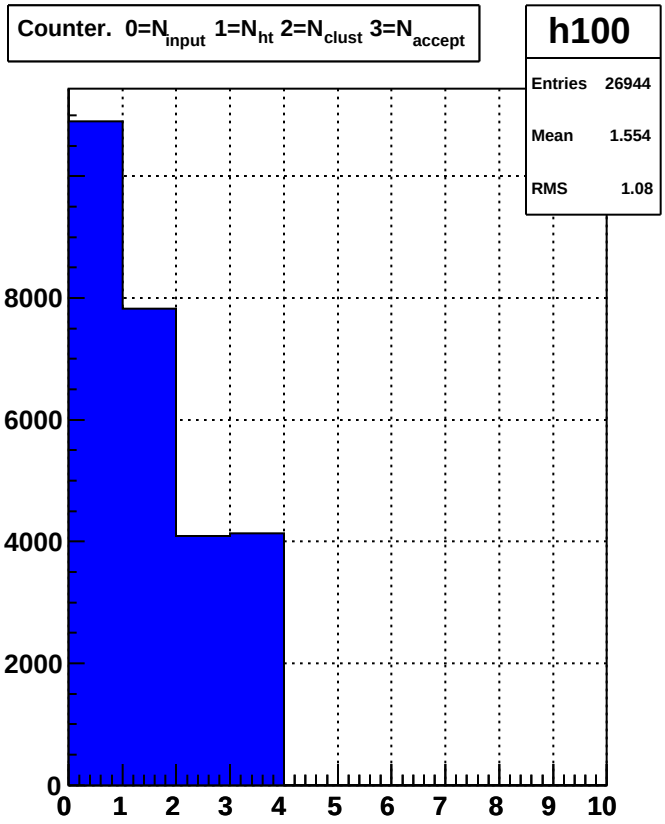
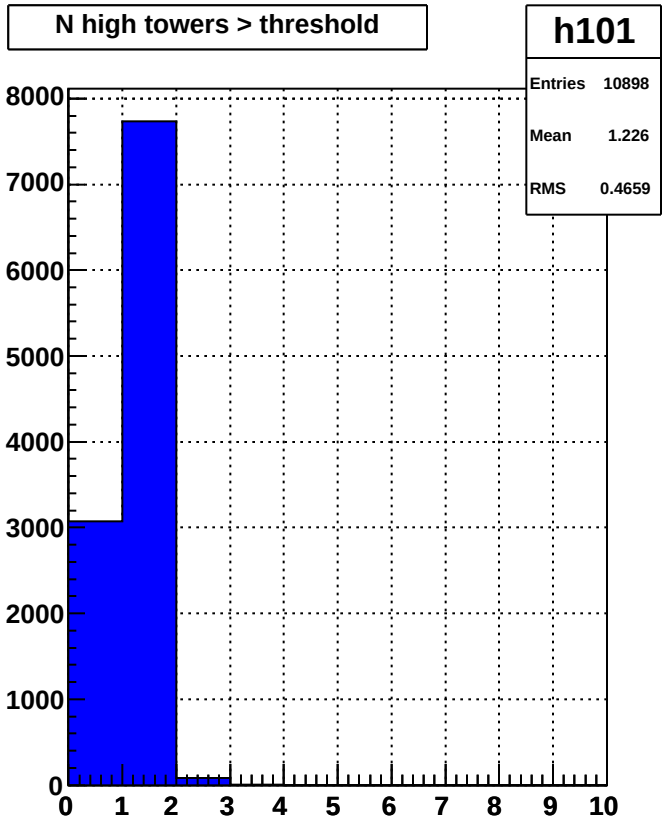
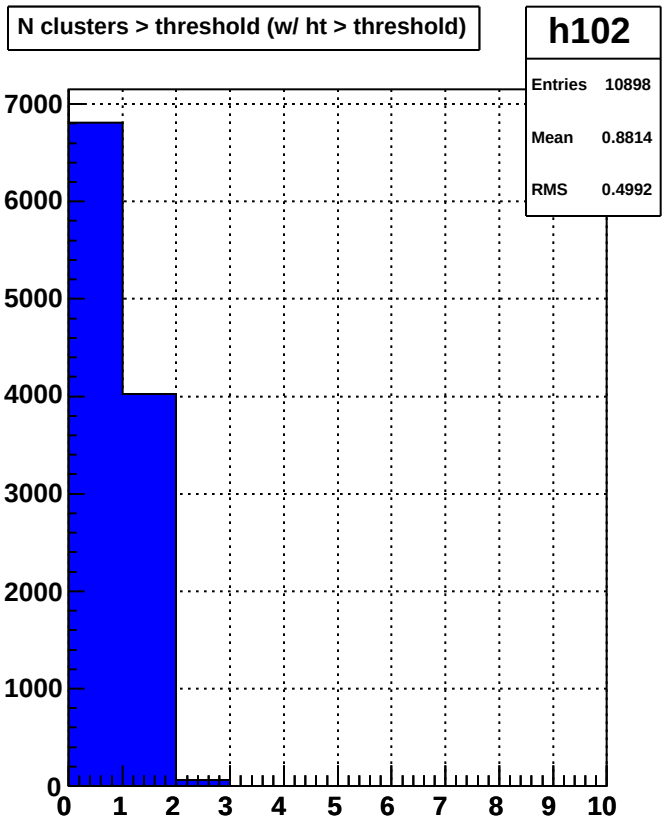
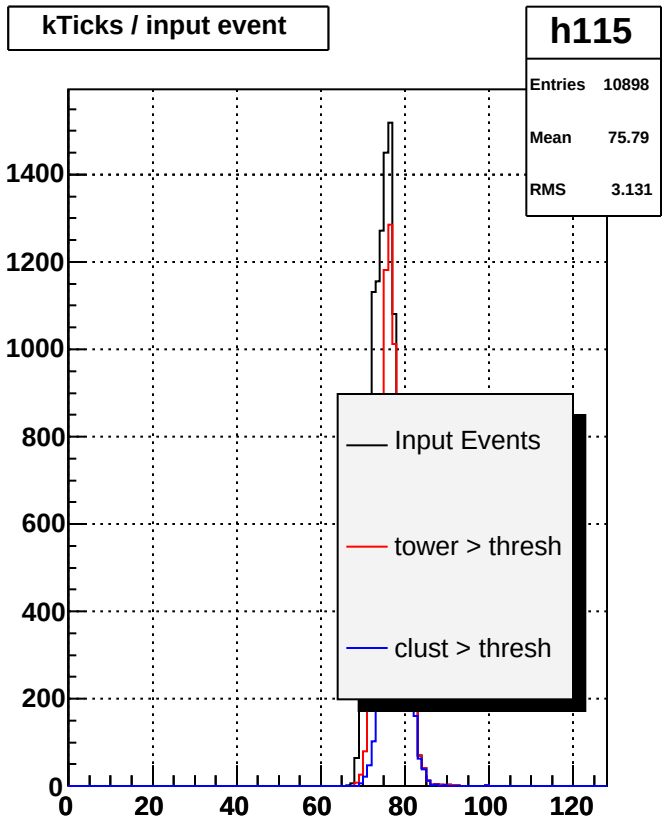
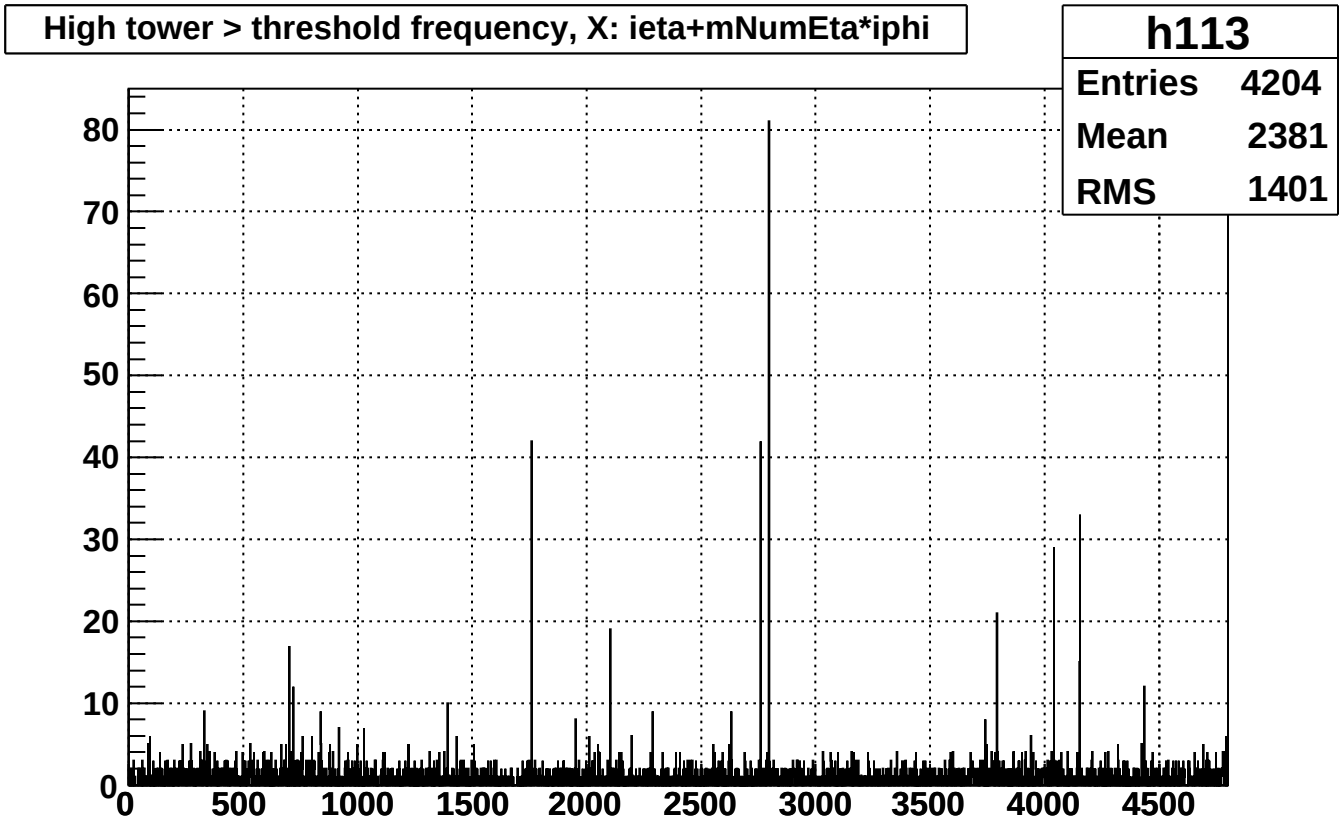
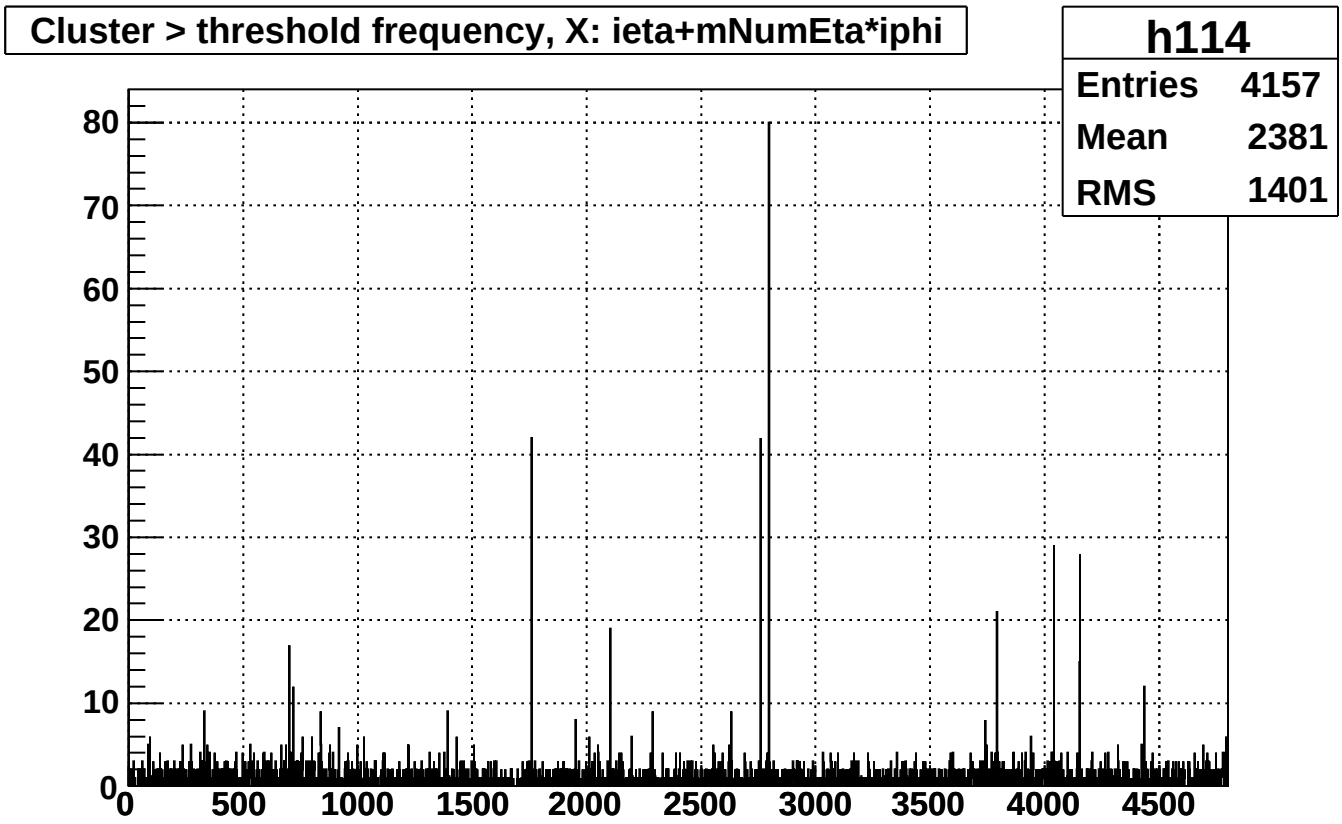

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 26944
Mean 1.554
RMS 1.08
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

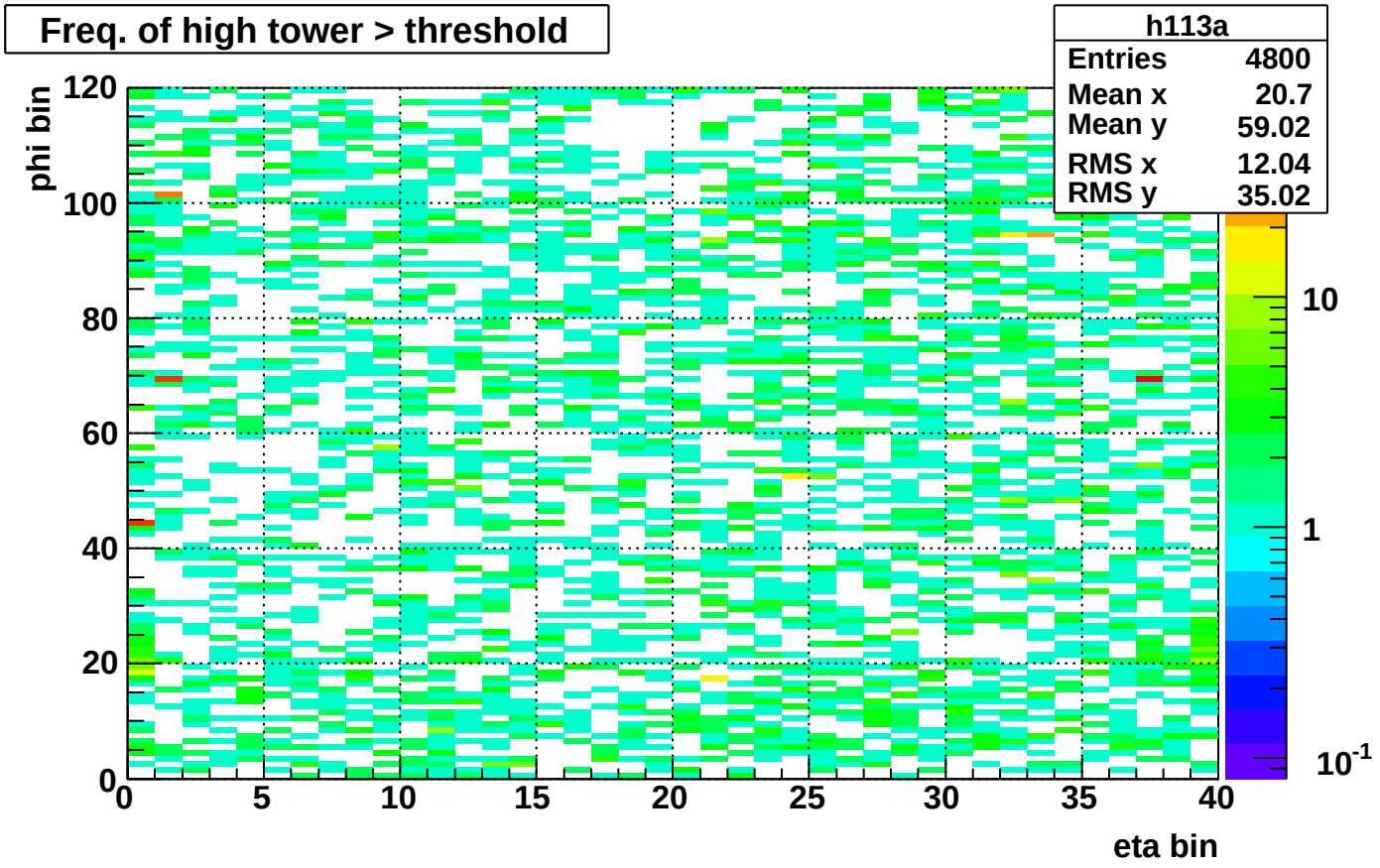

N high towers > threshold
h101
Entries 10898
Mean 1.226
RMS 0.4659
0
1000
2000
3000
4000
5000
6000
7000
8000
0 1 2 3 4 5 6 7 8 9 10

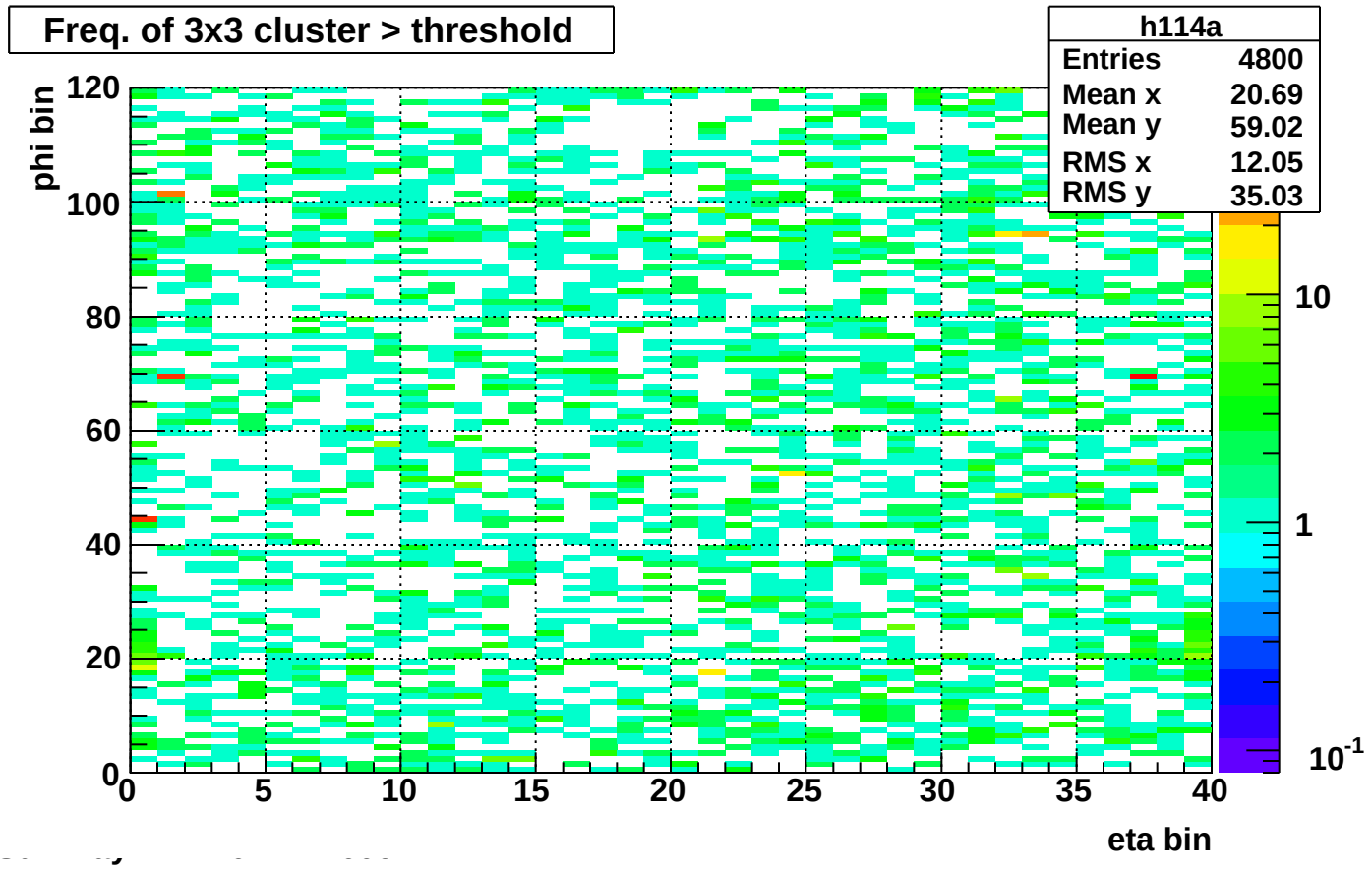

N clusters > threshold (w/ ht > threshold)
h102
Entries 10898
Mean 0.8814
RMS 0.4992
0
1000
2000
3000
4000
5000
6000
7000
0 1 2 3 4 5 6 7 8 9 10

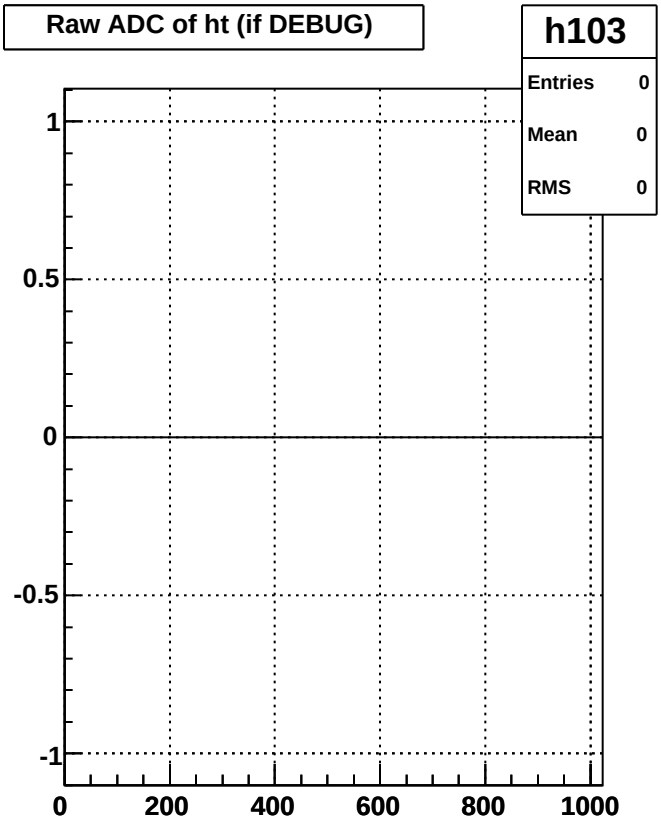

kTicks / input event
h115
Entries 10898
Mean 75.79
RMS 3.131
Input Events
tower > thresh
clust > thresh
0
200
400
600
800
1000
1200
1400
0 20 40 60 80 100 120

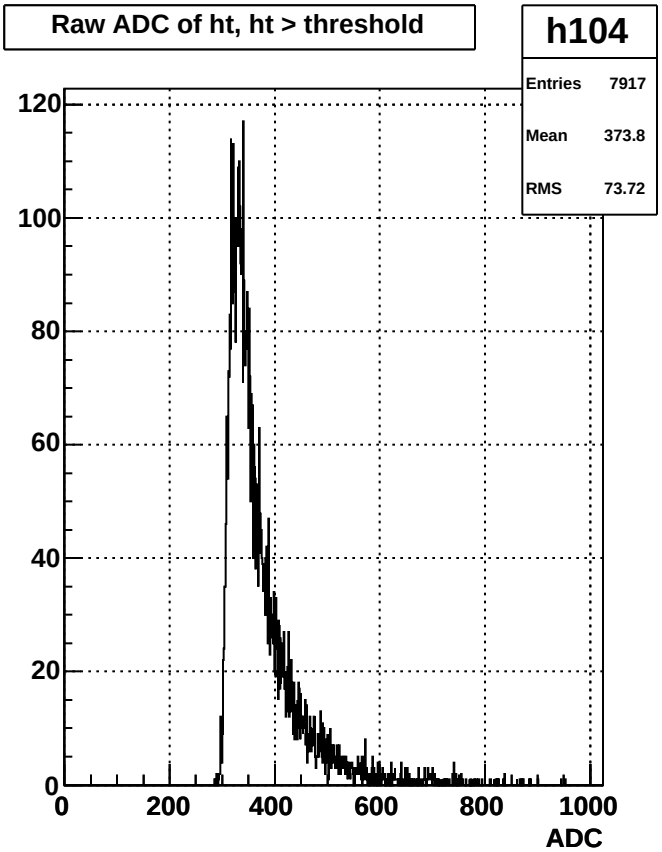

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 4204
Mean 2381
RMS 1401
0
10
20
30
40
50
60
70
80
0
500
1000
1500
2000
2500
3000
3500
4000
4500

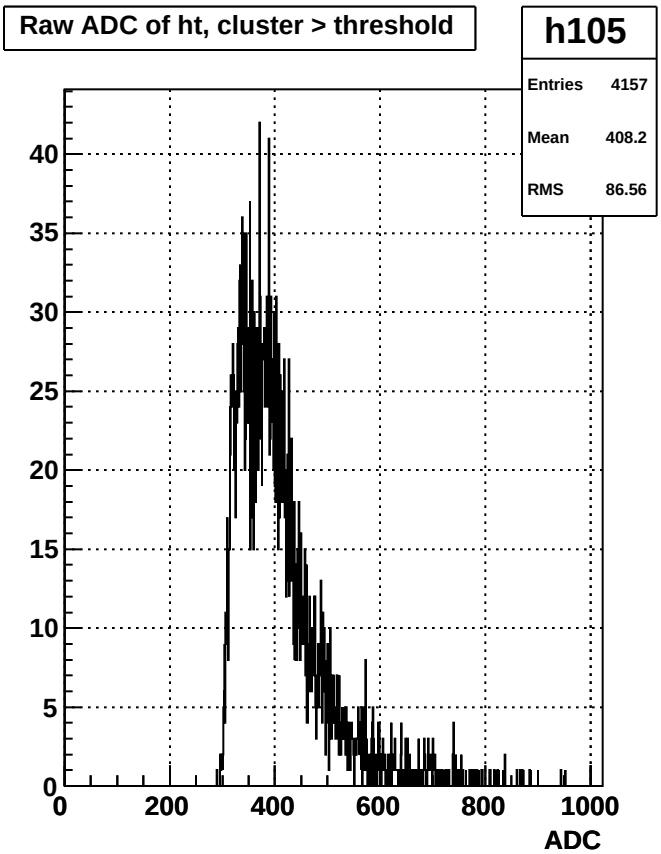

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 4157
Mean 2381
RMS 1401
0
10
20
30
40
50
60
70
80
0
500
1000
1500
2000
2500
3000
3500
4000
4500

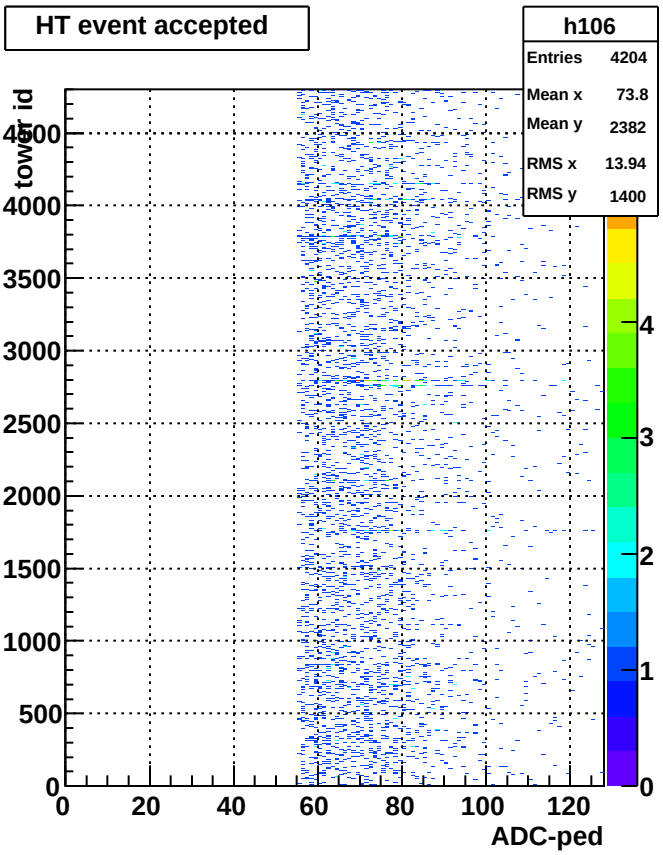

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.7
Mean y 59.02
RMS x 12.04
RMS y 35.02
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

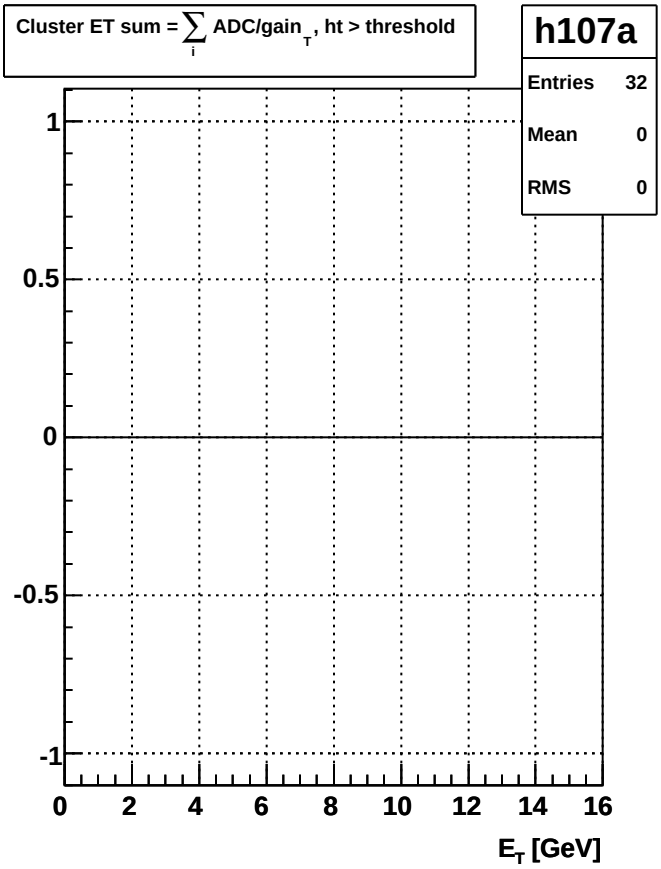

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.69
Mean y 59.02
RMS x 12.05
RMS y 35.03
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

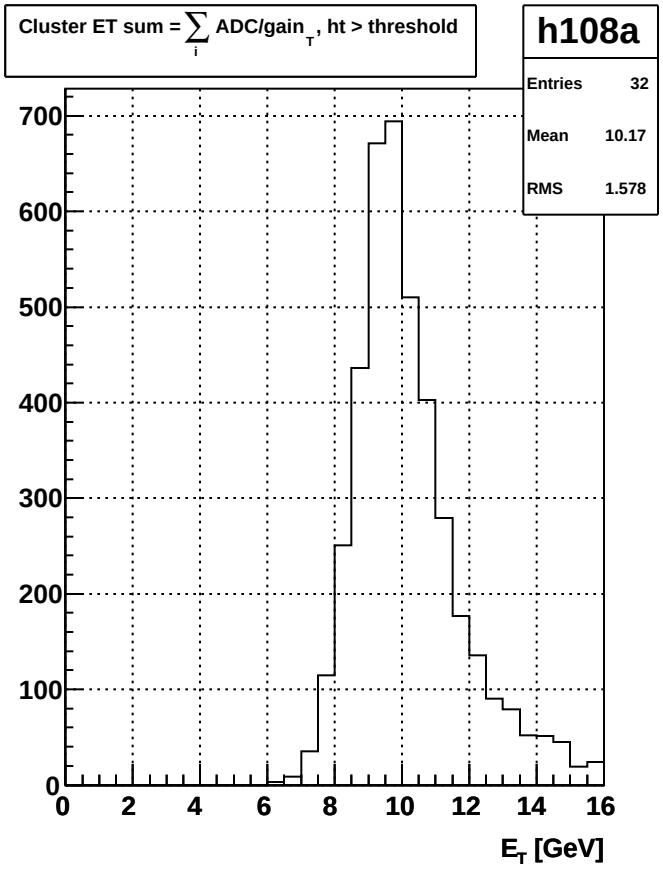

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

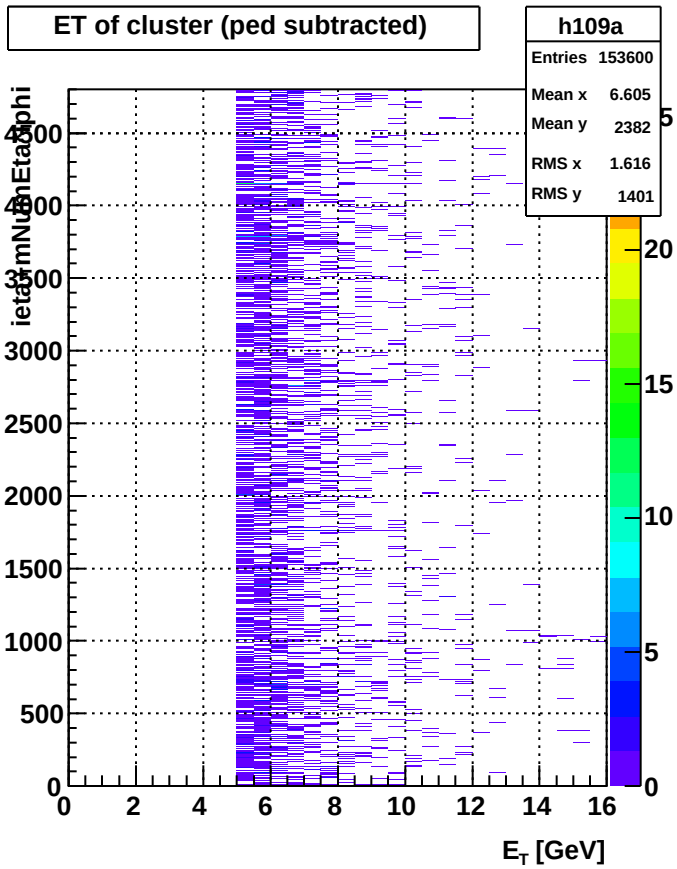

Raw ADC of ht, ht > threshold
h104
Entries 7917
Mean 373.8
RMS 73.72
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC

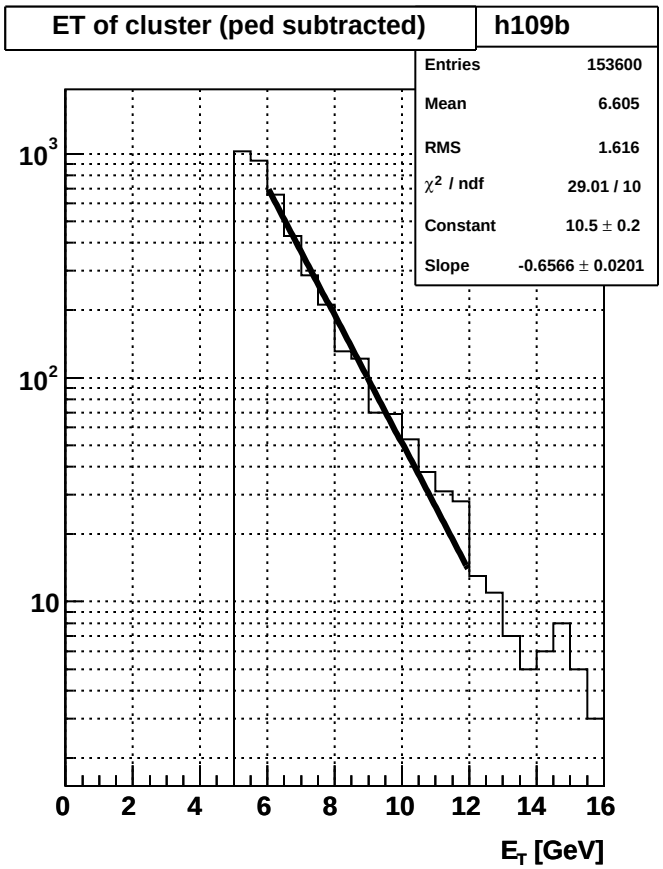

Raw ADC of ht, cluster > threshold
h105
Entries 4157
Mean 408.2
RMS 86.56
40
35
30
25
20
15
10
5
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 4204
Mean x 73.8
Mean y 2382
RMS x 13.94
RMS y 1400
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
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 10.17
RMS 1.578
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 6.605
Mean y 2382
RMS x 1.616
RMS y 1401
ietaTimNumEtaPhi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 6.605
RMS 1.616
χ^2 / ndf 29.01 / 10
Constant 10.5 ± 0.2
Slope -0.6566 ± 0.0201
E_T [GeV]