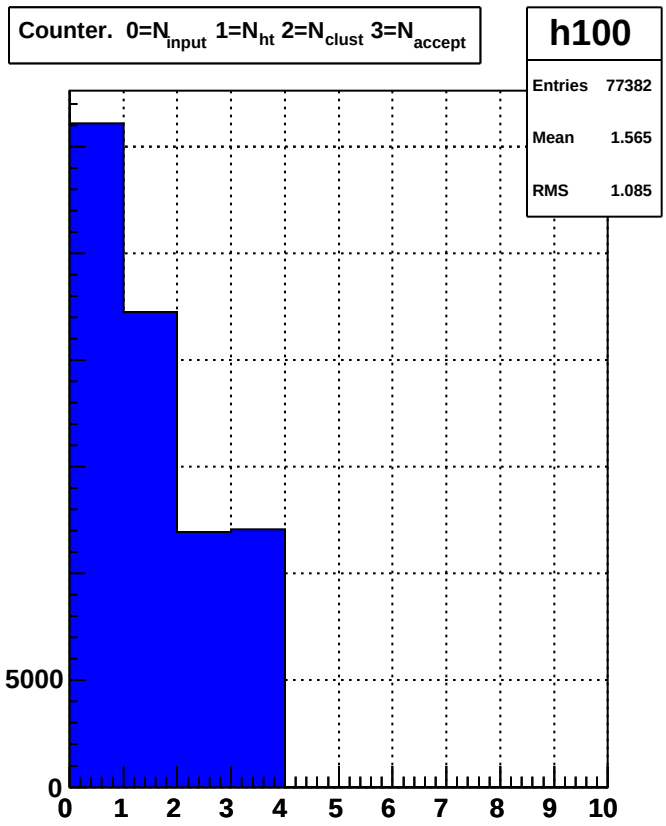
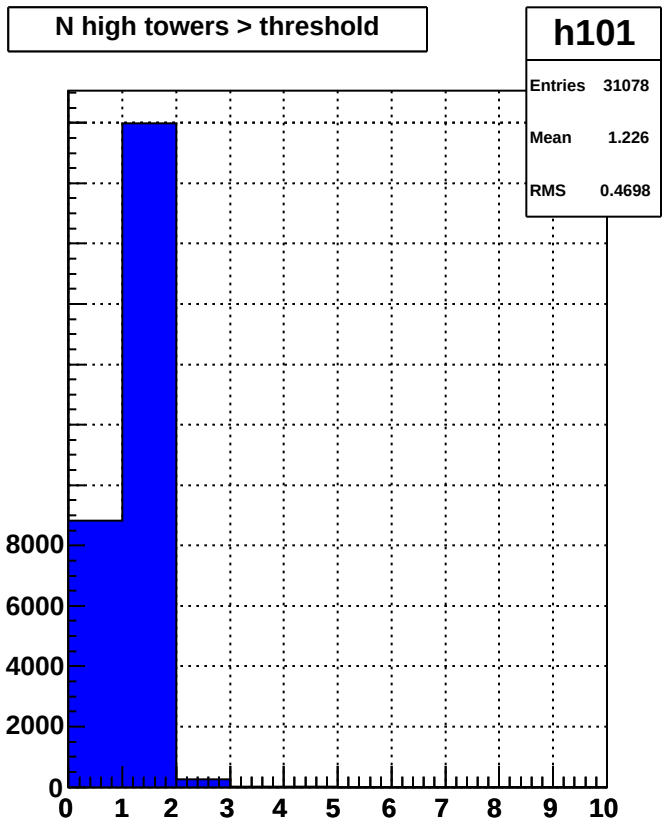
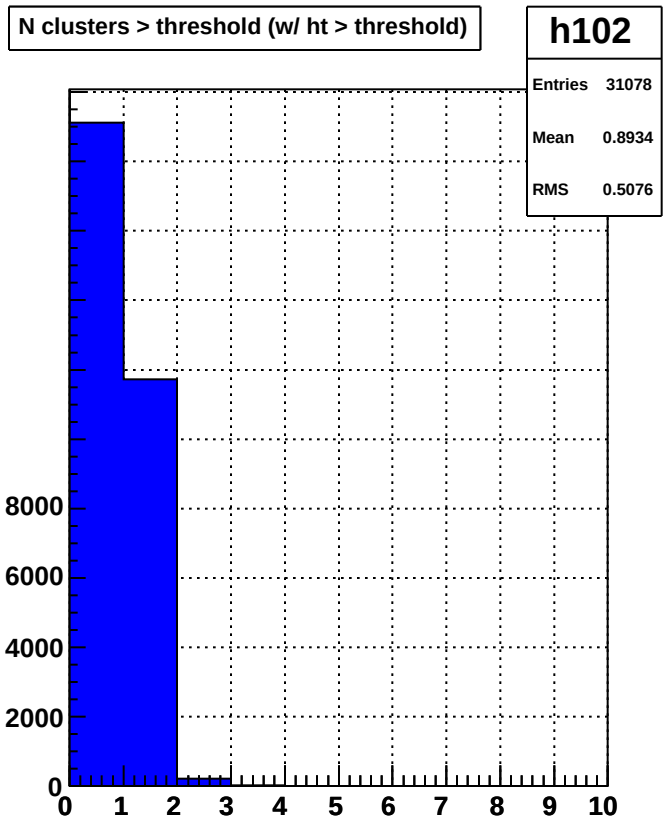
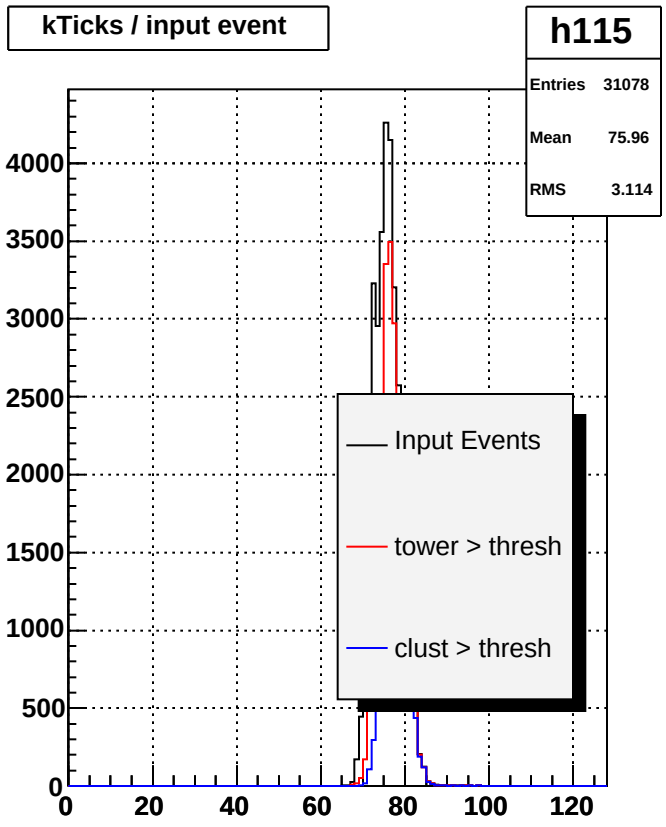
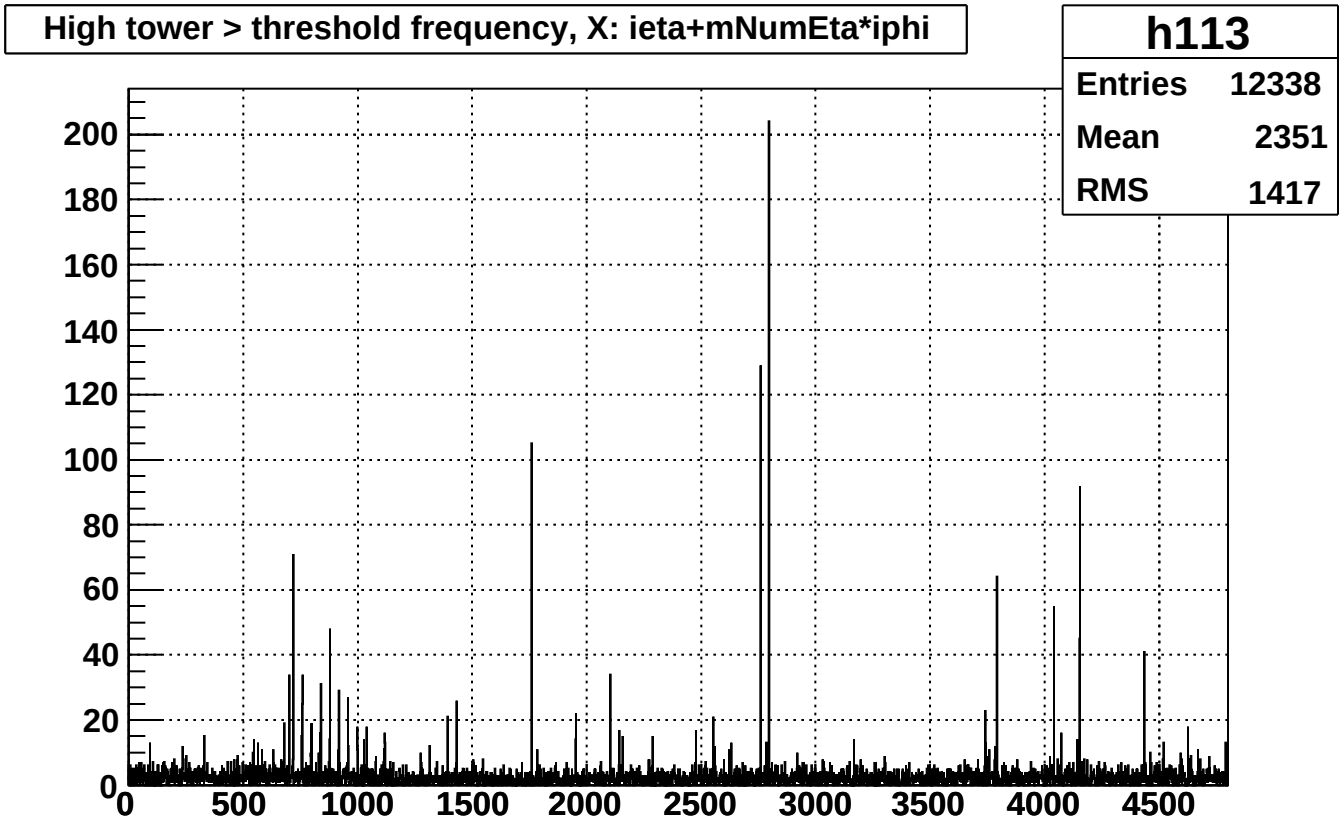
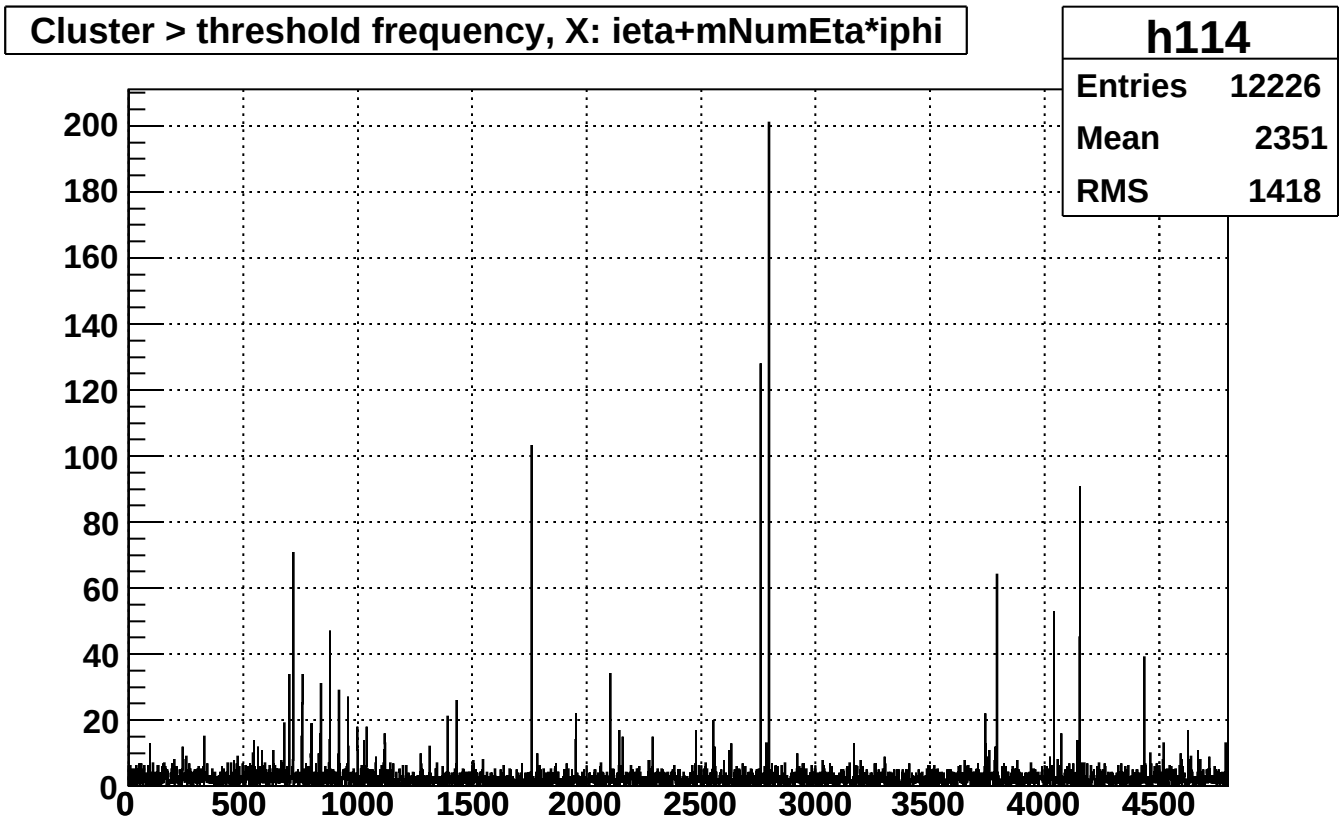

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 77382
Mean 1.565
RMS 1.085
5000
0
0 1 2 3 4 5 6 7 8 9 10

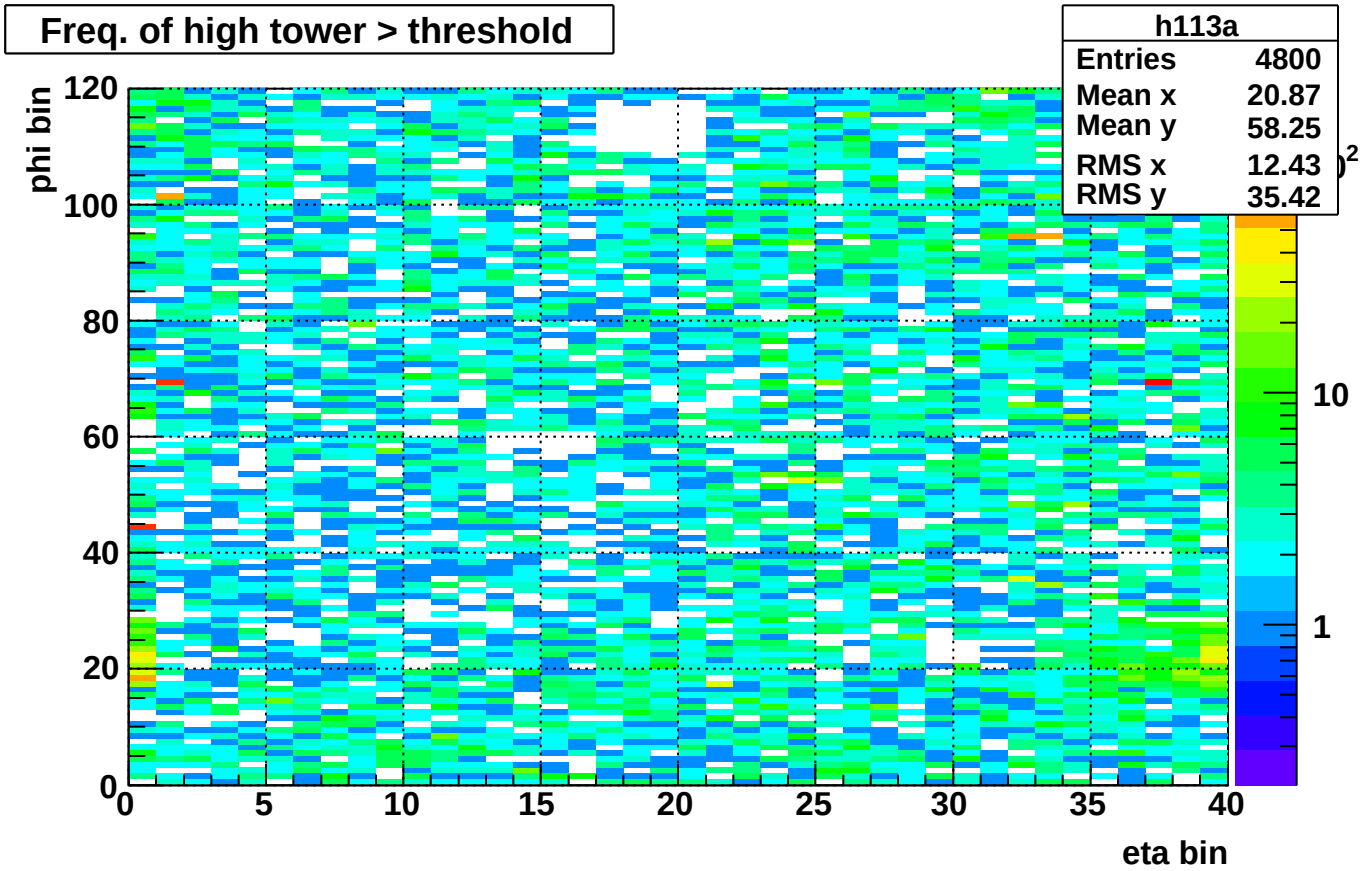

N high towers > threshold
h101
Entries 31078
Mean 1.226
RMS 0.4698
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10

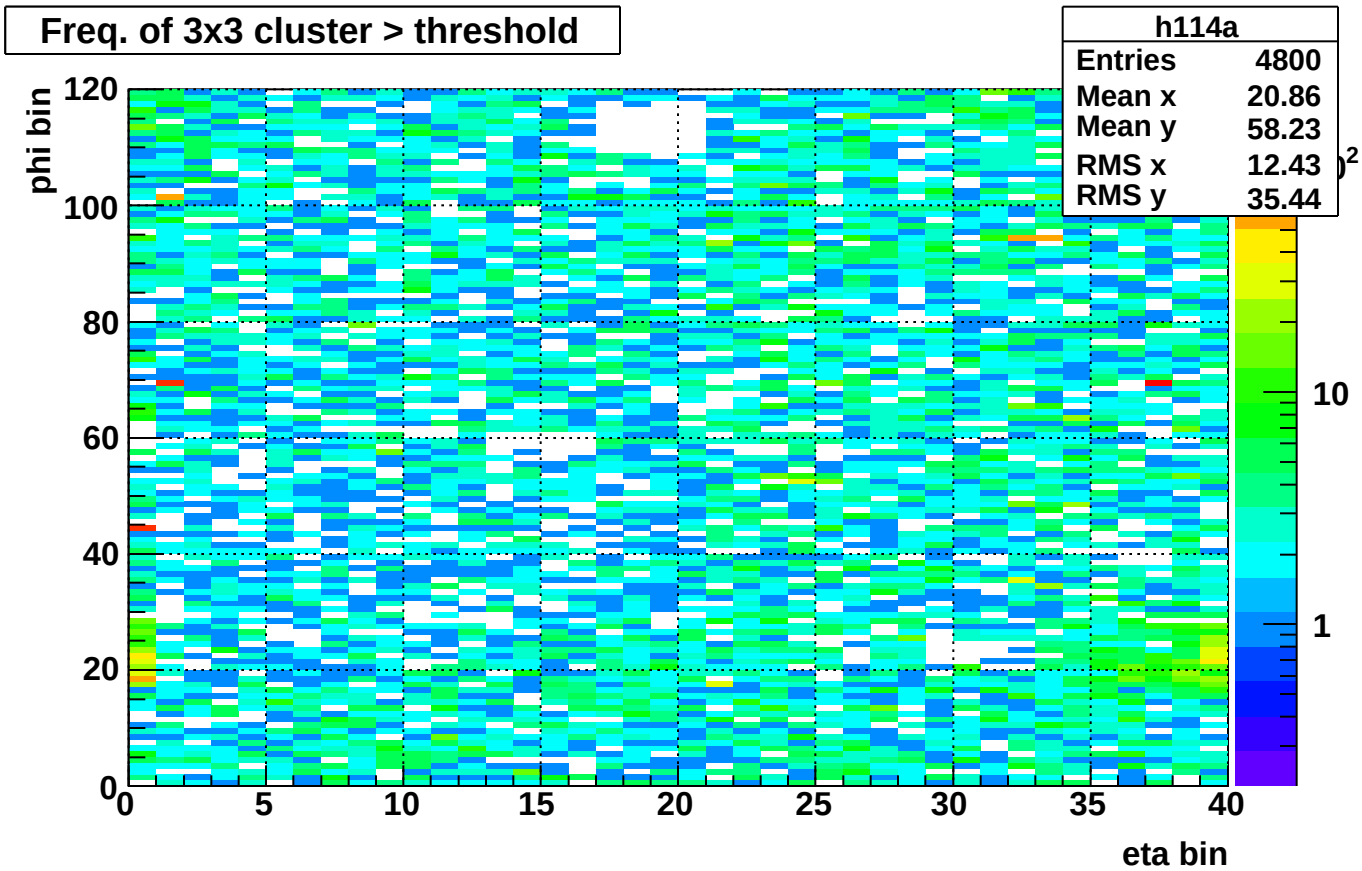

N clusters > threshold (w/ ht > threshold)
h102
Entries 31078
Mean 0.8934
RMS 0.5076
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10

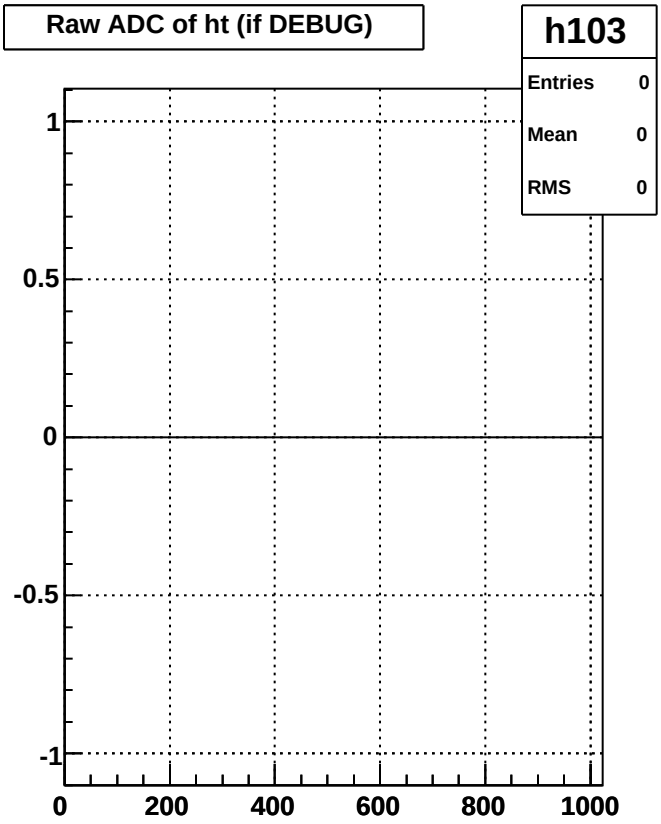

kTicks / input event
h115
Entries 31078
Mean 75.96
RMS 3.114
4000
3500
3000
2500
2000
1500
1000
500
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

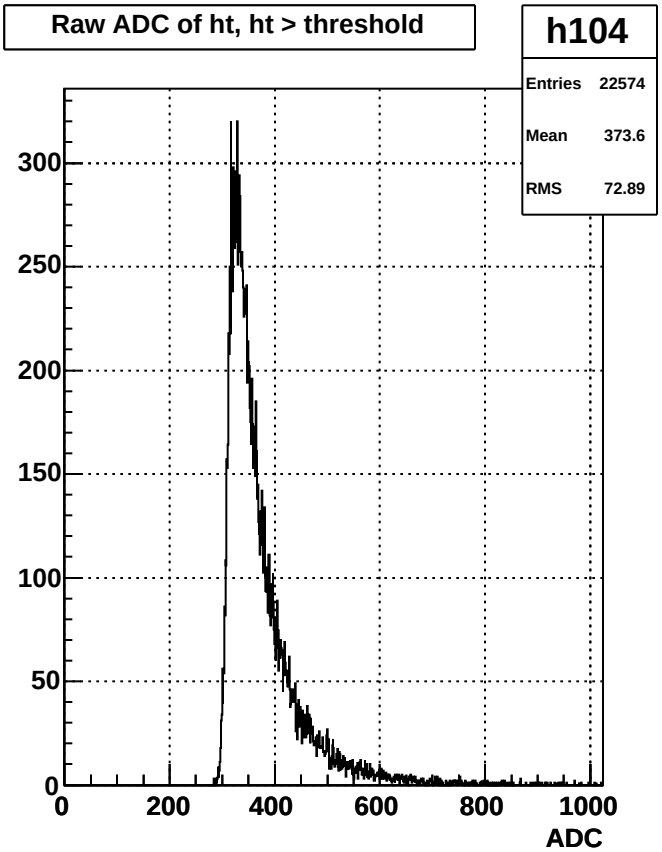

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 12338
Mean 2351
RMS 1417
0
20
40
60
80
100
120
140
160
180
200
0
500
1000
1500
2000
2500
3000
3500
4000
4500

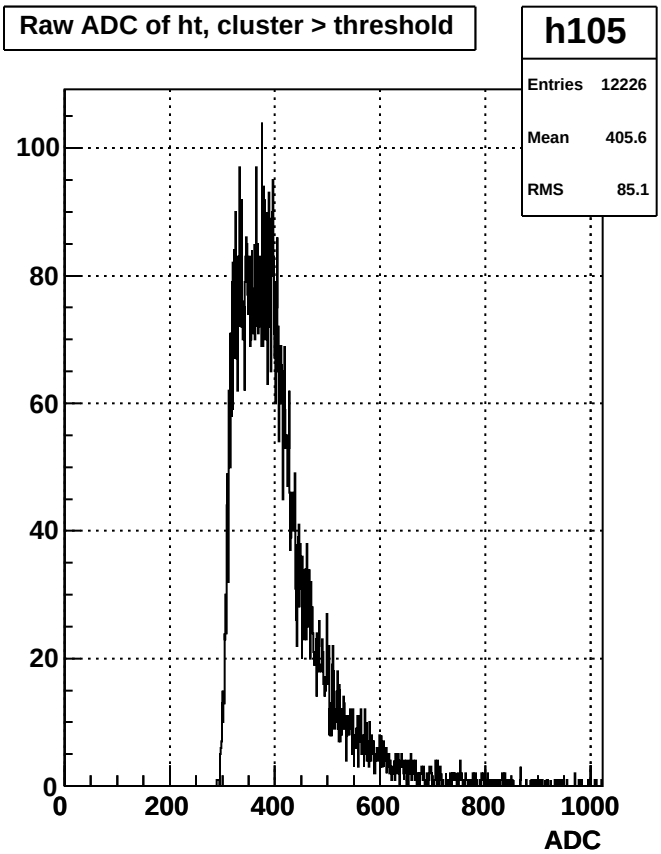

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 12226
Mean 2351
RMS 1418
0
20
40
60
80
100
120
140
160
180
200
0
500
1000
1500
2000
2500
3000
3500
4000
4500

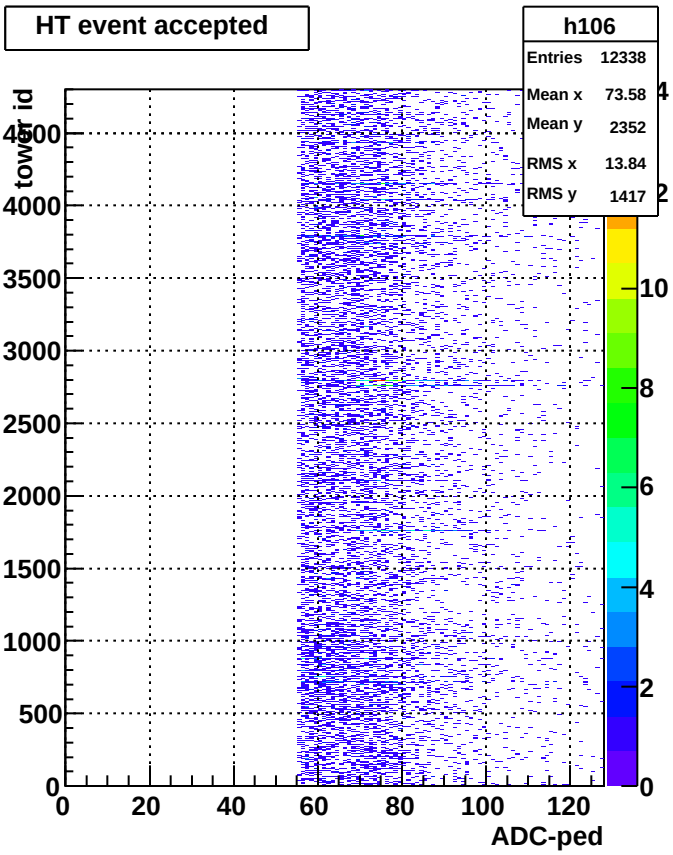

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.87
Mean y 58.25
RMS x 12.43
RMS y 35.42
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

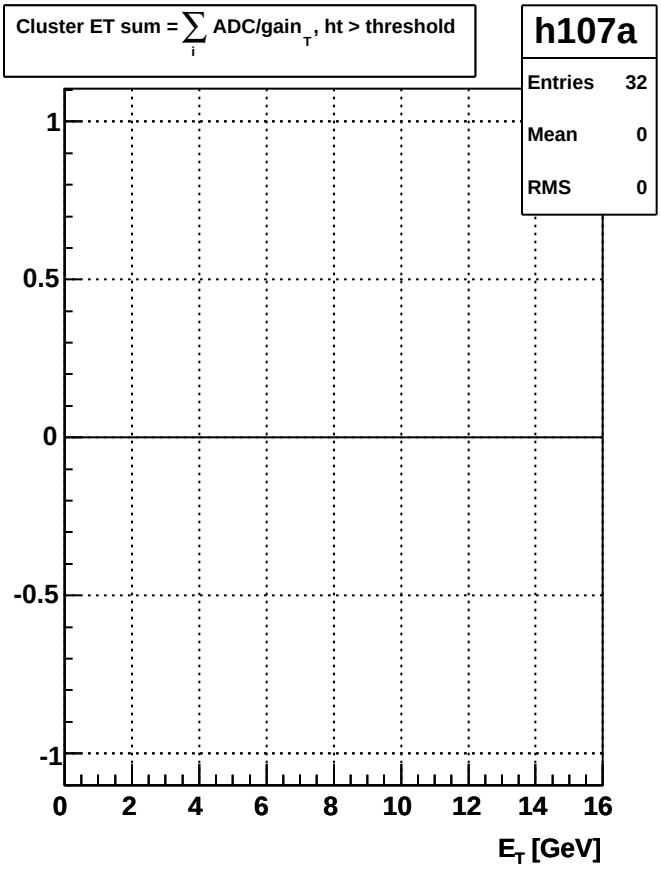

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.86
Mean y 58.23
RMS x 12.43
RMS y 35.44
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

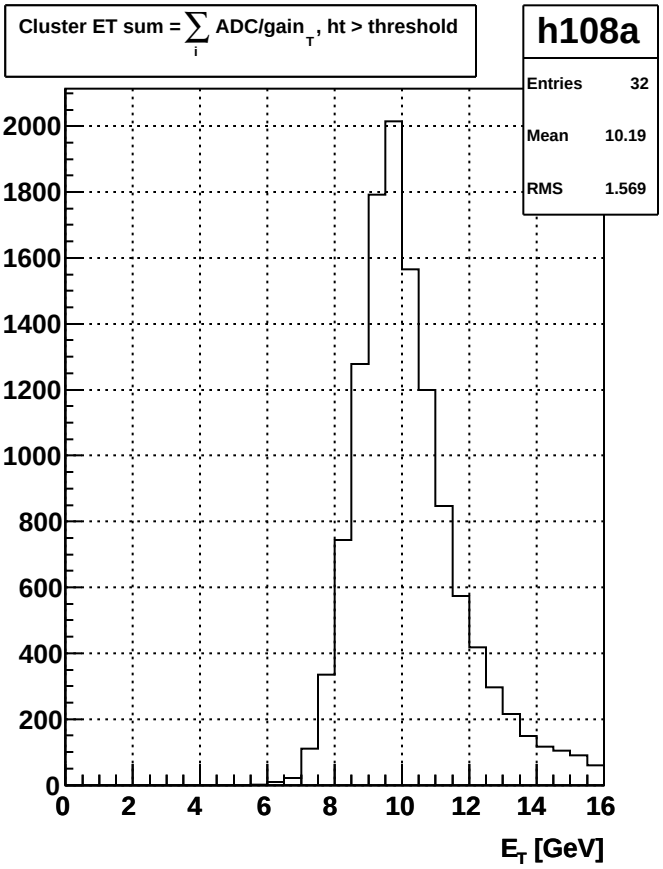

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

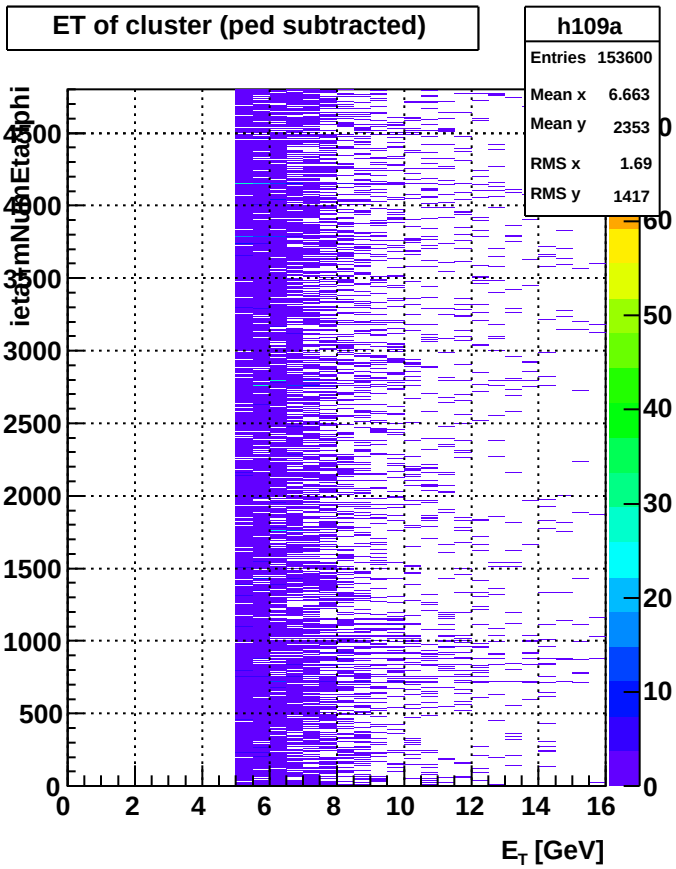

Raw ADC of ht, ht > threshold
h104
Entries 22574
Mean 373.6
RMS 72.89
300
250
200
150
100
50
0
0
200
400
600
800
1000
ADC

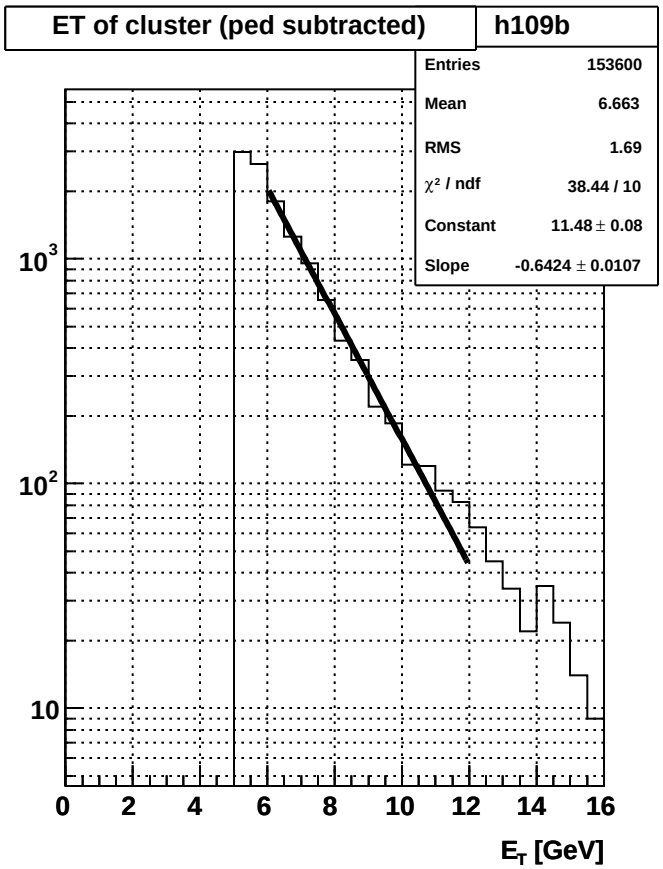

Raw ADC of ht, cluster > threshold
h105
Entries 12226
Mean 405.6
RMS 85.1
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 12338
Mean x 73.58
Mean y 2352
RMS x 13.84
RMS y 1417
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 10.19
RMS 1.569
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.663
Mean y 2353
RMS x 1.69
RMS y 1417
ietaTimNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.663
RMS 1.69
χ^2 / ndf 38.44 / 10
Constant 11.48 ± 0.08
Slope -0.6424 ± 0.0107
E_T [GeV]