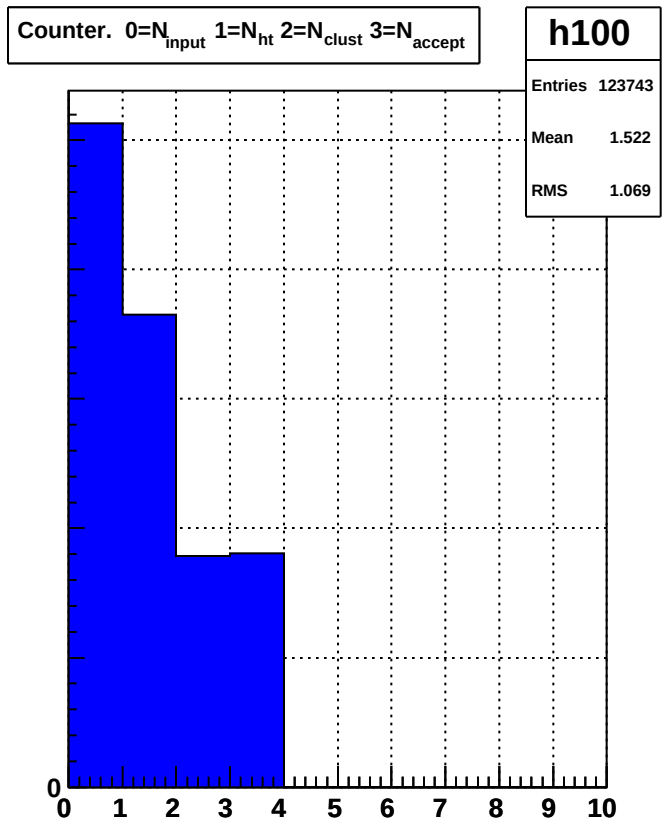
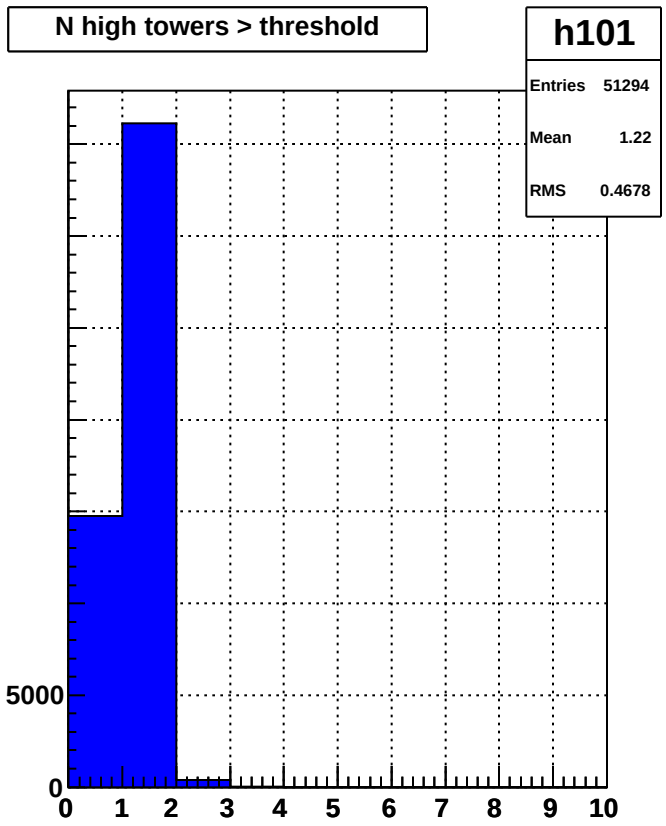
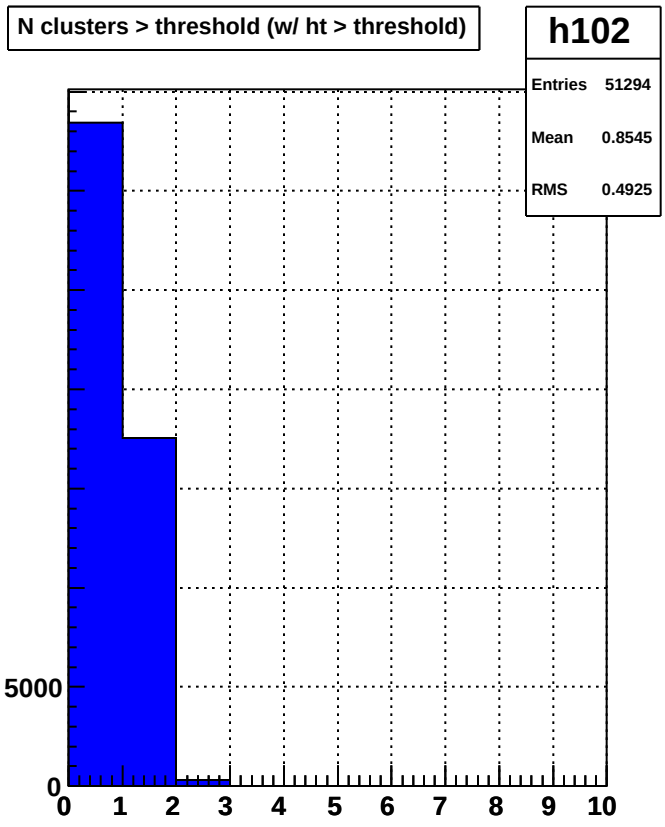
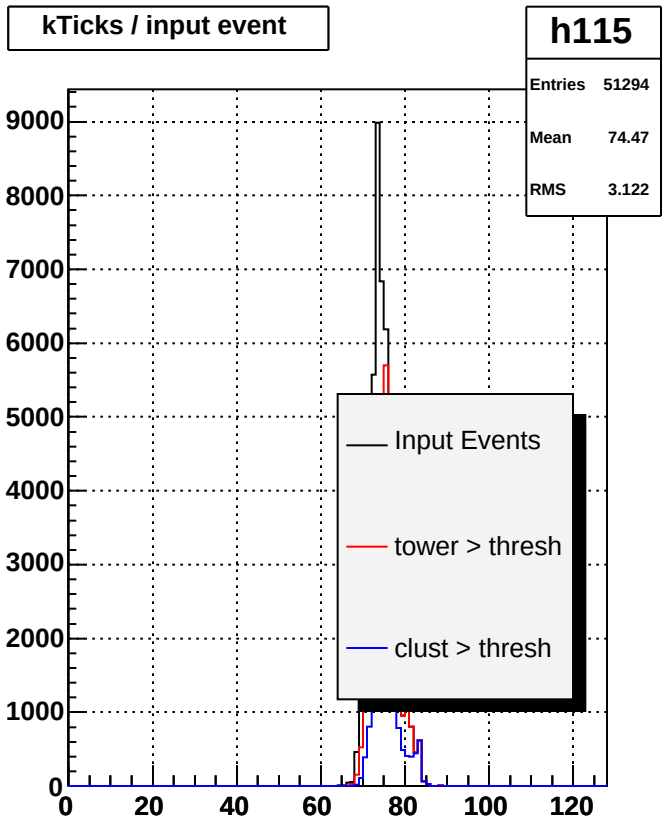
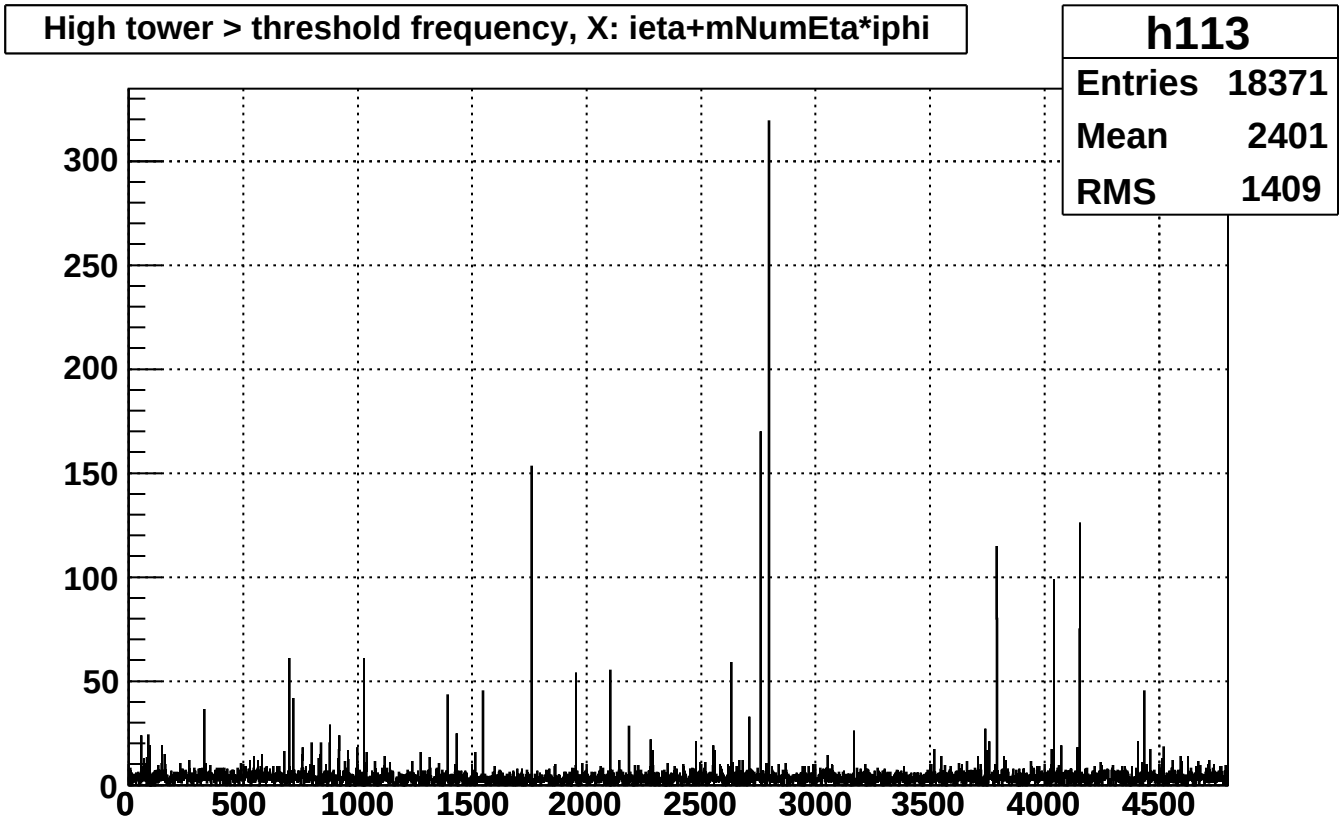
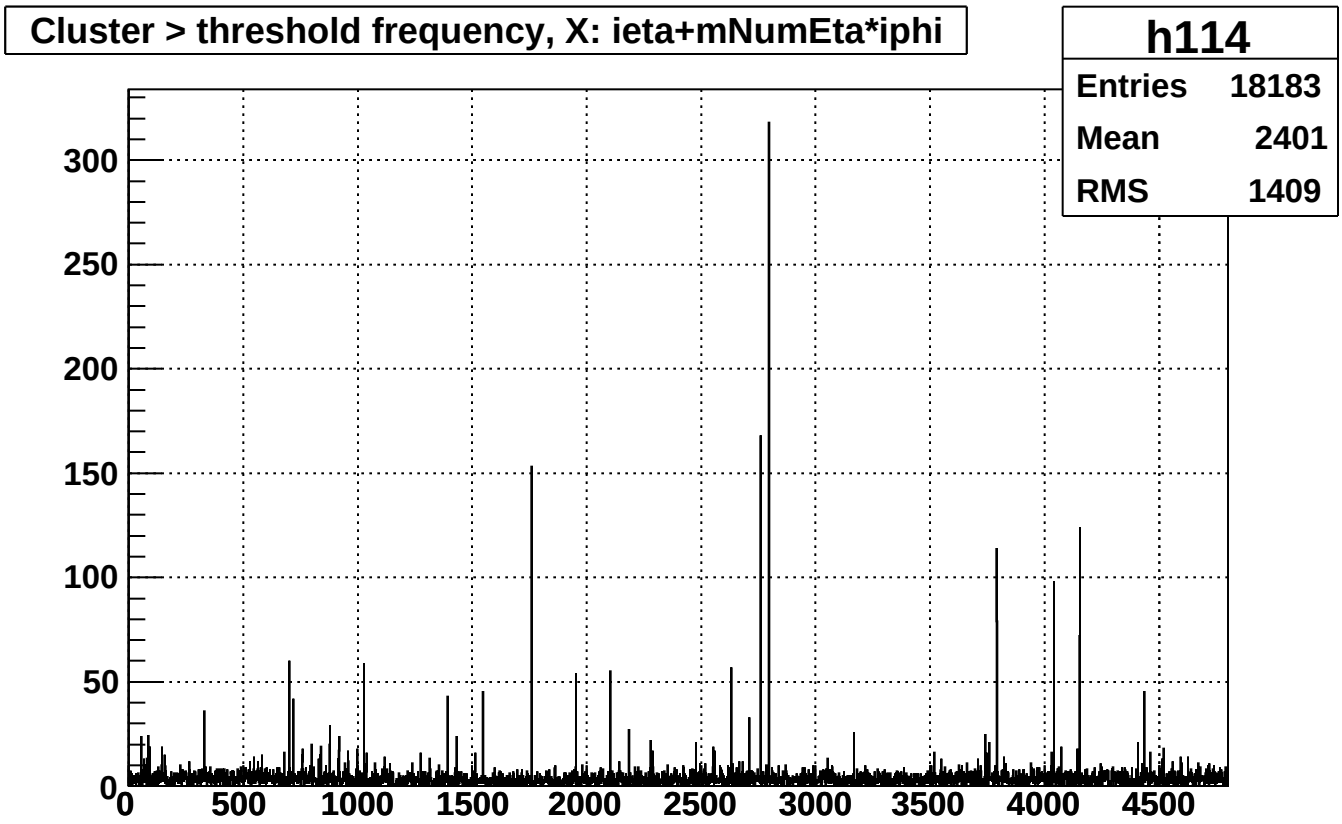

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 123743
Mean 1.522
RMS 1.069
0
0 1 2 3 4 5 6 7 8 9 10

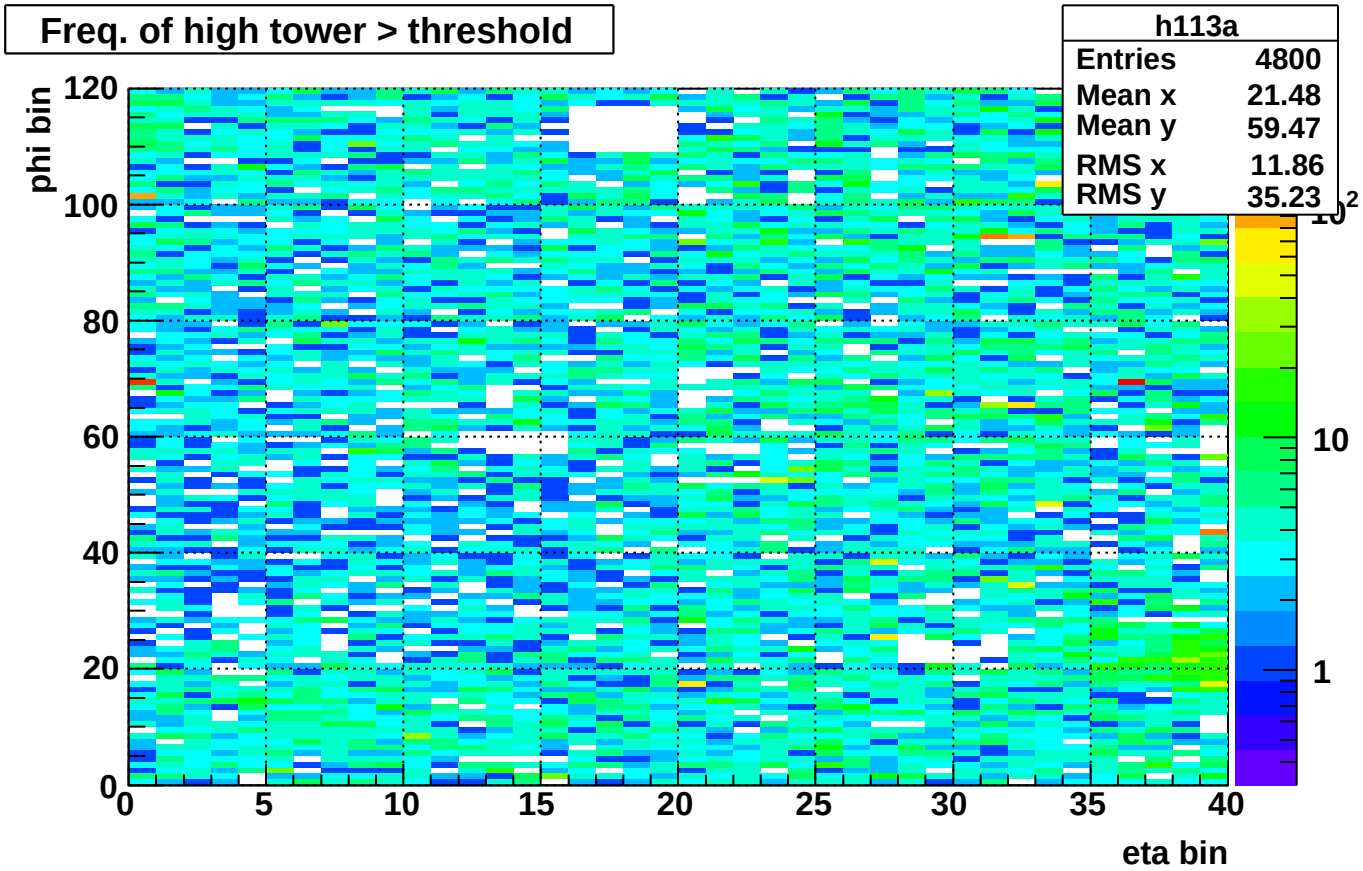

N high towers > threshold
h101
Entries 51294
Mean 1.22
RMS 0.4678
5000
0
0 1 2 3 4 5 6 7 8 9 10

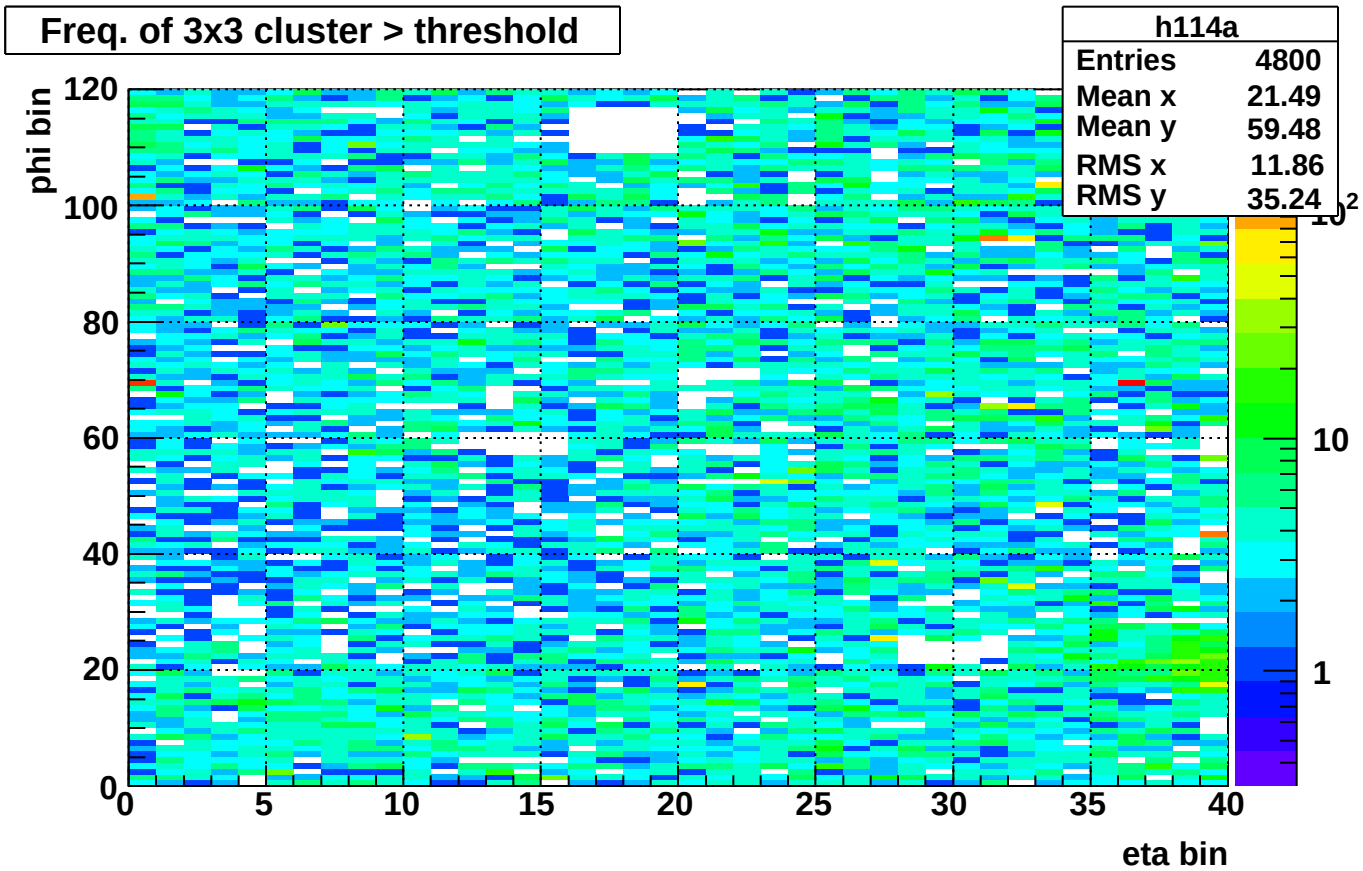

N clusters > threshold (w/ ht > threshold)
h102
Entries 51294
Mean 0.8545
RMS 0.4925
5000
0
0 1 2 3 4 5 6 7 8 9 10

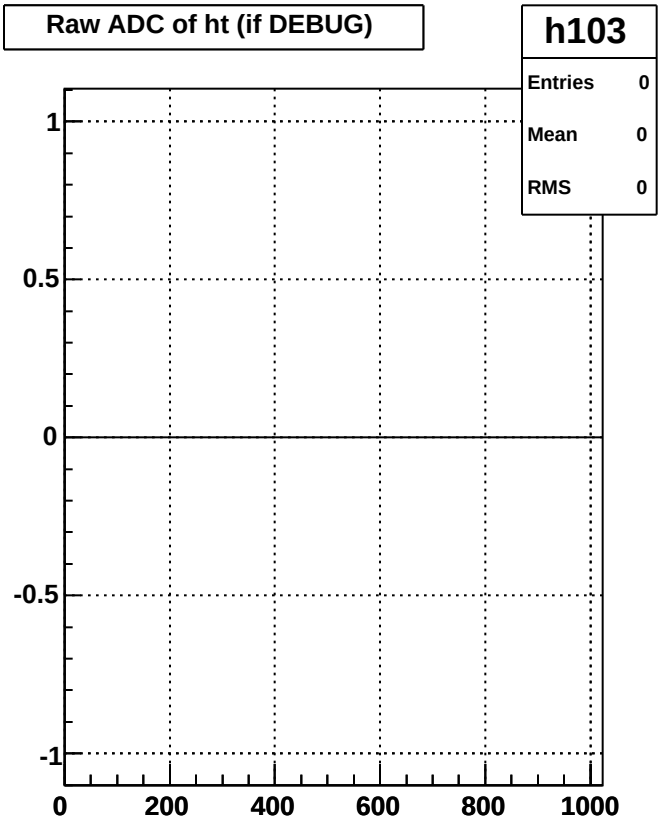

kTicks / input event
h115
Entries 51294
Mean 74.47
RMS 3.122
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

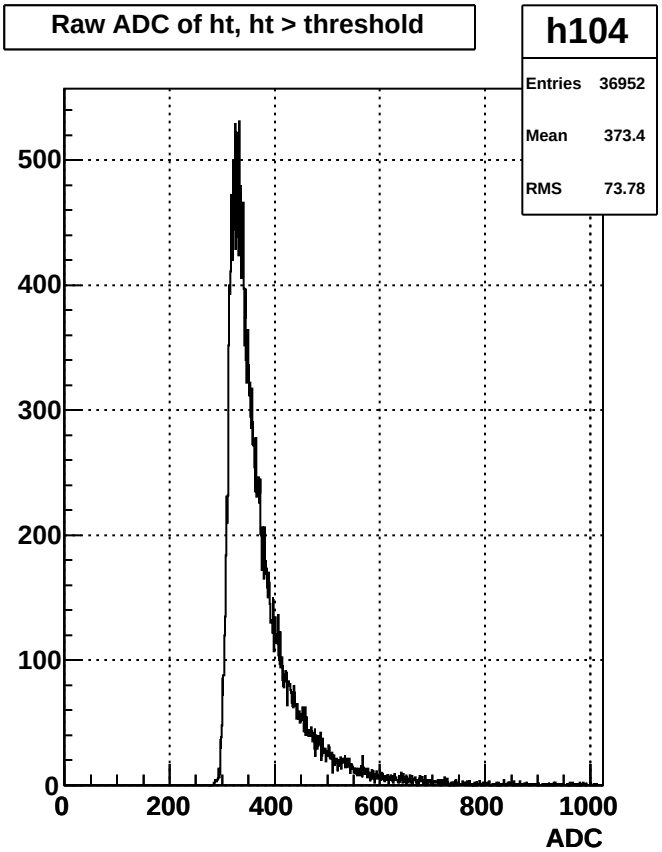

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 18371
Mean 2401
RMS 1409
300
250
200
150
100
50
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500

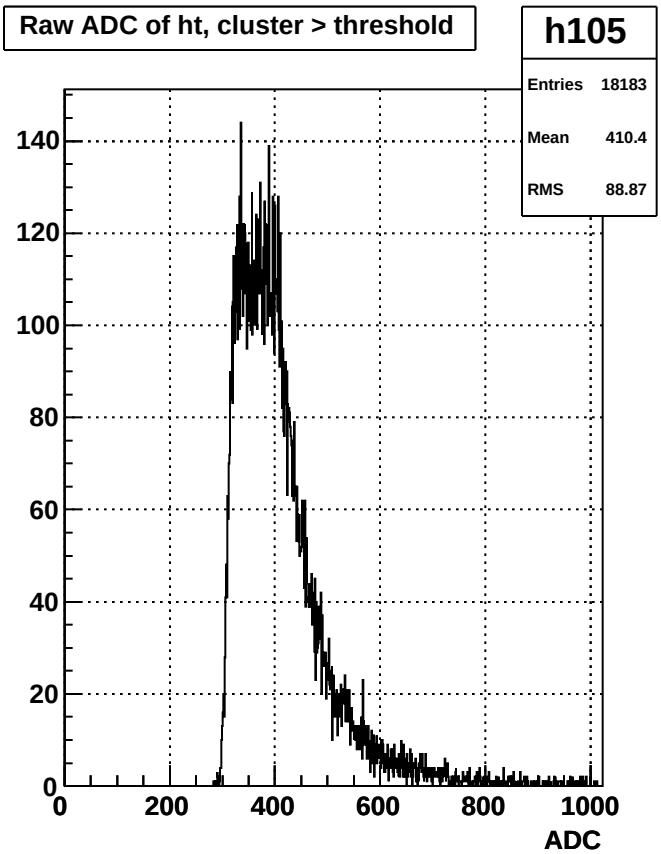

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 18183
Mean 2401
RMS 1409
300
250
200
150
100
50
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500

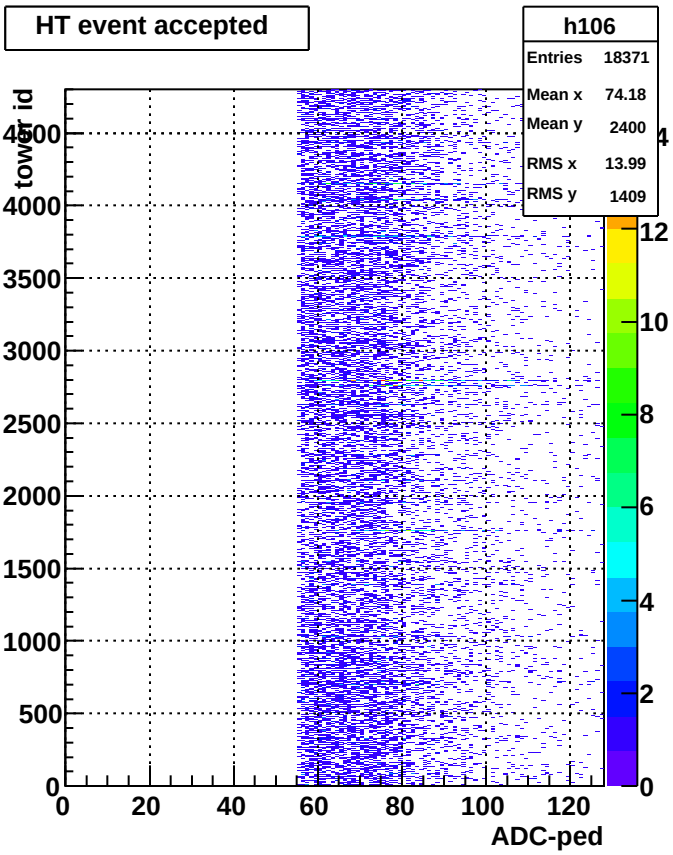

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 21.48
Mean y 59.47
RMS x 11.86
RMS y 35.23
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10
10^2

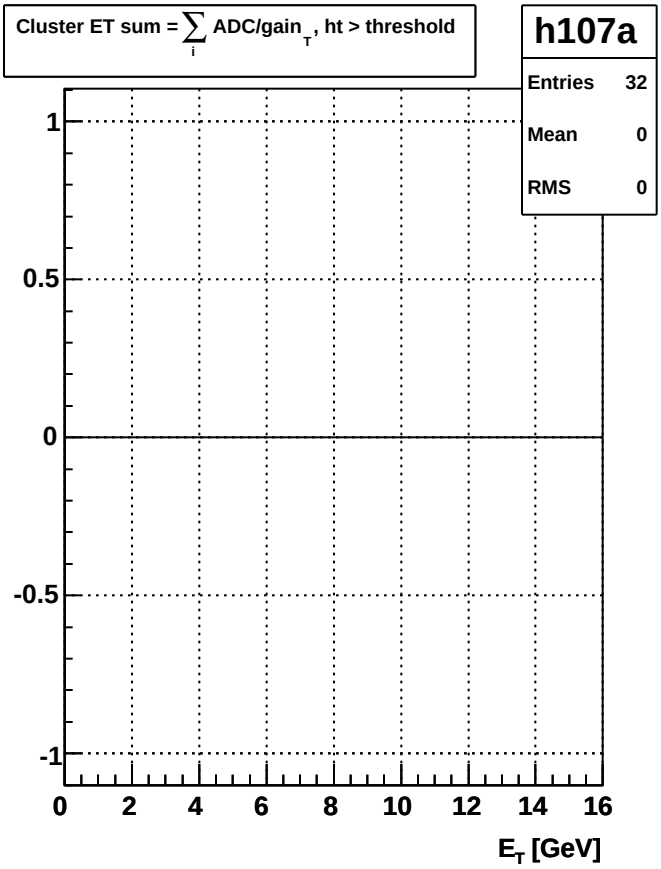

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 21.49
Mean y 59.48
RMS x 11.86
RMS y 35.24
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10
10^2

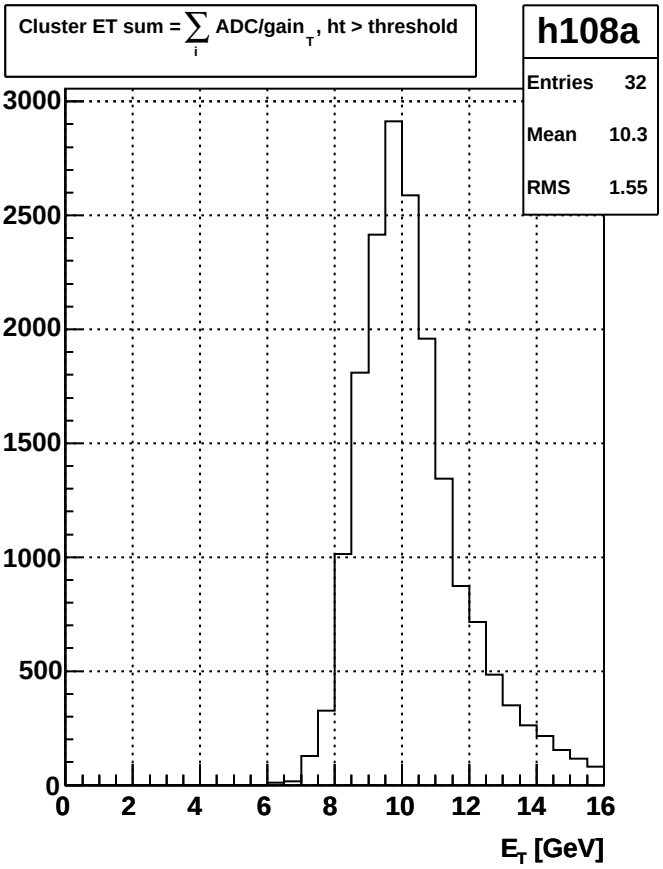

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

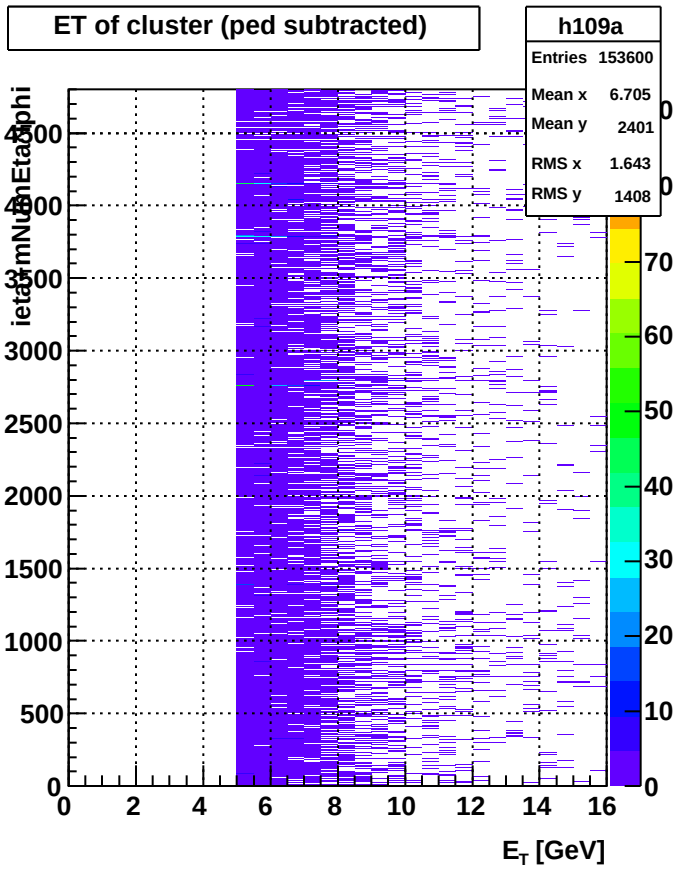

Raw ADC of ht, ht > threshold
h104
Entries 36952
Mean 373.4
RMS 73.78
500
400
300
200
100
0
0
200
400
600
800
1000
ADC

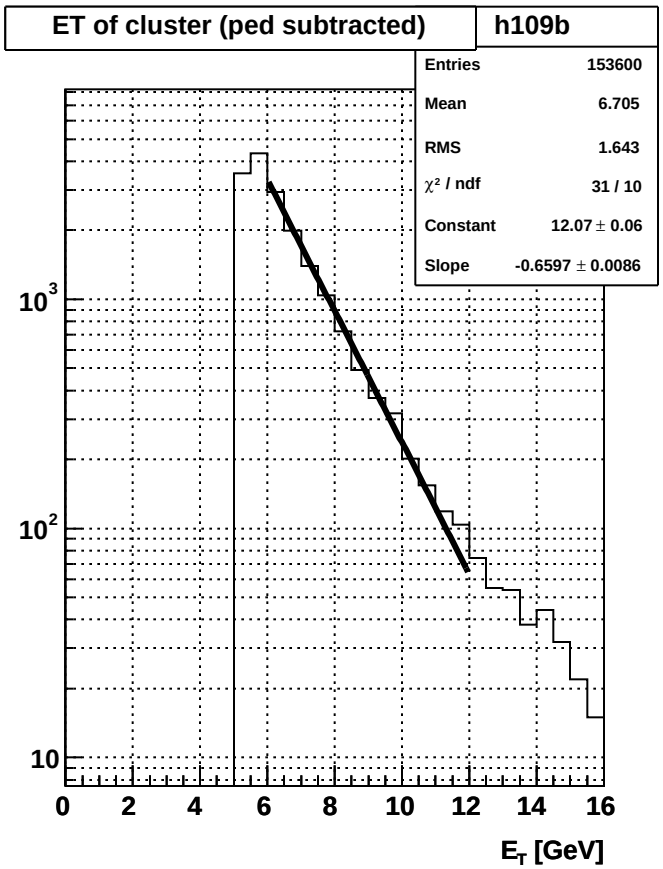

Raw ADC of ht, cluster > threshold
h105
Entries 18183
Mean 410.4
RMS 88.87
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 18371
Mean x 74.18
Mean y 2400
RMS x 13.99
RMS y 1409
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 10.3
RMS 1.55
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.705
Mean y 2401
RMS x 1.643
RMS y 1408
ietaNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.705
RMS 1.643
χ^2 / ndf 31 / 10
Constant 12.07 ± 0.06
Slope -0.6597 ± 0.0086
E_T [GeV]