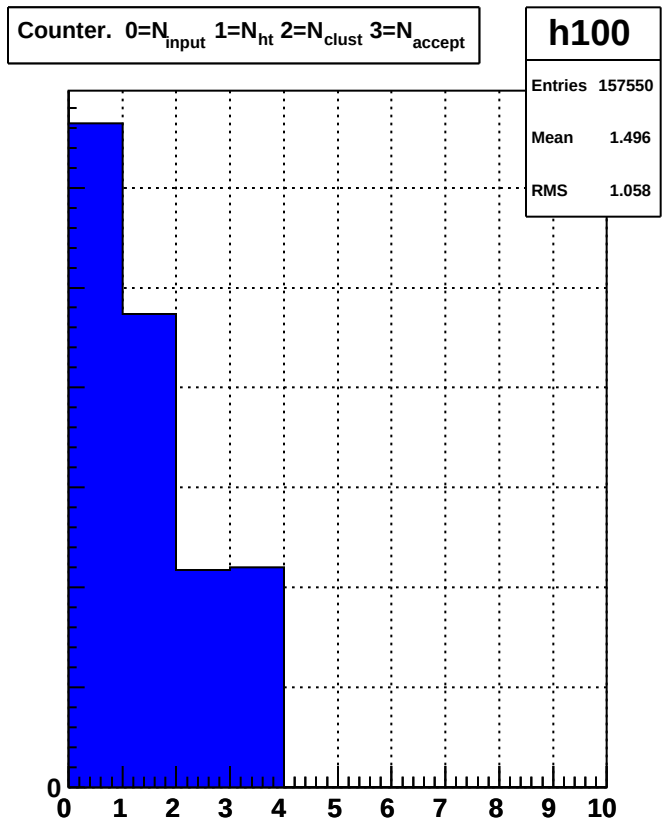
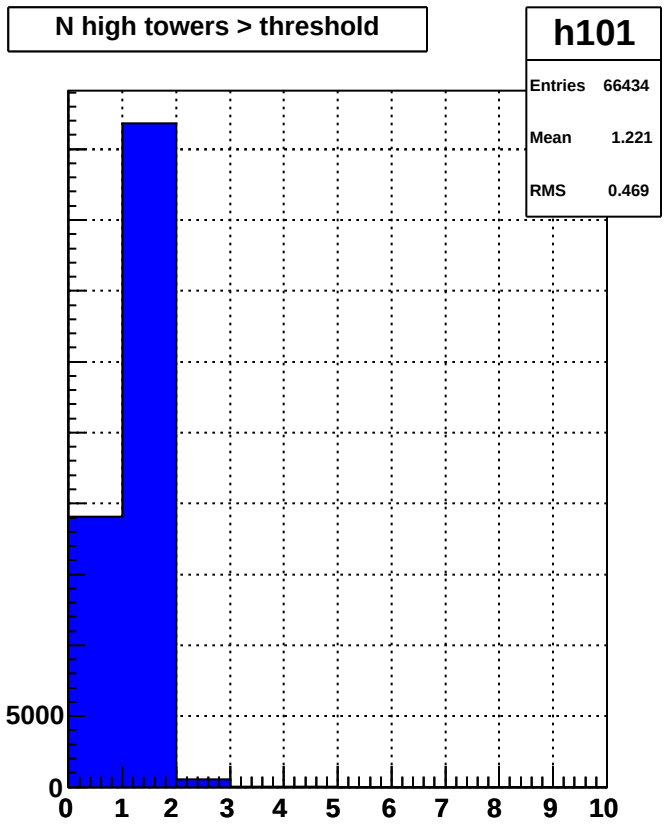
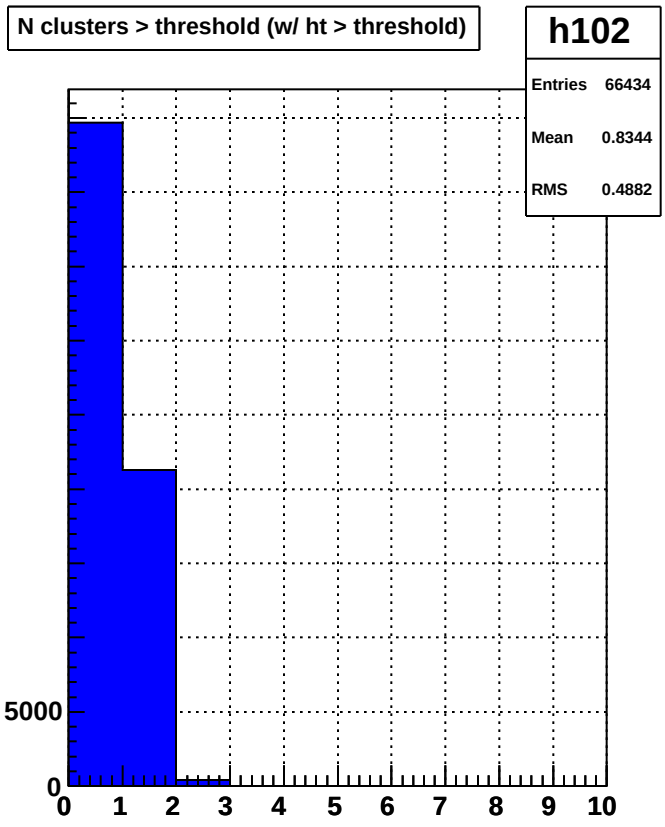
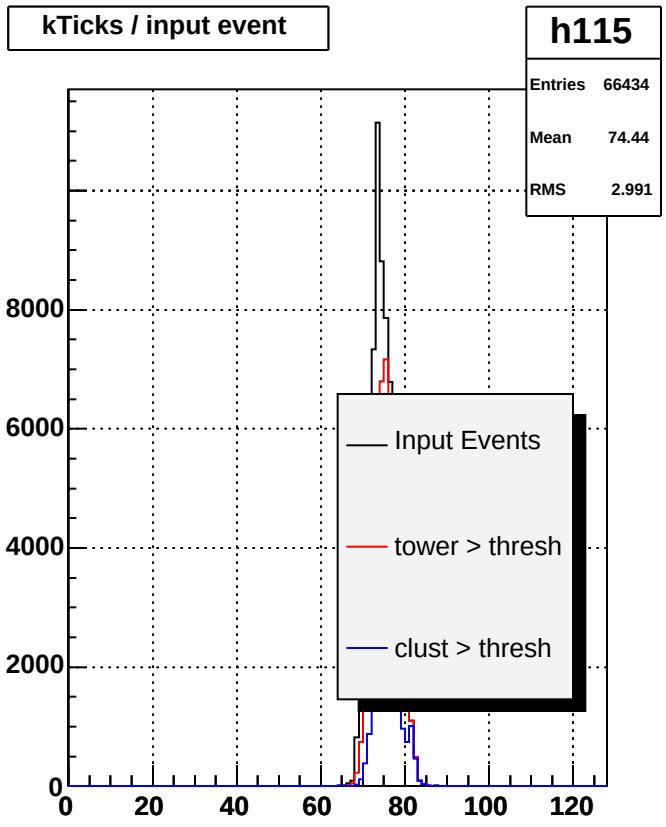
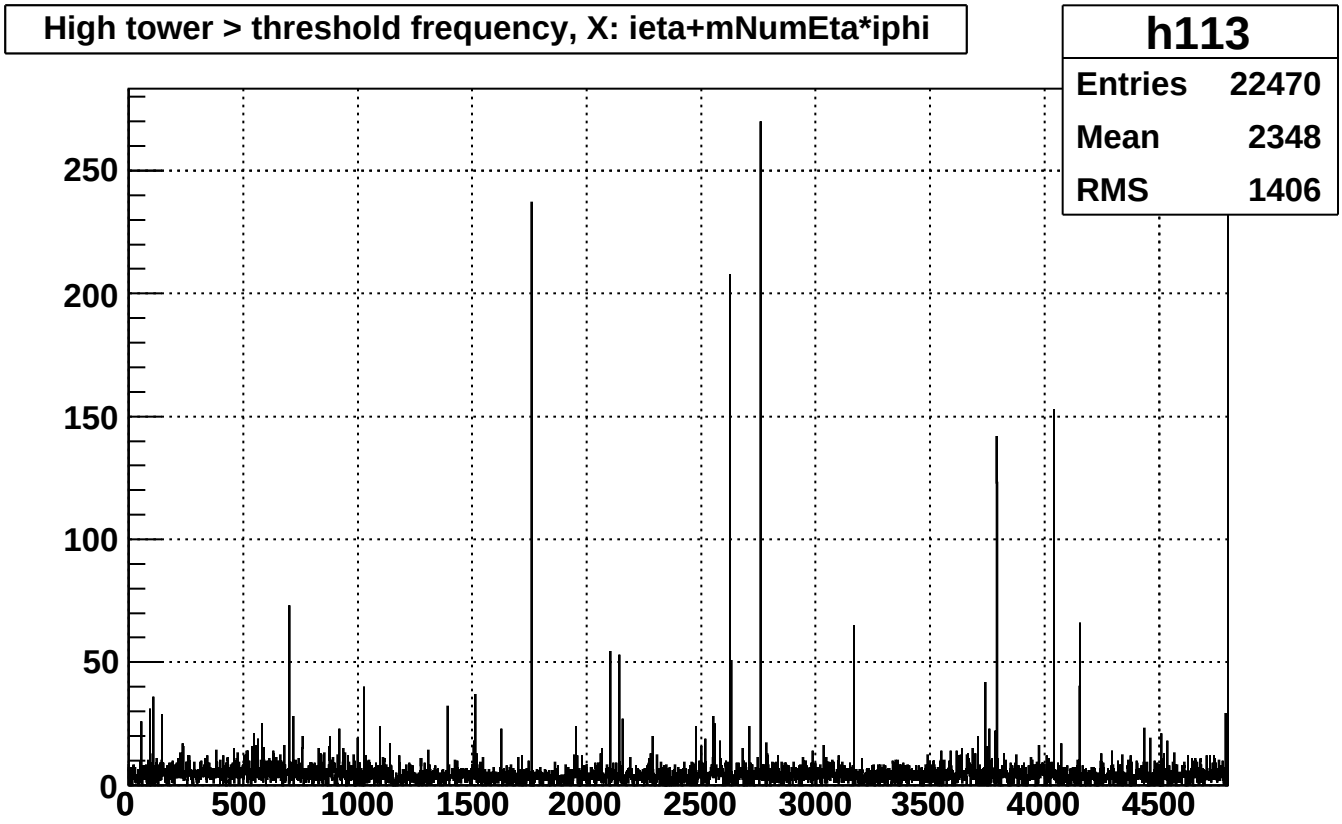
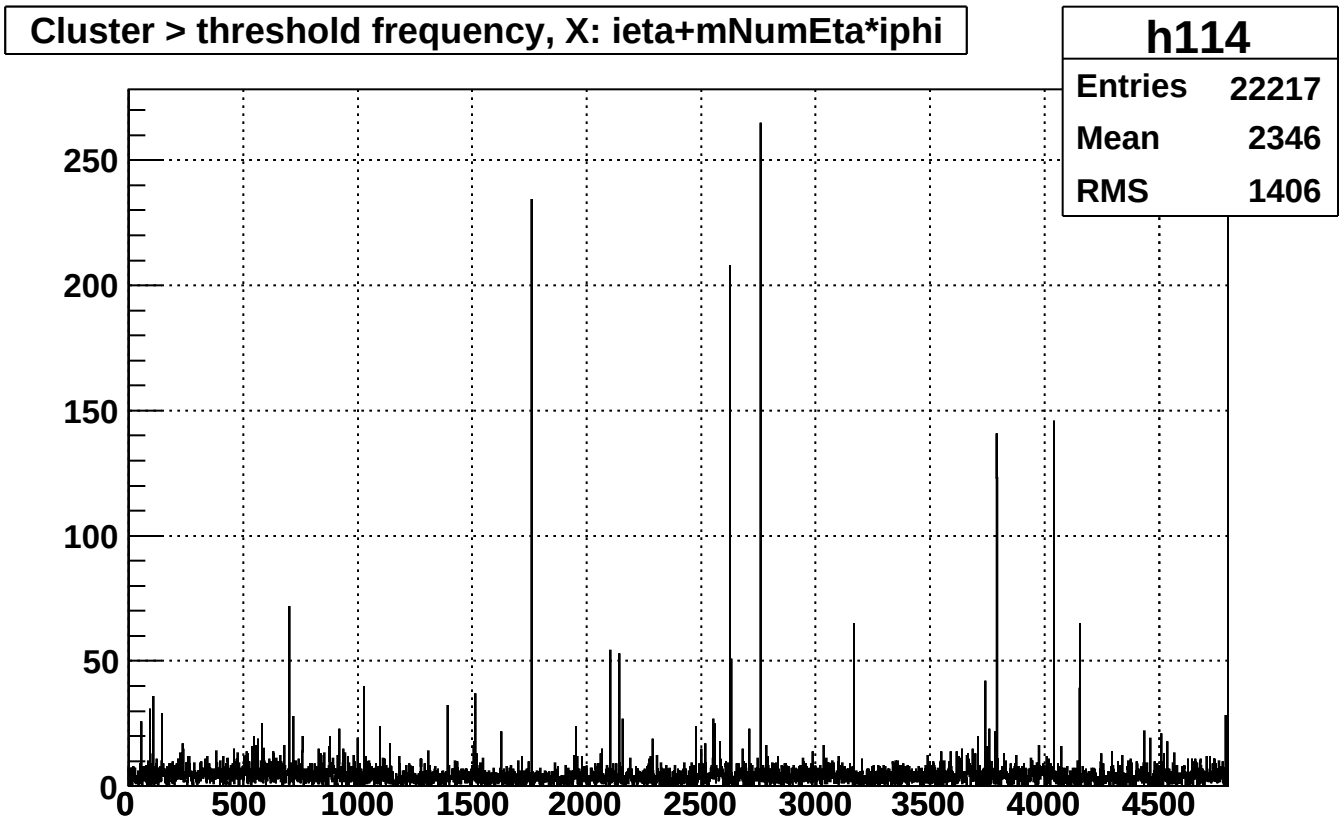

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 157550
Mean 1.496
RMS 1.058
0
0 1 2 3 4 5 6 7 8 9 10

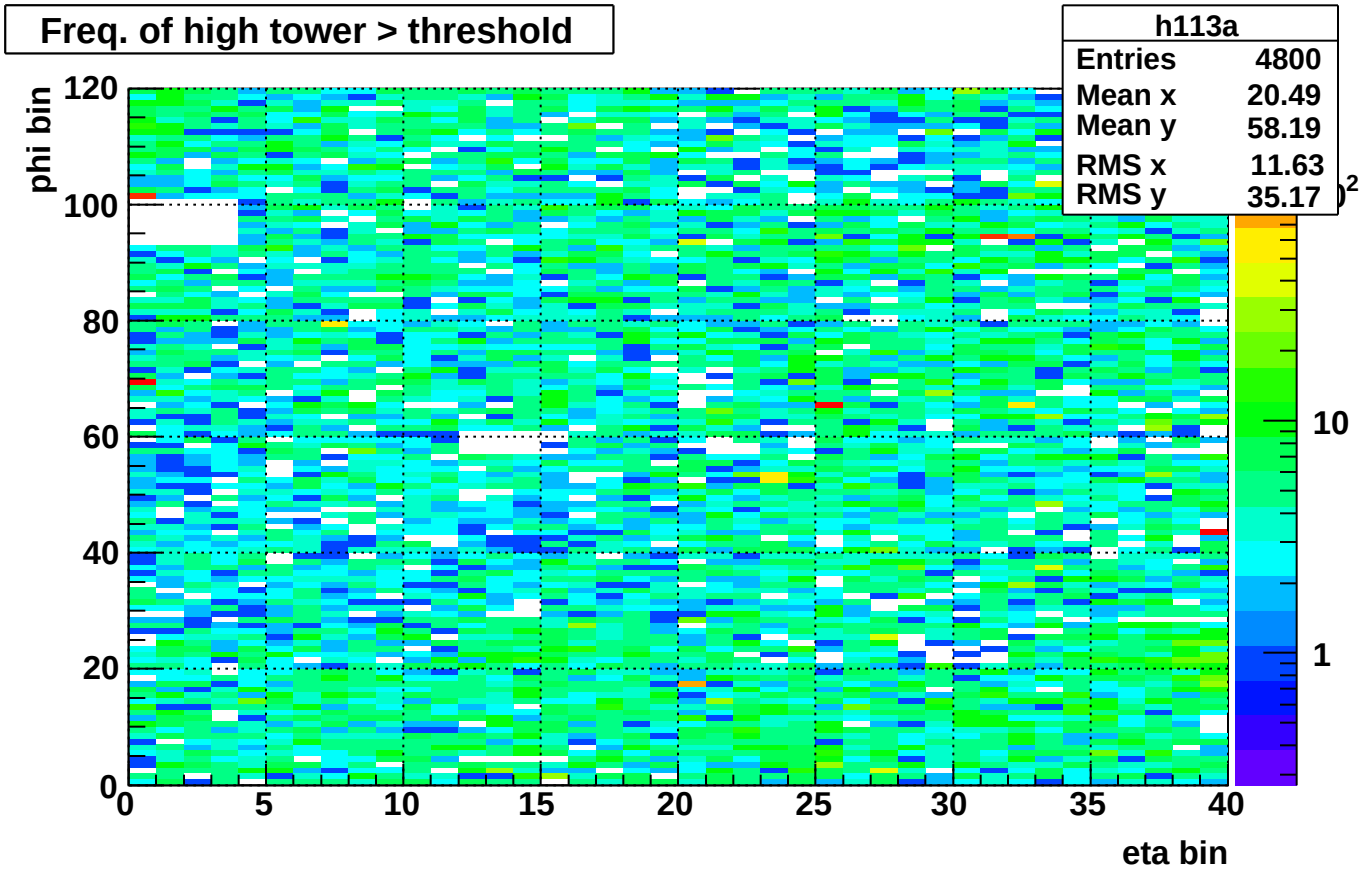

N high towers > threshold
h101
Entries 66434
Mean 1.221
RMS 0.469
5000
0
0 1 2 3 4 5 6 7 8 9 10

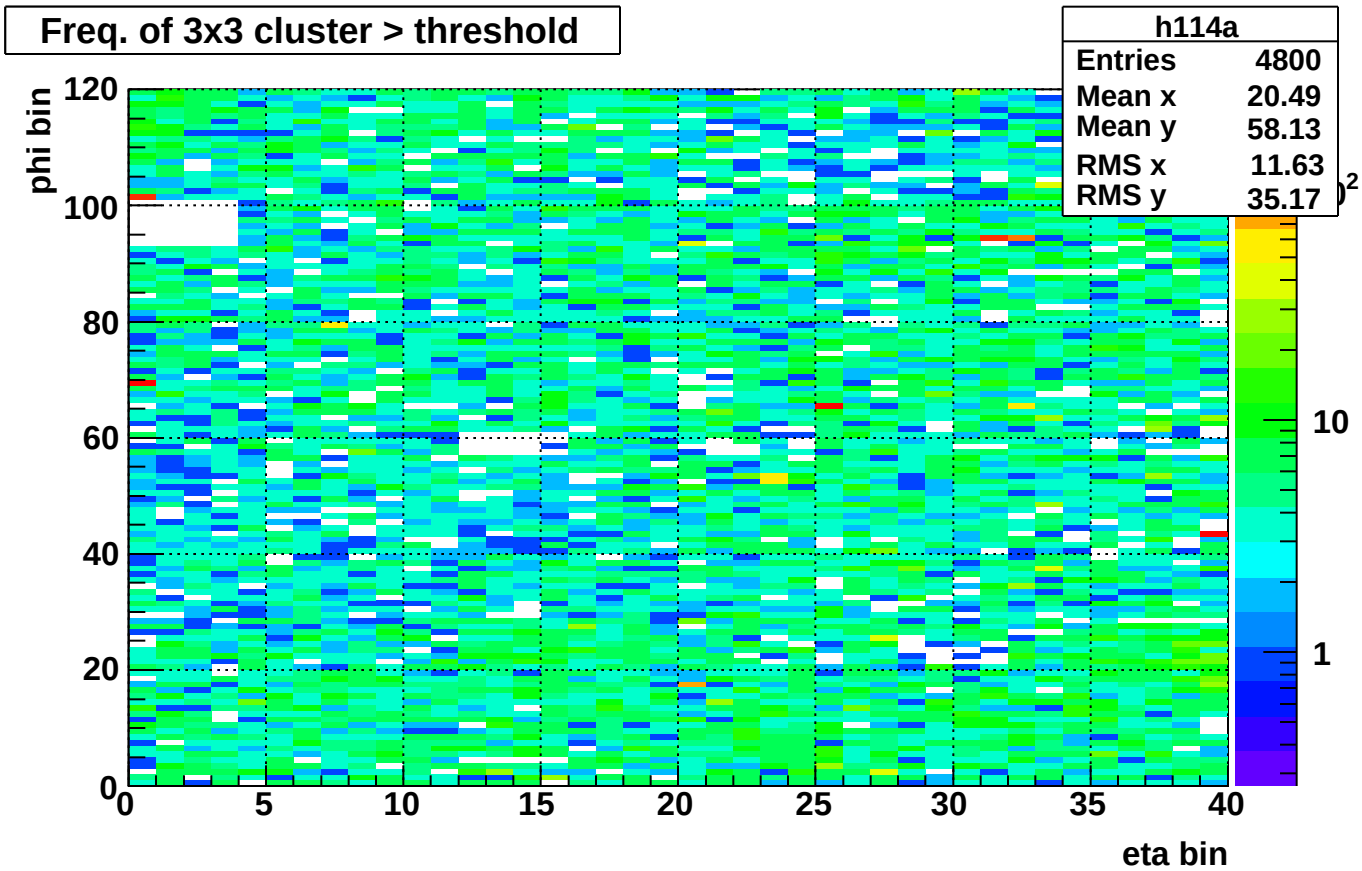

N clusters > threshold (w/ ht > threshold)
h102
Entries 66434
Mean 0.8344
RMS 0.4882
5000
0
0 1 2 3 4 5 6 7 8 9 10

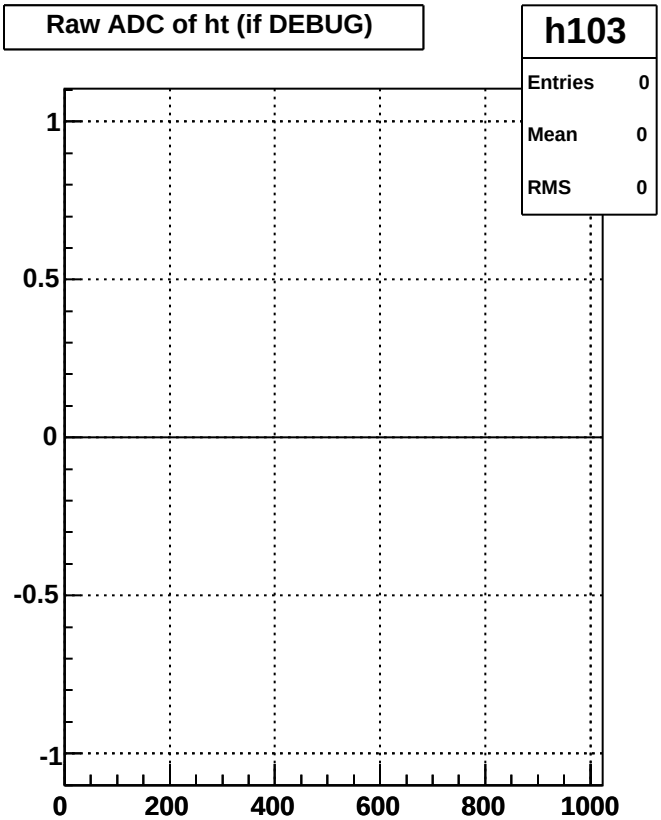

kTicks / input event
h115
Entries 66434
Mean 74.44
RMS 2.991
8000
6000
4000
2000
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

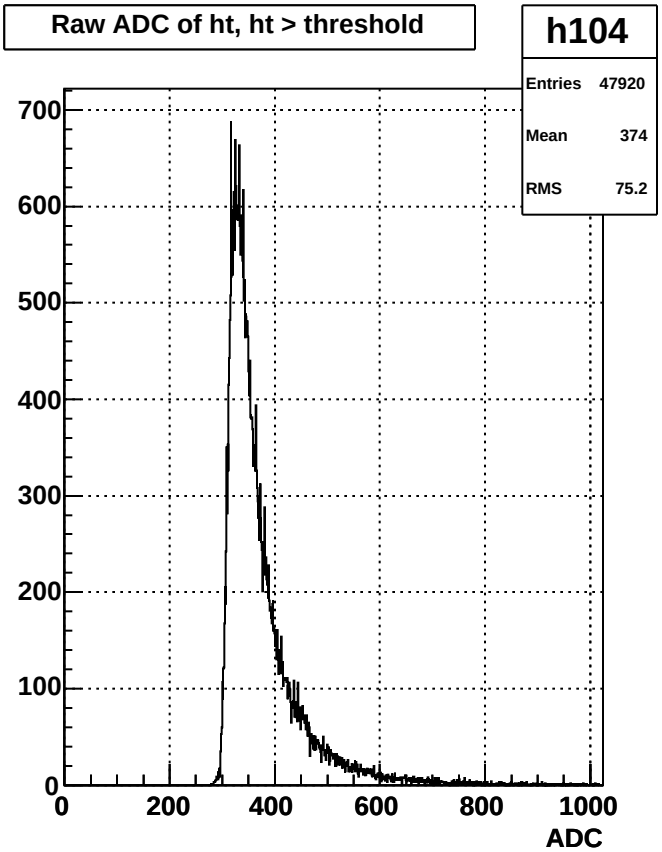

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 22470
Mean 2348
RMS 1406
0
50
100
150
200
250
0
500
1000
1500
2000
2500
3000
3500
4000
4500

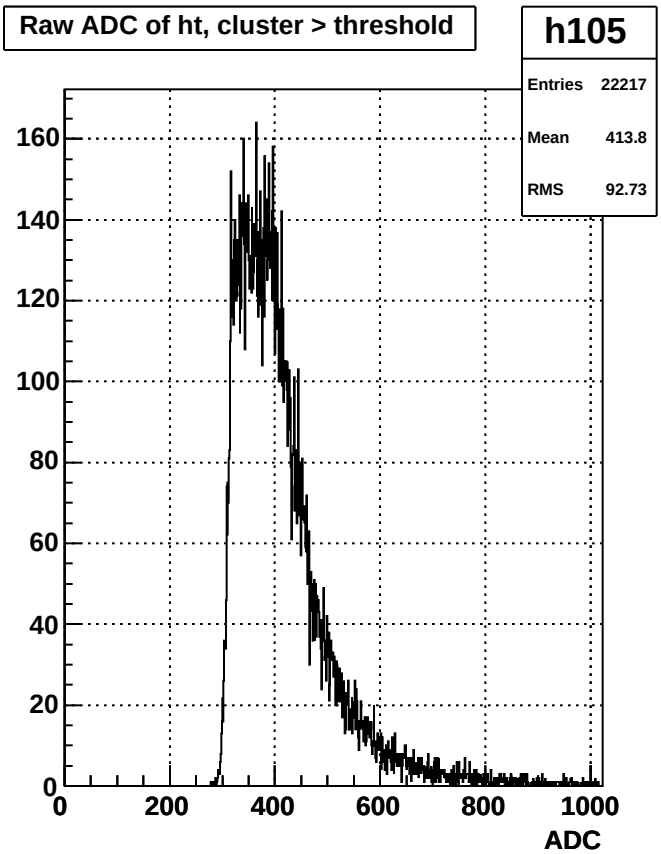

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 22217
Mean 2346
RMS 1406
0
50
100
150
200
250
0
500
1000
1500
2000
2500
3000
3500
4000
4500

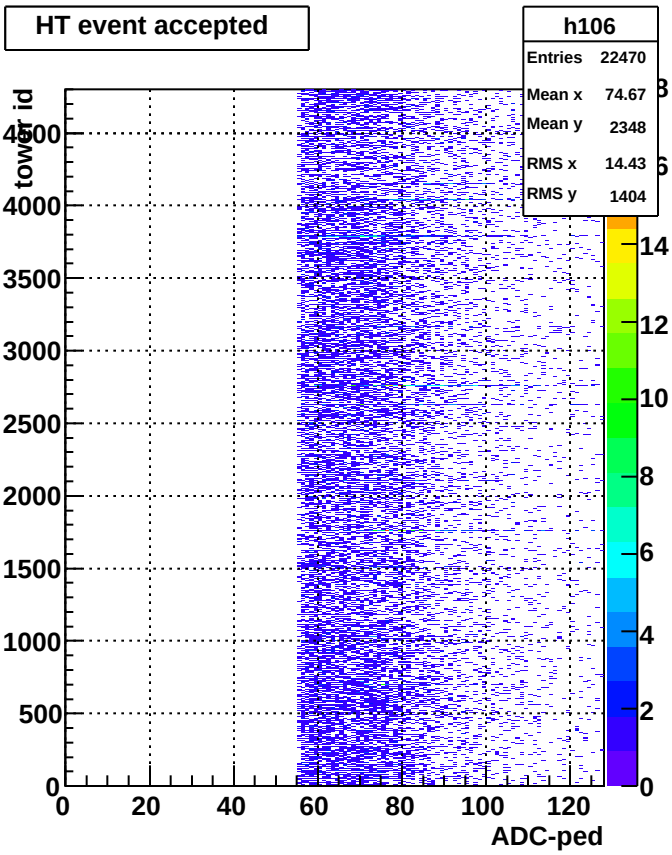

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.49
Mean y 58.19
RMS x 11.63
RMS y 35.17
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

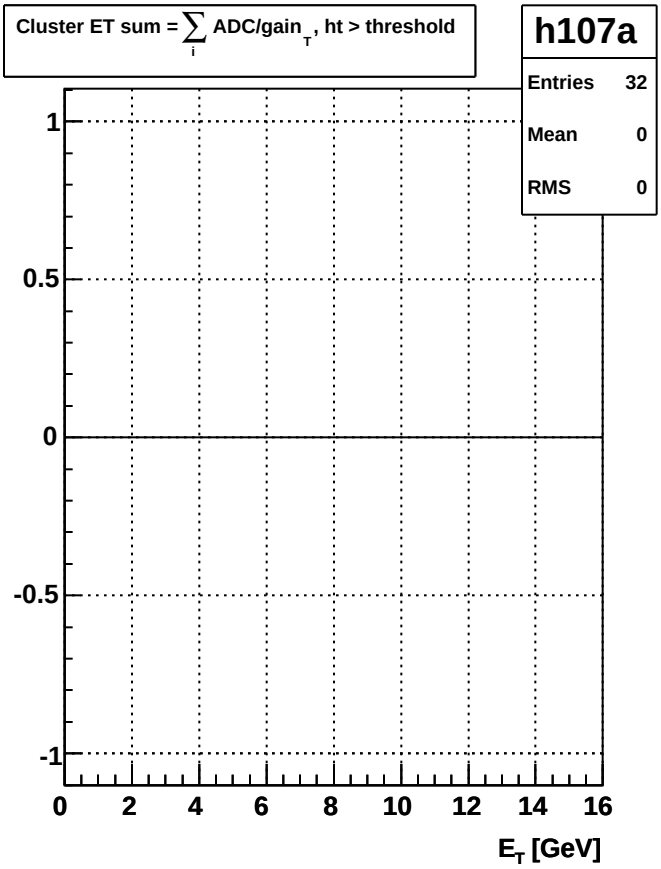

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.49
Mean y 58.13
RMS x 11.63
RMS y 35.17
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10

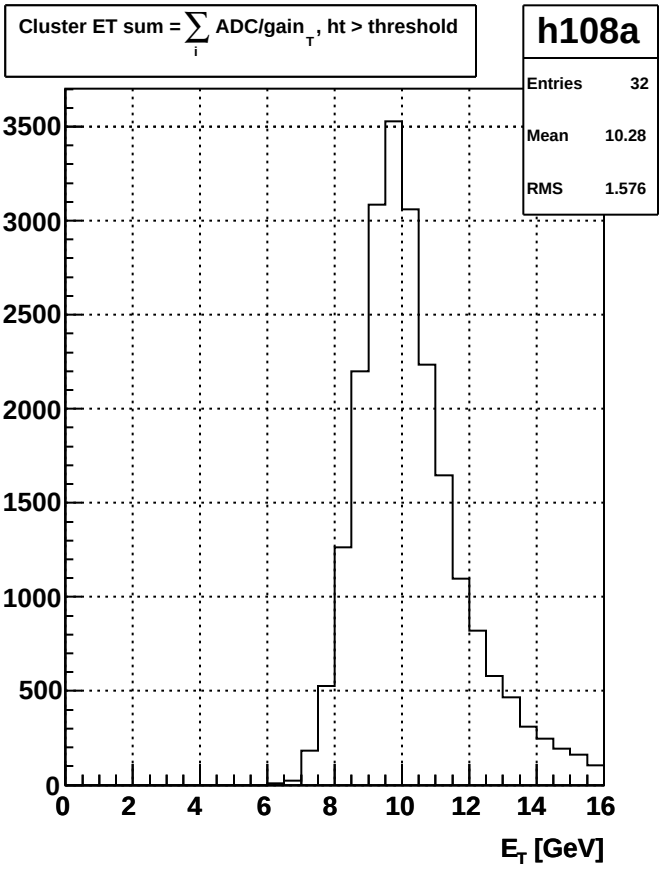

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

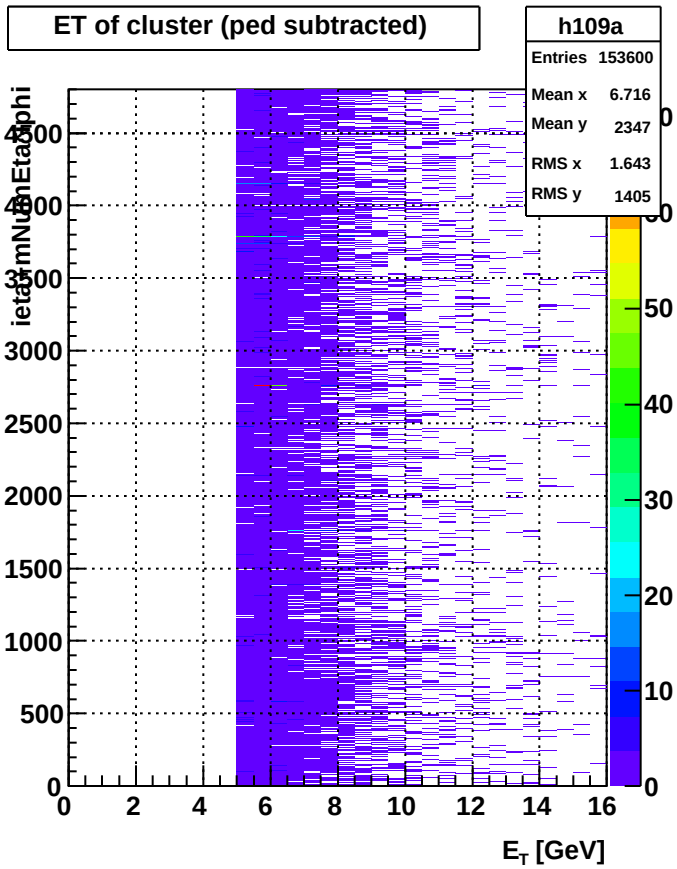

Raw ADC of ht, ht > threshold
h104
Entries 47920
Mean 374
RMS 75.2
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
ADC

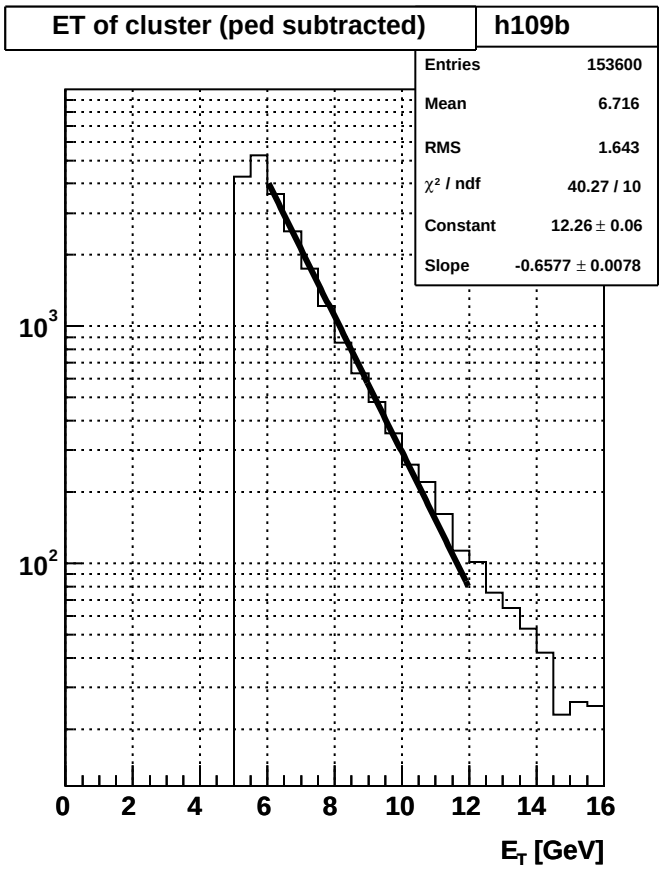

Raw ADC of ht, cluster > threshold
h105
Entries 22217
Mean 413.8
RMS 92.73
160
140
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 22470
Mean x 74.67
Mean y 2348
RMS x 14.43
RMS y 1404
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
14
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 10.28
RMS 1.576
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.716
Mean y 2347
RMS x 1.643
RMS y 1405
ietaNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.716
RMS 1.643
χ^2 / ndf 40.27 / 10
Constant 12.26 ± 0.06
Slope -0.6577 ± 0.0078
E_T [GeV]