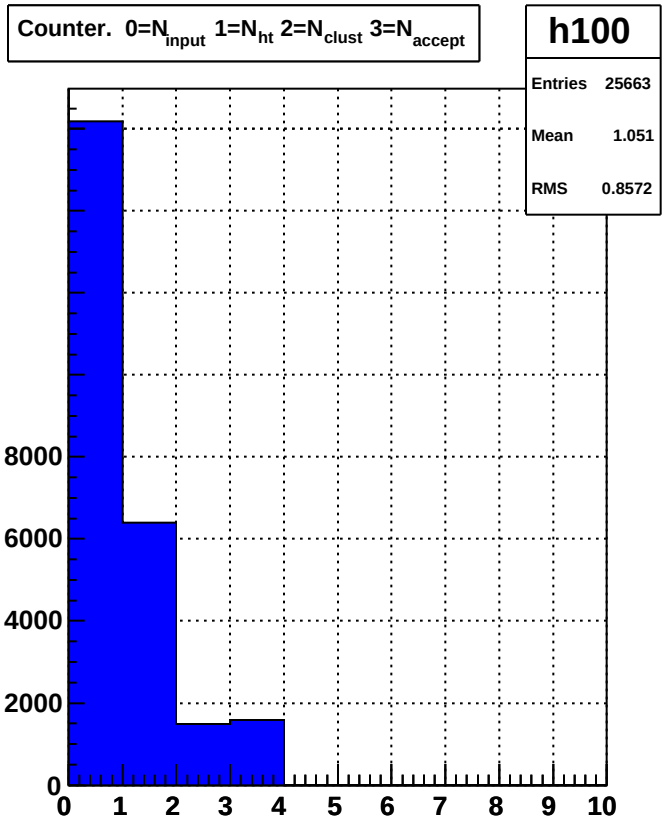
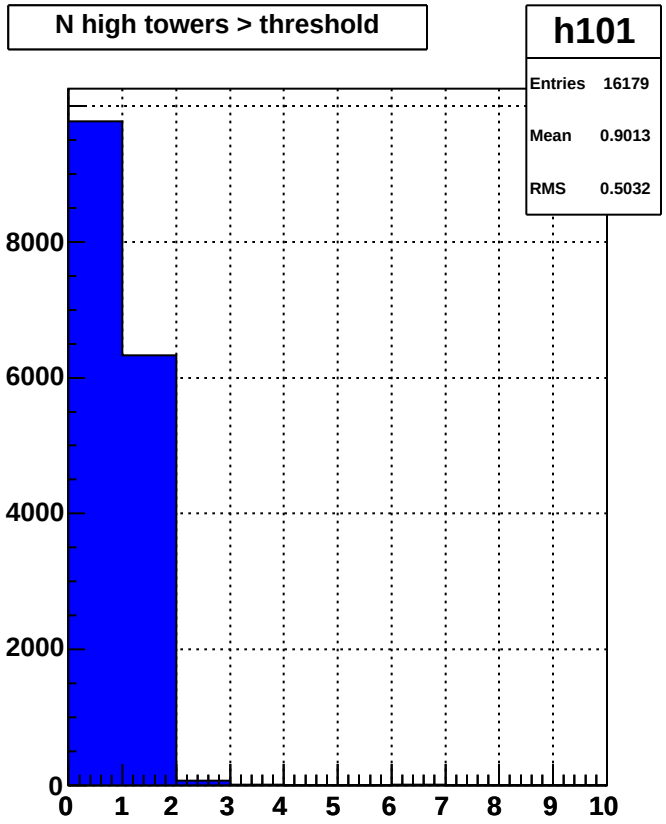
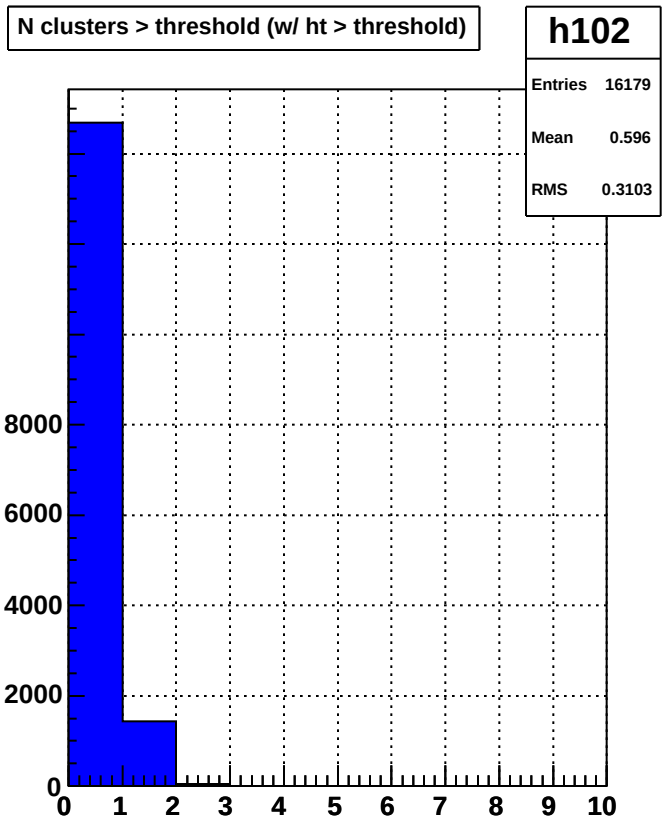
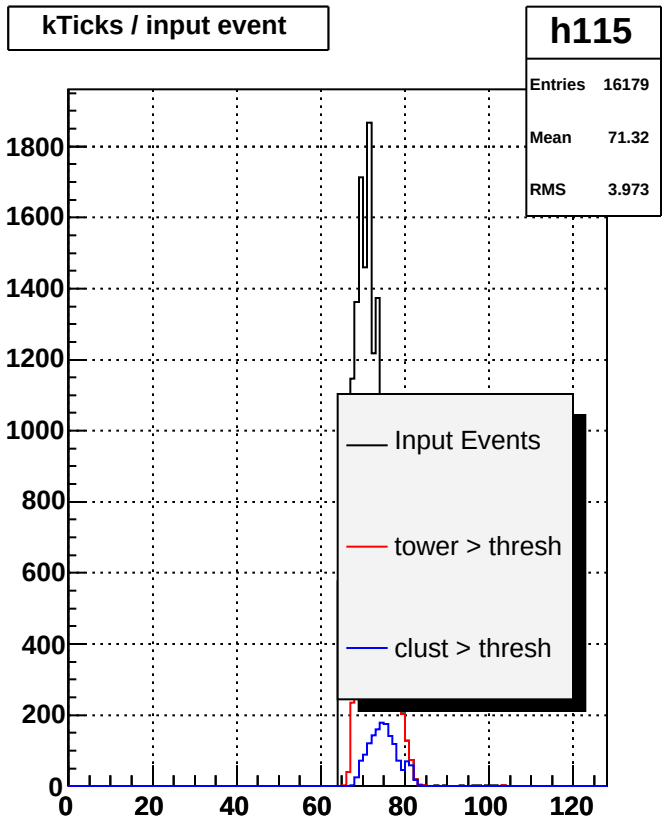
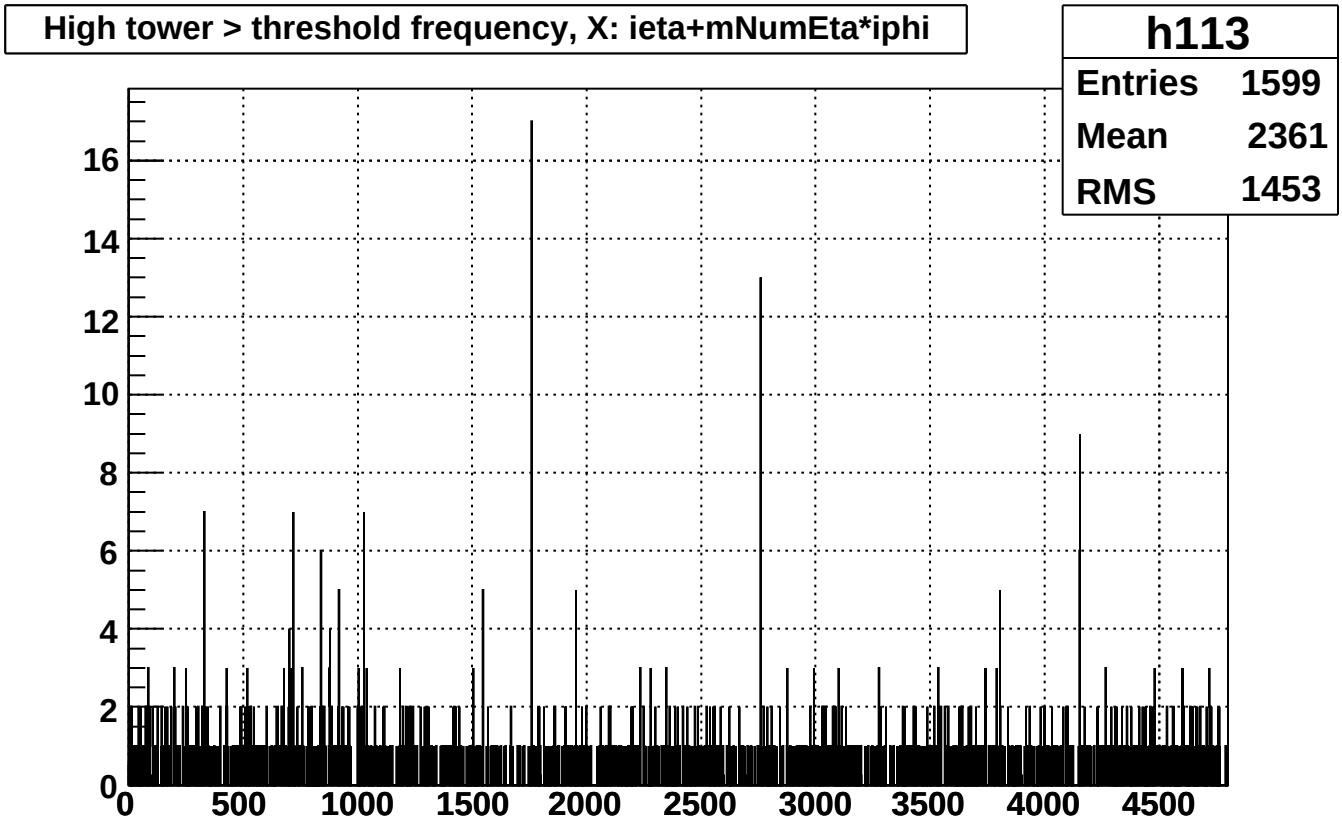
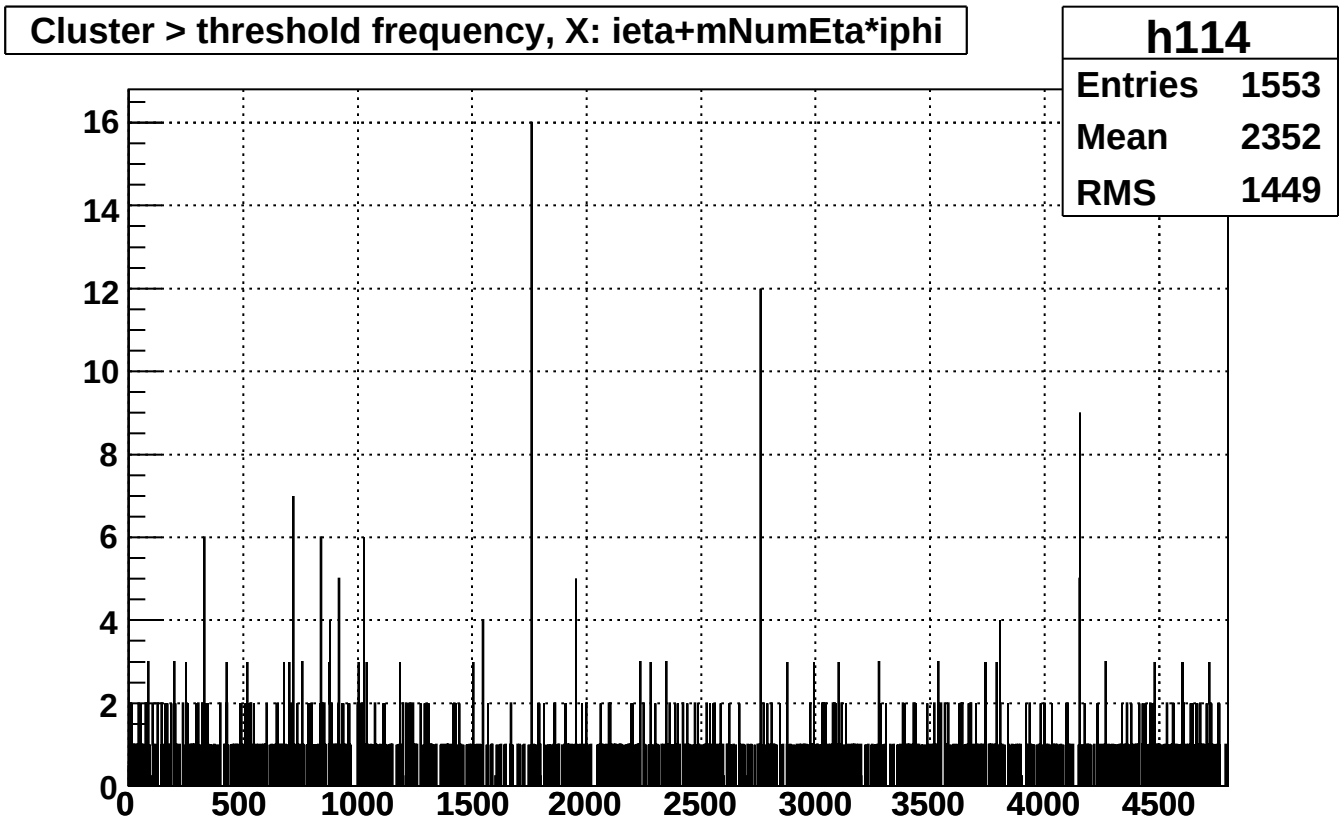

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 25663
Mean 1.051
RMS 0.8572
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

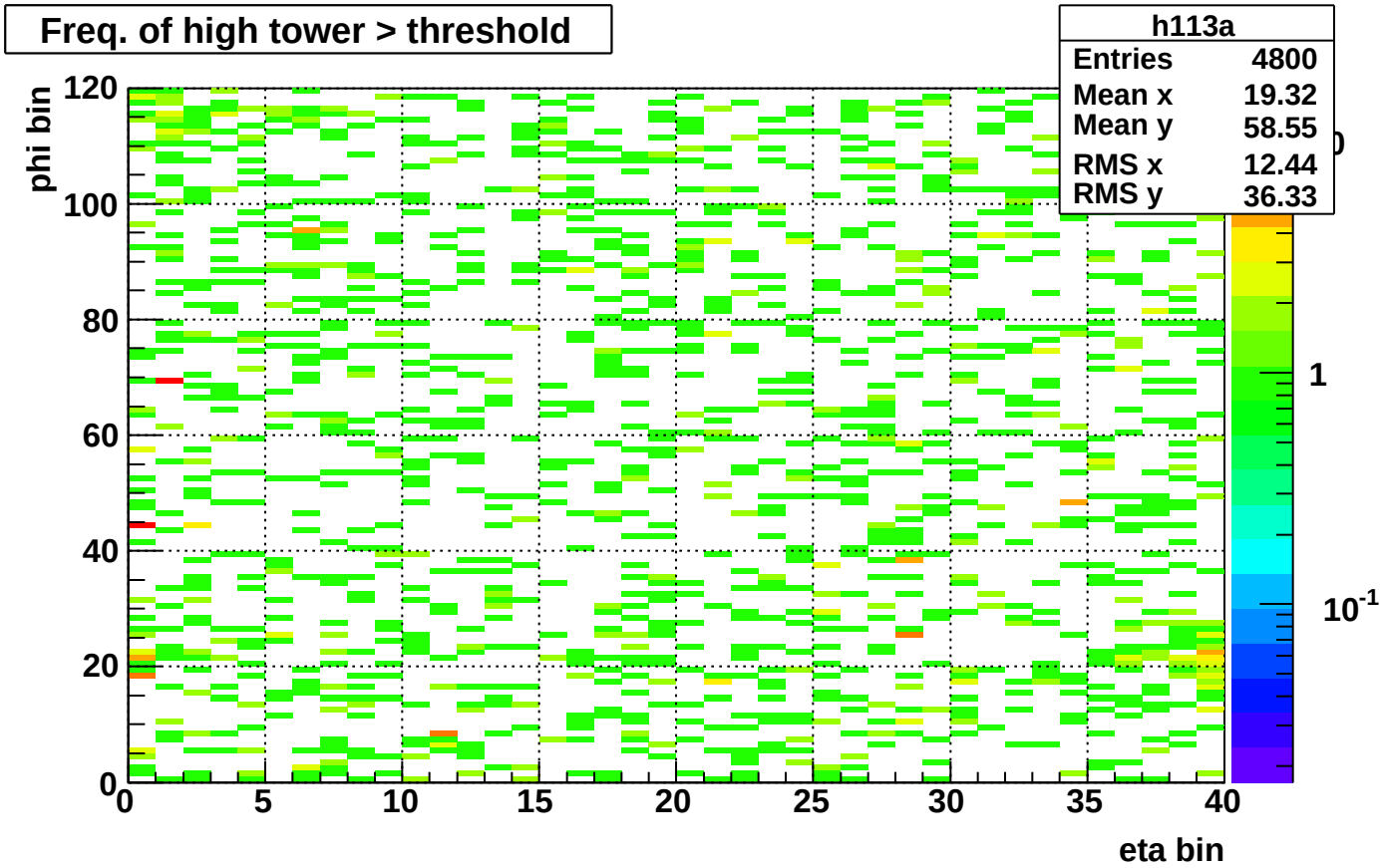

N high towers > threshold
h101
Entries 16179
Mean 0.9013
RMS 0.5032
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

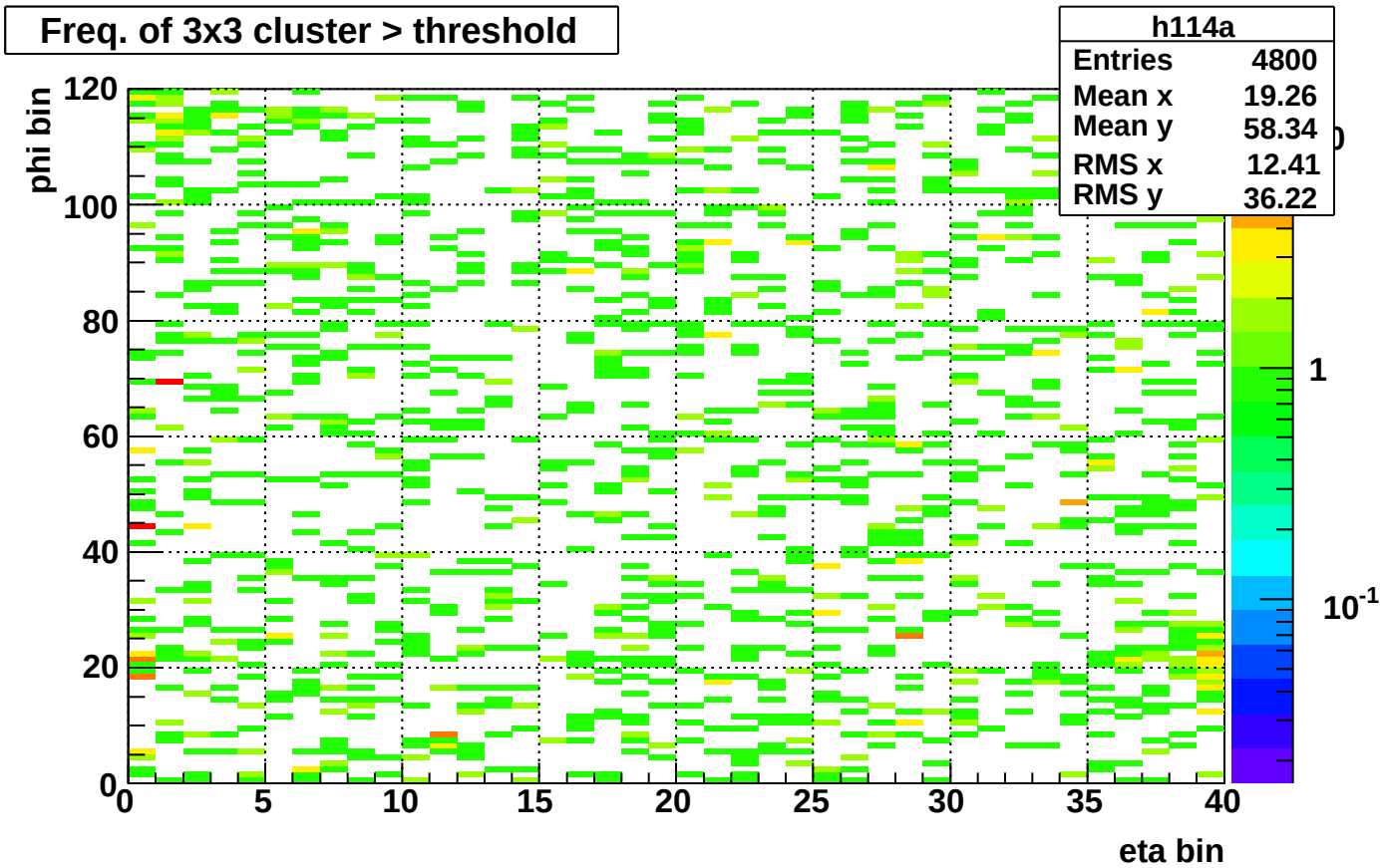

N clusters > threshold (w/ ht > threshold)
h102
Entries 16179
Mean 0.596
RMS 0.3103
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

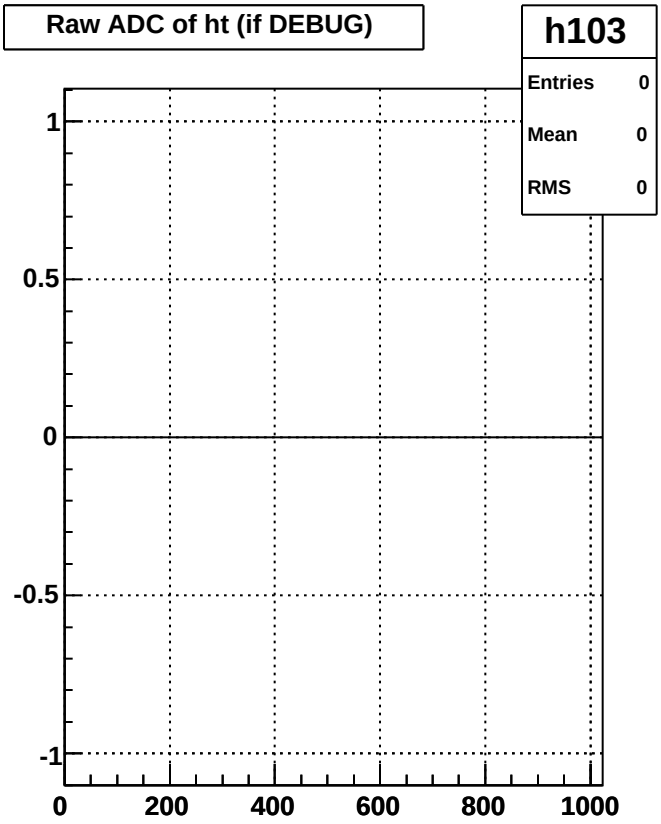

kTicks / input event
h115
Entries 16179
Mean 71.32
RMS 3.973
Input Events
tower > thresh
clust > thresh
0
200
400
600
800
1000
1200
1400
1600
1800
0 20 40 60 80 100 120

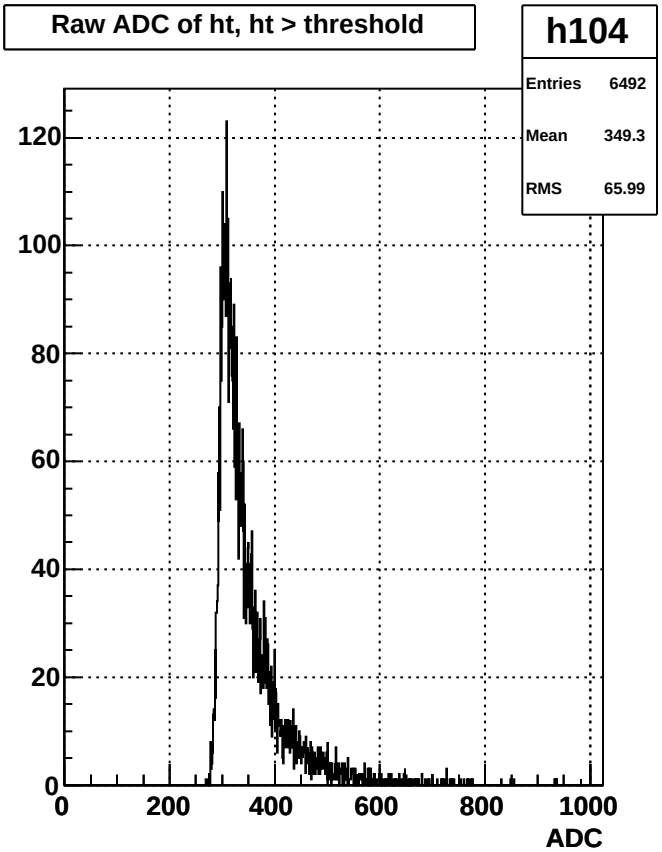

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1599
Mean 2361
RMS 1453
0
2
4
6
8
10
12
14
16
0
500
1000
1500
2000
2500
3000
3500
4000
4500

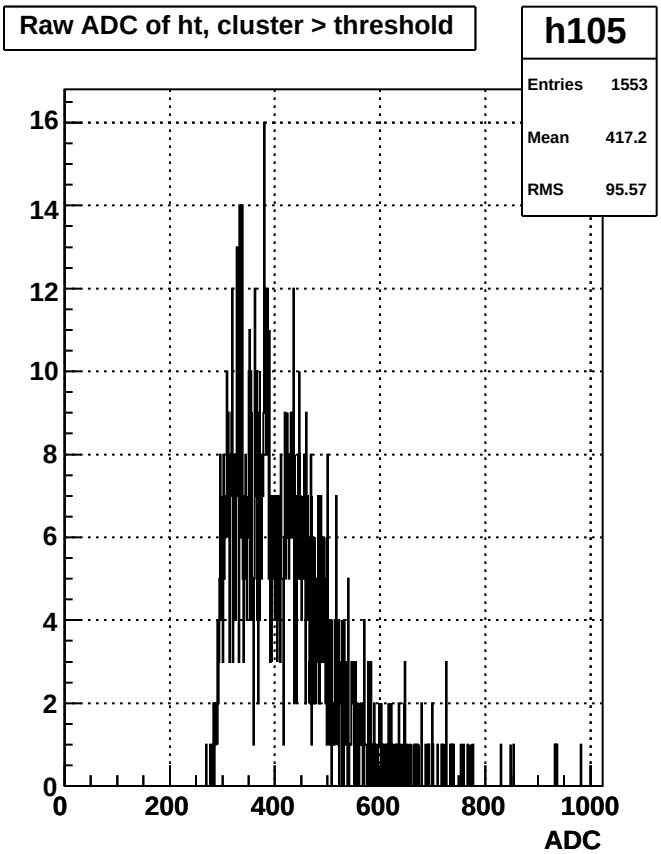

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1553
Mean 2352
RMS 1449
0
2
4
6
8
10
12
14
16
0
500
1000
1500
2000
2500
3000
3500
4000
4500

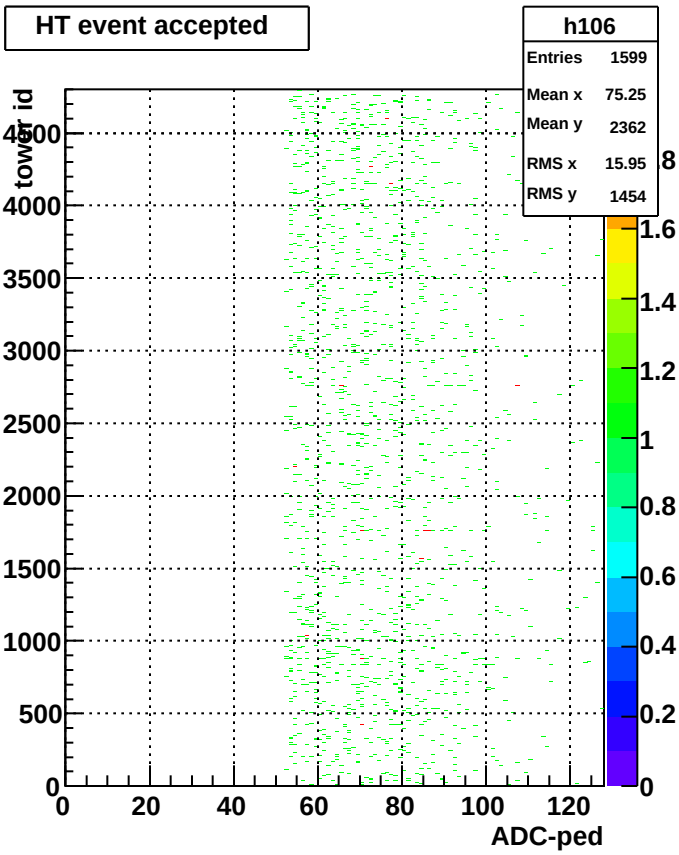

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 19.32
Mean y 58.55
RMS x 12.44
RMS y 36.33
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10^{-1}

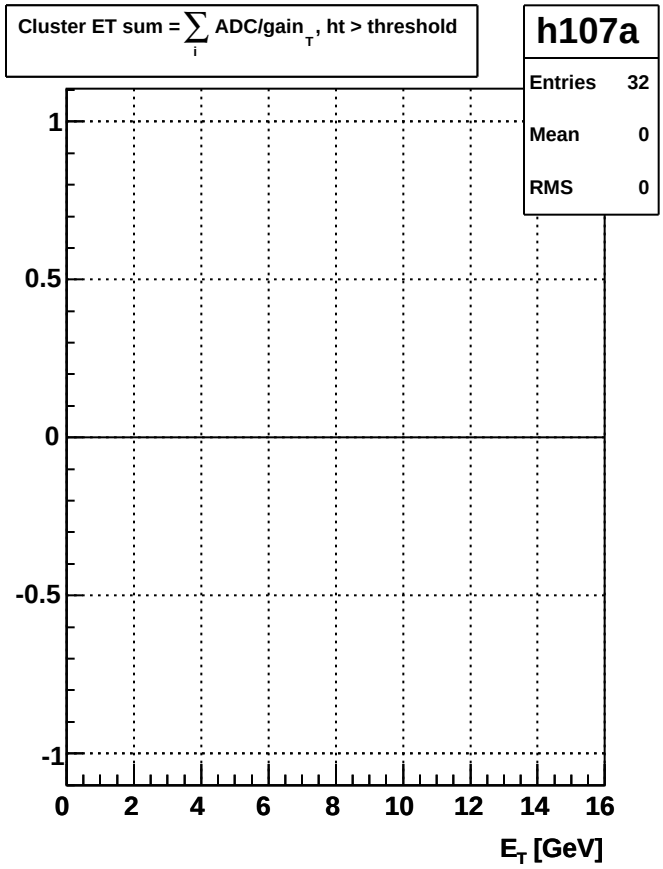

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 19.26
Mean y 58.34
RMS x 12.41
RMS y 36.22
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10^{-1}

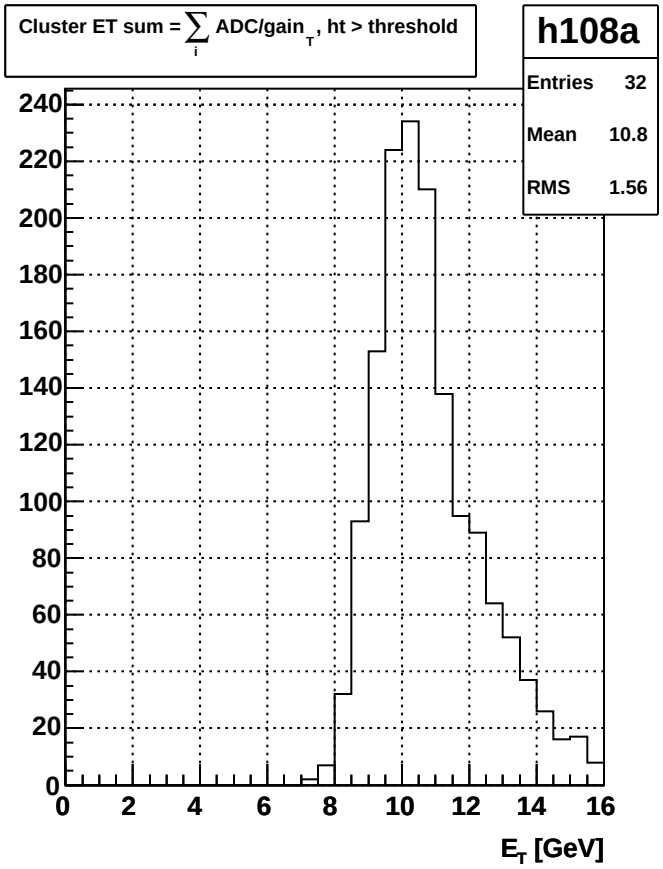

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

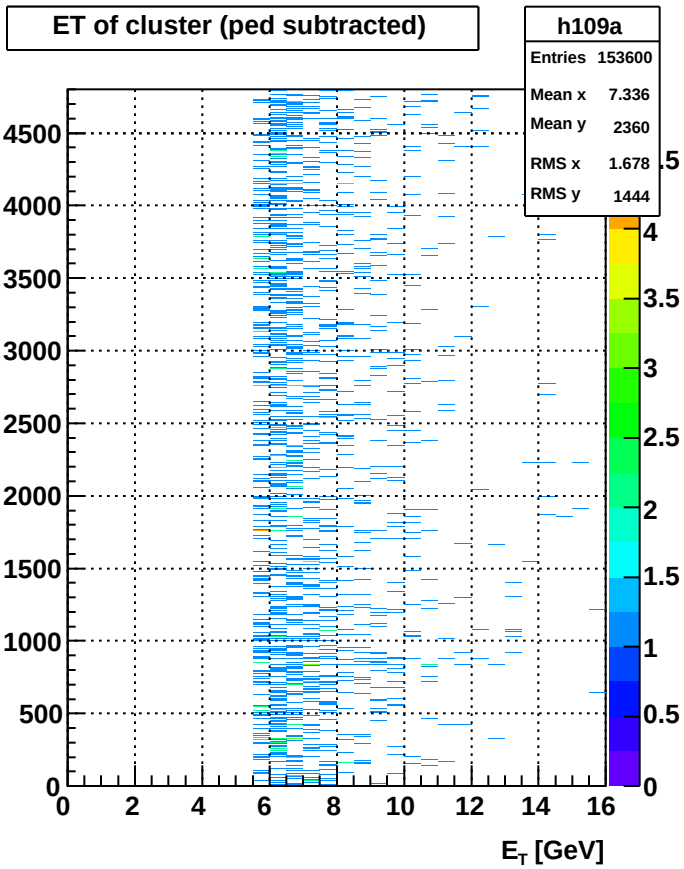

Raw ADC of ht, ht > threshold
h104
Entries 6492
Mean 349.3
RMS 65.99
120
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


Raw ADC of ht, cluster > threshold
h105
Entries 1553
Mean 417.2
RMS 95.57
16
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1599
Mean x 75.25
Mean y 2362
RMS x 15.95
RMS y 1454
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
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 10.8
RMS 1.56
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 7.336
Mean y 2360
RMS x 1.678
RMS y 1444
E_T [GeV]