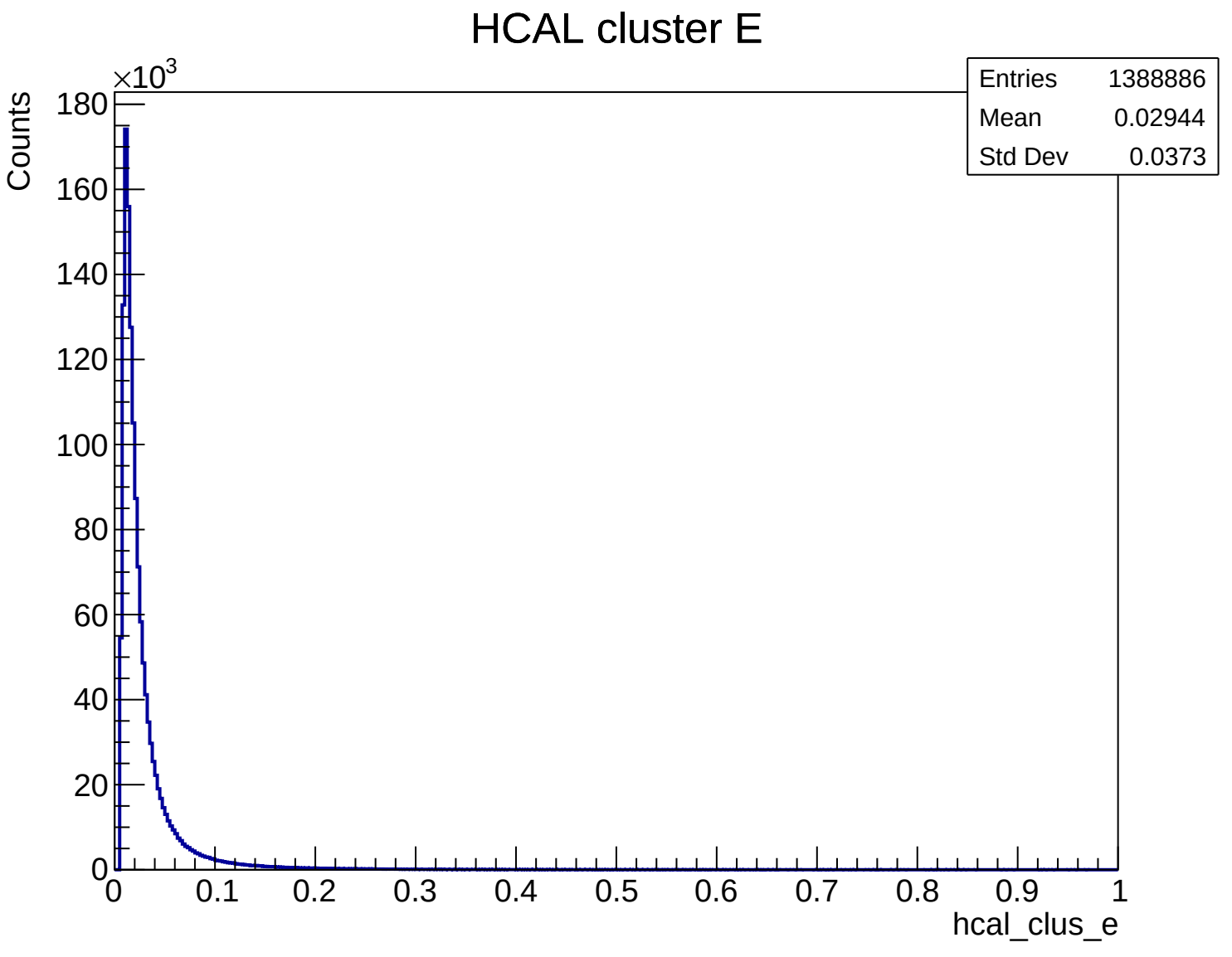
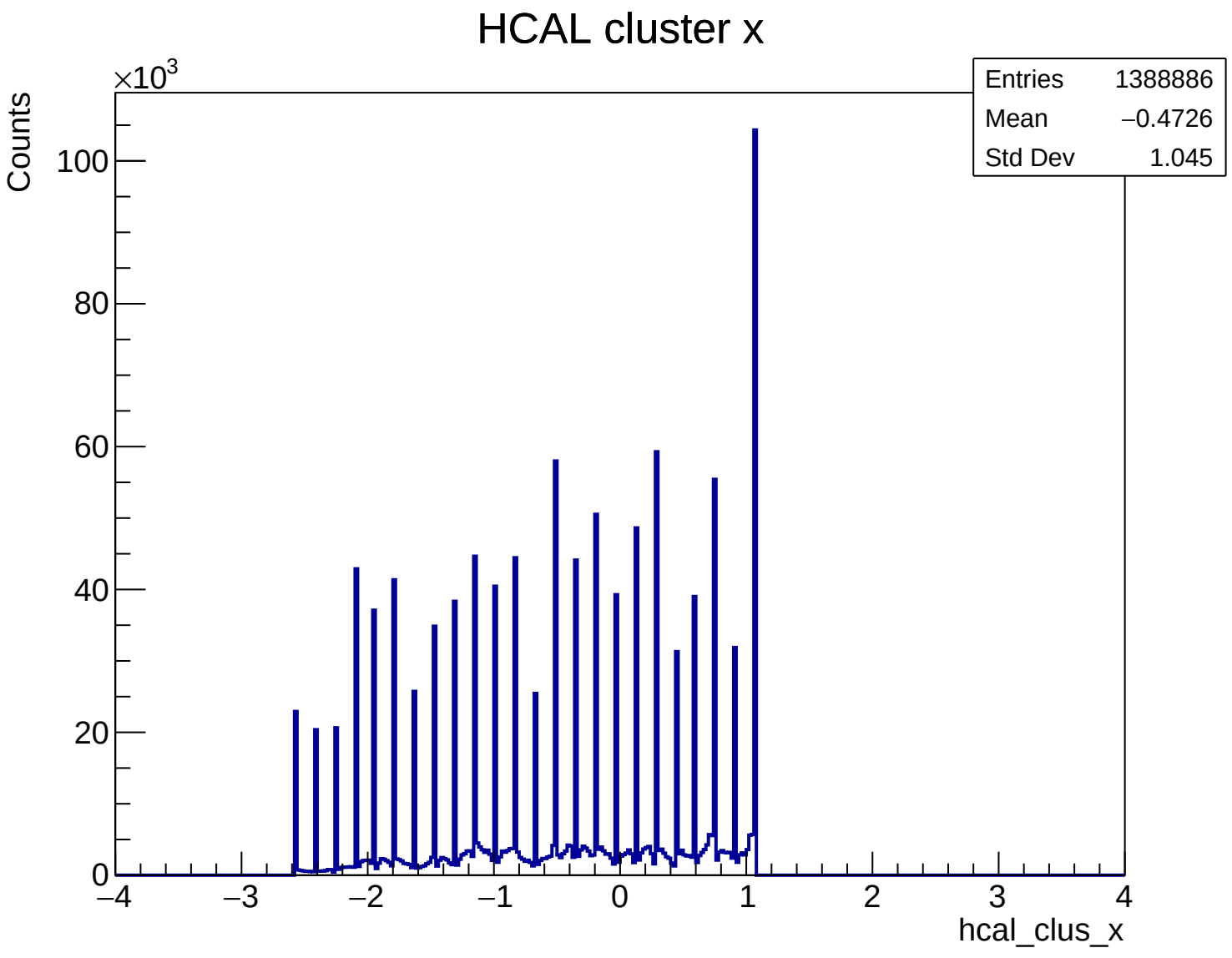
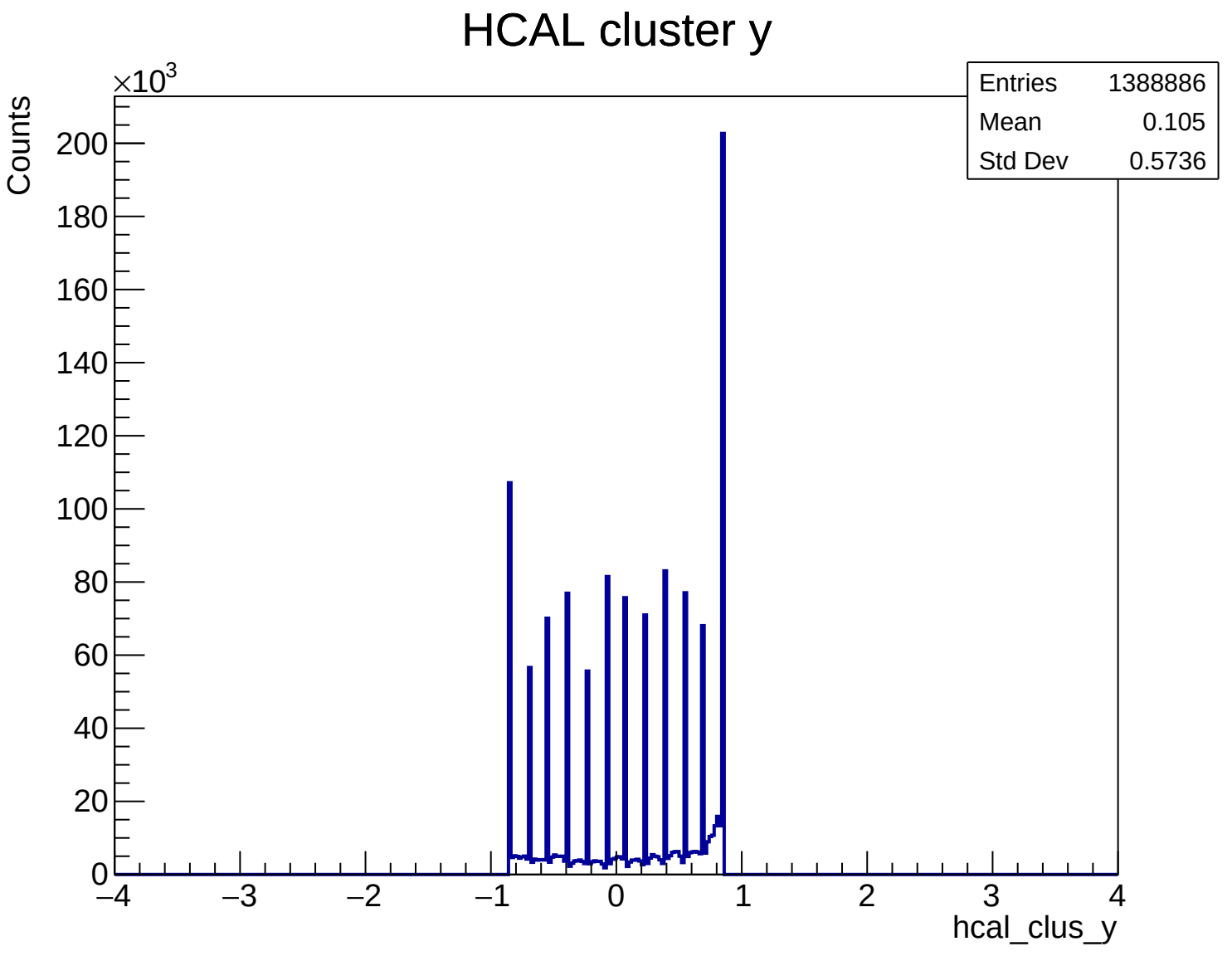
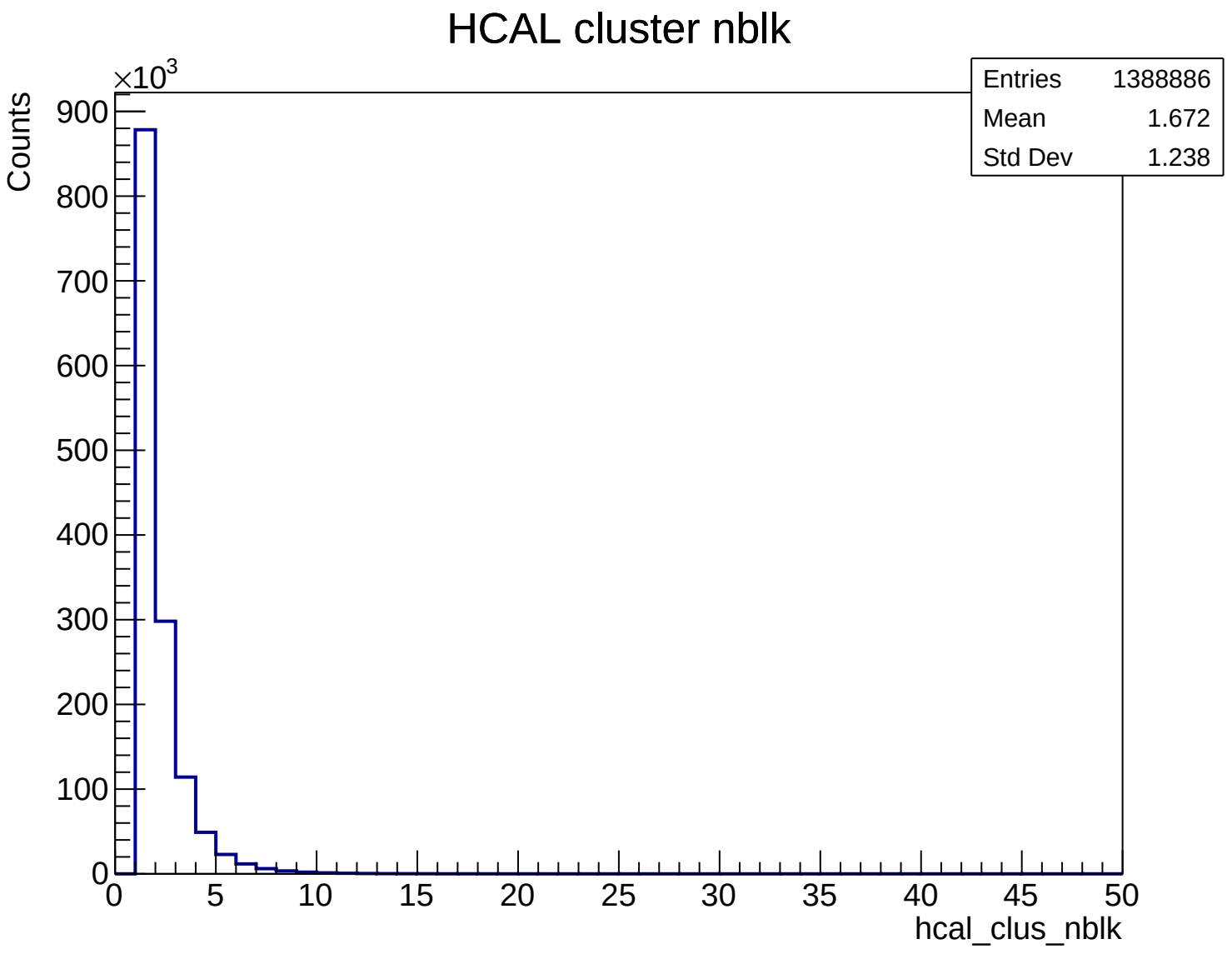
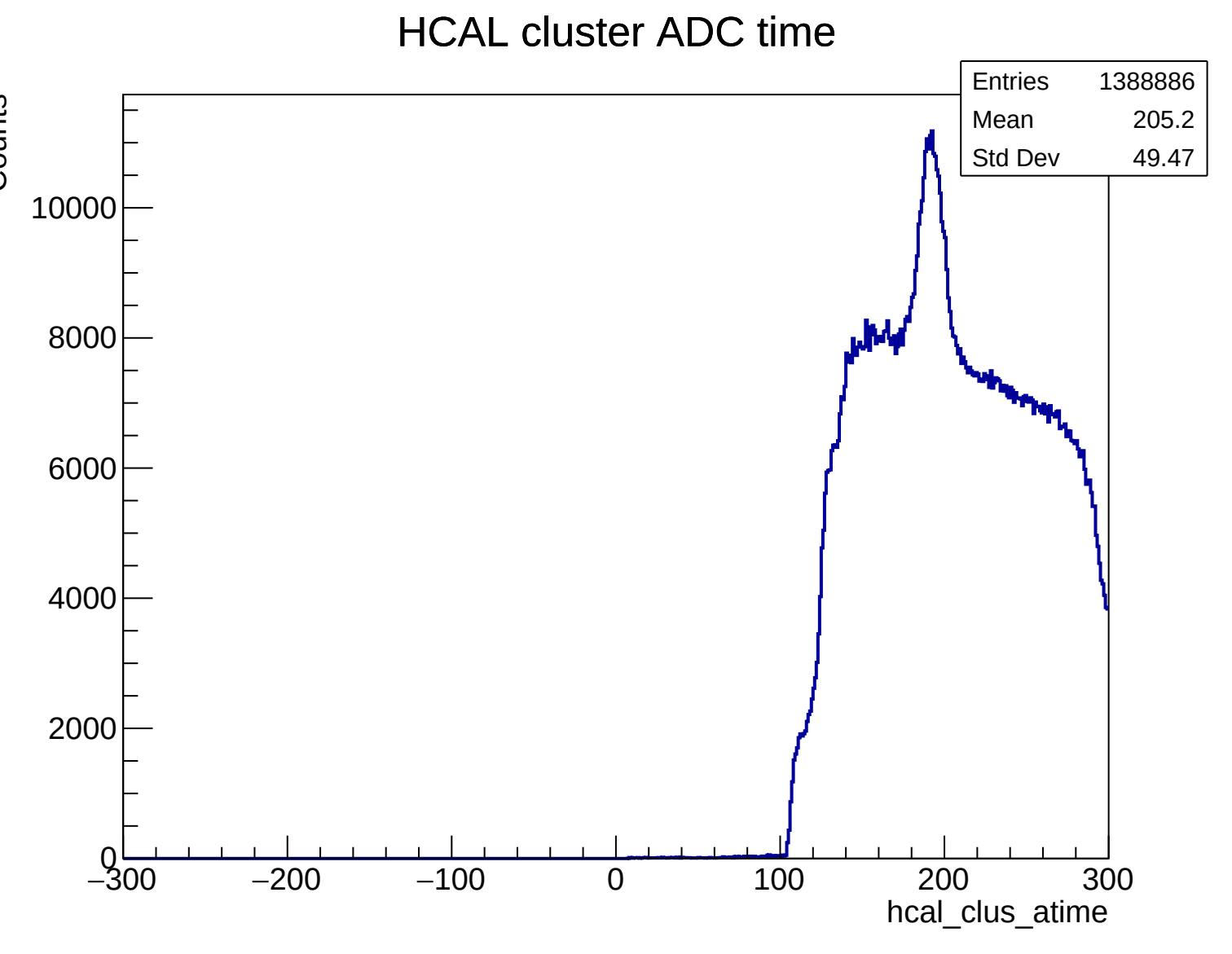
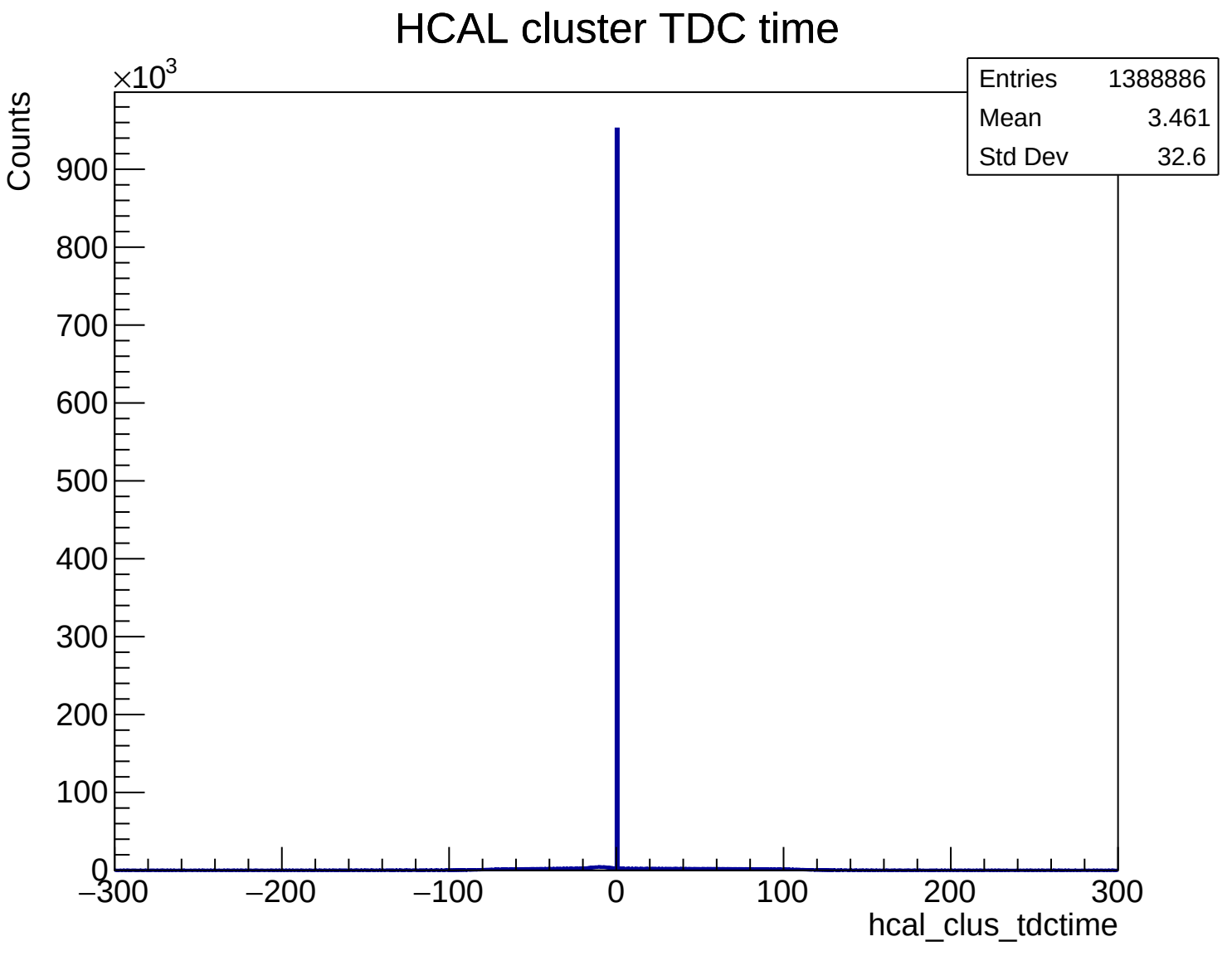

HCAL cluster E
Entries 1388886
Mean 0.02944
Std Dev 0.0373
Counts
×10^3
180
160
140
120
100
80
60
40
20
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hcal_clus_e

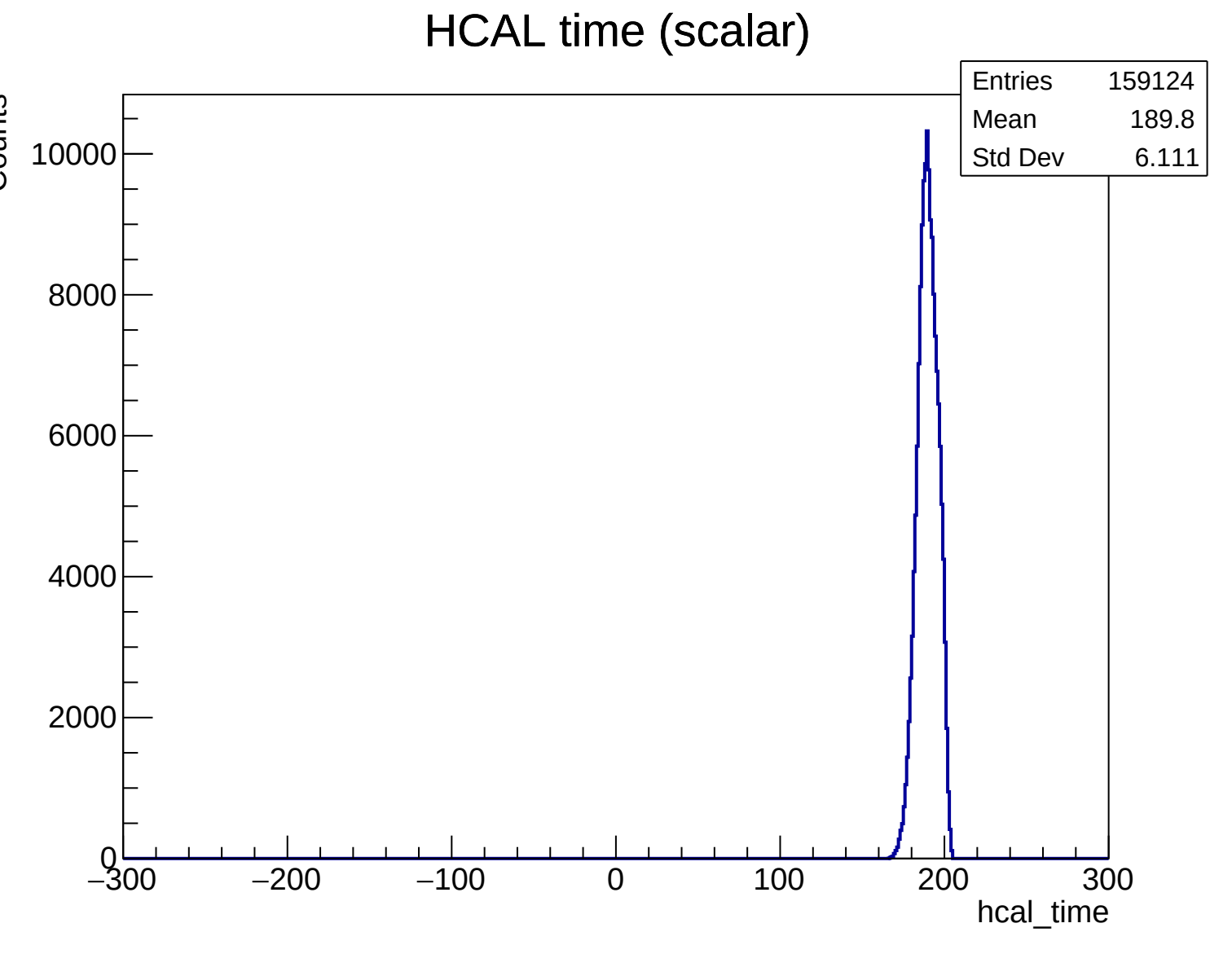

HCAL cluster x
Entries 1388886
Mean −0.4726
Std Dev 1.045
Counts
×10^3
100
80
60
40
20
0
−4
−3
−2
−1
0
1
2
3
4
hcal_clus_x

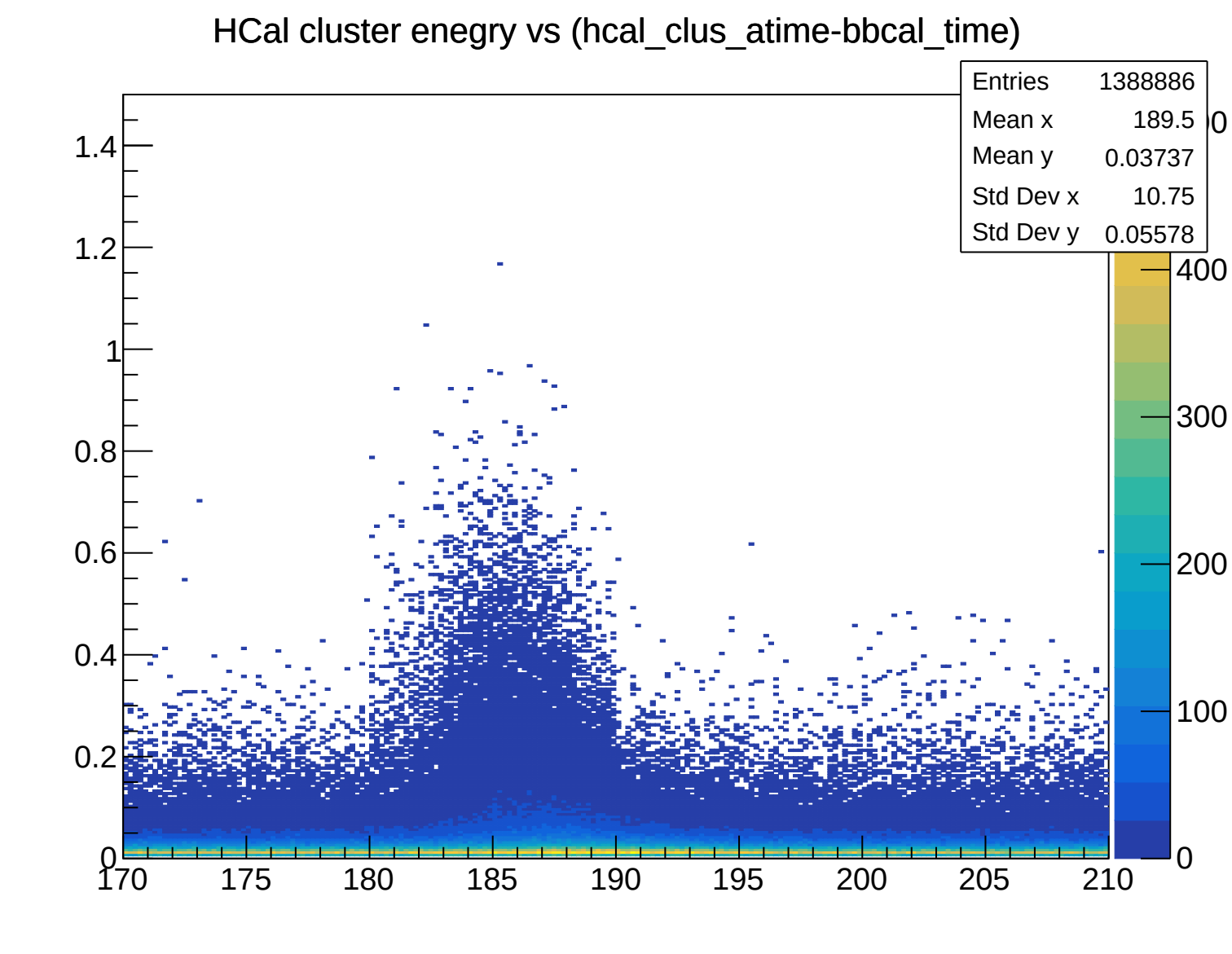

HCAL cluster y
Entries 1388886
Mean 0.105
Std Dev 0.5736
Counts
×10^3
200
180
160
140
120
100
80
60
40
20
0
−4
−3
−2
−1
0
1
2
3
4
hcal_clus_y

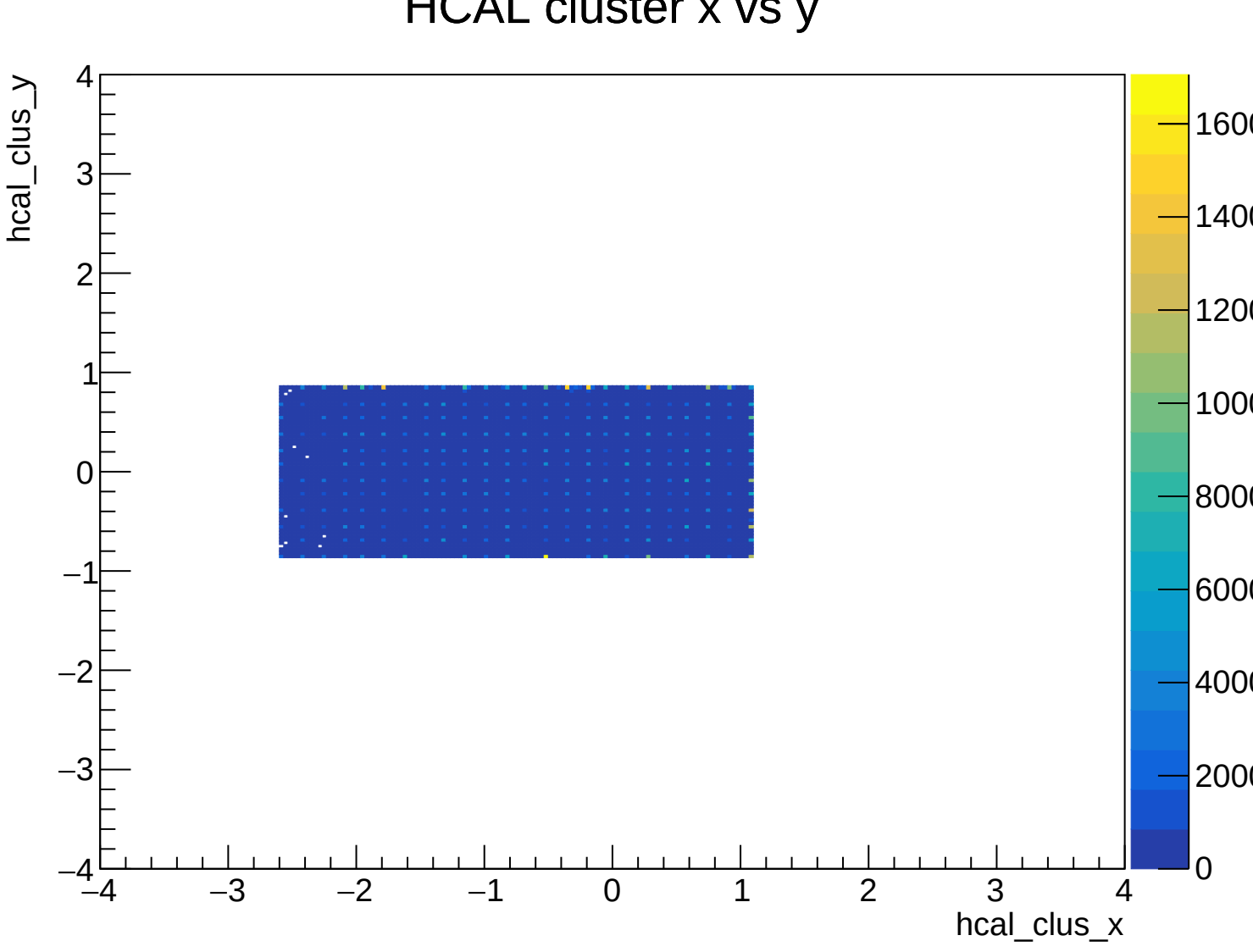

HCAL cluster nblk
Entries 1388886
Mean 1.672
Std Dev 1.238
Counts
×10^3
900
800
700
600
500
400
300
200
100
0
0
5
10
15
20
25
30
35
40
45
50
hcal_clus_nblk


HCAL cluster ADC time
Entries 1388886
Mean 205.2
Std Dev 49.47
Counts
10000
8000
6000
4000
2000
0
−300
−200
−100
0
100
200
300
hcal_clus_atime


HCAL cluster TDC time
Entries 1388886
Mean 3.461
Std Dev 32.6
×10^3
Counts
900
800
700
600
500
400
300
200
100
0
−300
−200
−100
0
100
200
300
hcal_clus_tdctime


HCAL time (scalar)
Entries 159124
Mean 189.8
Std Dev 6.111
Counts
10000
8000
6000
4000
2000
0
−300
−200
−100
0
100
200
300
hcal_time


HCal cluster enegry vs (hcal_clus_atime-bbcal_time)
Entries 1388886
Mean x 189.5
Mean y 0.03737
Std Dev x 10.75
Std Dev y 0.05578
1.4
1.2
1
0.8
0.6
0.4
0.2
0
170
175
180
185
190
195
200
205
210
400
300
200
100
0


HCAL cluster x vs y
hcal_clus_y
hcal_clus_x
4
3
2
1
0
−1
−2
−3
−4
−4
−3
−2
−1
0
1
2
3
4
1600
1400
1200
1000
800
600
400
200
0