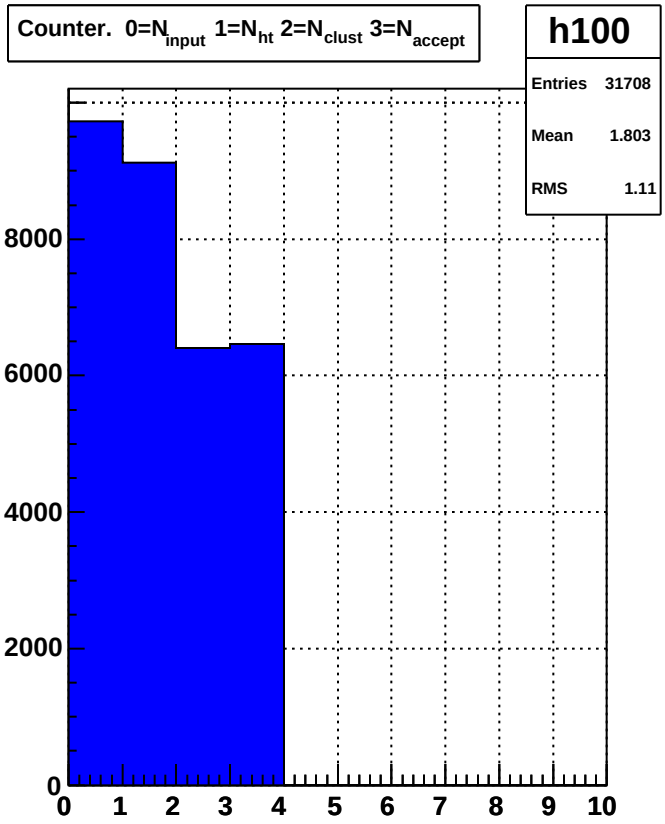
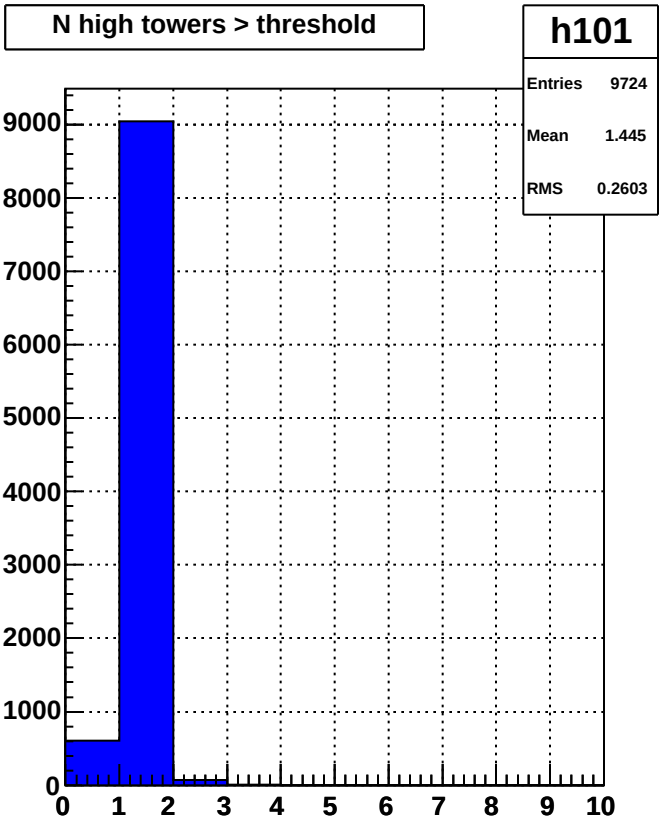
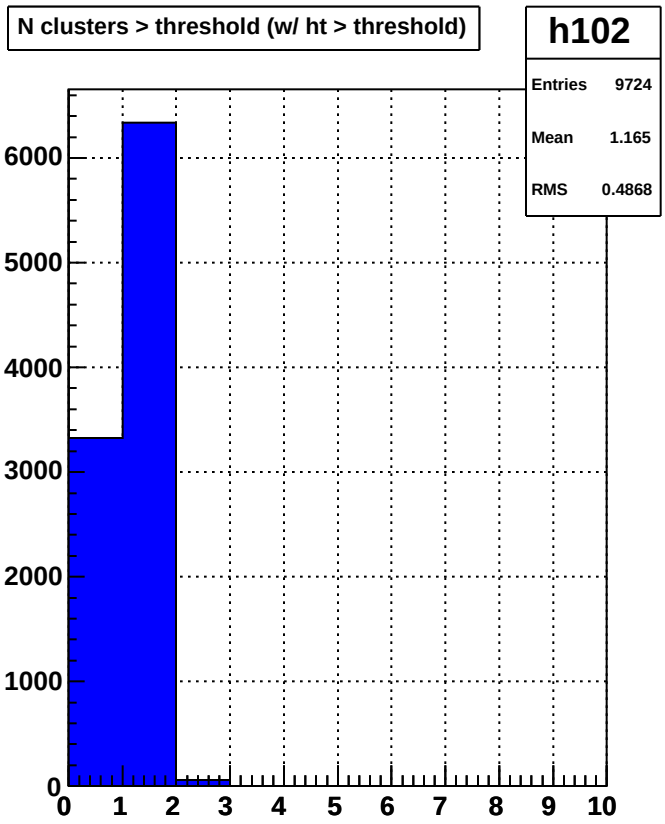
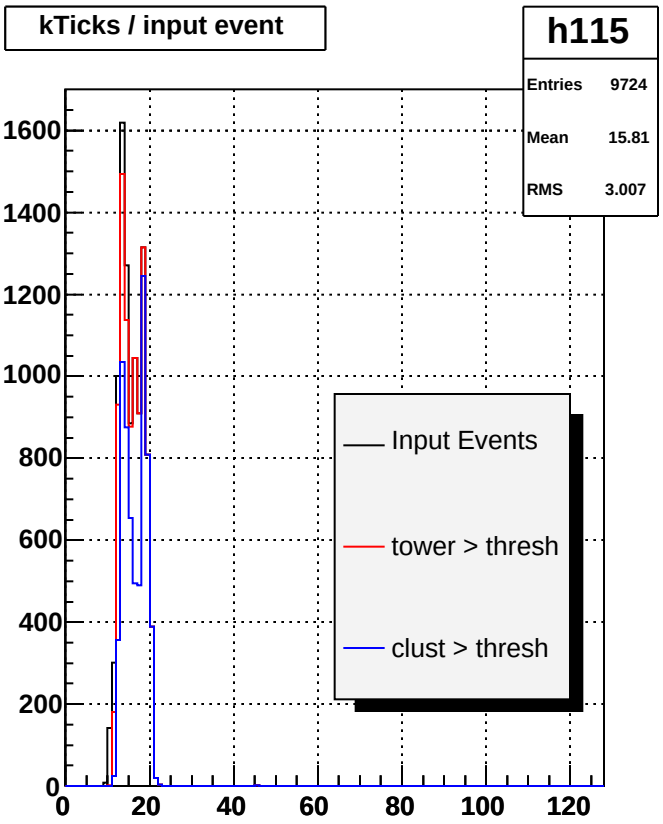
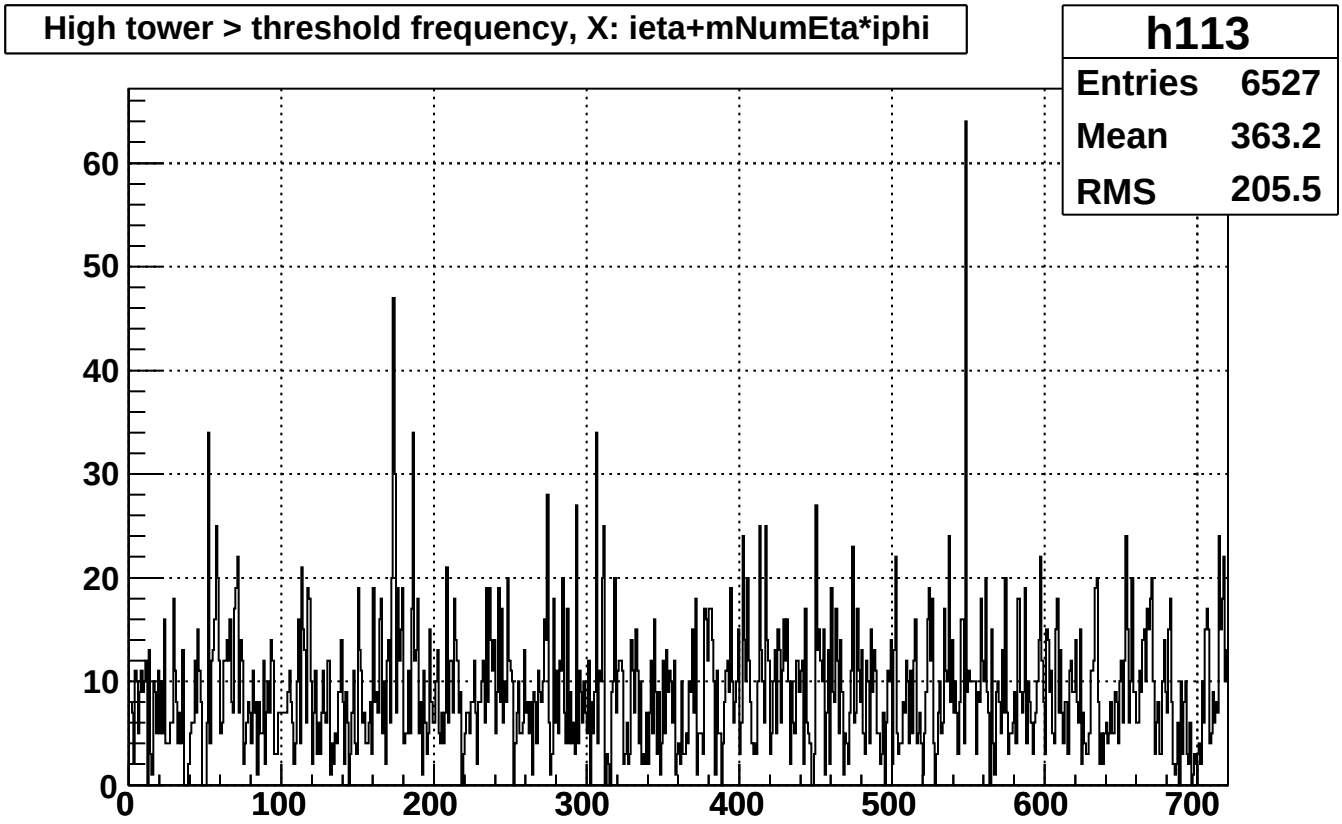
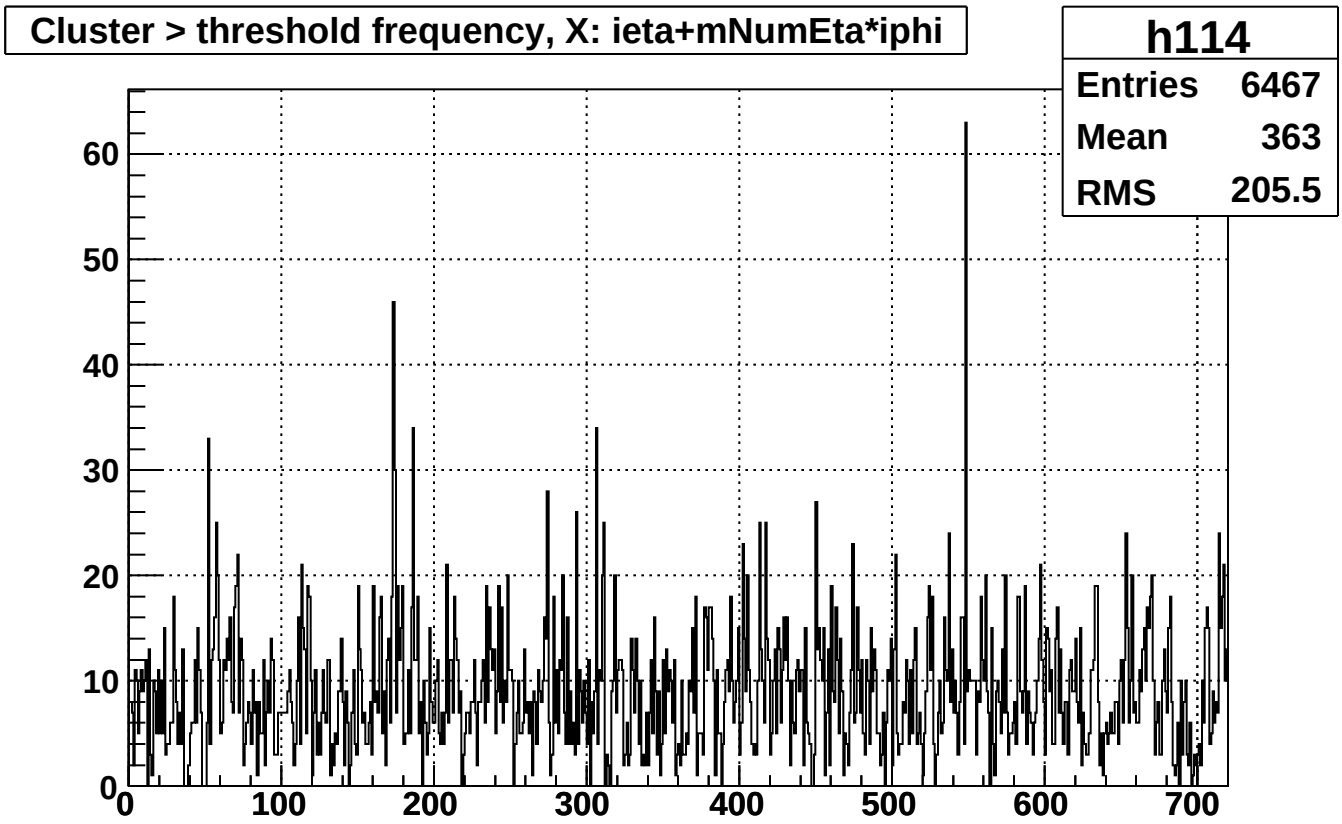

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 31708
Mean 1.803
RMS 1.11
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

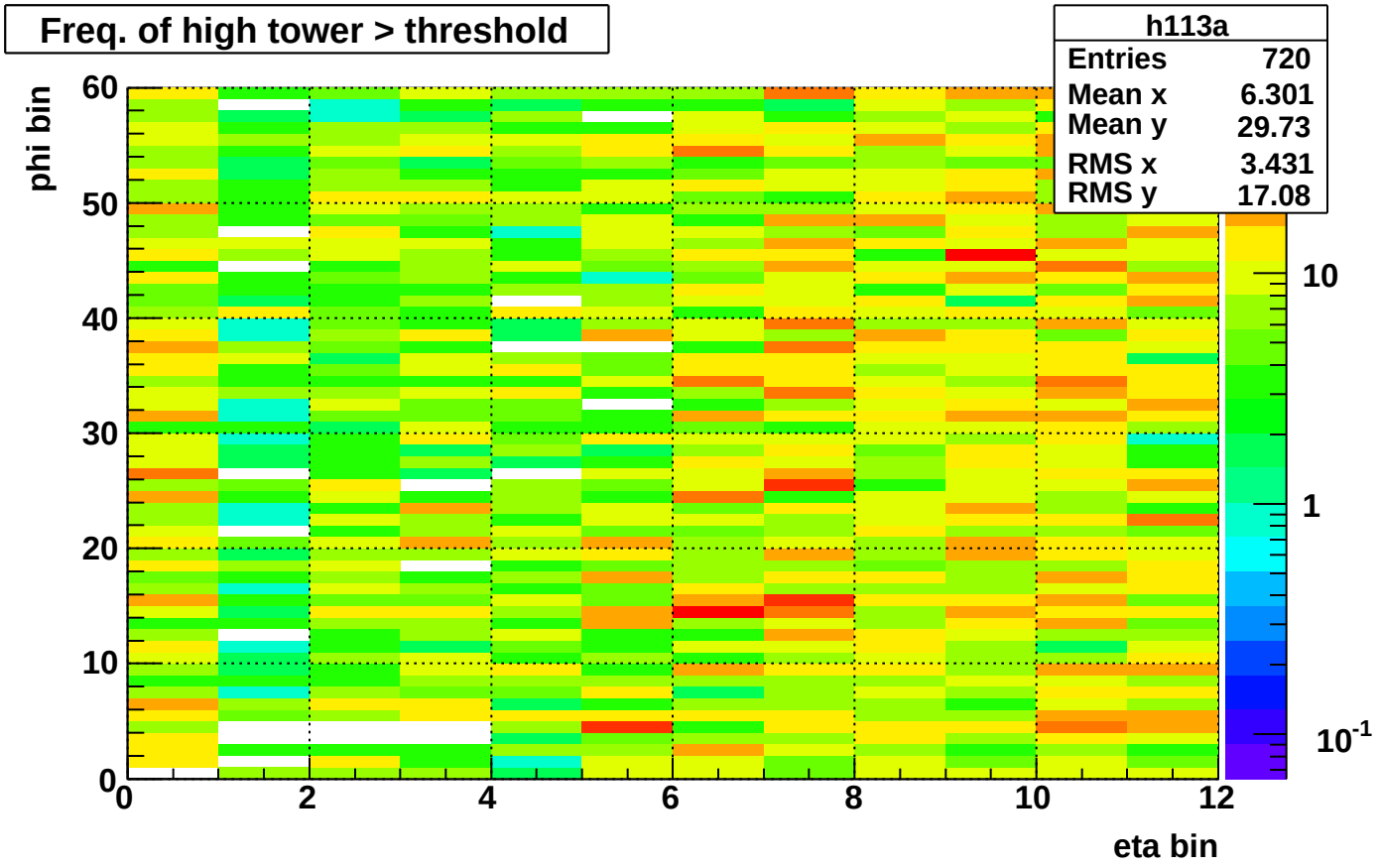

N high towers > threshold
h101
Entries 9724
Mean 1.445
RMS 0.2603
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0 1 2 3 4 5 6 7 8 9 10

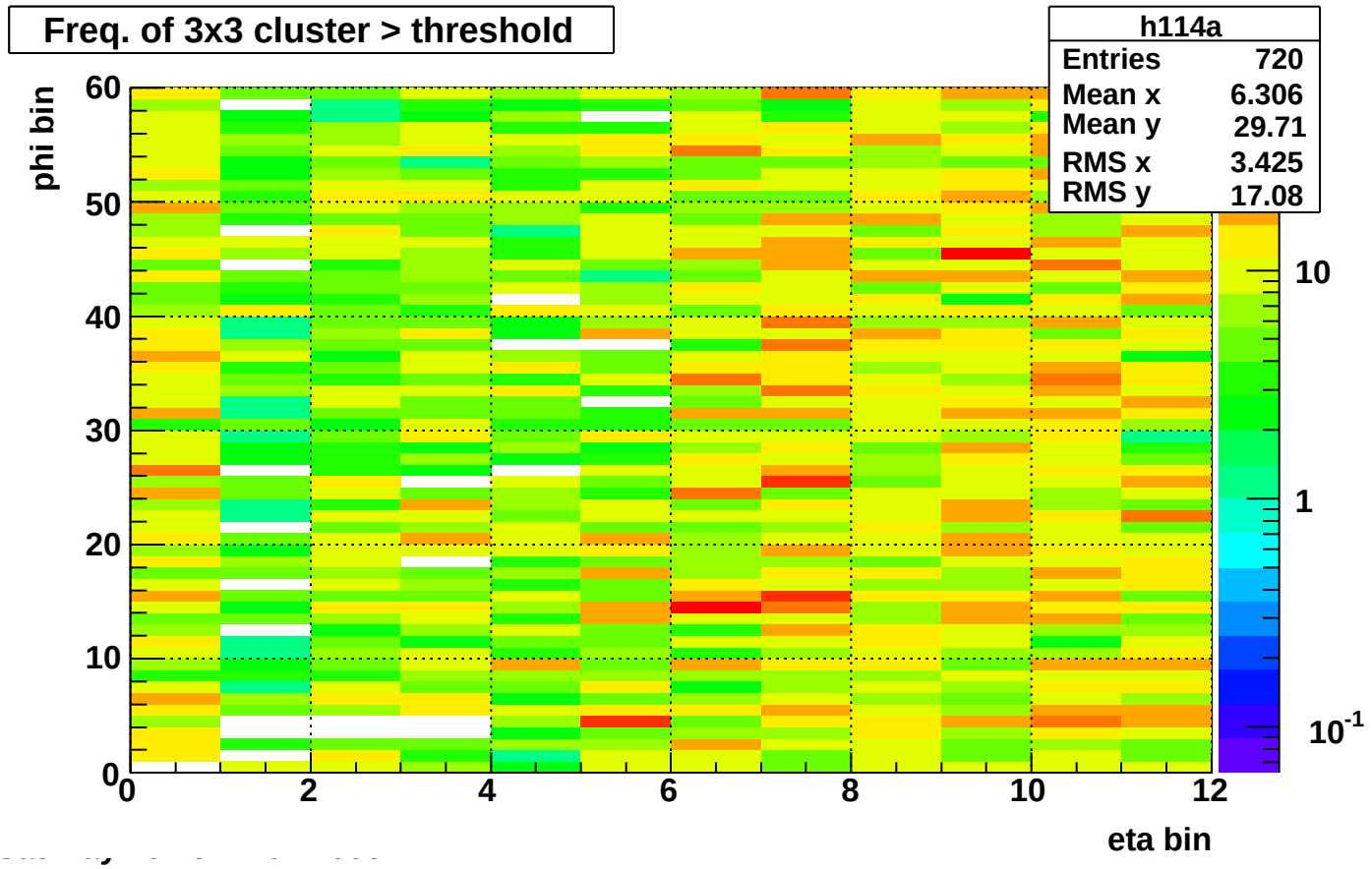

N clusters > threshold (w/ ht > threshold)
h102
Entries 9724
Mean 1.165
RMS 0.4868
0
1000
2000
3000
4000
5000
6000
0 1 2 3 4 5 6 7 8 9 10

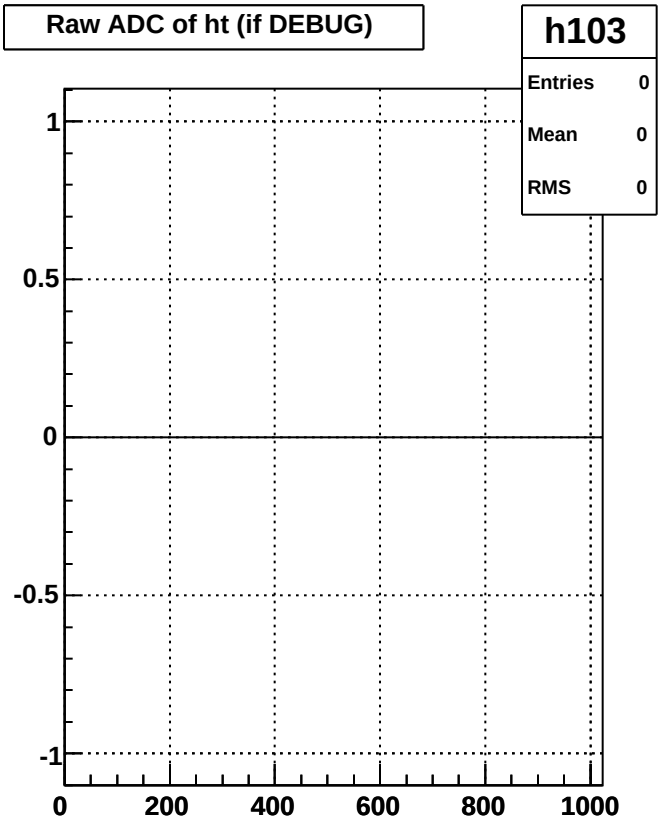

kTicks / input event
h115
Entries 9724
Mean 15.81
RMS 3.007
0
200
400
600
800
1000
1200
1400
1600
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

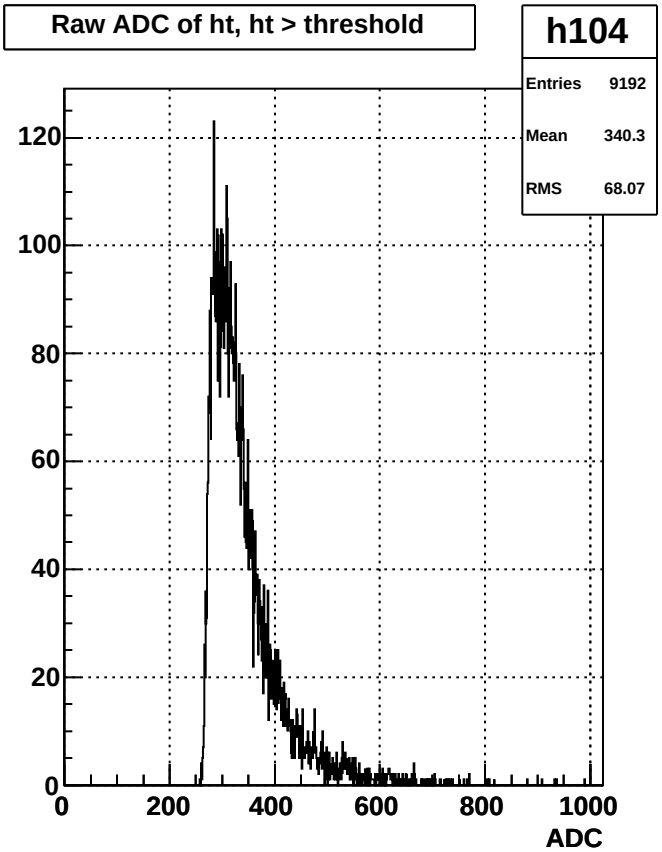

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 6527
Mean 363.2
RMS 205.5
0
10
20
30
40
50
60
0
100
200
300
400
500
600
700

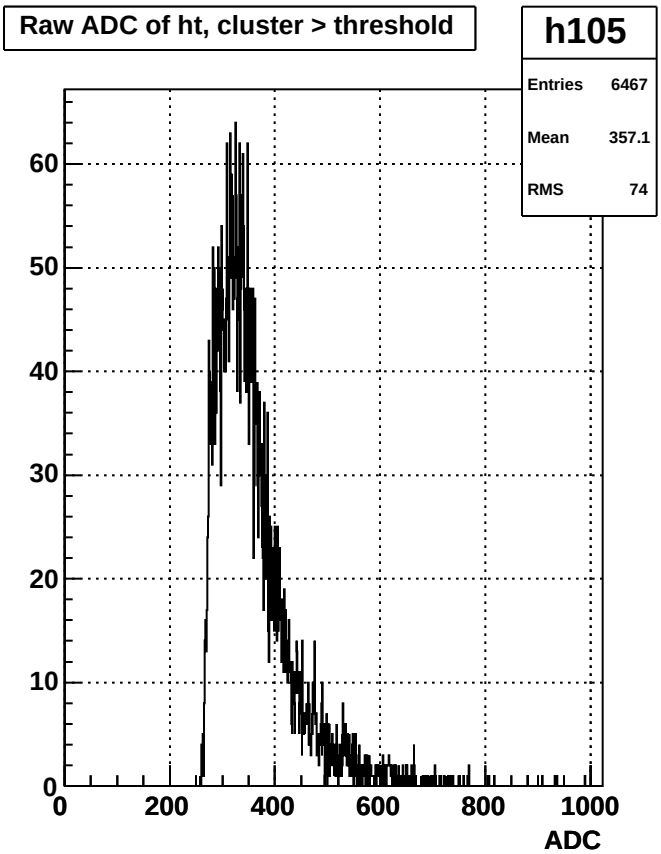

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 6467
Mean 363
RMS 205.5
0
10
20
30
40
50
60
0
100
200
300
400
500
600
700

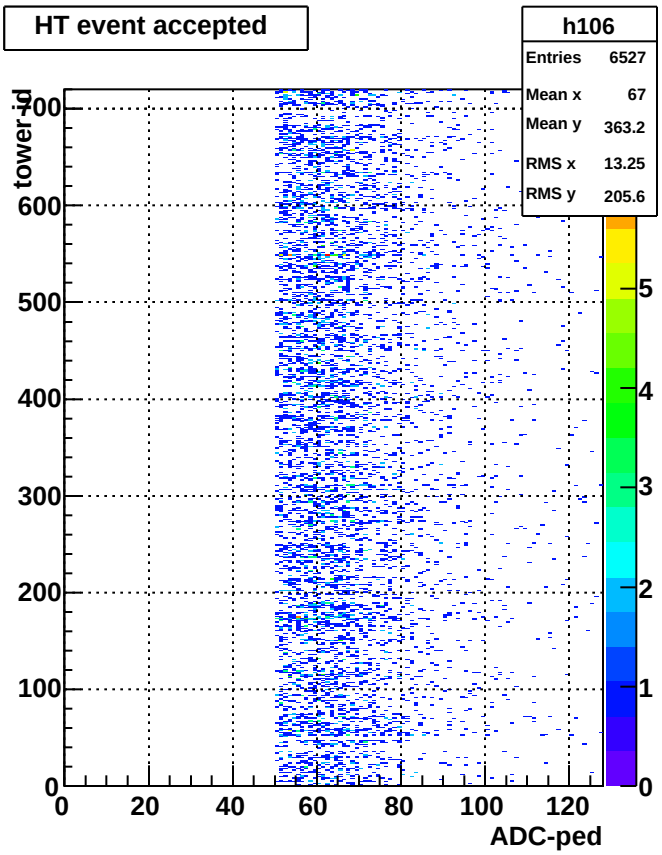

Freq. of high tower > threshold
h113a
Entries 720
Mean x 6.301
Mean y 29.73
RMS x 3.431
RMS y 17.08
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

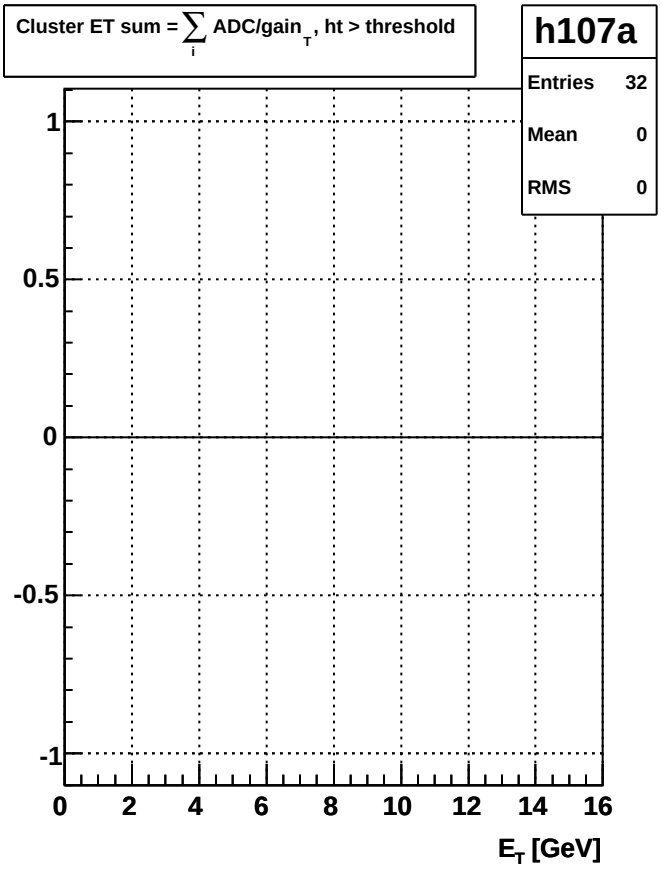

Freq. of 3x3 cluster > threshold
h114a
Entries 720
Mean x 6.306
Mean y 29.71
RMS x 3.425
RMS y 17.08
phi bin
eta bin
0
10
20
30
40
50
60
0
2
4
6
8
10
12
10
1
10^{-1}

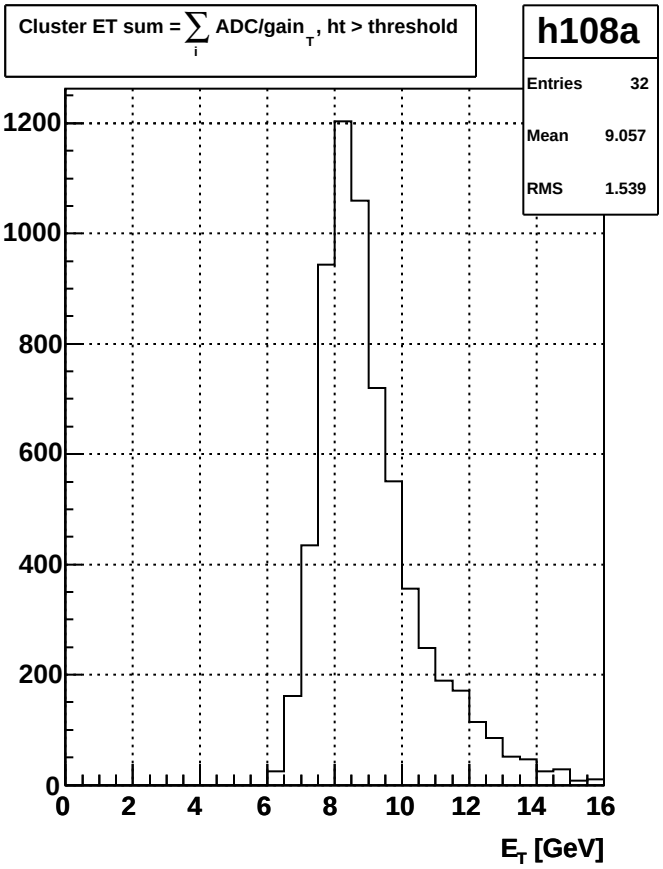

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

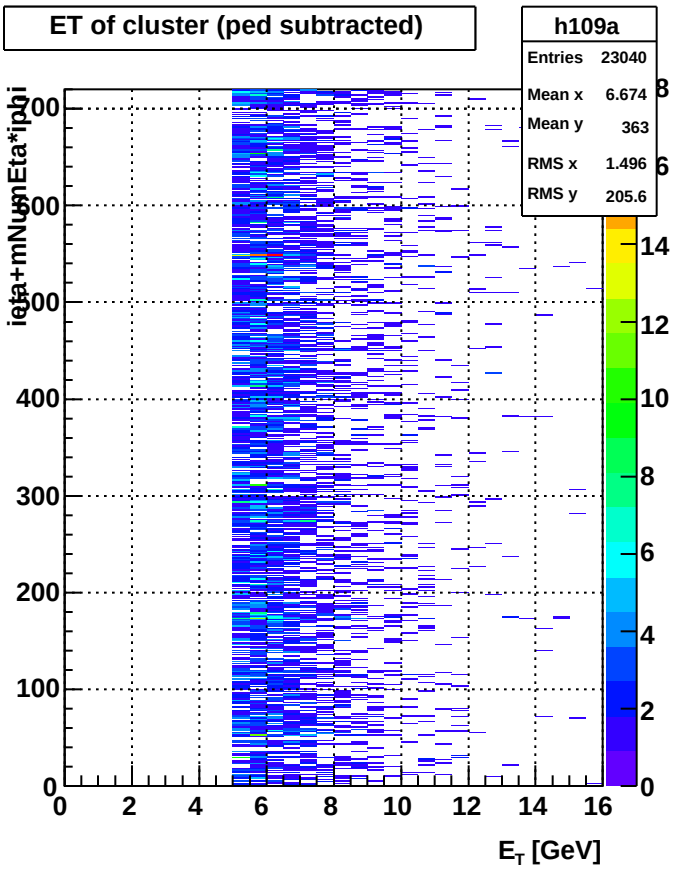

Raw ADC of ht, ht > threshold
h104
Entries 9192
Mean 340.3
RMS 68.07
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

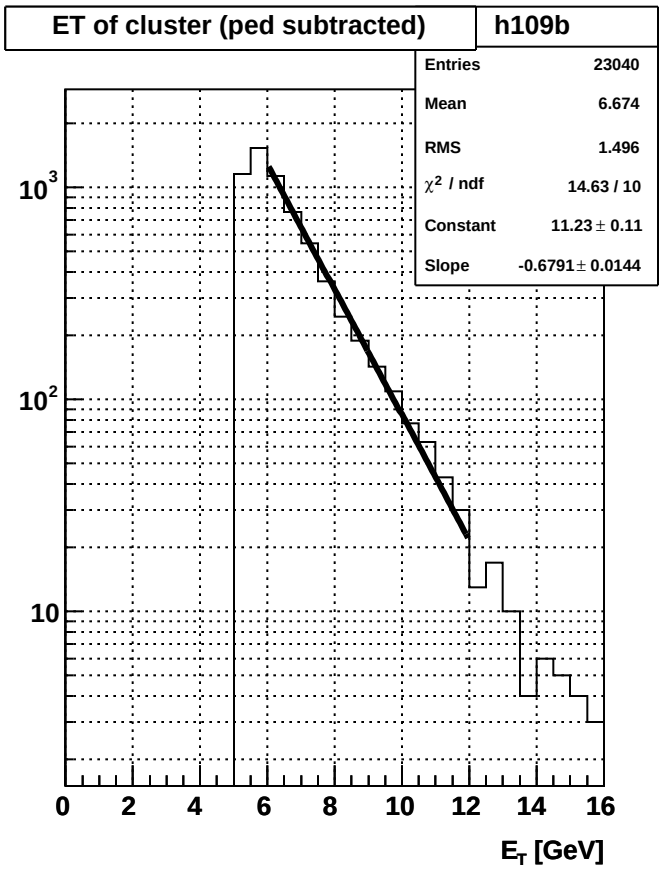

Raw ADC of ht, cluster > threshold
h105
Entries 6467
Mean 357.1
RMS 74
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 6527
Mean x 67
Mean y 363.2
RMS x 13.25
RMS y 205.6
tower id
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
ADC-ped
5
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 9.057
RMS 1.539
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 23040
Mean x 6.674
Mean y 363
RMS x 1.496
RMS y 205.6
ieta+mNumEta*iphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 23040
Mean 6.674
RMS 1.496
χ^2 / ndf 14.63 / 10
Constant 11.23 ± 0.11
Slope -0.6791 ± 0.0144
E_T [GeV]