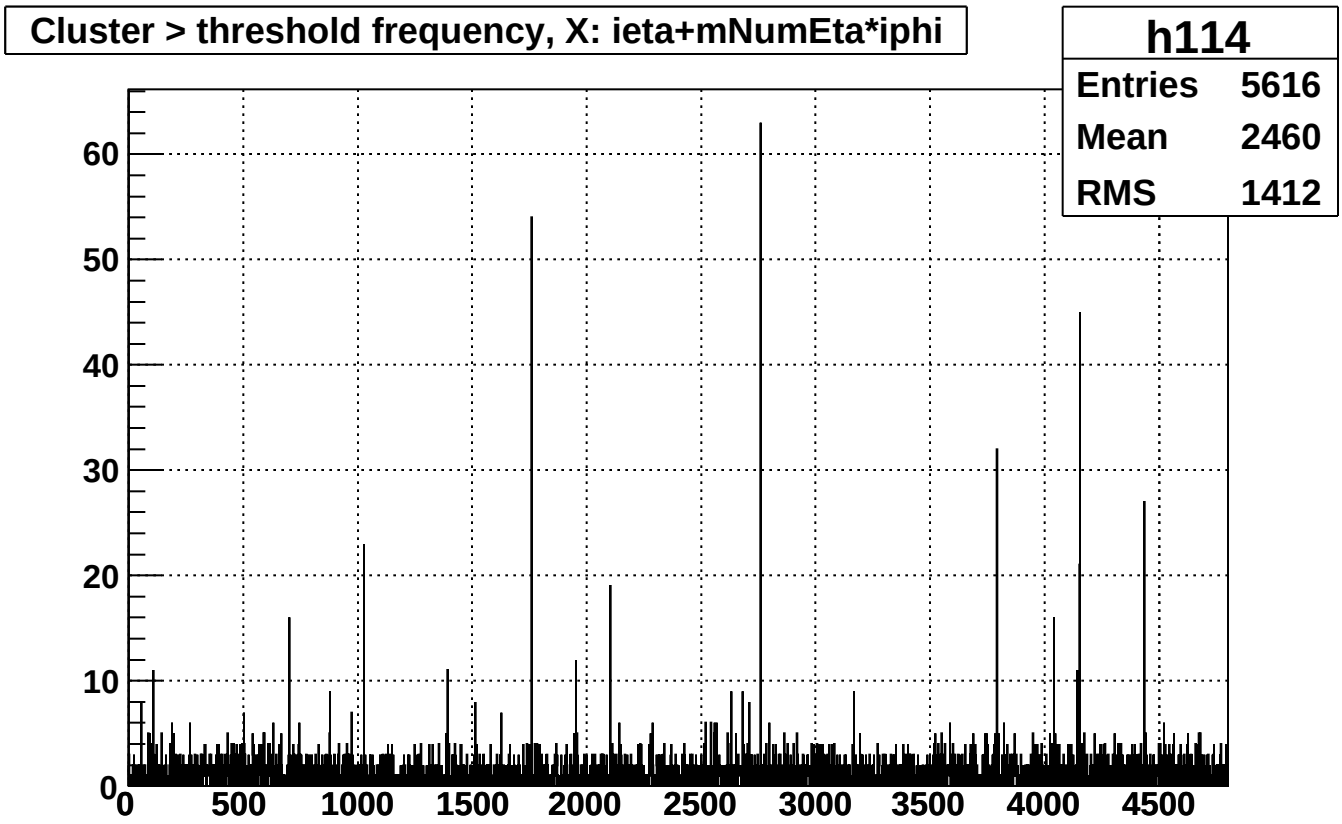

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 37660
Mean 1.532
RMS 1.071
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

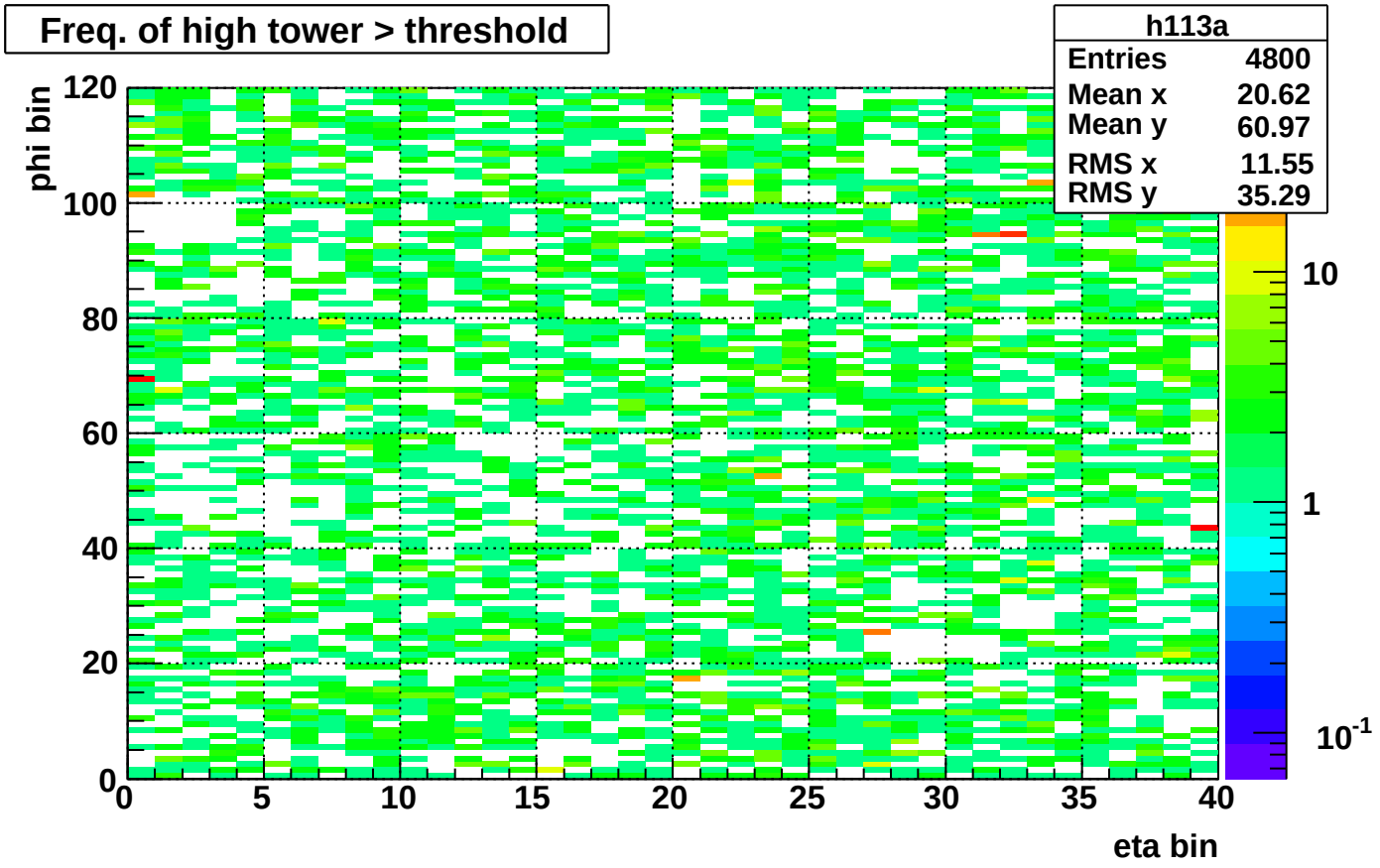

N high towers > threshold
h101
Entries 15434
Mean 1.232
RMS 0.4644
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

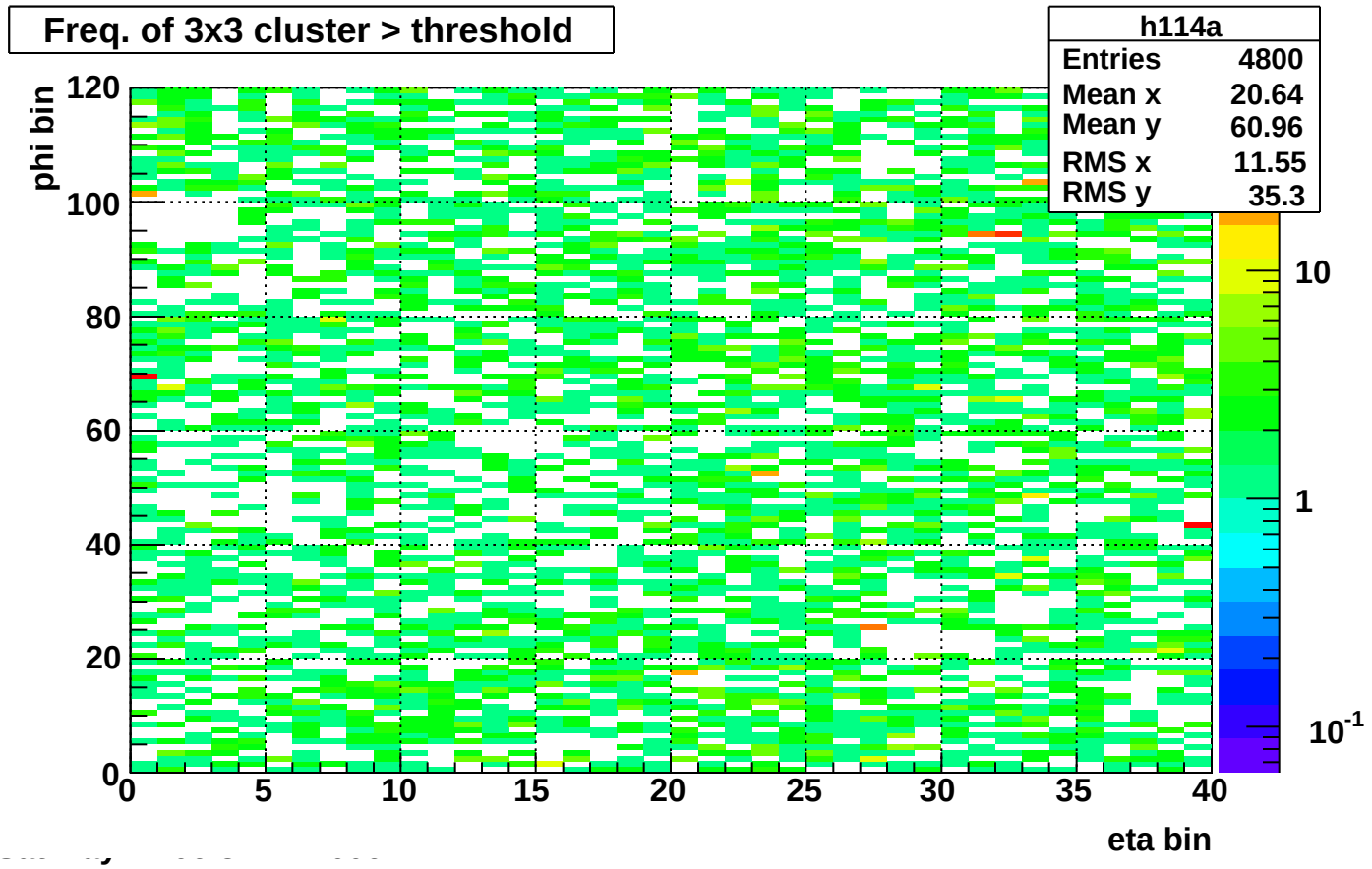

N clusters > threshold (w/ ht > threshold)
h102
Entries 15434
Mean 0.8639
RMS 0.4978
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

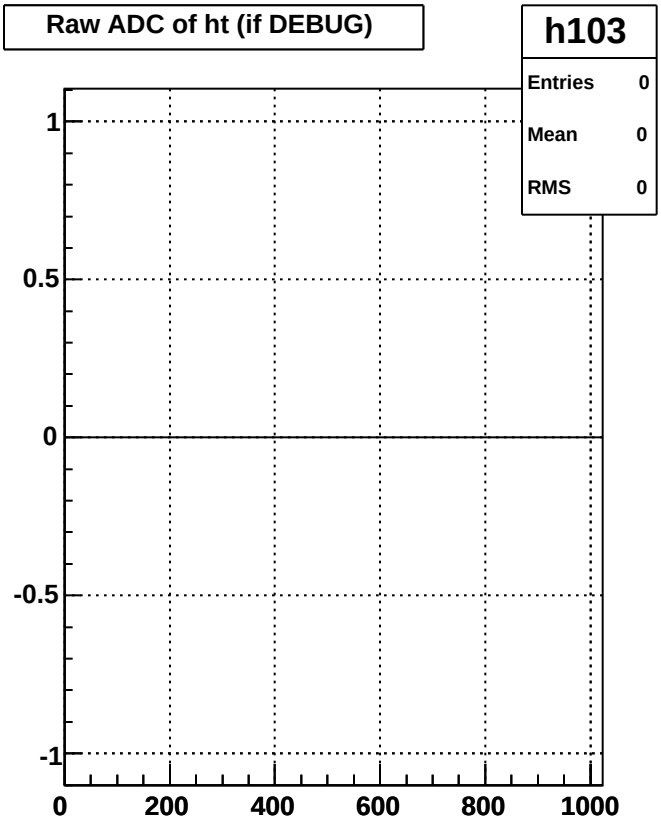

kTicks / input event
h115
Entries 15434
Mean 74.54
RMS 3.074
0
500
1000
1500
2000
2500
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

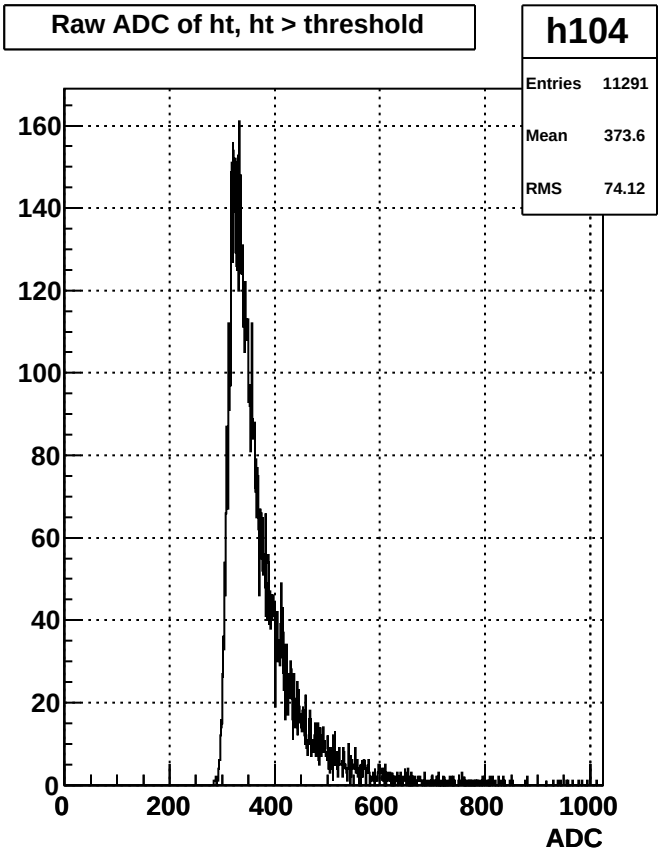

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 5669
Mean 2460
RMS 1412
0
10
20
30
40
50
60
0
500
1000
1500
2000
2500
3000
3500
4000
4500

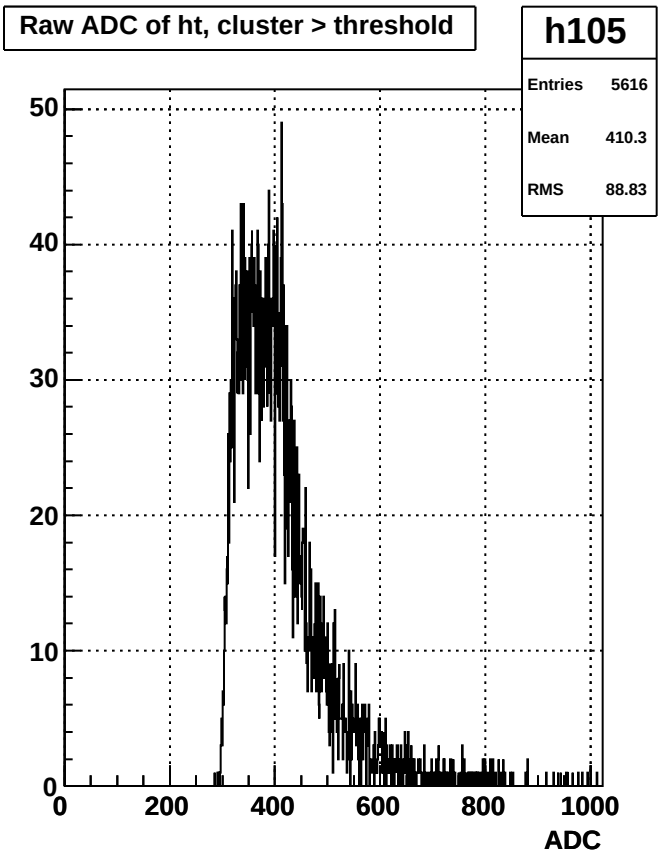

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 5616
Mean 2460
RMS 1412
0
10
20
30
40
50
60
0
500
1000
1500
2000
2500
3000
3500
4000
4500

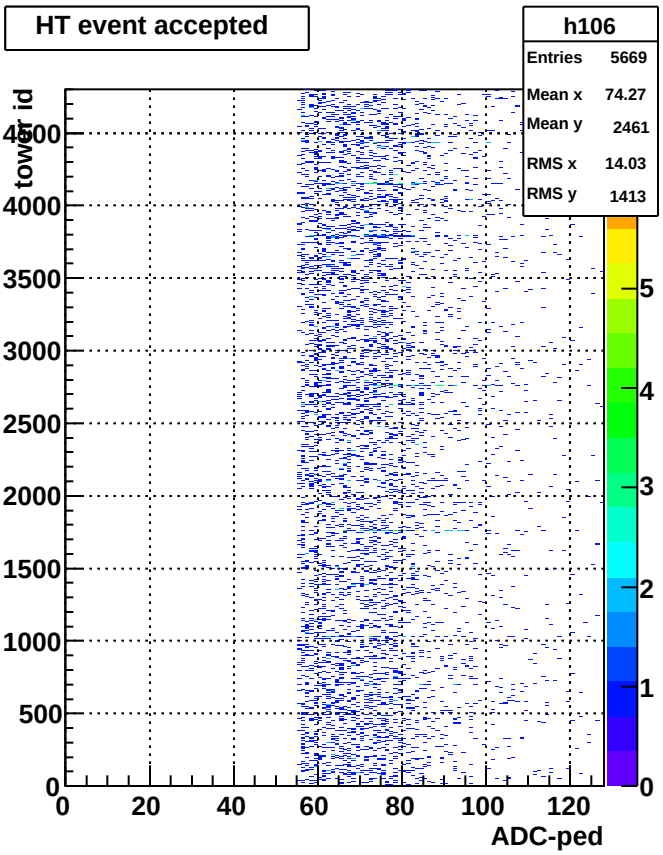

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.62
Mean y 60.97
RMS x 11.55
RMS y 35.29
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

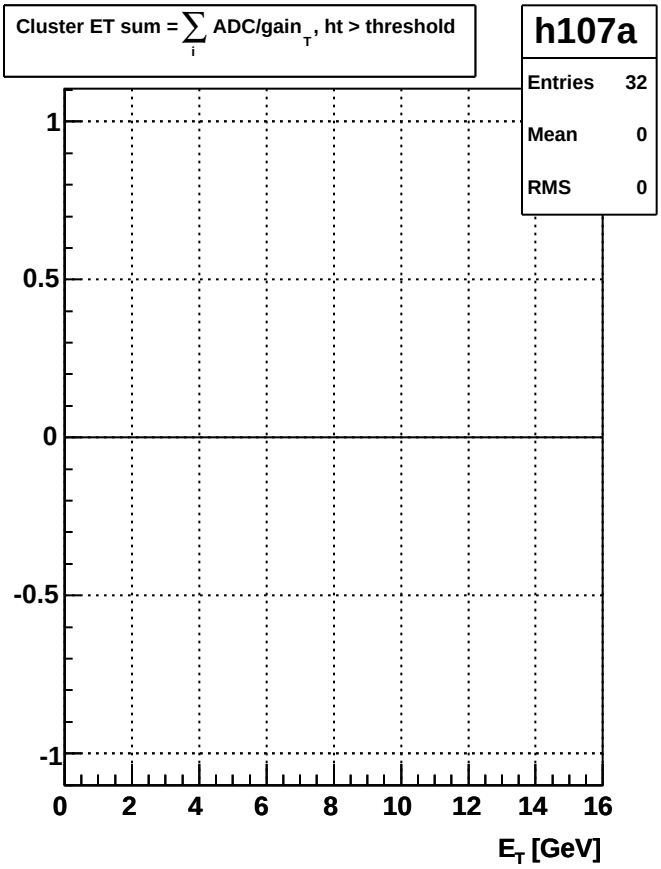

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.64
Mean y 60.96
RMS x 11.55
RMS y 35.3
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

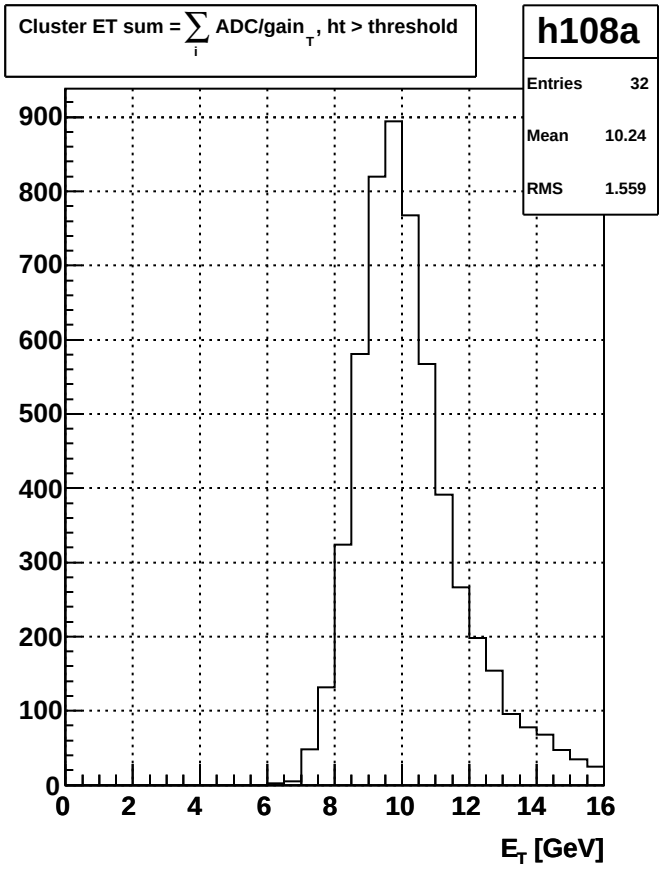

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

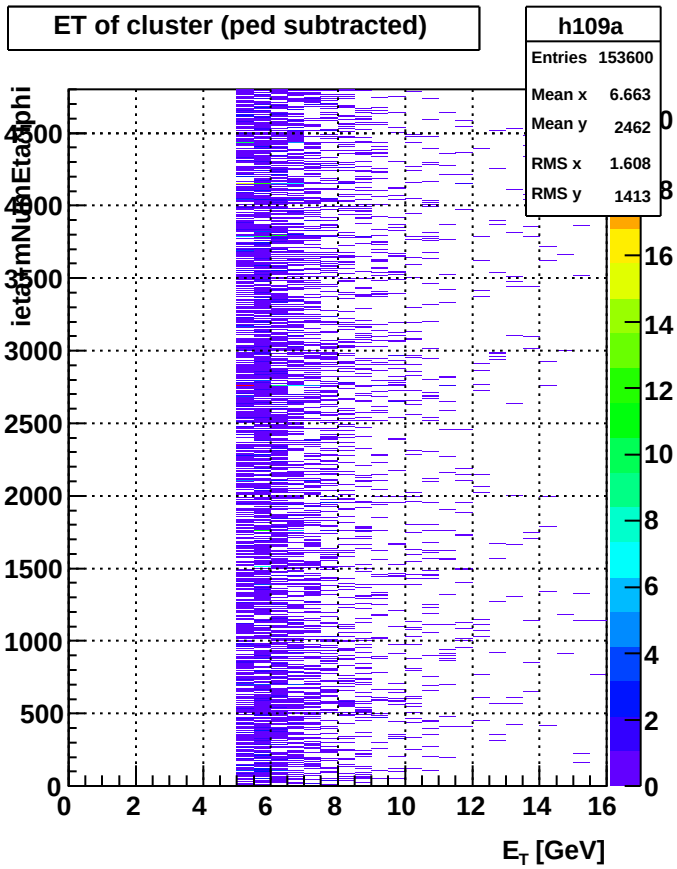

Raw ADC of ht, ht > threshold
h104
Entries 11291
Mean 373.6
RMS 74.12
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

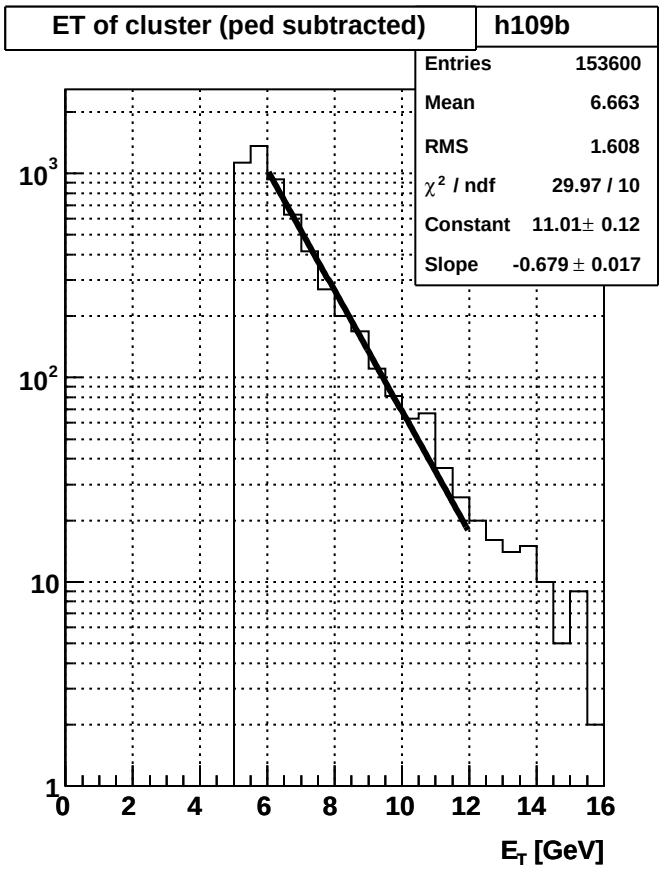

Raw ADC of ht, cluster > threshold
h105
Entries 5616
Mean 410.3
RMS 88.83
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 5669
Mean x 74.27
Mean y 2461
RMS x 14.03
RMS y 1413
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 10.24
RMS 1.559
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.663
Mean y 2462
RMS x 1.608
RMS y 1413
ietamNumEtaphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.663
RMS 1.608
χ^2 / ndf 29.97 / 10
Constant 11.01 ± 0.12
Slope -0.679 ± 0.017
E_T [GeV]