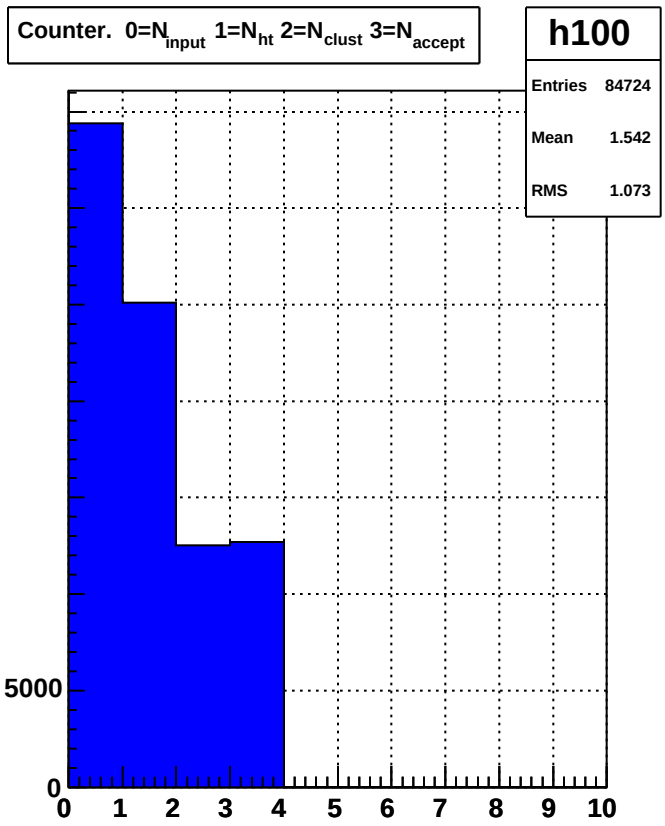
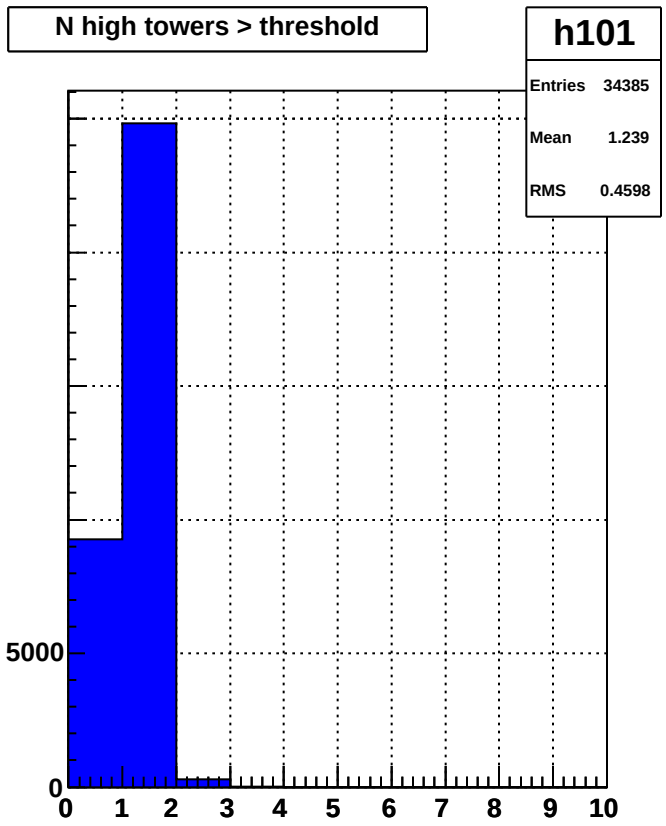
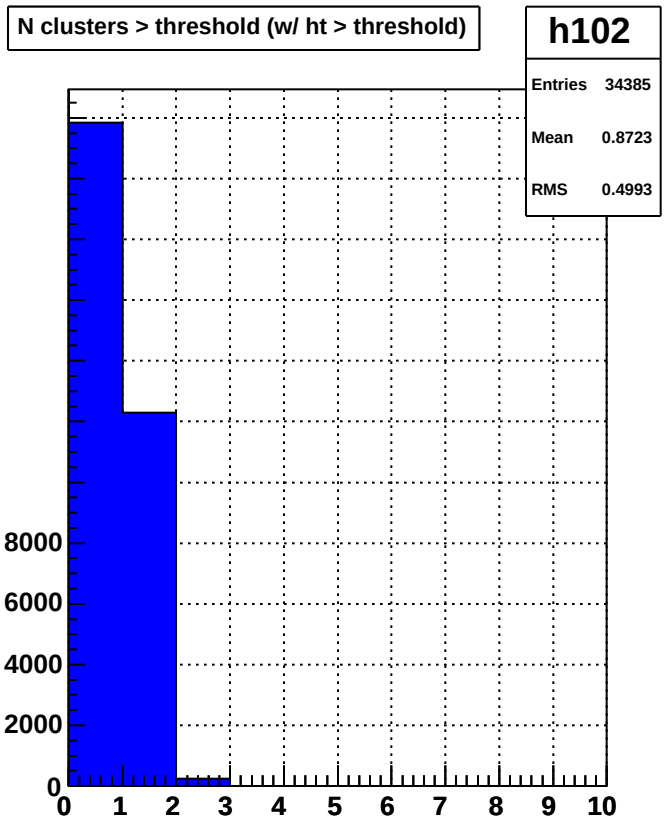
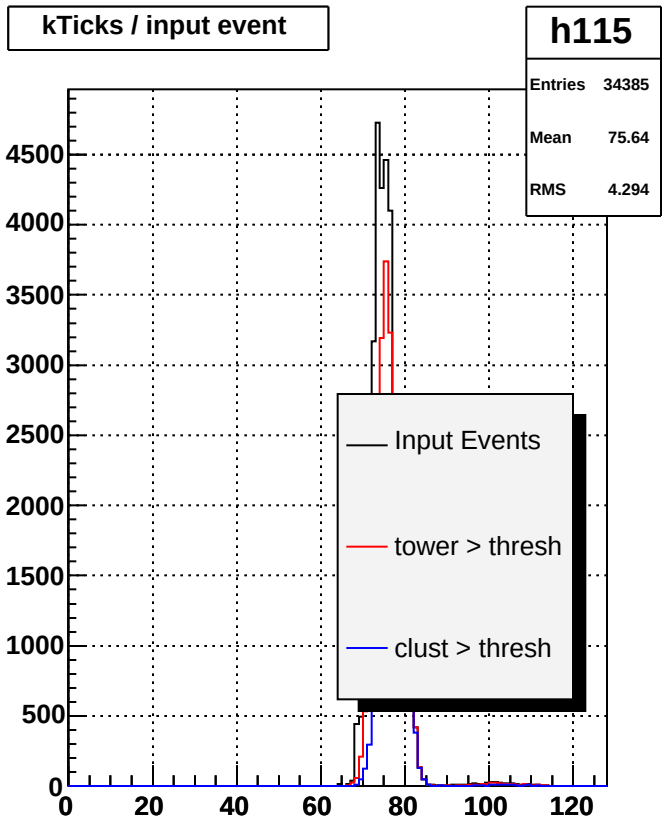
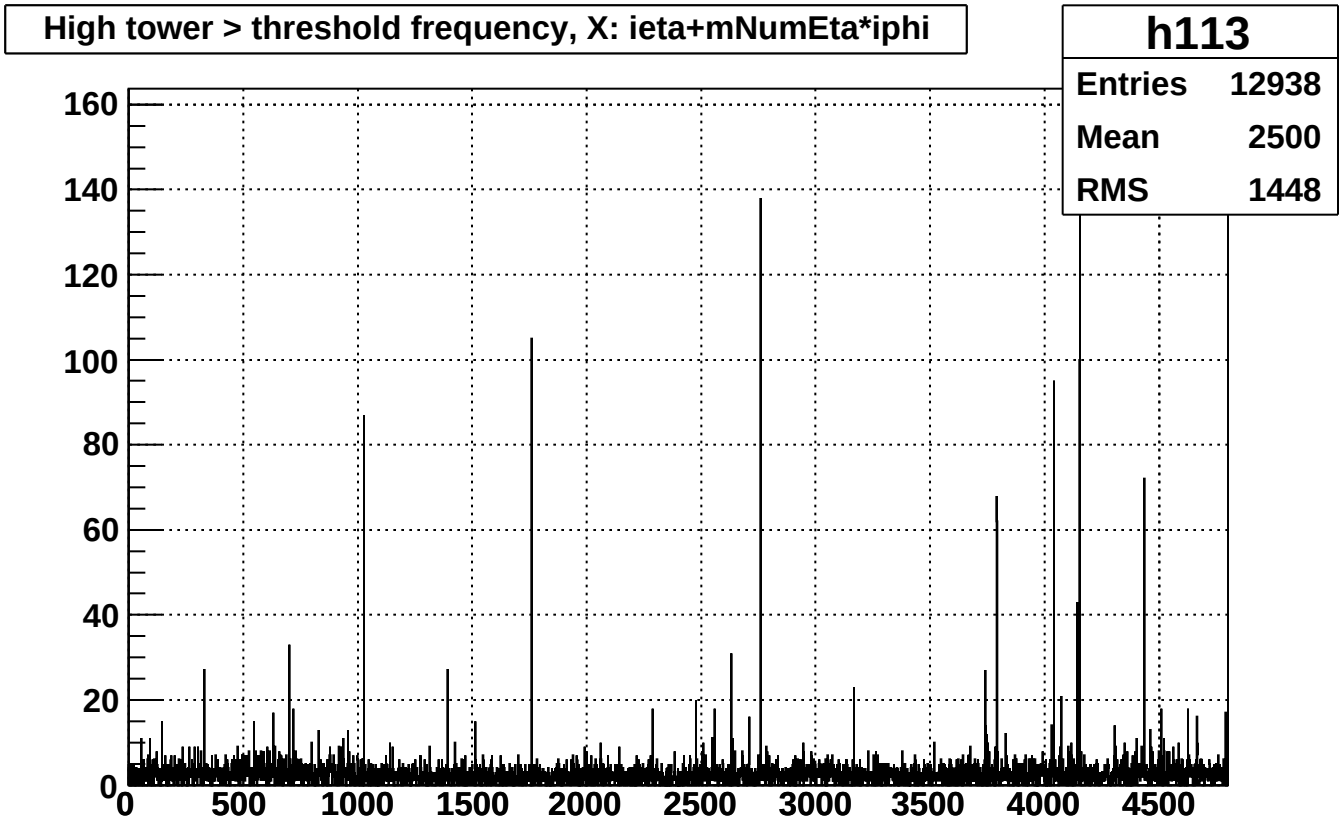
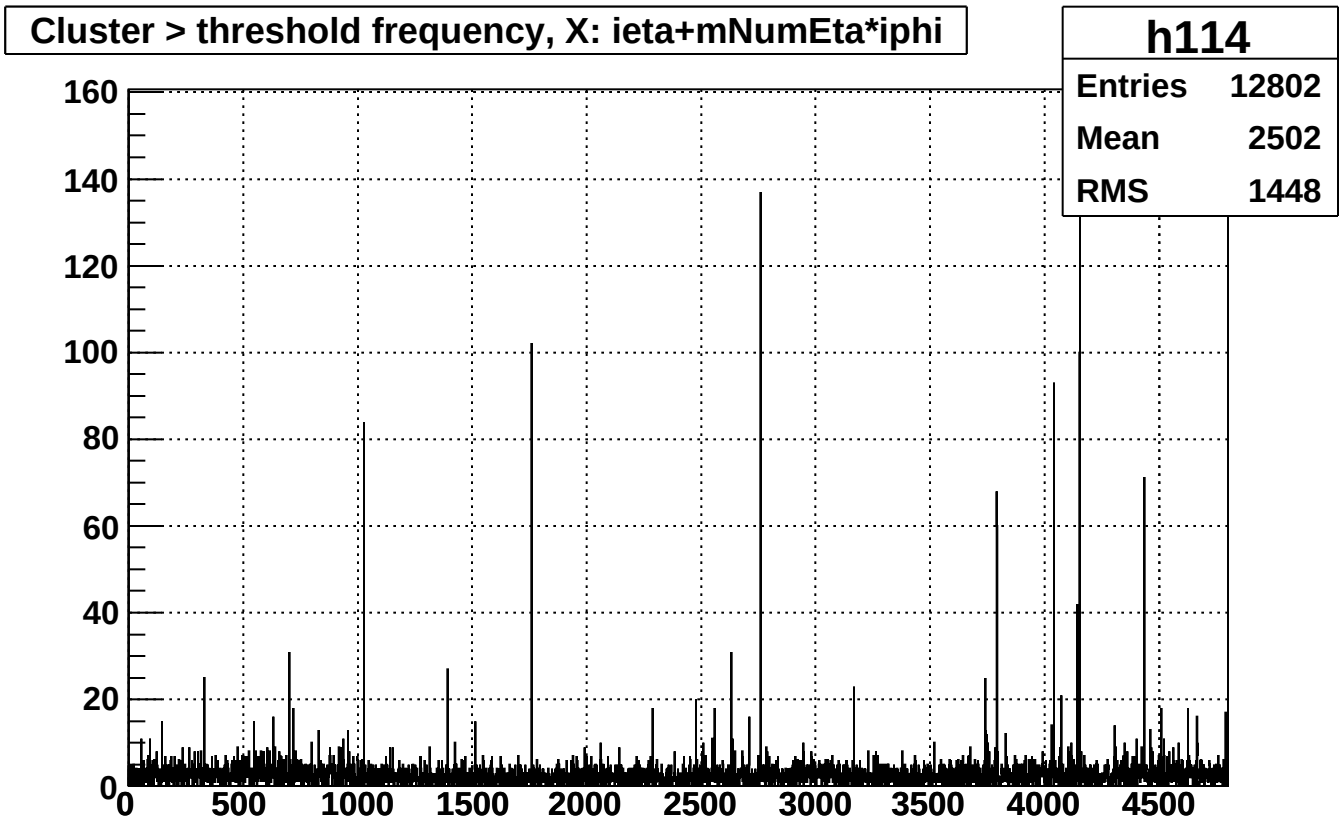

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 84724
Mean 1.542
RMS 1.073
5000
0
0 1 2 3 4 5 6 7 8 9 10

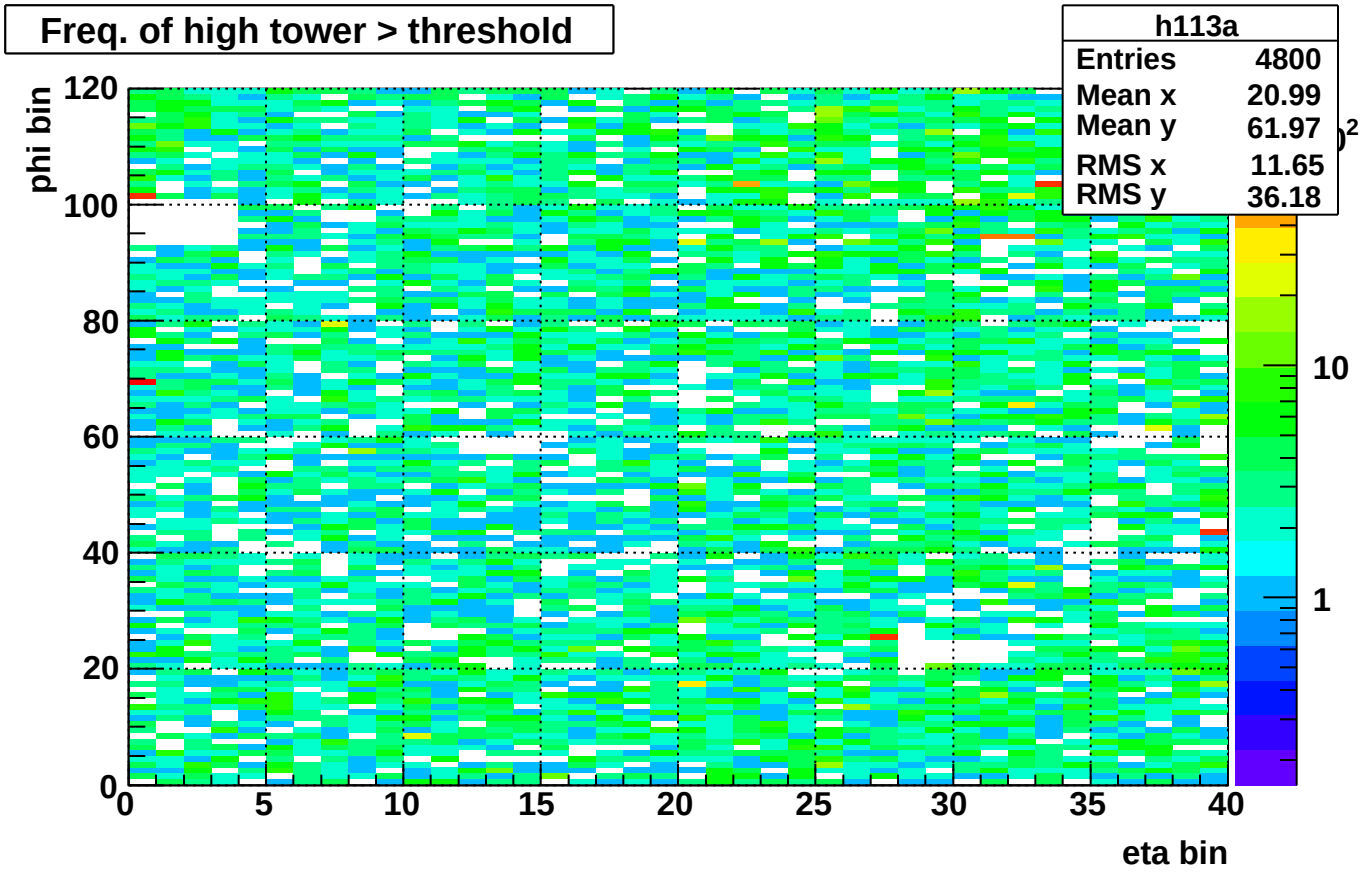

N high towers > threshold
h101
Entries 34385
Mean 1.239
RMS 0.4598
5000
0
0 1 2 3 4 5 6 7 8 9 10

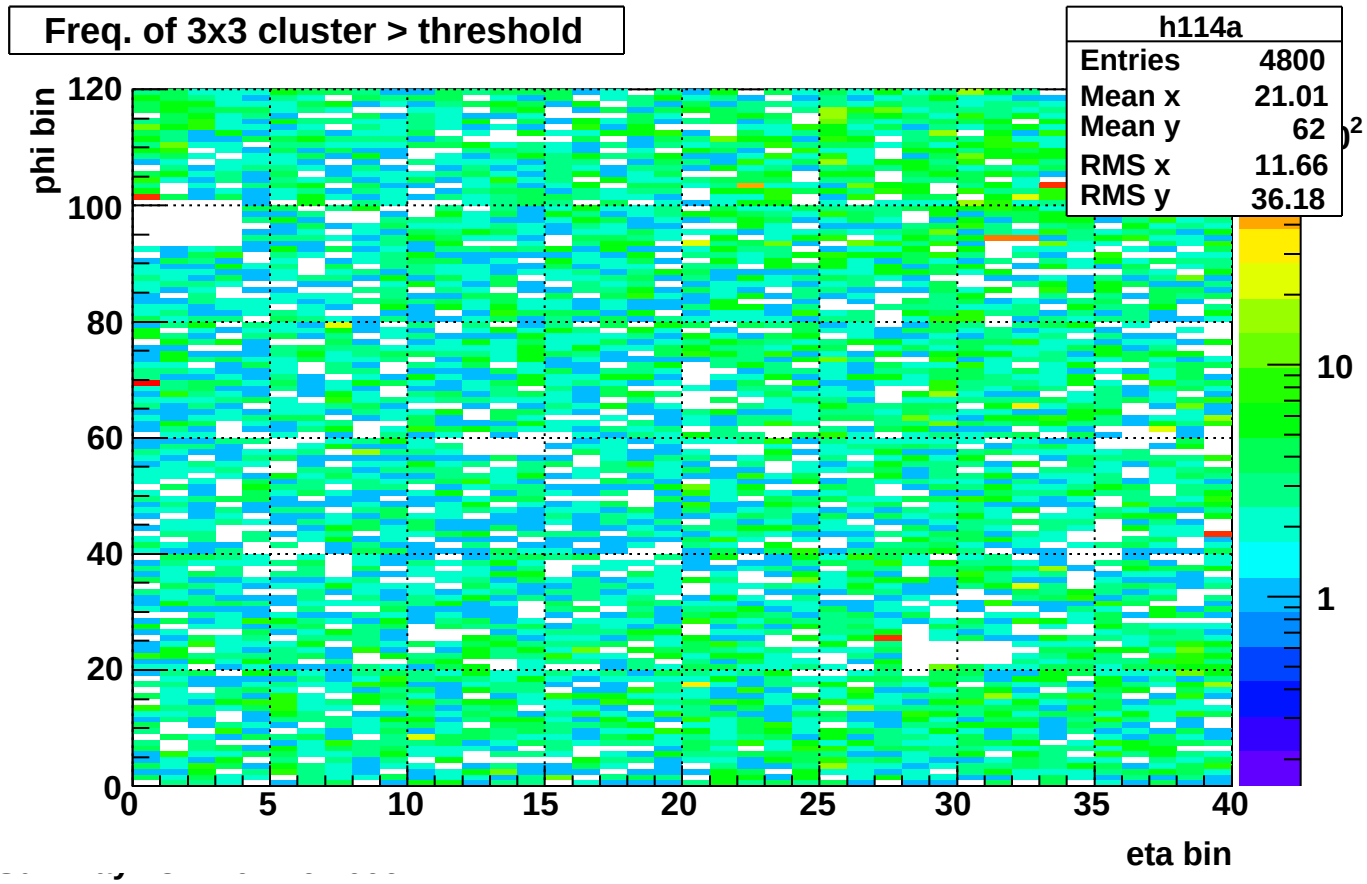

N clusters > threshold (w/ ht > threshold)
h102
Entries 34385
Mean 0.8723
RMS 0.4993
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7 8 9 10

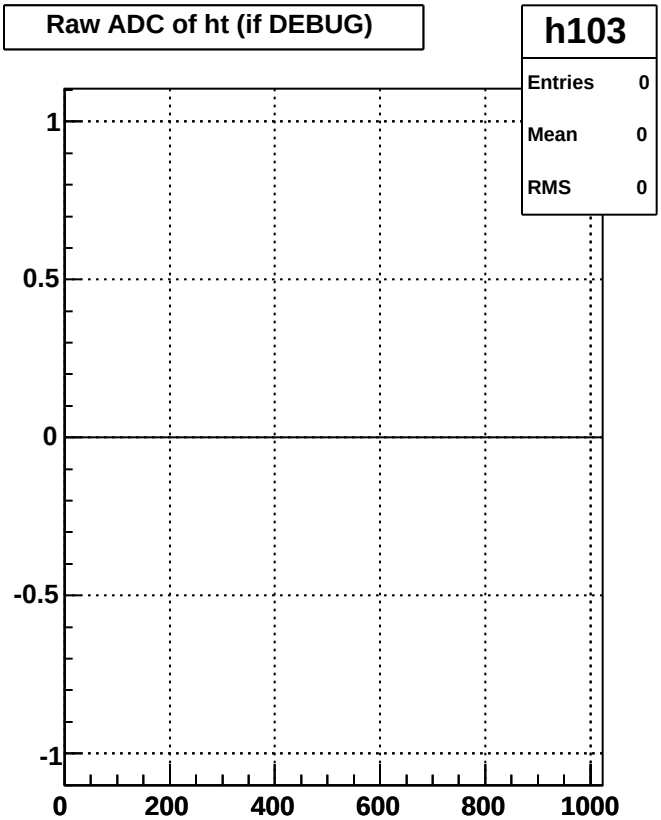

kTicks / input event
h115
Entries 34385
Mean 75.64
RMS 4.294
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

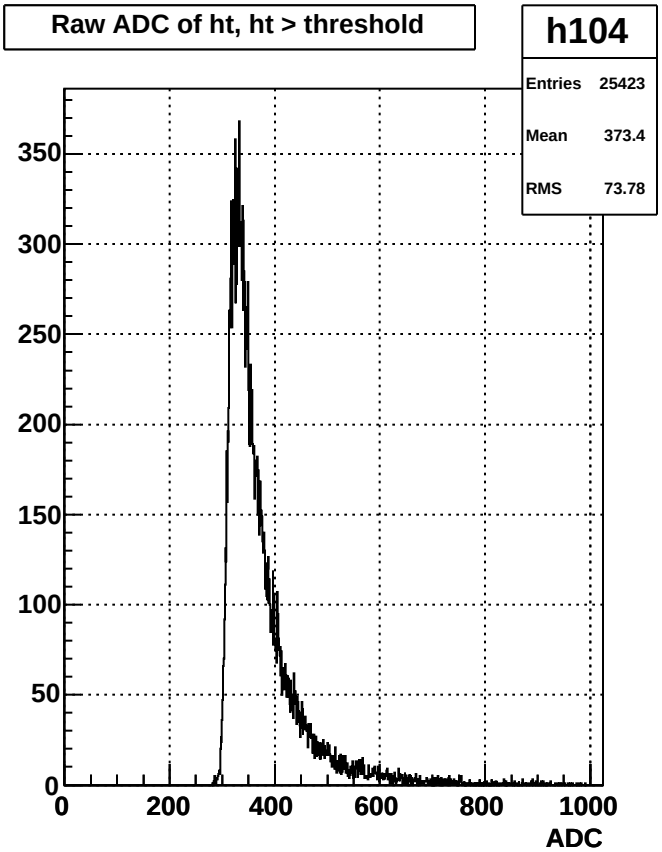

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 12938
Mean 2500
RMS 1448
0
20
40
60
80
100
120
140
160
0
500
1000
1500
2000
2500
3000
3500
4000
4500

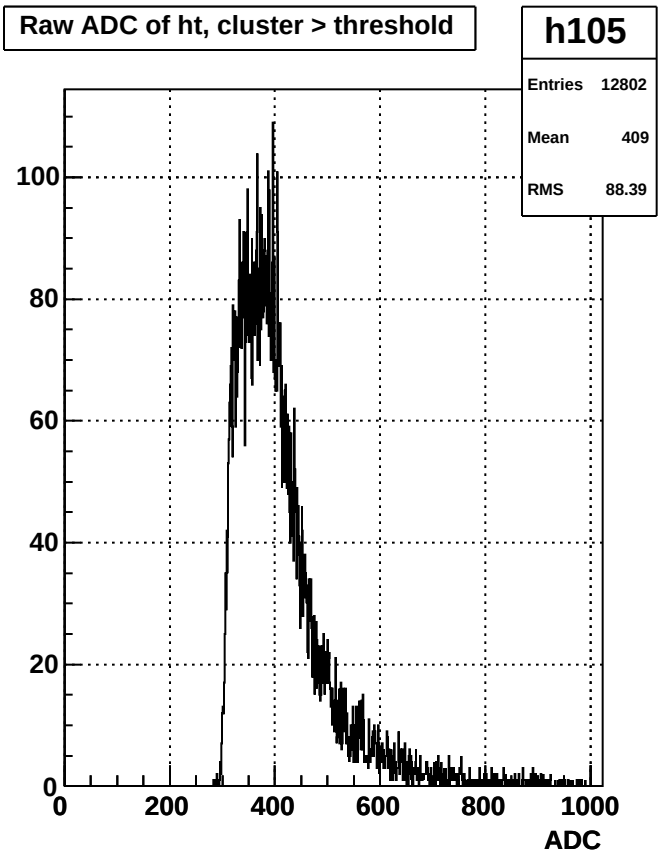

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 12802
Mean 2502
RMS 1448
0
20
40
60
80
100
120
140
160
0
500
1000
1500
2000
2500
3000
3500
4000
4500

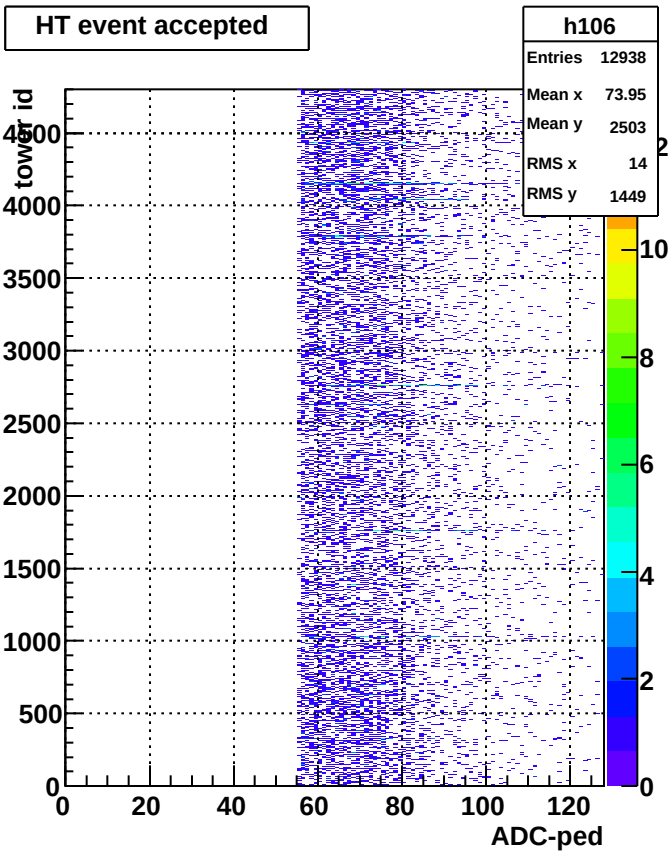

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.99
Mean y 61.97
RMS x 11.65
RMS y 36.18
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

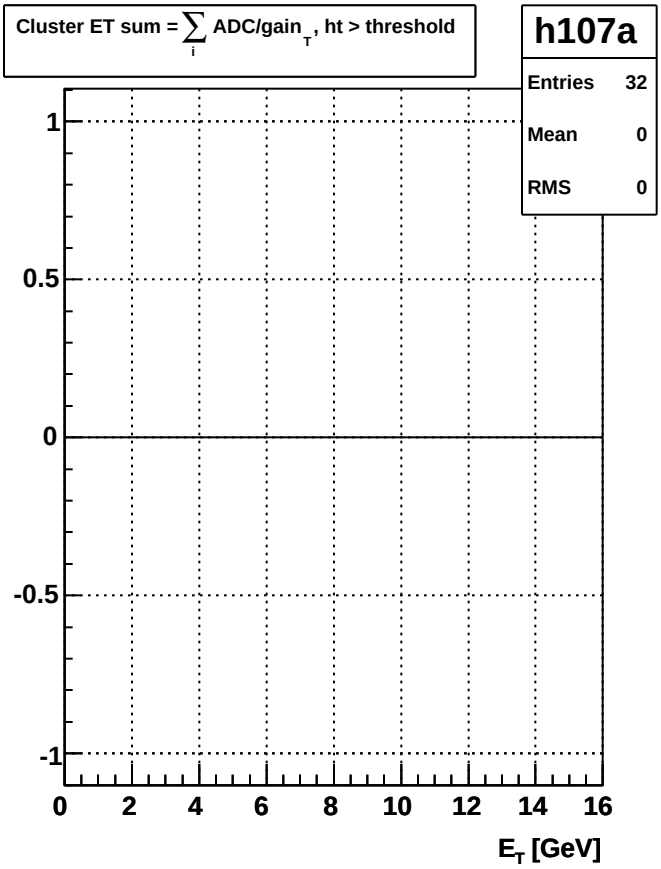

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 21.01
Mean y 62
RMS x 11.66
RMS y 36.18
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

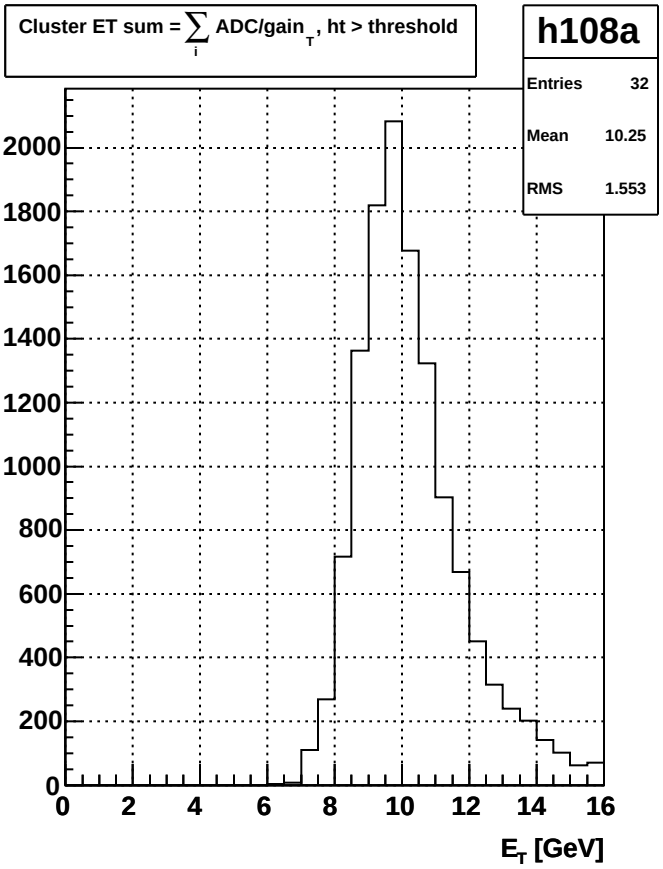

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

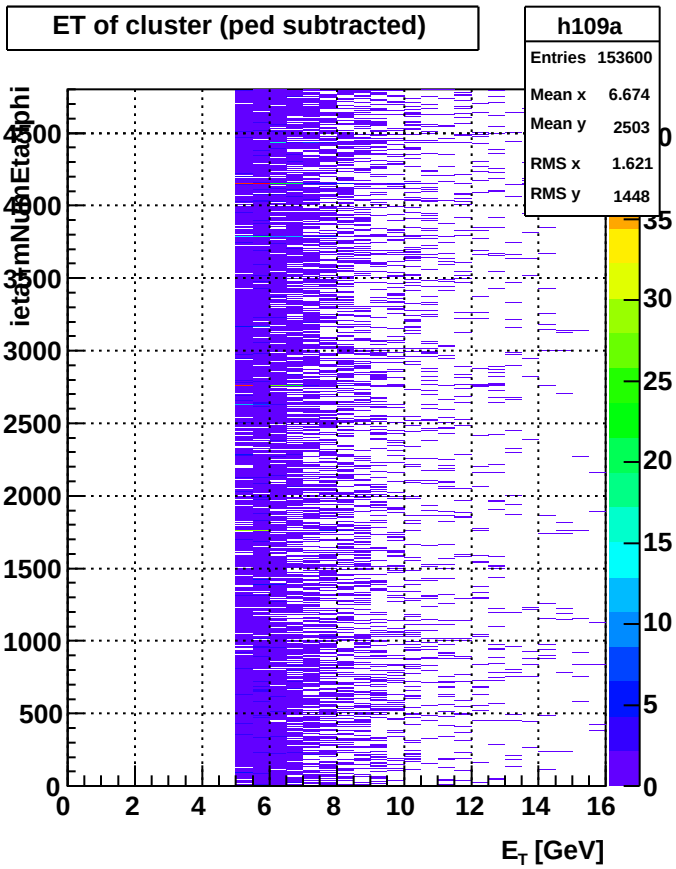

Raw ADC of ht, ht > threshold
h104
Entries 25423
Mean 373.4
RMS 73.78
350
300
250
200
150
100
50
0
0
200
400
600
800
1000
ADC

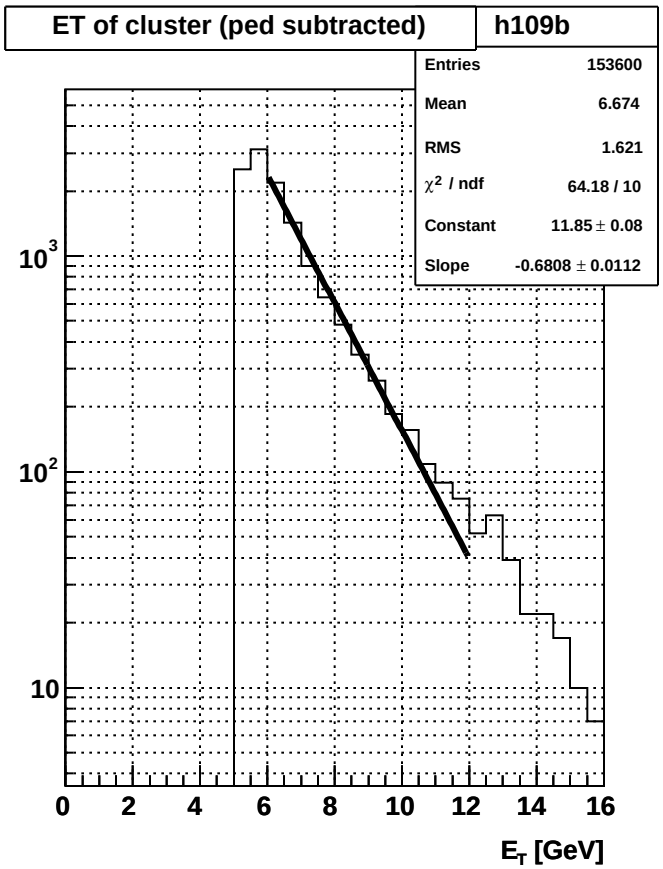

Raw ADC of ht, cluster > threshold
h105
Entries 12802
Mean 409
RMS 88.39
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 12938
Mean x 73.95
Mean y 2503
RMS x 14
RMS y 1449
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 10.25
RMS 1.553
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.674
Mean y 2503
RMS x 1.621
RMS y 1448
ietaNumEtaphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.674
RMS 1.621
χ^2 / ndf 64.18 / 10
Constant 11.85 ± 0.08
Slope -0.6808 ± 0.0112
E_T [GeV]