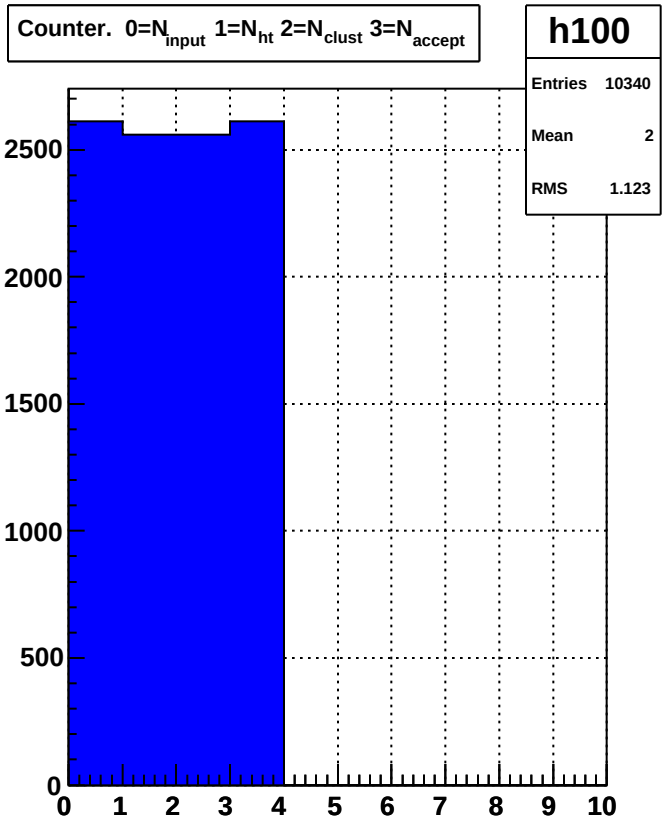
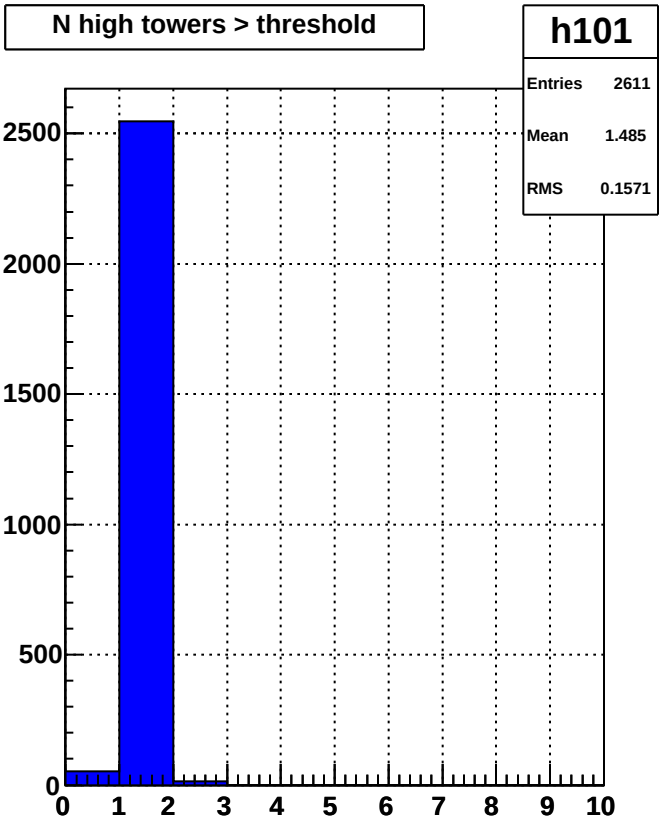
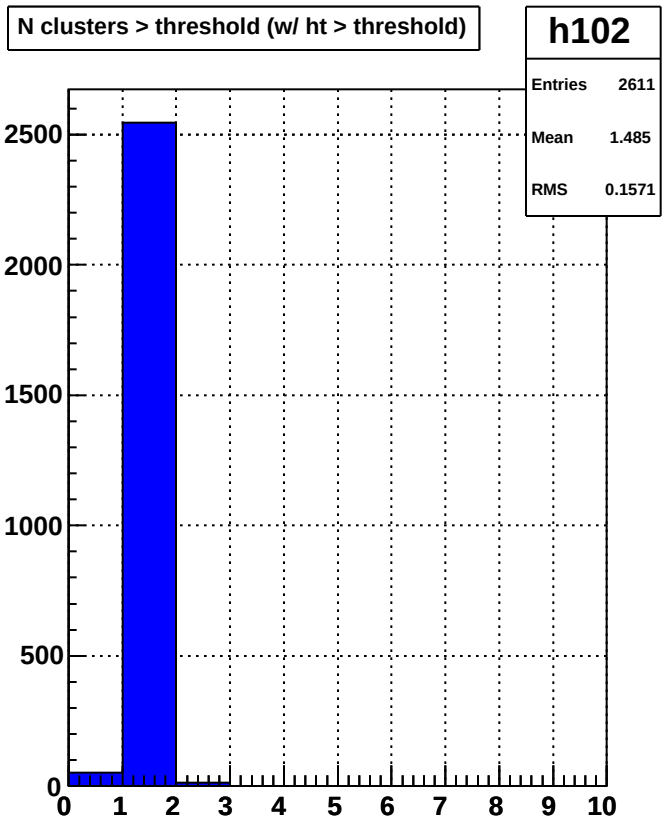
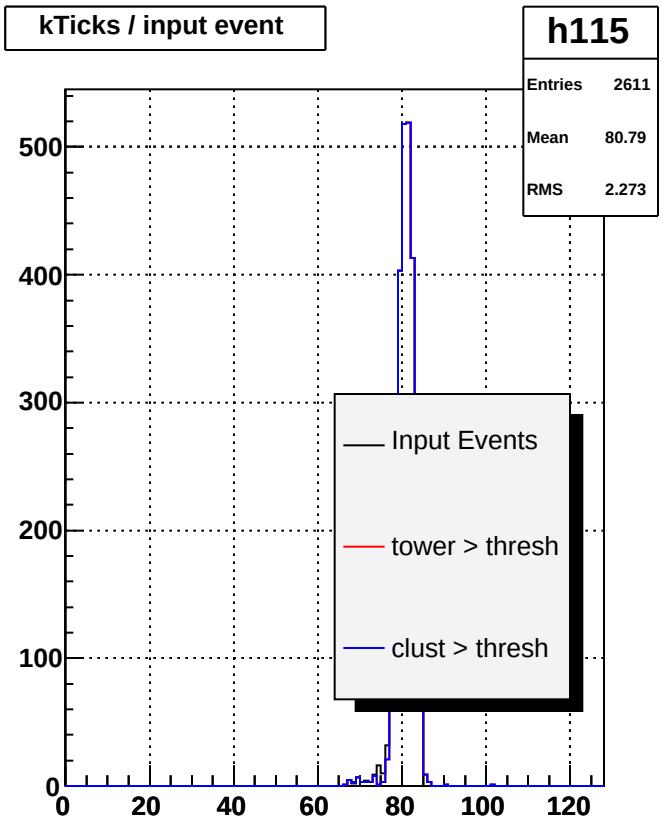
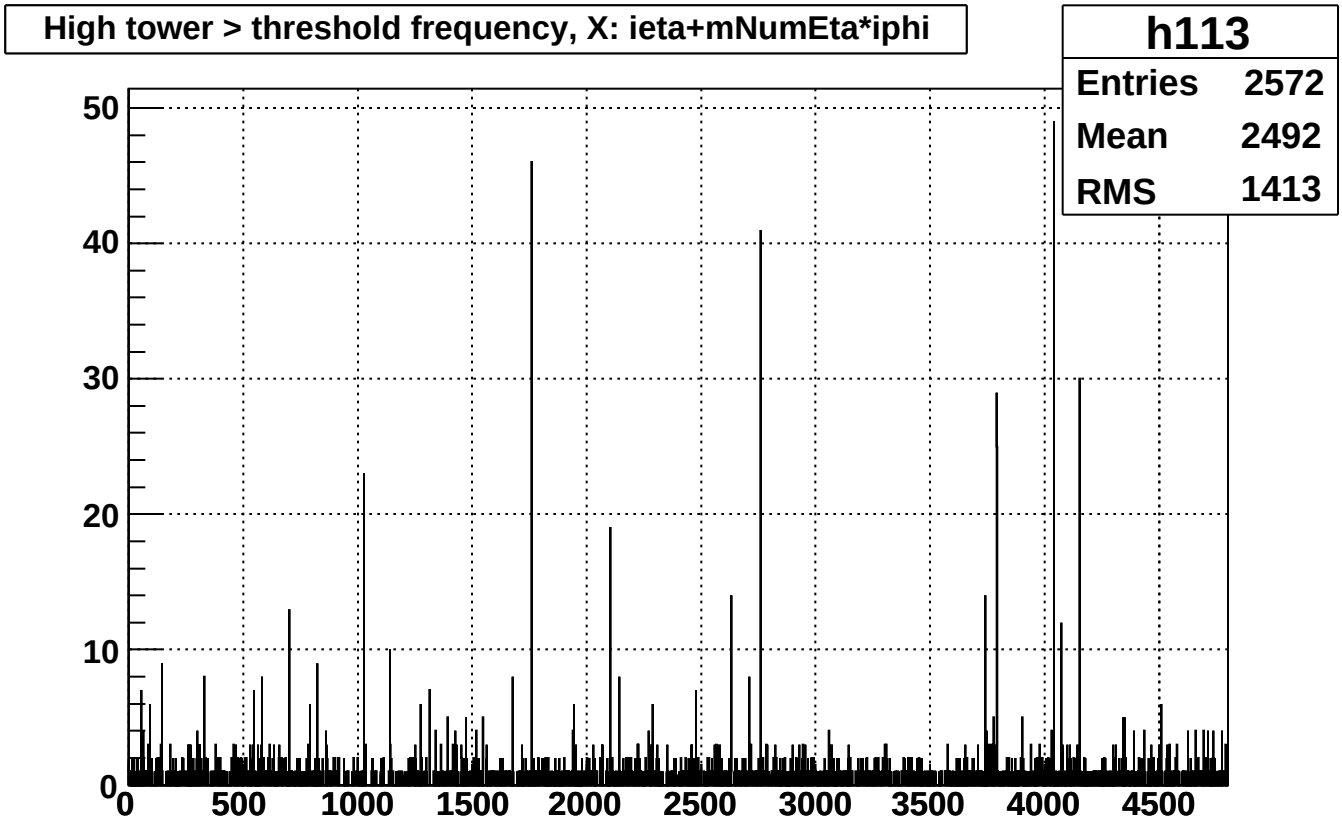
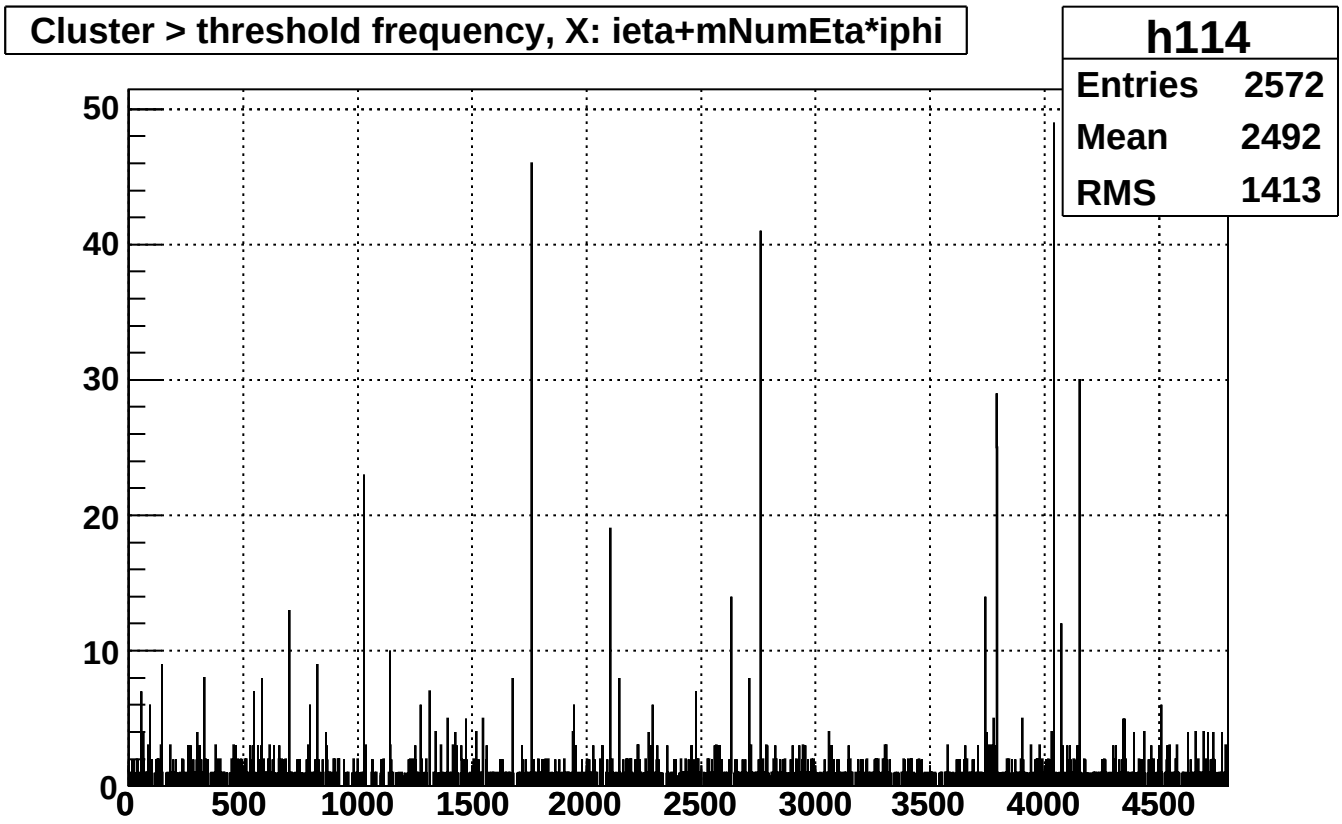

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 10340
Mean 2
RMS 1.123
2500
2000
1500
1000
500
0
0 1 2 3 4 5 6 7 8 9 10

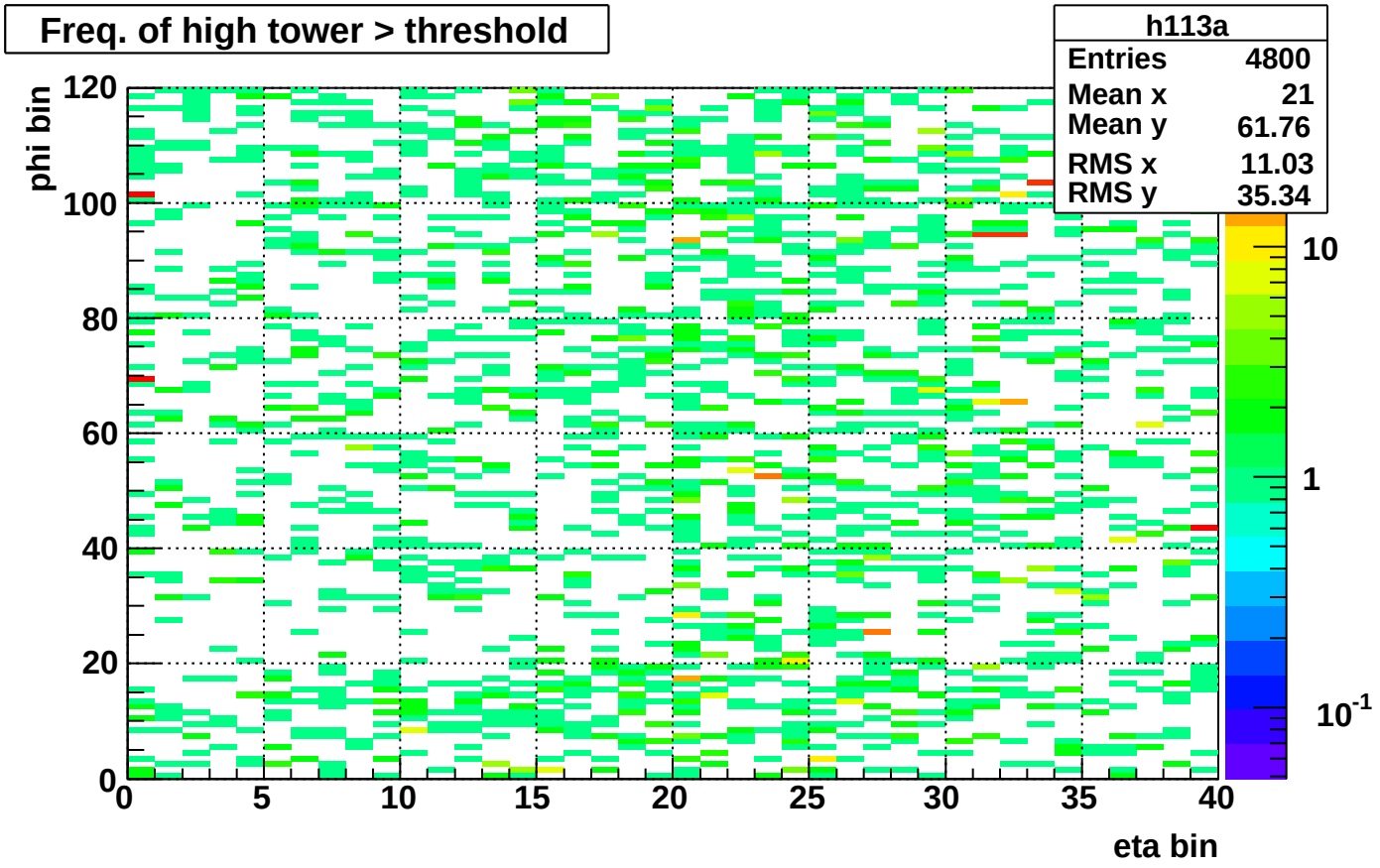

N high towers > threshold
h101
Entries 2611
Mean 1.485
RMS 0.1571
2500
2000
1500
1000
500
0
0 1 2 3 4 5 6 7 8 9 10

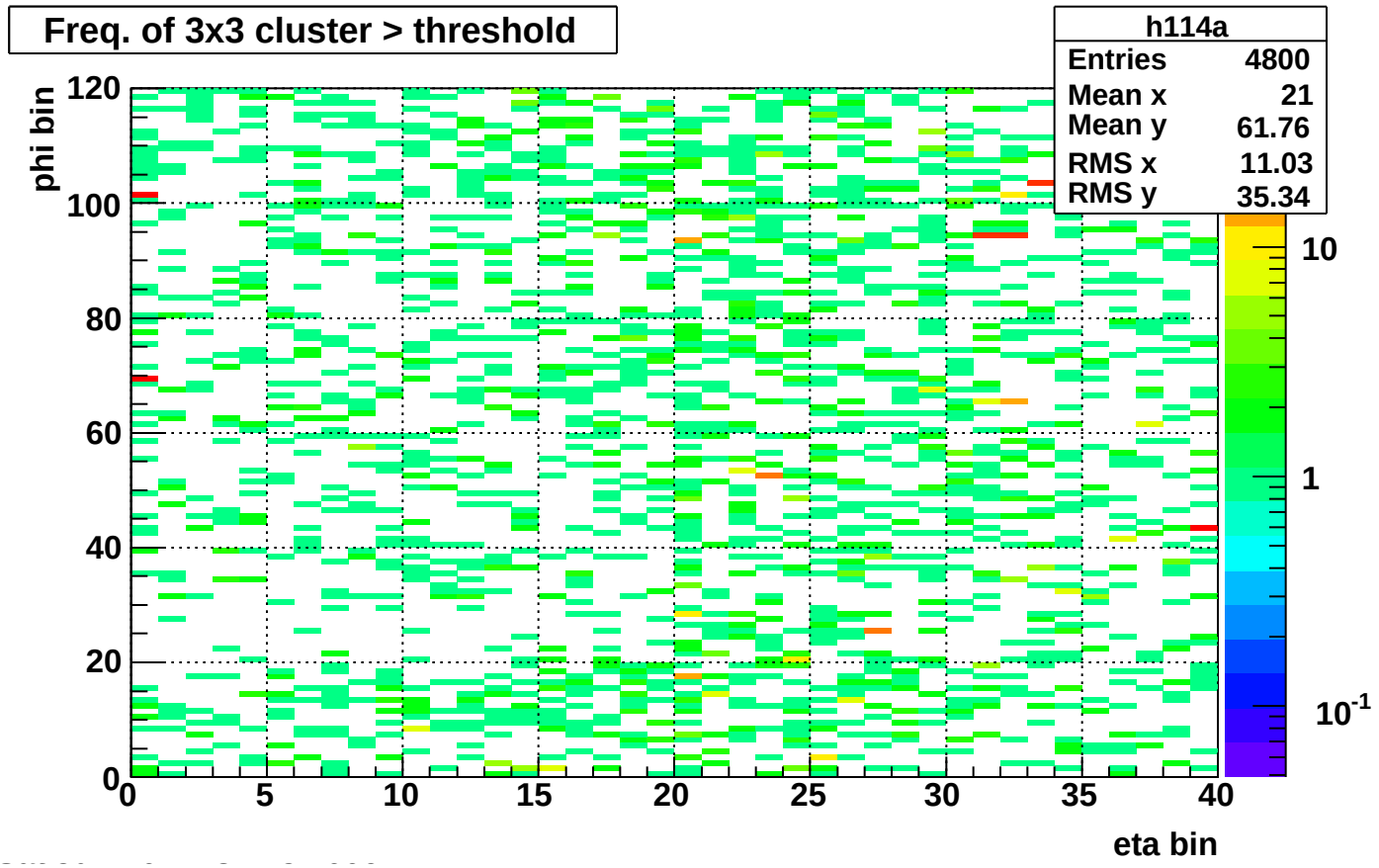

N clusters > threshold (w/ ht > threshold)
h102
Entries 2611
Mean 1.485
RMS 0.1571
2500
2000
1500
1000
500
0
0 1 2 3 4 5 6 7 8 9 10

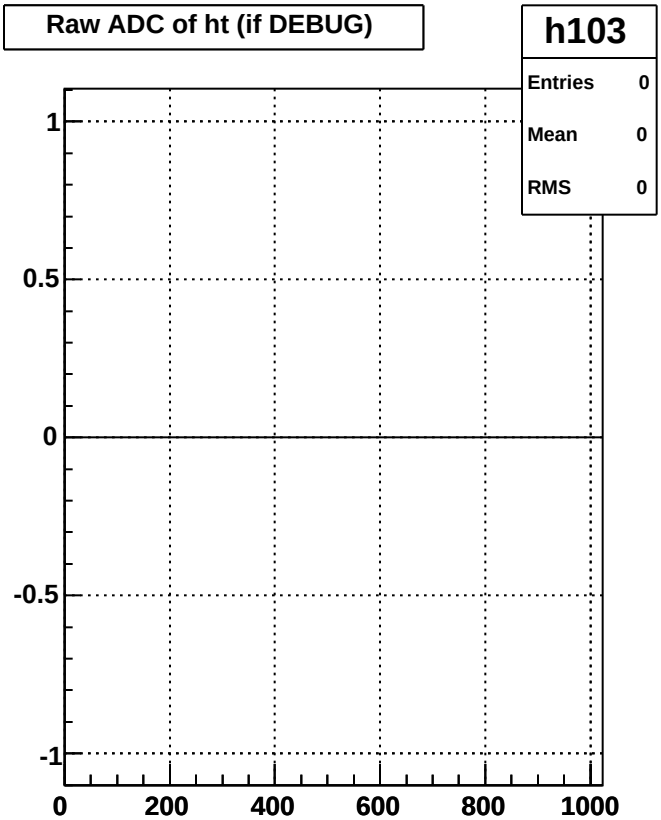

kTicks / input event
h115
Entries 2611
Mean 80.79
RMS 2.273
500
400
300
200
100
0
0 20 40 60 80 100 120
Input Events
tower > thresh
clust > thresh

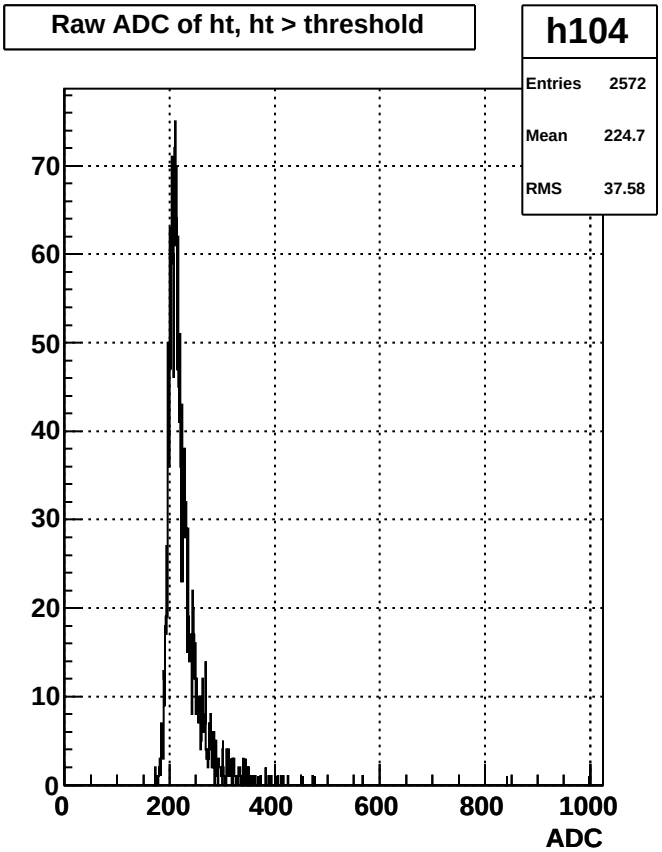

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 2572
Mean 2492
RMS 1413
0
10
20
30
40
50
0
500
1000
1500
2000
2500
3000
3500
4000
4500

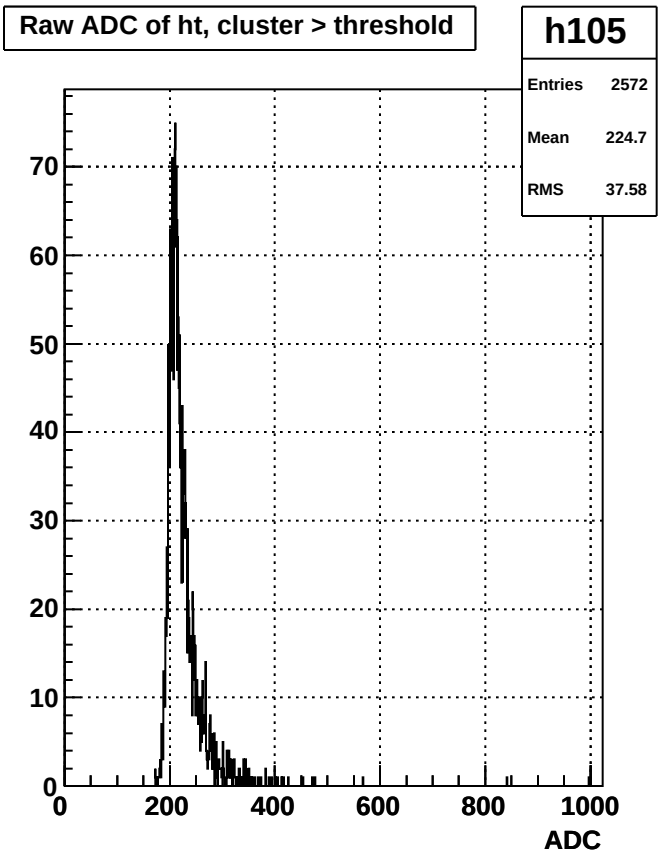

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 2572
Mean 2492
RMS 1413
0
10
20
30
40
50
0
500
1000
1500
2000
2500
3000
3500
4000
4500

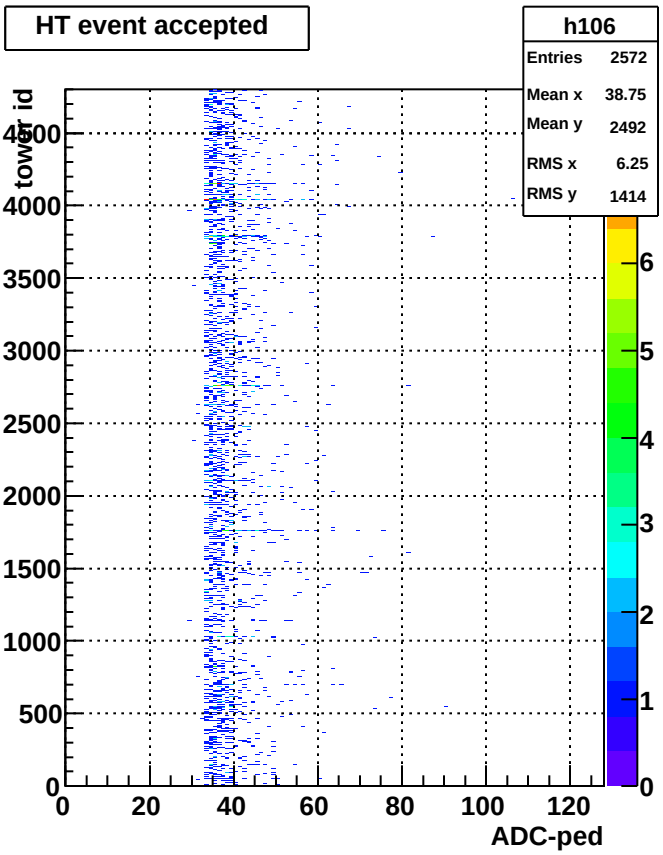

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 21
Mean y 61.76
RMS x 11.03
RMS y 35.34
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

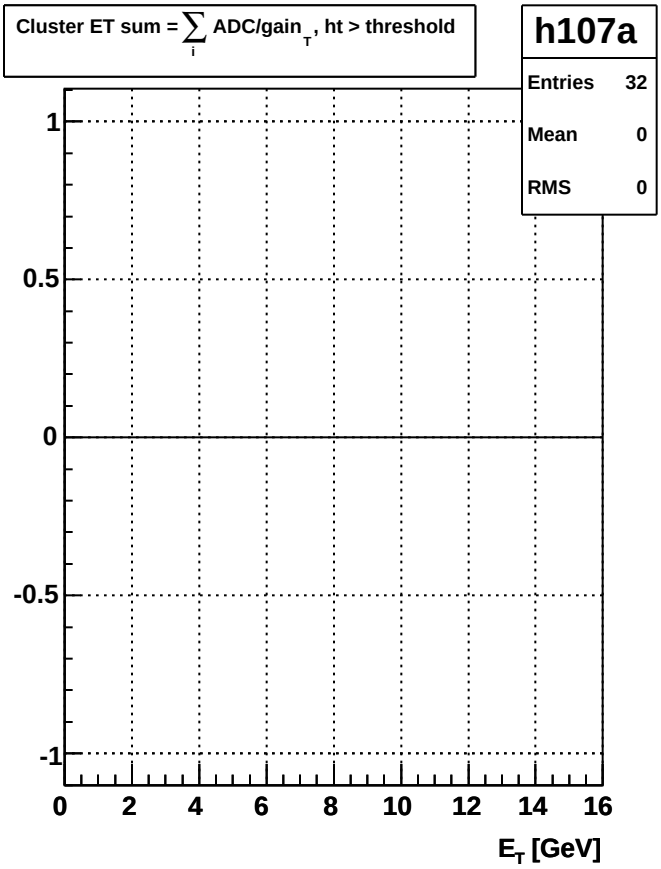

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 21
Mean y 61.76
RMS x 11.03
RMS y 35.34
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
10
1
10^{-1}

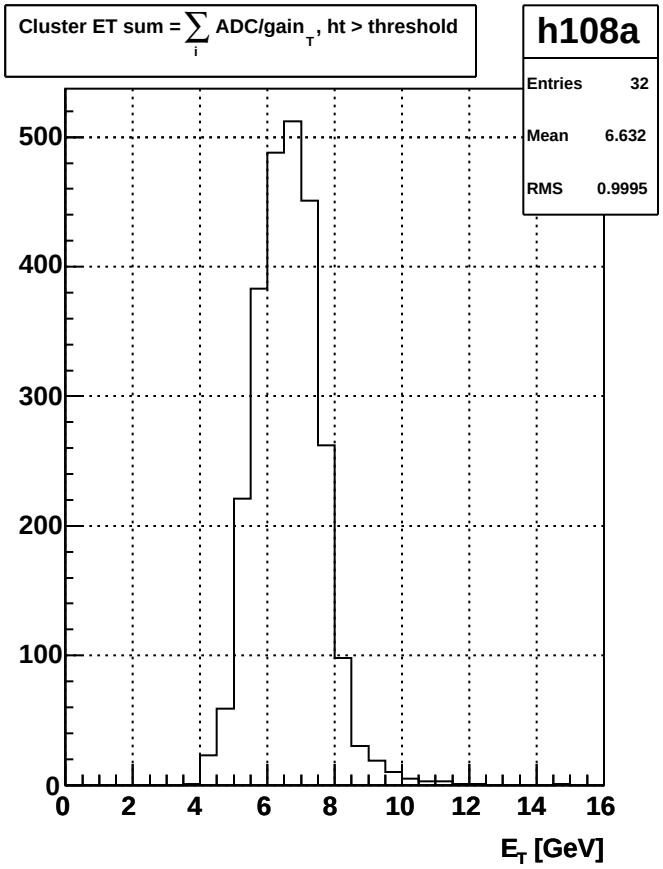

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

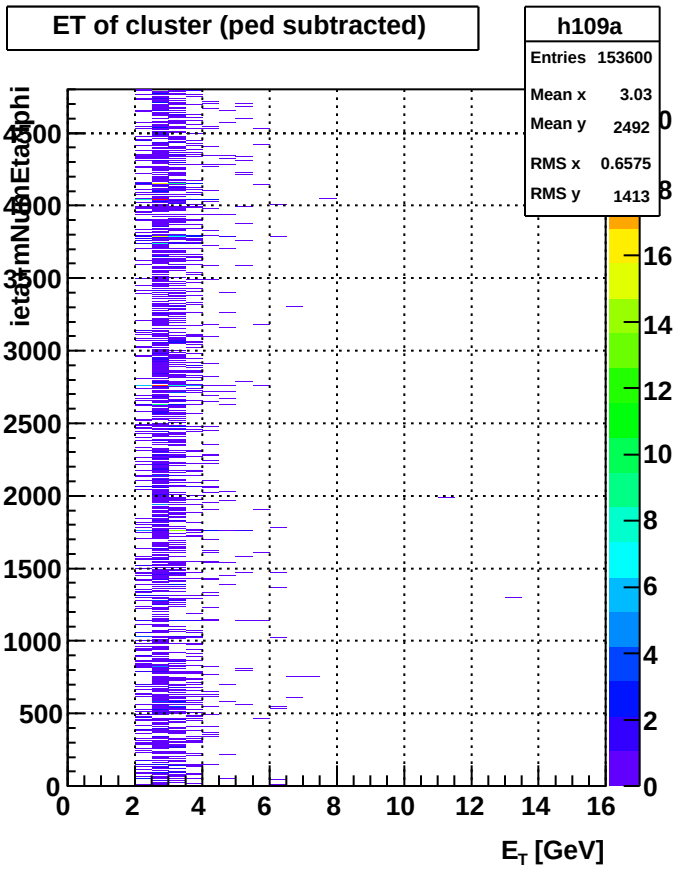

Raw ADC of ht, ht > threshold
h104
Entries 2572
Mean 224.7
RMS 37.58
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC

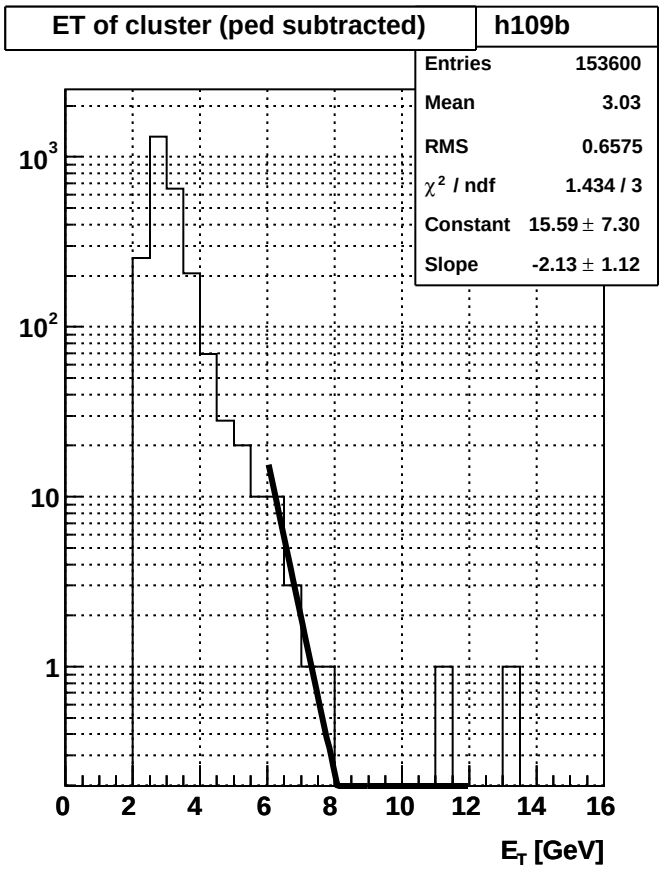

Raw ADC of ht, cluster > threshold
h105
Entries 2572
Mean 224.7
RMS 37.58
70
60
50
40
30
20
10
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 2572
Mean x 38.75
Mean y 2492
RMS x 6.25
RMS y 1414
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
6
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 6.632
RMS 0.9995
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 3.03
Mean y 2492
RMS x 0.6575
RMS y 1413
ietamNumEtaBiphi
E_T [GeV]


ET of cluster (ped subtracted)
h109b
Entries 153600
Mean 3.03
RMS 0.6575
χ^2 / ndf 1.434 / 3
Constant 15.59 ± 7.30
Slope -2.13 ± 1.12
E_T [GeV]