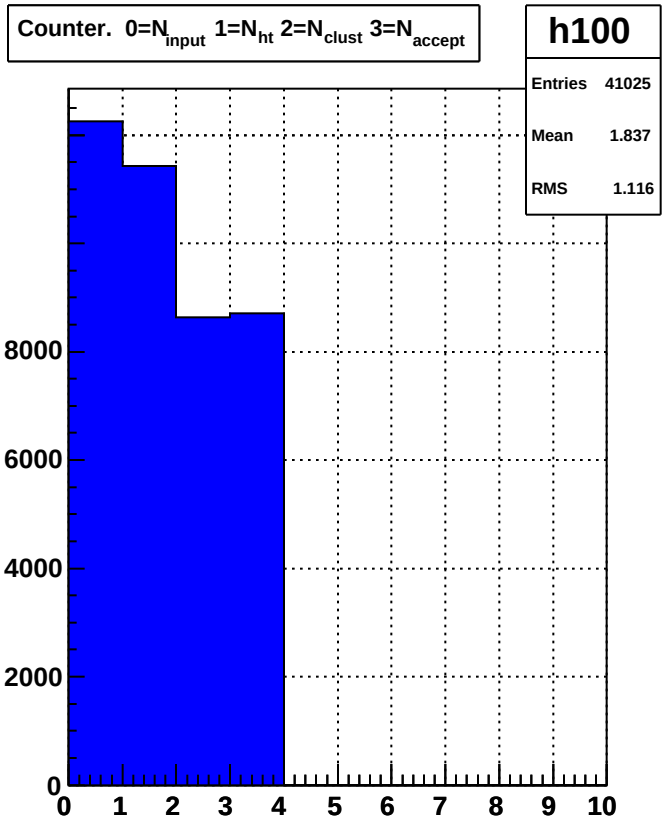
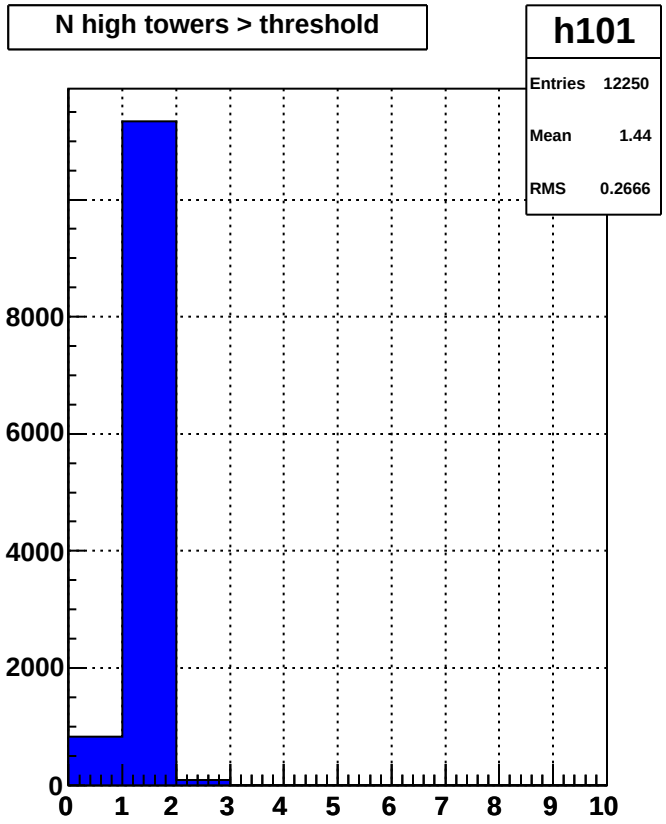
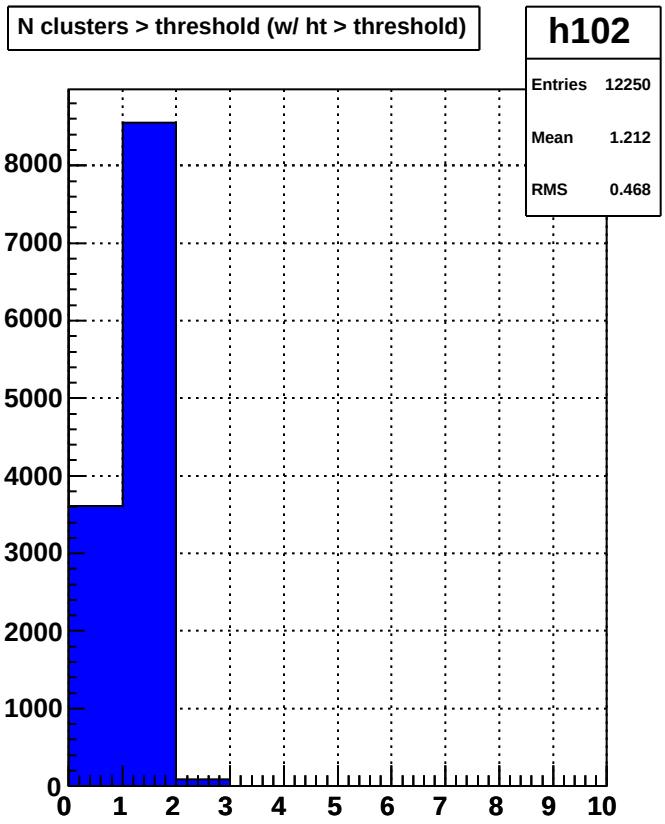
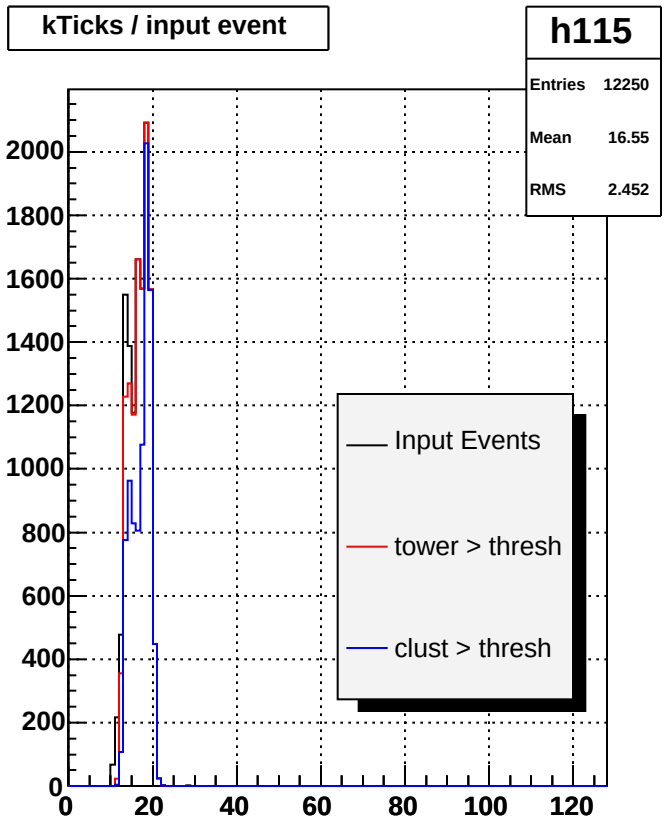
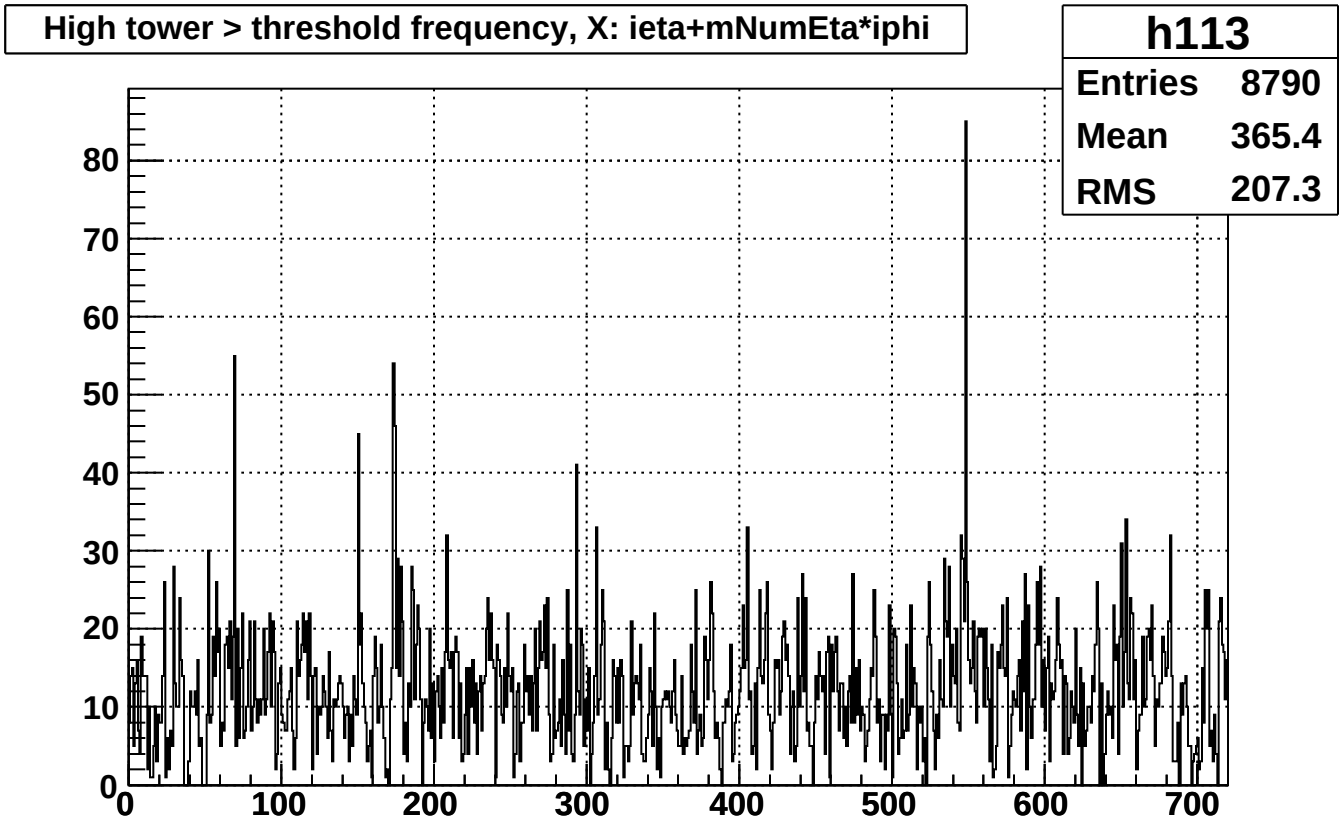
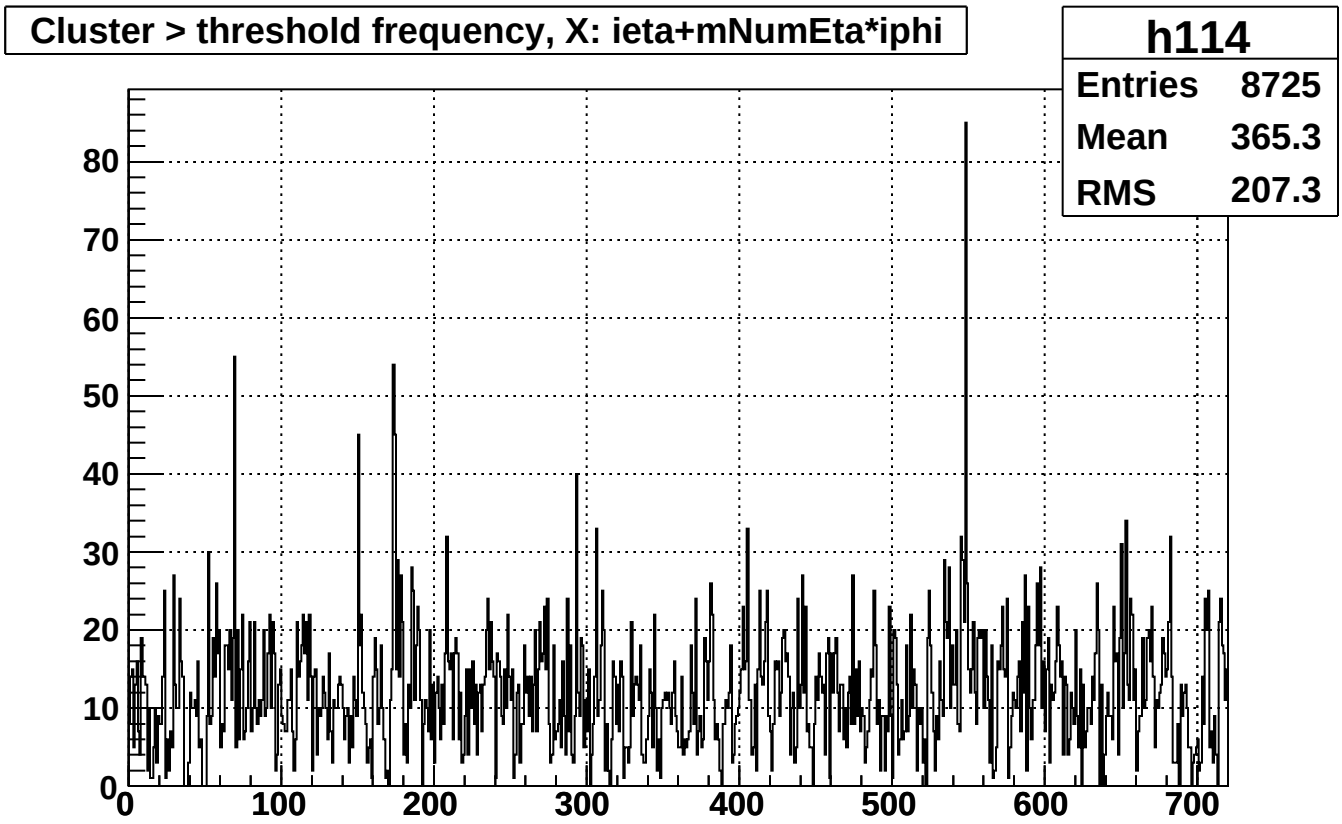

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 41025
Mean 1.837
RMS 1.116
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

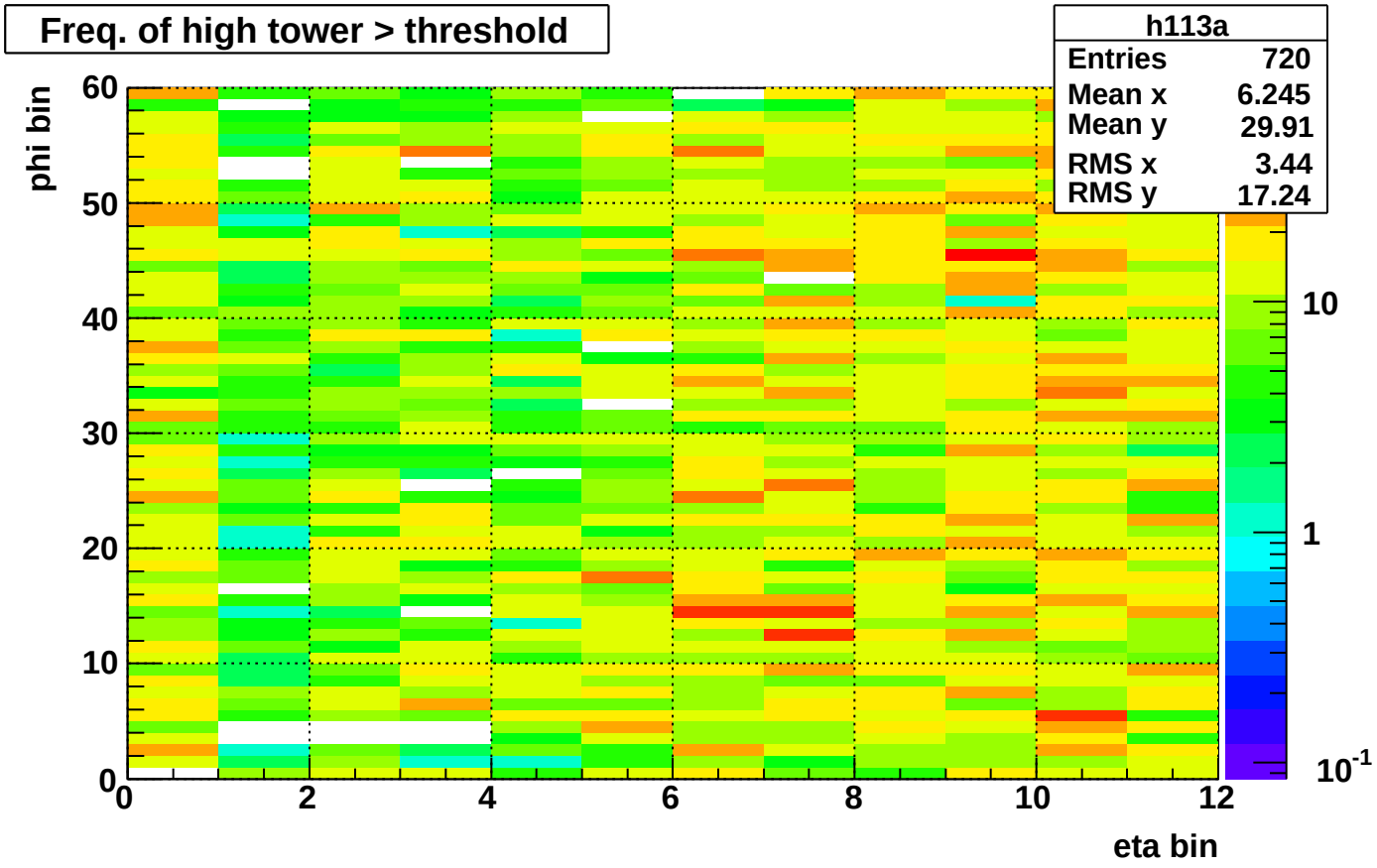

N high towers > threshold
h101
Entries 12250
Mean 1.44
RMS 0.2666
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

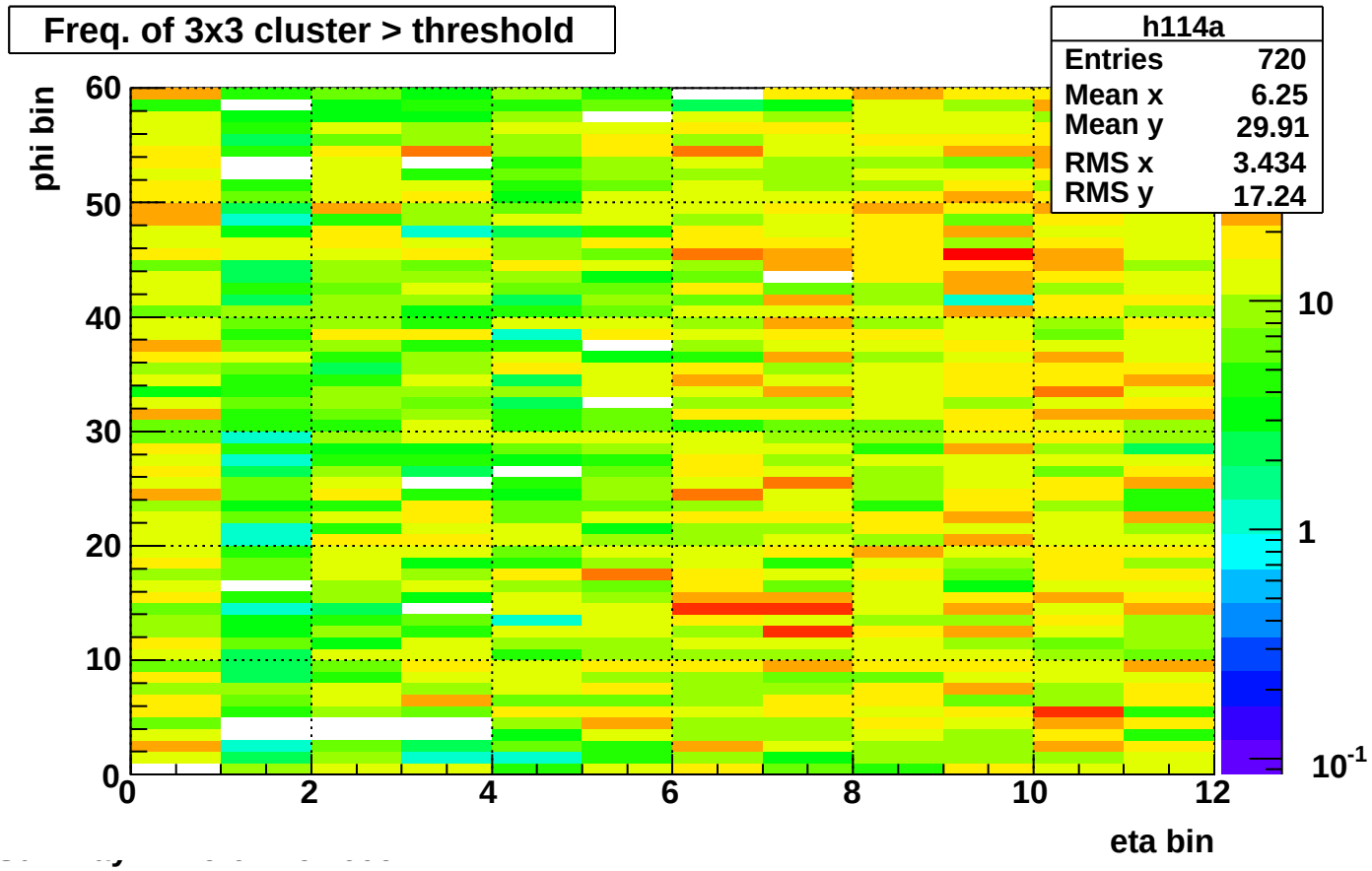

N clusters > threshold (w/ ht > threshold)
h102
Entries 12250
Mean 1.212
RMS 0.468
0
1000
2000
3000
4000
5000
6000
7000
8000
0 1 2 3 4 5 6 7 8 9 10

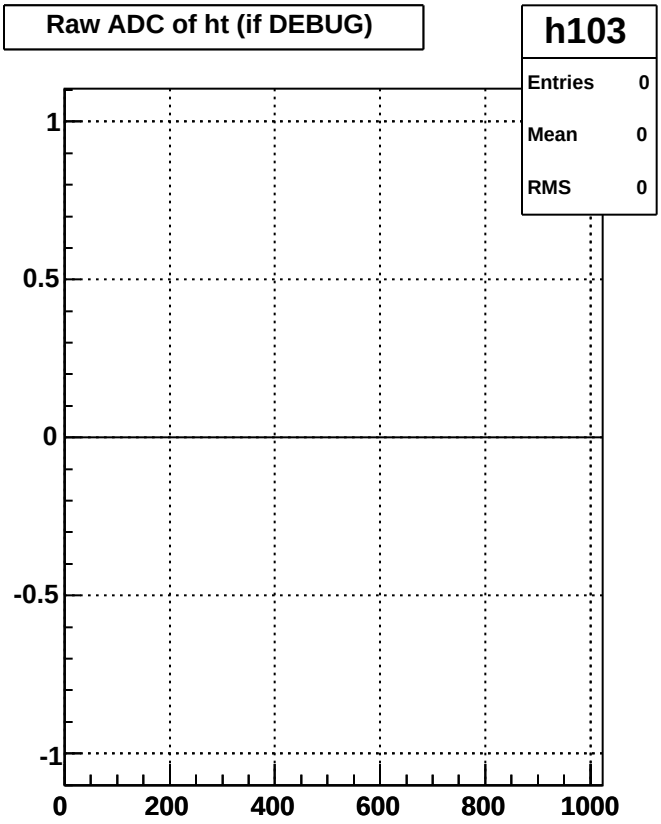

kTicks / input event
h115
Entries 12250
Mean 16.55
RMS 2.452
Input Events
tower > thresh
clust > thresh
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0 20 40 60 80 100 120

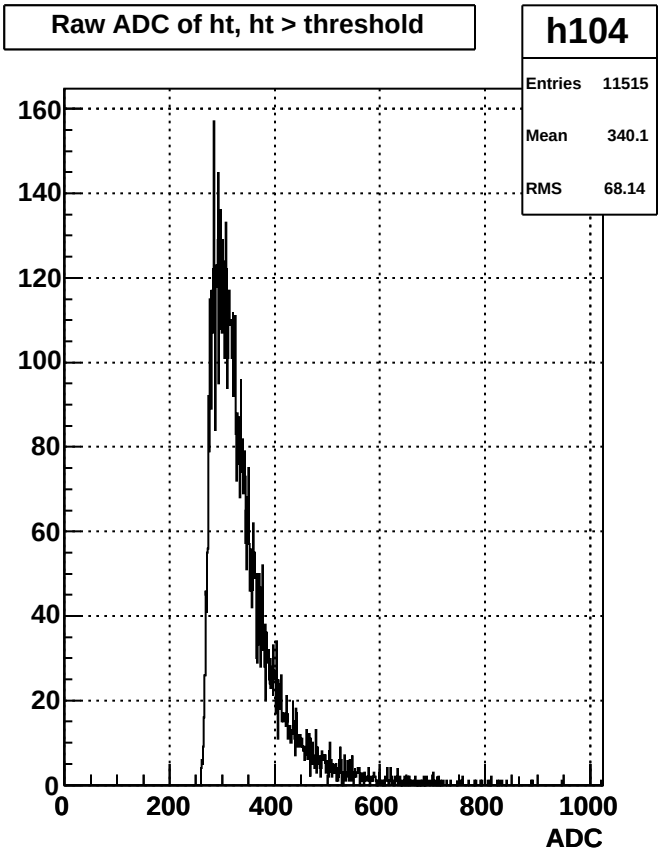

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 8790
Mean 365.4
RMS 207.3
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700

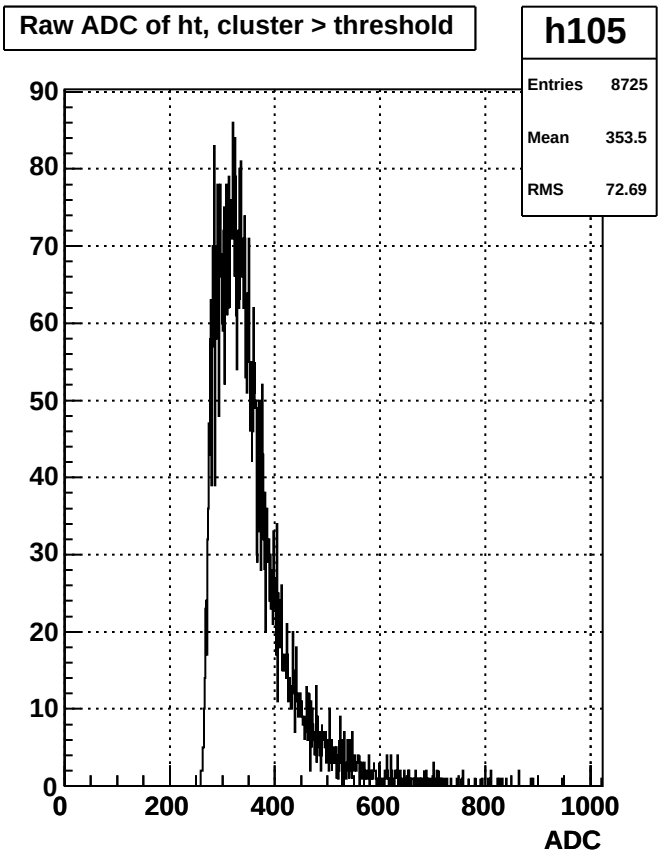

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 8725
Mean 365.3
RMS 207.3
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700

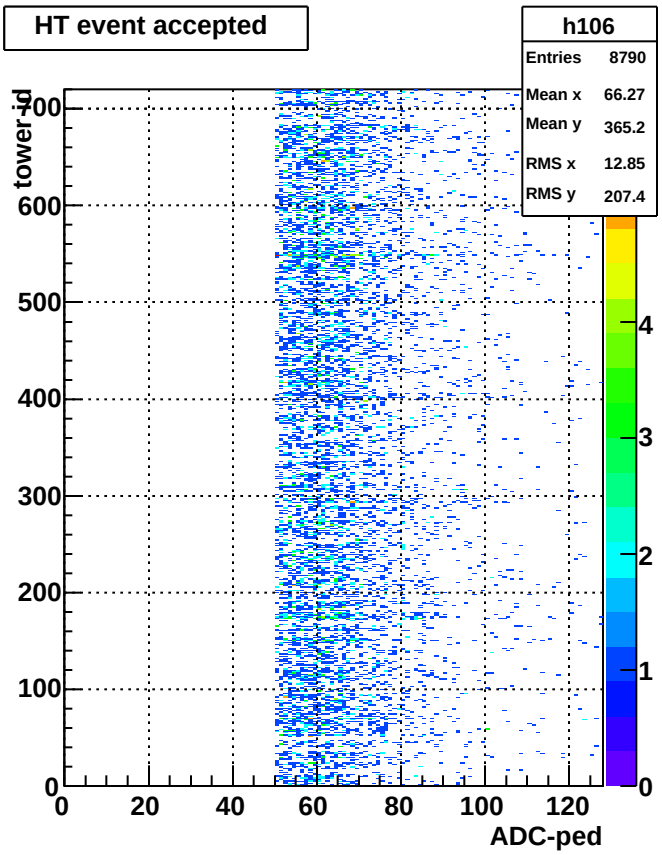

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.245
Mean y 29.91
RMS x 3.44
RMS y 17.24
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

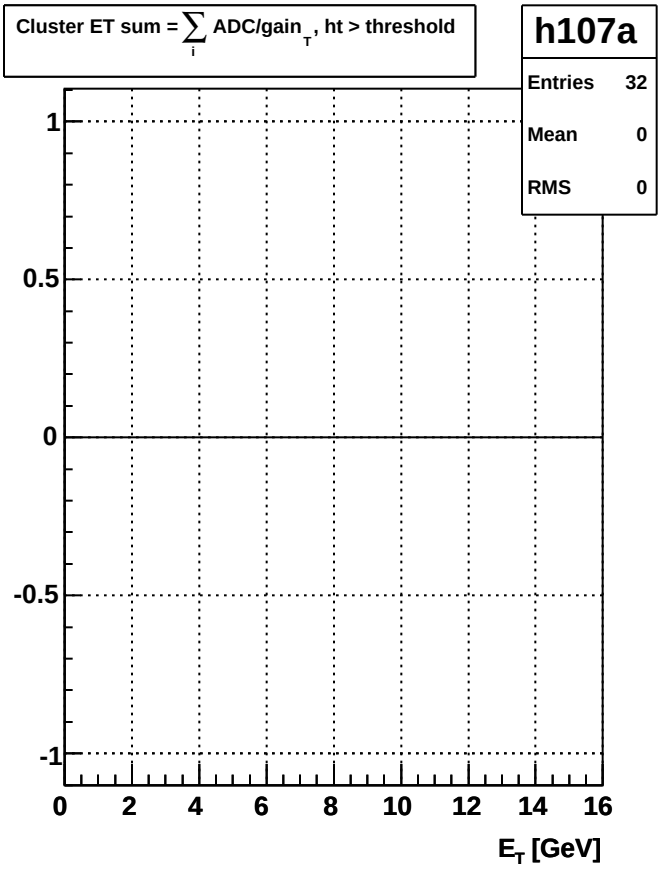

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.25
Mean y 29.91
RMS x 3.434
RMS y 17.24
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
1
10^{-1}

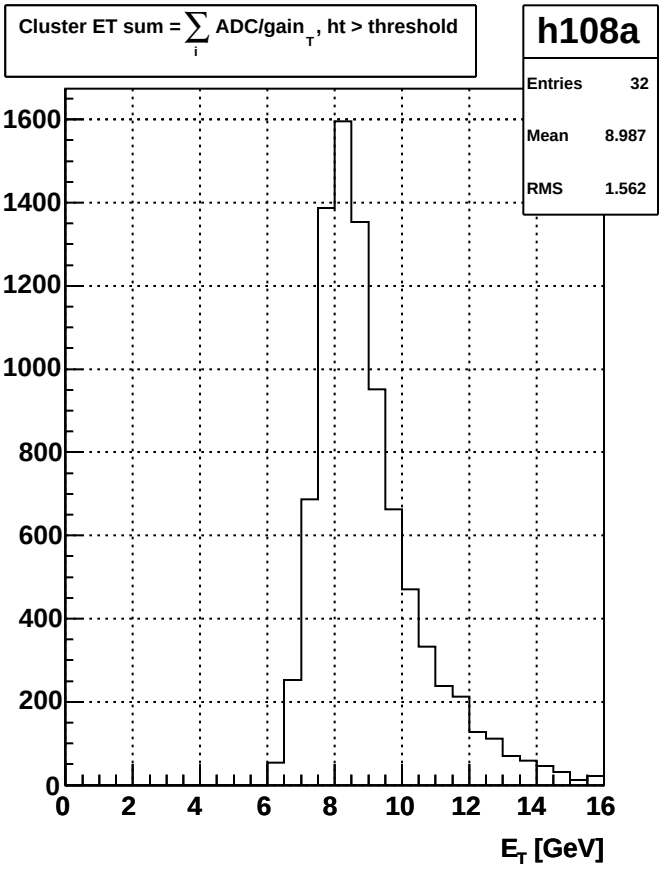

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

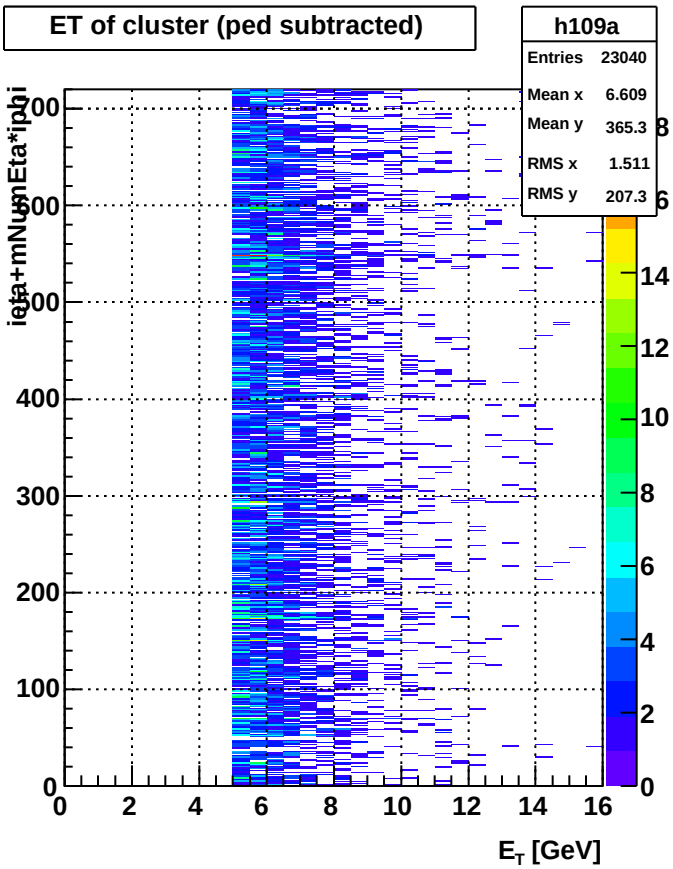

Raw ADC of ht, ht > threshold
h104
Entries 11515
Mean 340.1
RMS 68.14
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

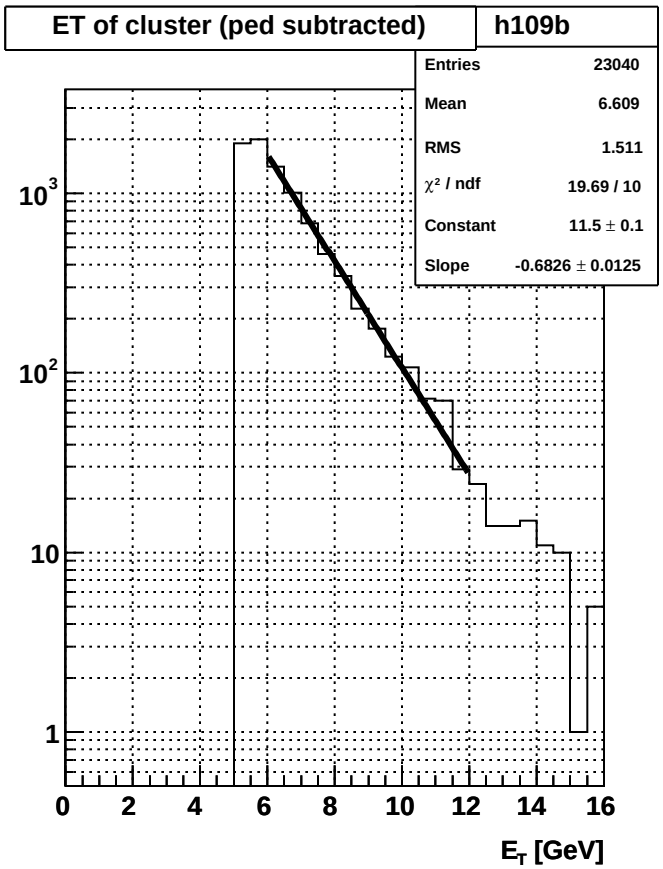

Raw ADC of ht, cluster > threshold
h105
Entries 8725
Mean 353.5
RMS 72.69
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 8790
Mean x 66.27
Mean y 365.2
RMS x 12.85
RMS y 207.4
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
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 8.987
RMS 1.562
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.609
Mean y 365.3
RMS x 1.511
RMS y 207.3
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.609
RMS 1.511
χ^2 / ndf 19.69 / 10
Constant 11.5 ± 0.1
Slope -0.6826 ± 0.0125
E_T [GeV]