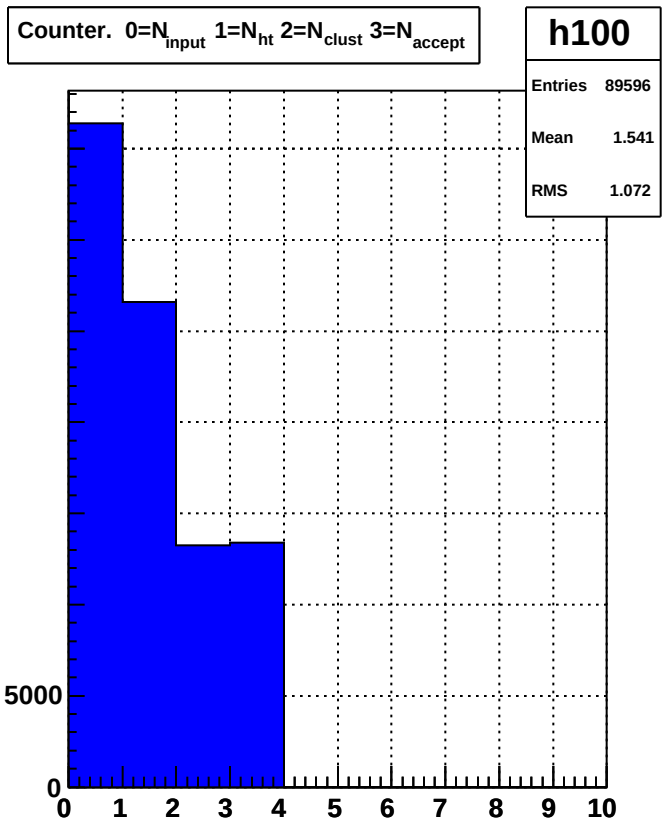
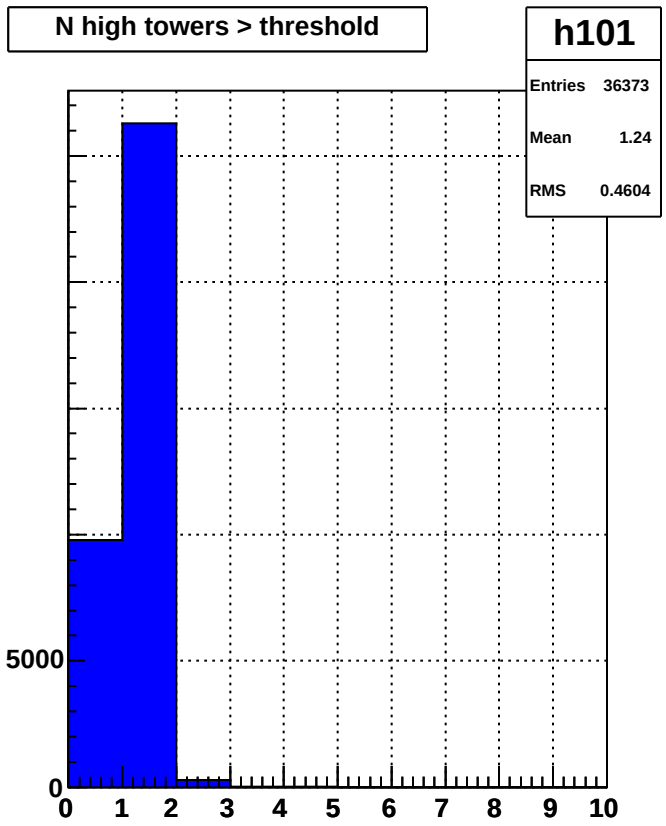
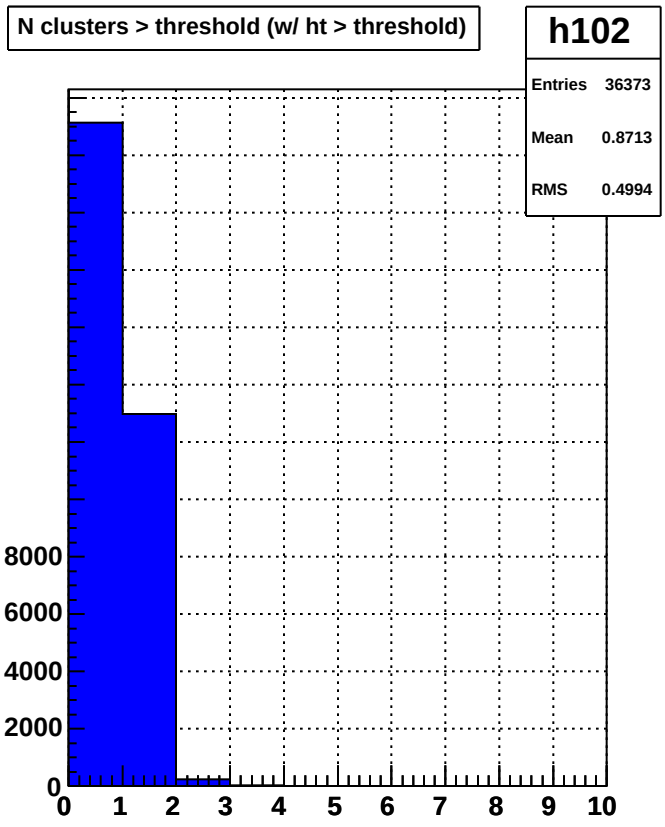
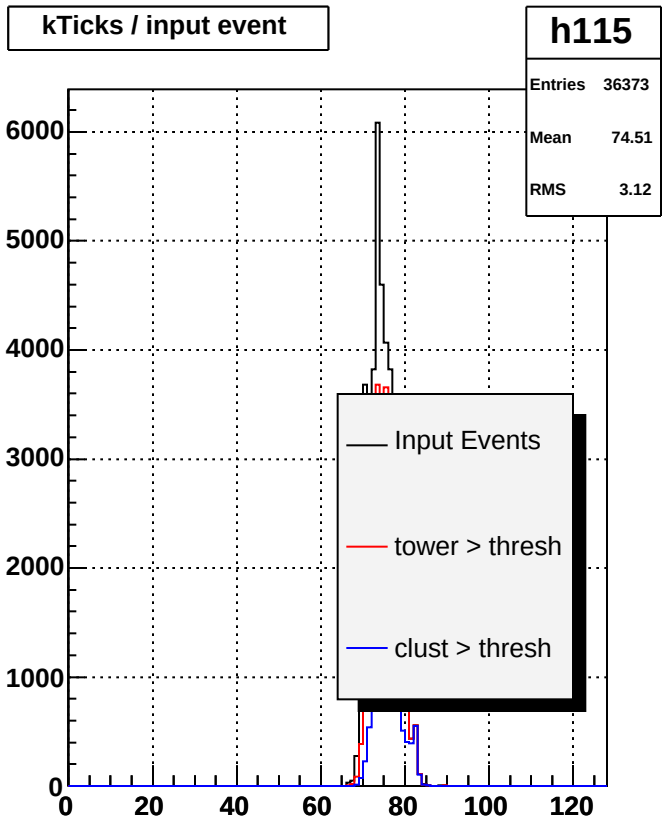
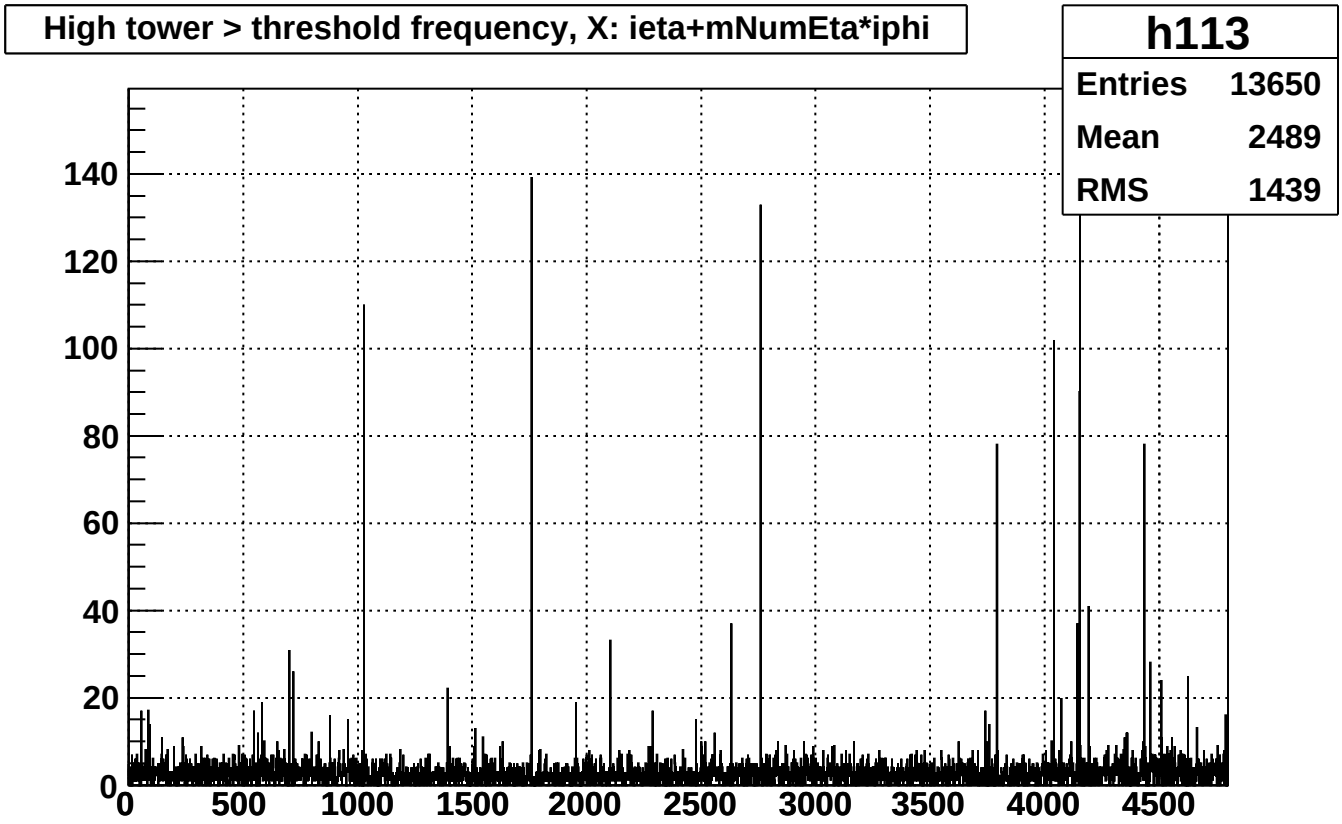
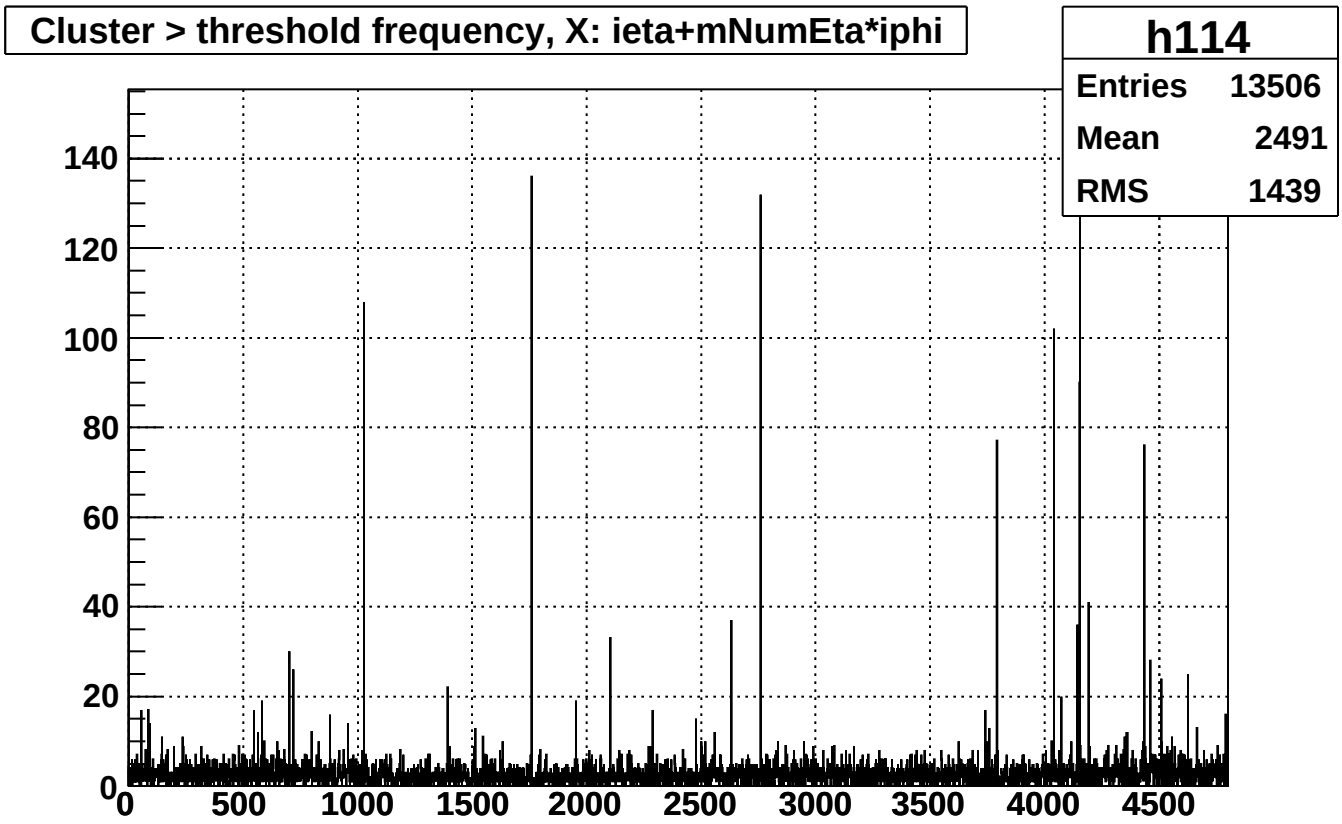

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 89596
Mean 1.541
RMS 1.072
5000
0
0 1 2 3 4 5 6 7 8 9 10

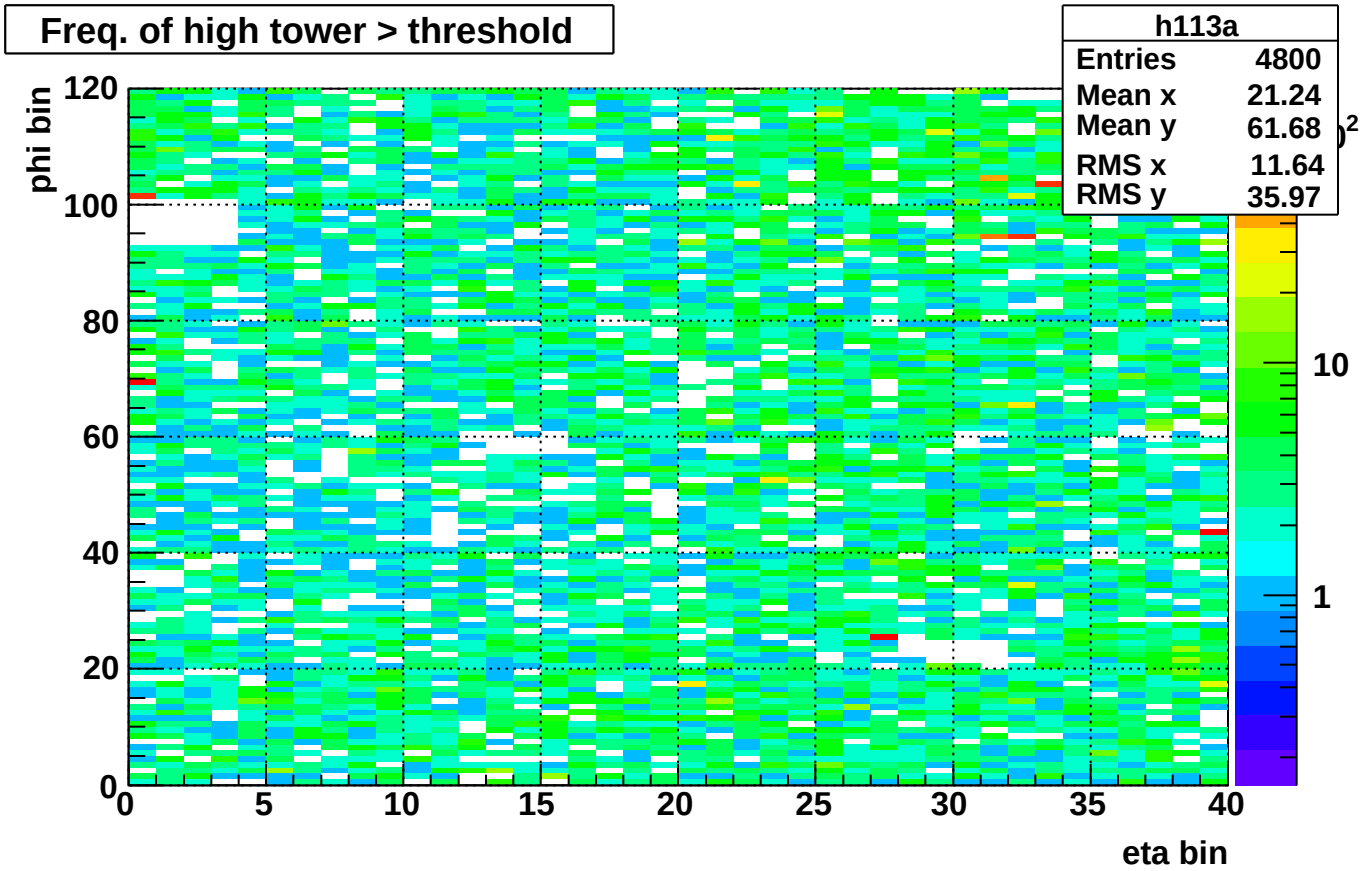

N high towers > threshold
h101
Entries 36373
Mean 1.24
RMS 0.4604
5000
0
0 1 2 3 4 5 6 7 8 9 10

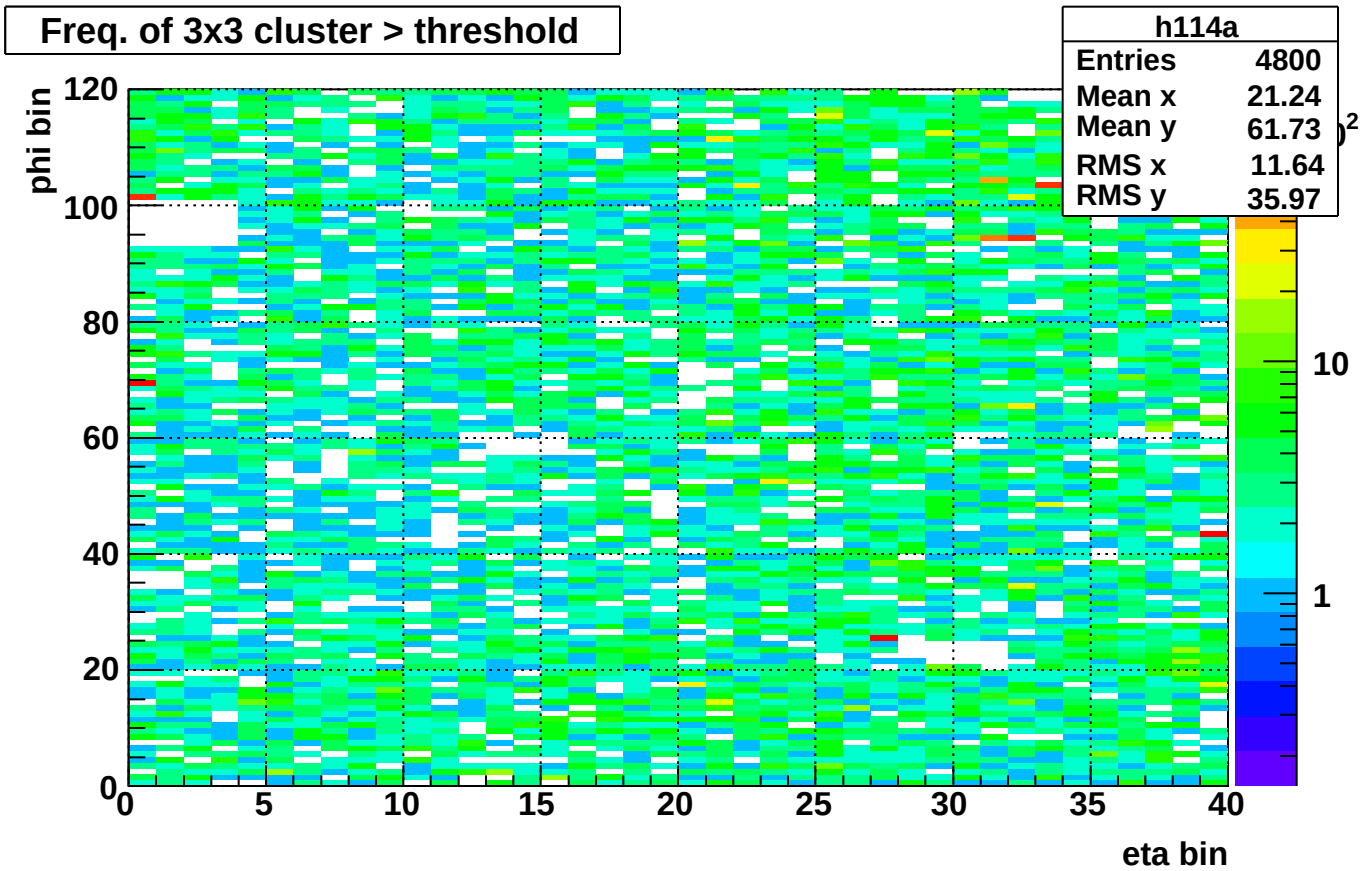

N clusters > threshold (w/ ht > threshold)
h102
Entries 36373
Mean 0.8713
RMS 0.4994
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10

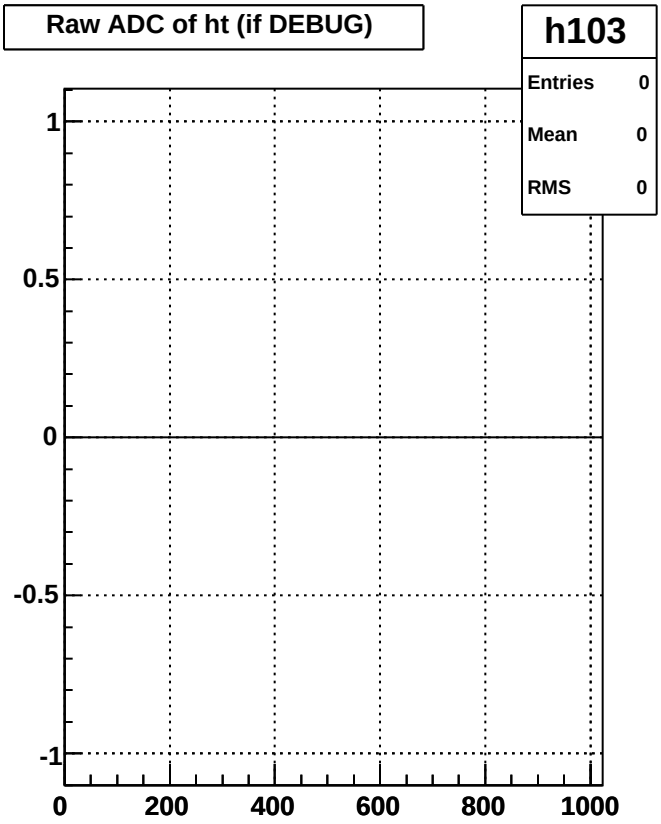

kTicks / input event
h115
Entries 36373
Mean 74.51
RMS 3.12
6000
5000
4000
3000
2000
1000
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

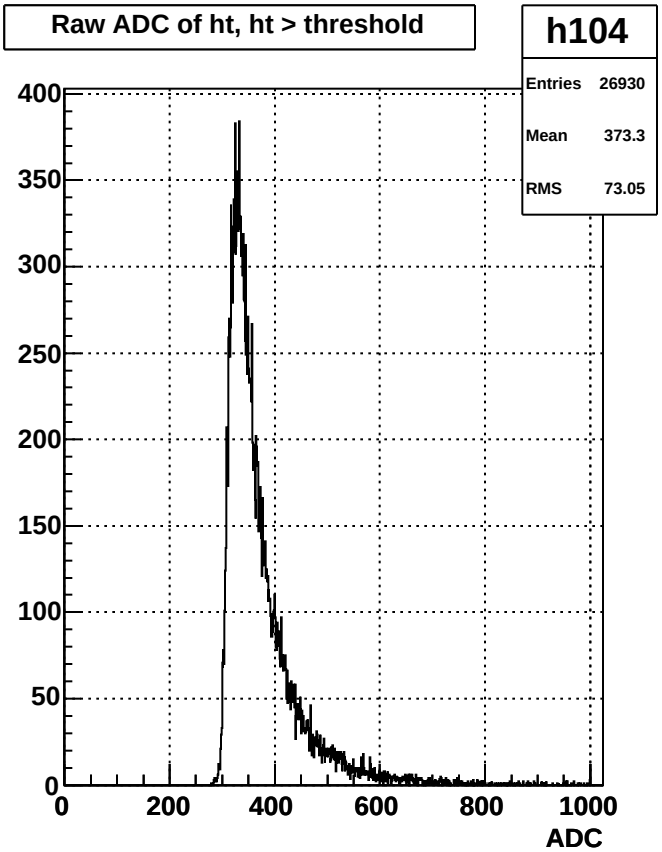

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 13650
Mean 2489
RMS 1439
0
20
40
60
80
100
120
140
0
500
1000
1500
2000
2500
3000
3500
4000
4500

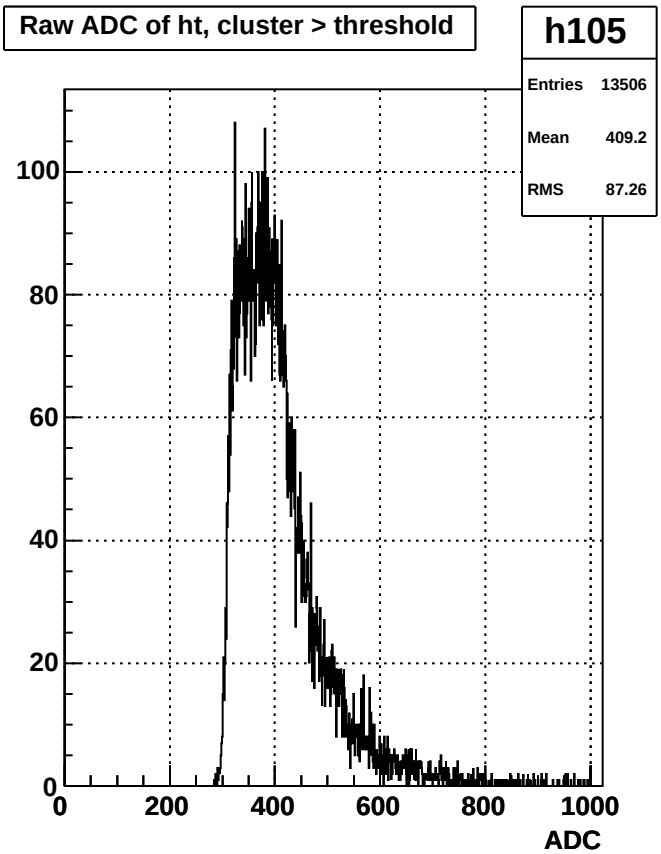

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 13506
Mean 2491
RMS 1439
0
20
40
60
80
100
120
140
0
500
1000
1500
2000
2500
3000
3500
4000
4500

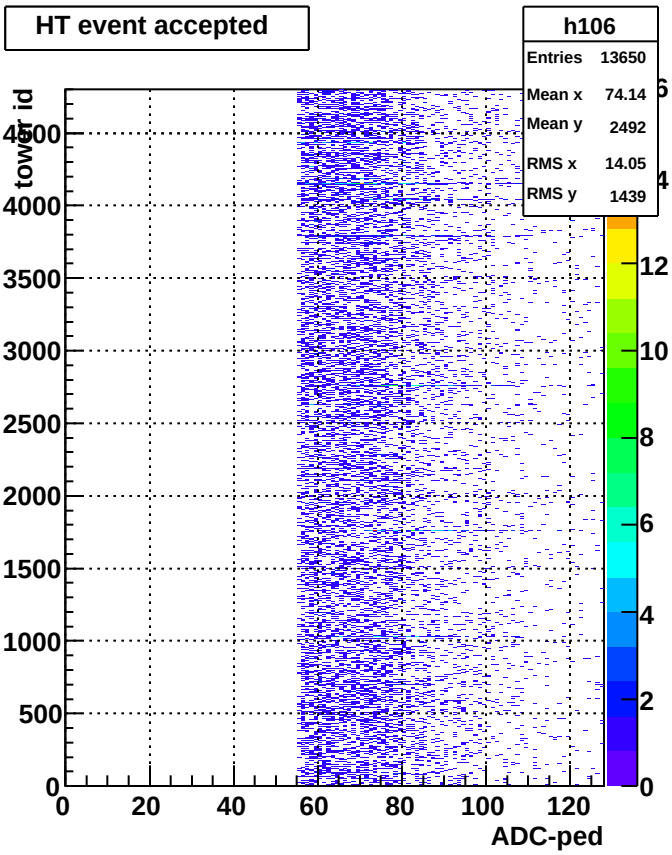

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 21.24
Mean y 61.68
RMS x 11.64
RMS y 35.97
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

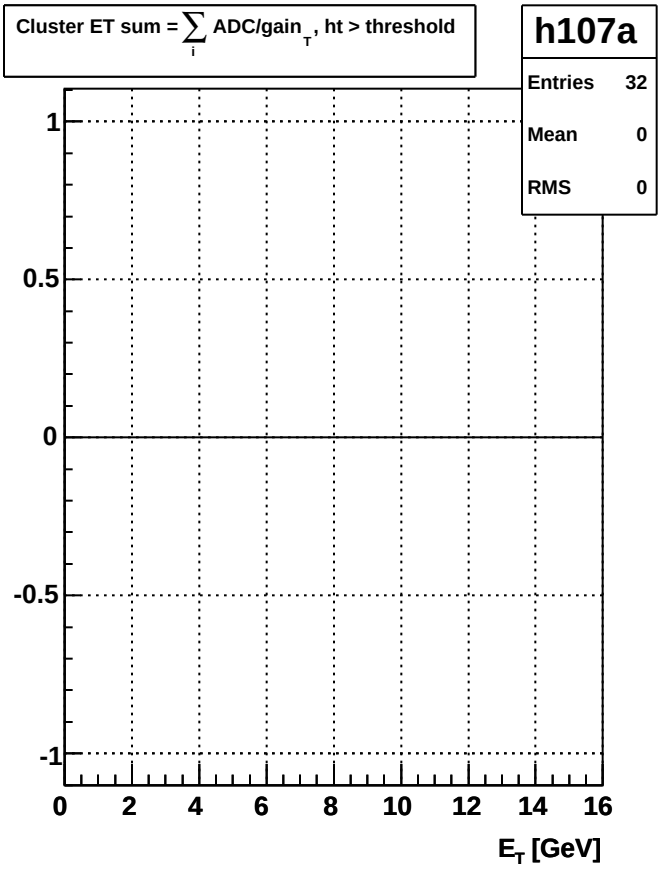

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 21.24
Mean y 61.73
RMS x 11.64
RMS y 35.97
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

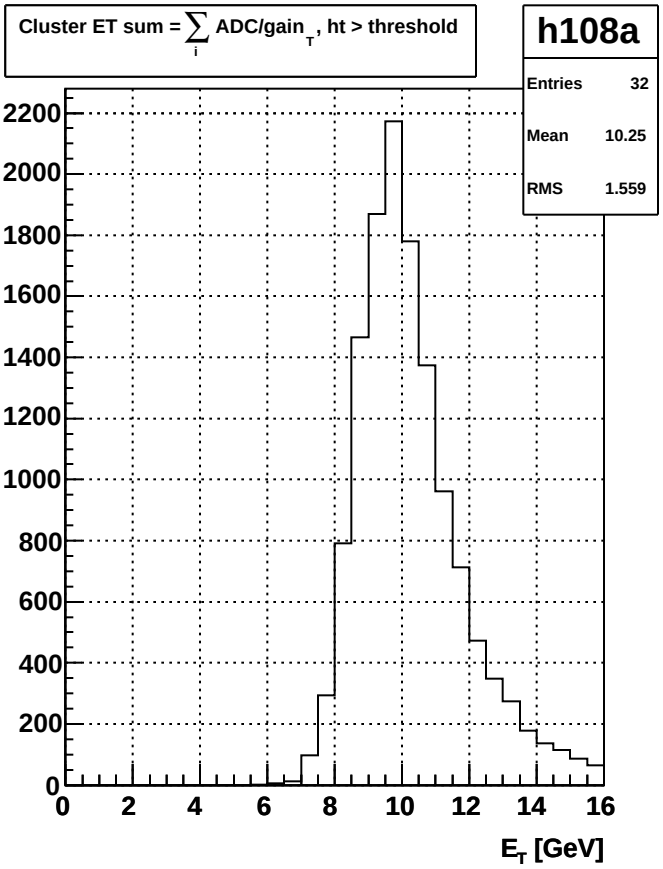

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

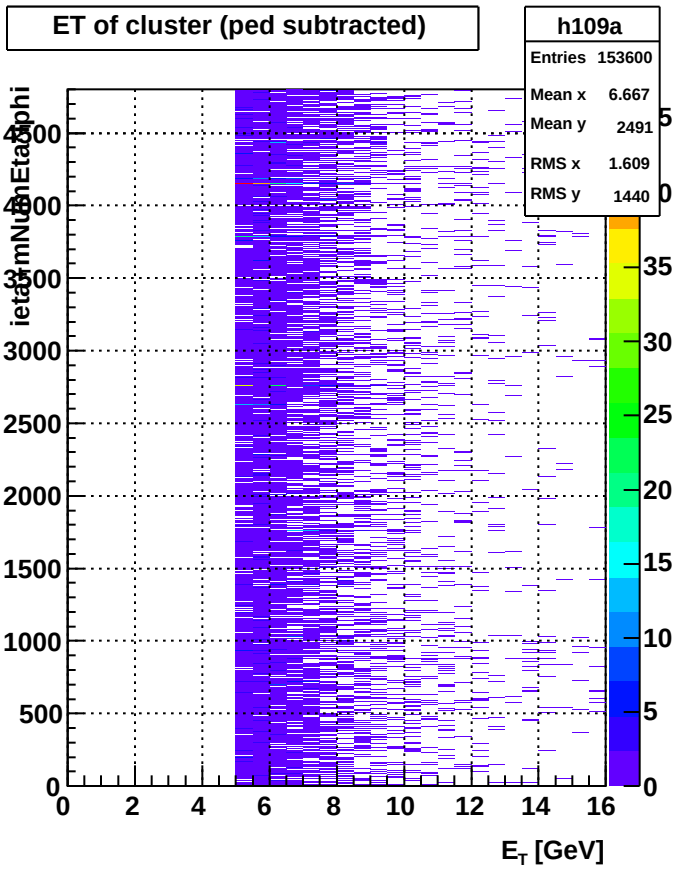

Raw ADC of ht, ht > threshold
h104
Entries 26930
Mean 373.3
RMS 73.05
400
350
300
250
200
150
100
50
0
0
200
400
600
800
1000
ADC

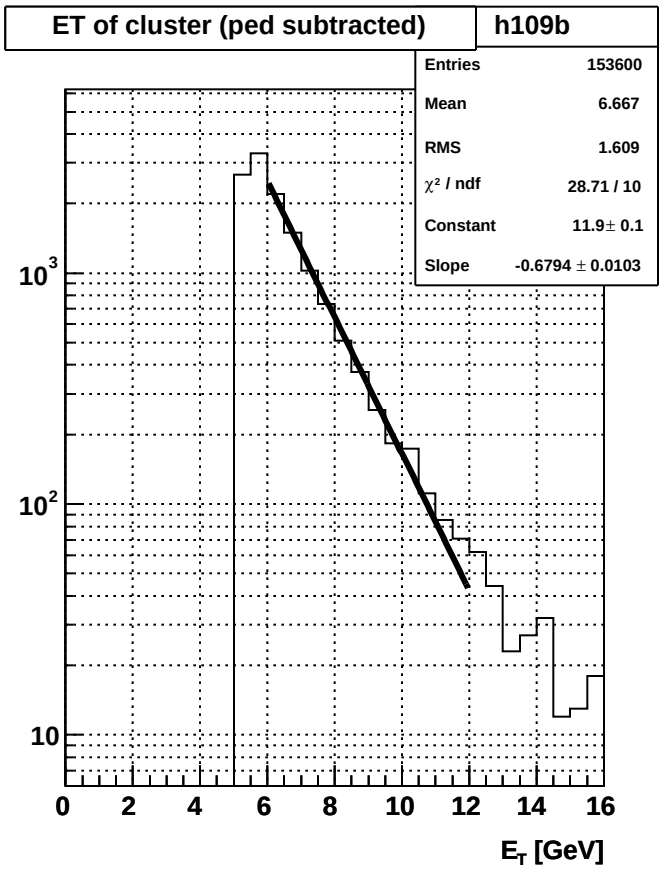

Raw ADC of ht, cluster > threshold
h105
Entries 13506
Mean 409.2
RMS 87.26
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 13650
Mean x 74.14
Mean y 2492
RMS x 14.05
RMS y 1439
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
12
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 10.25
RMS 1.559
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.667
Mean y 2491
RMS x 1.609
RMS y 1440
ietaNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.667
RMS 1.609
χ^2 / ndf 28.71 / 10
Constant 11.9 ± 0.1
Slope -0.6794 ± 0.0103
E_T [GeV]