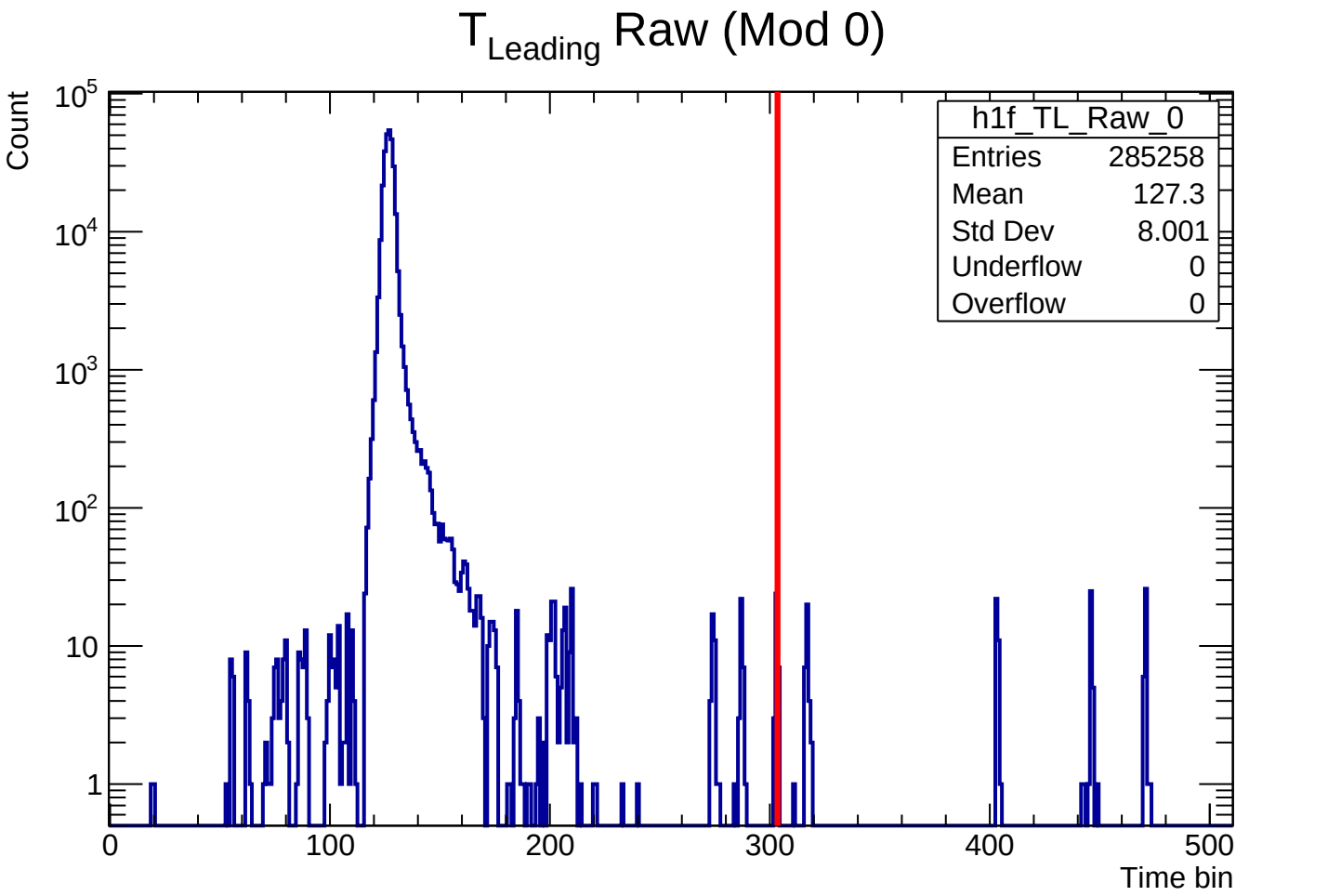
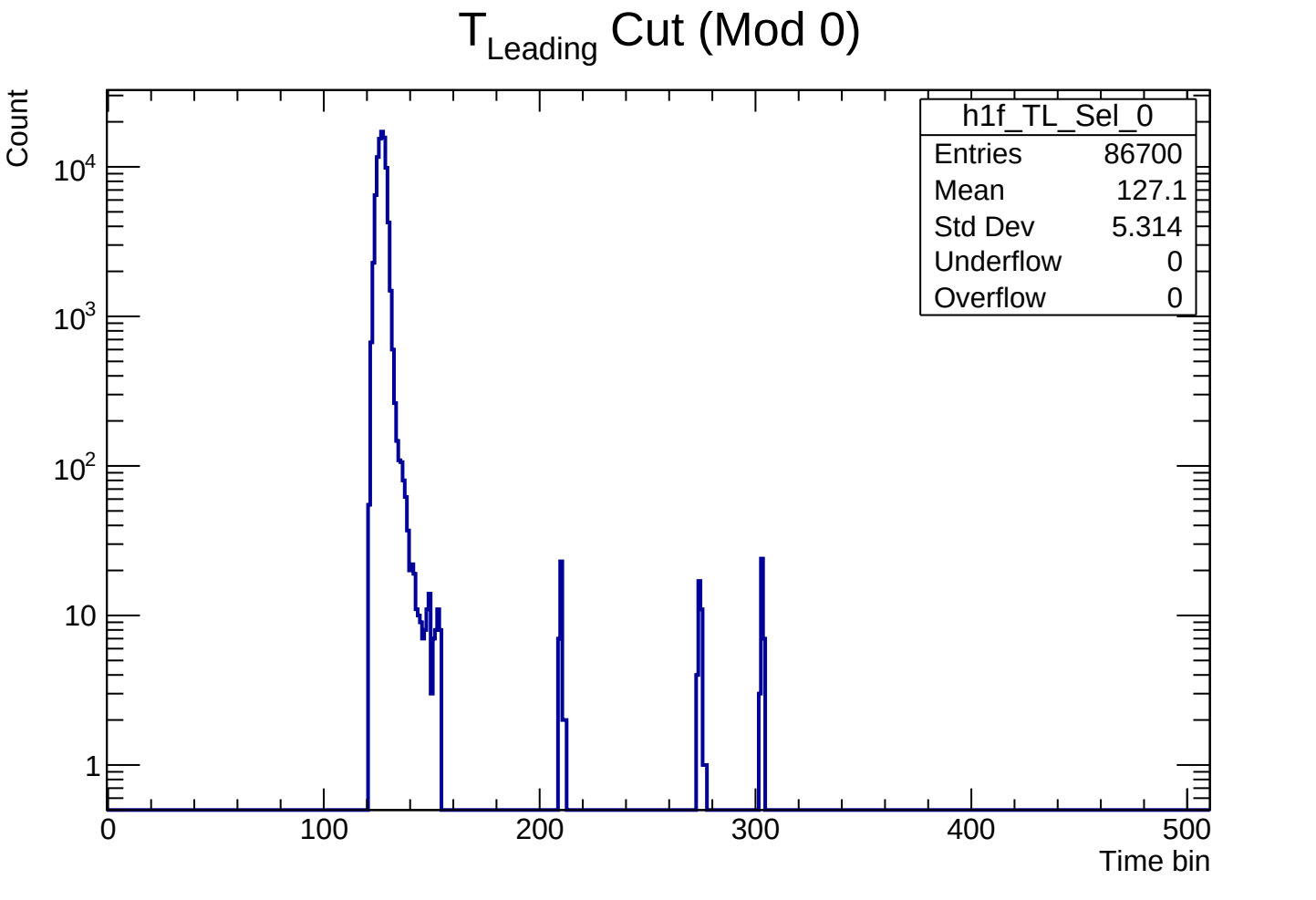
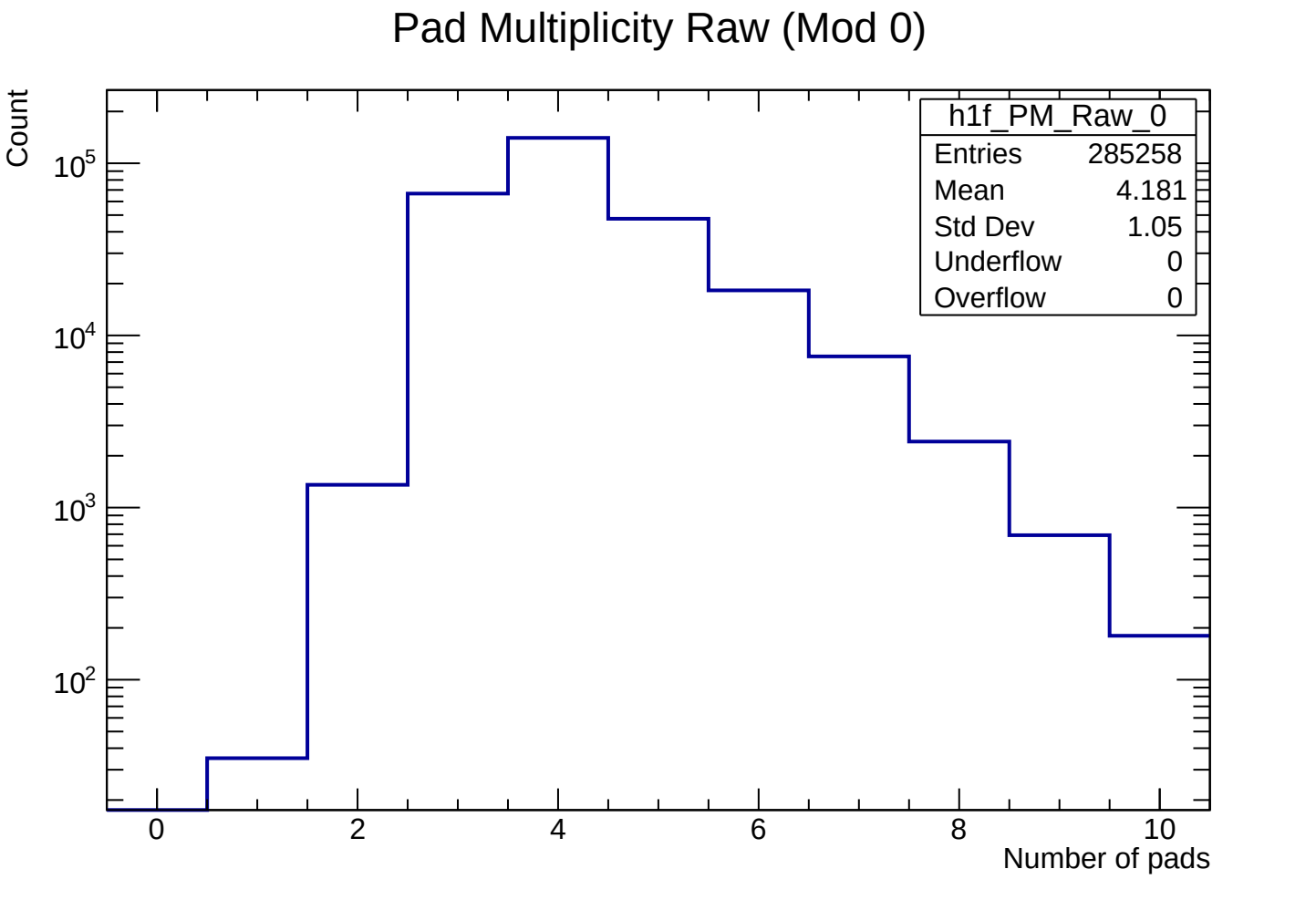
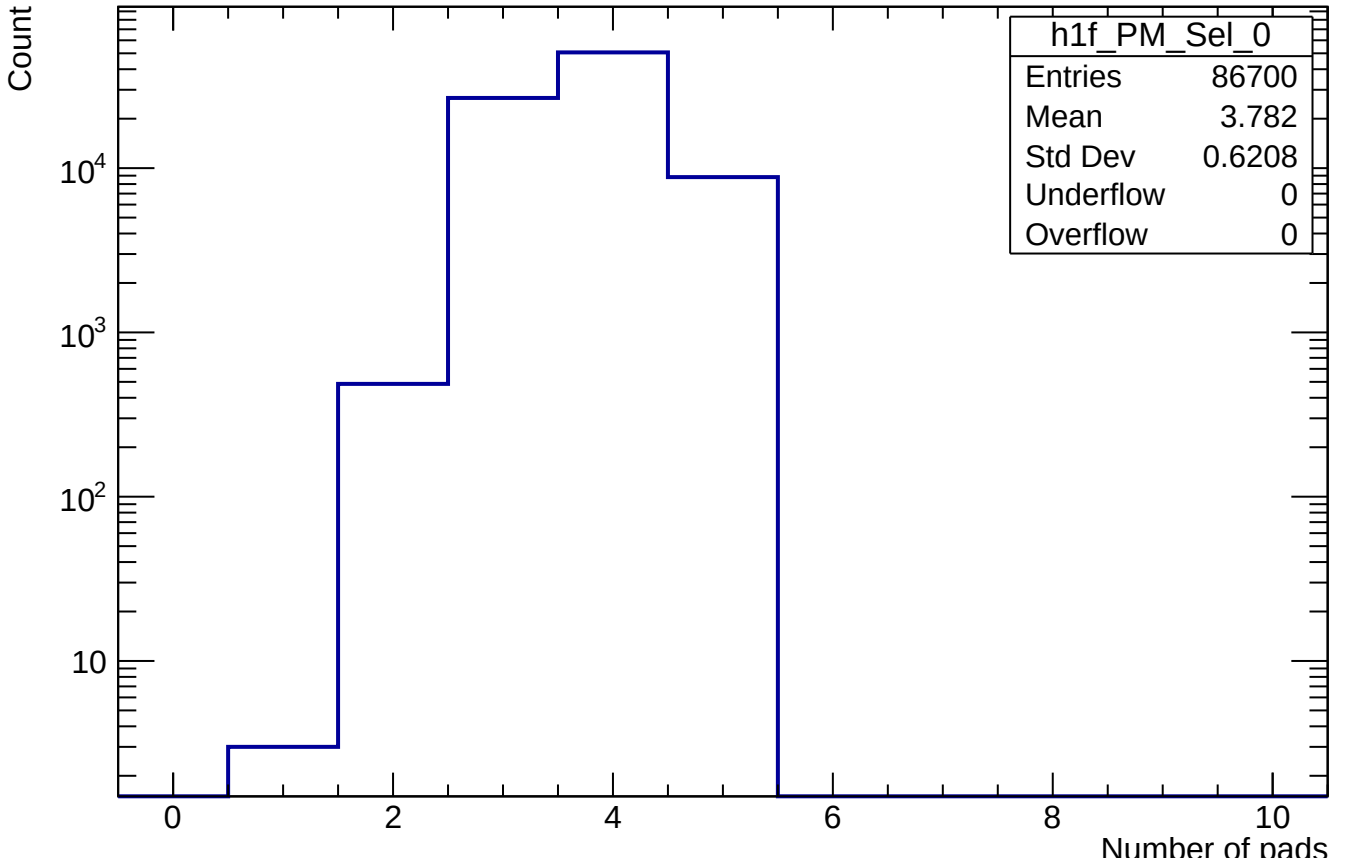
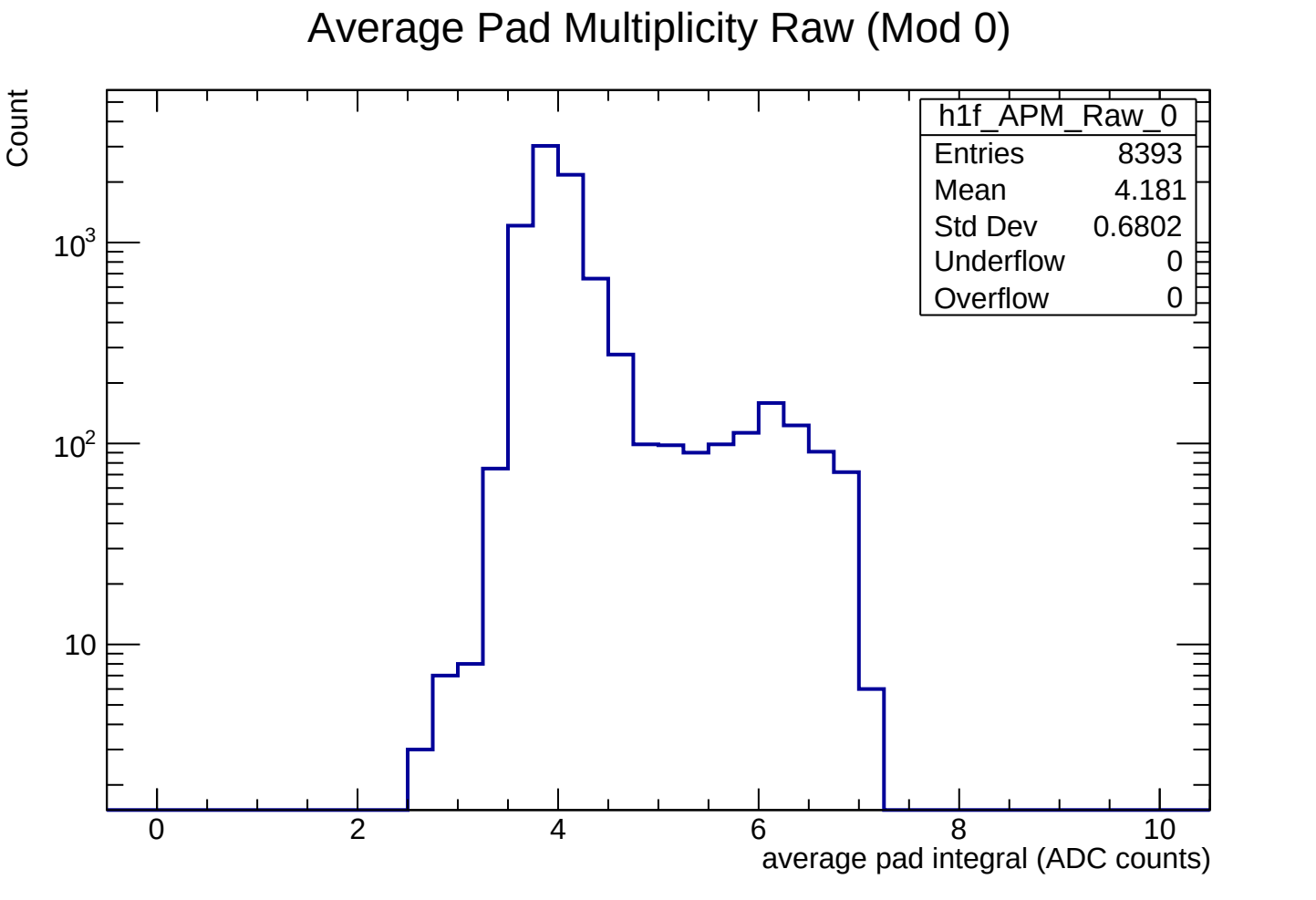
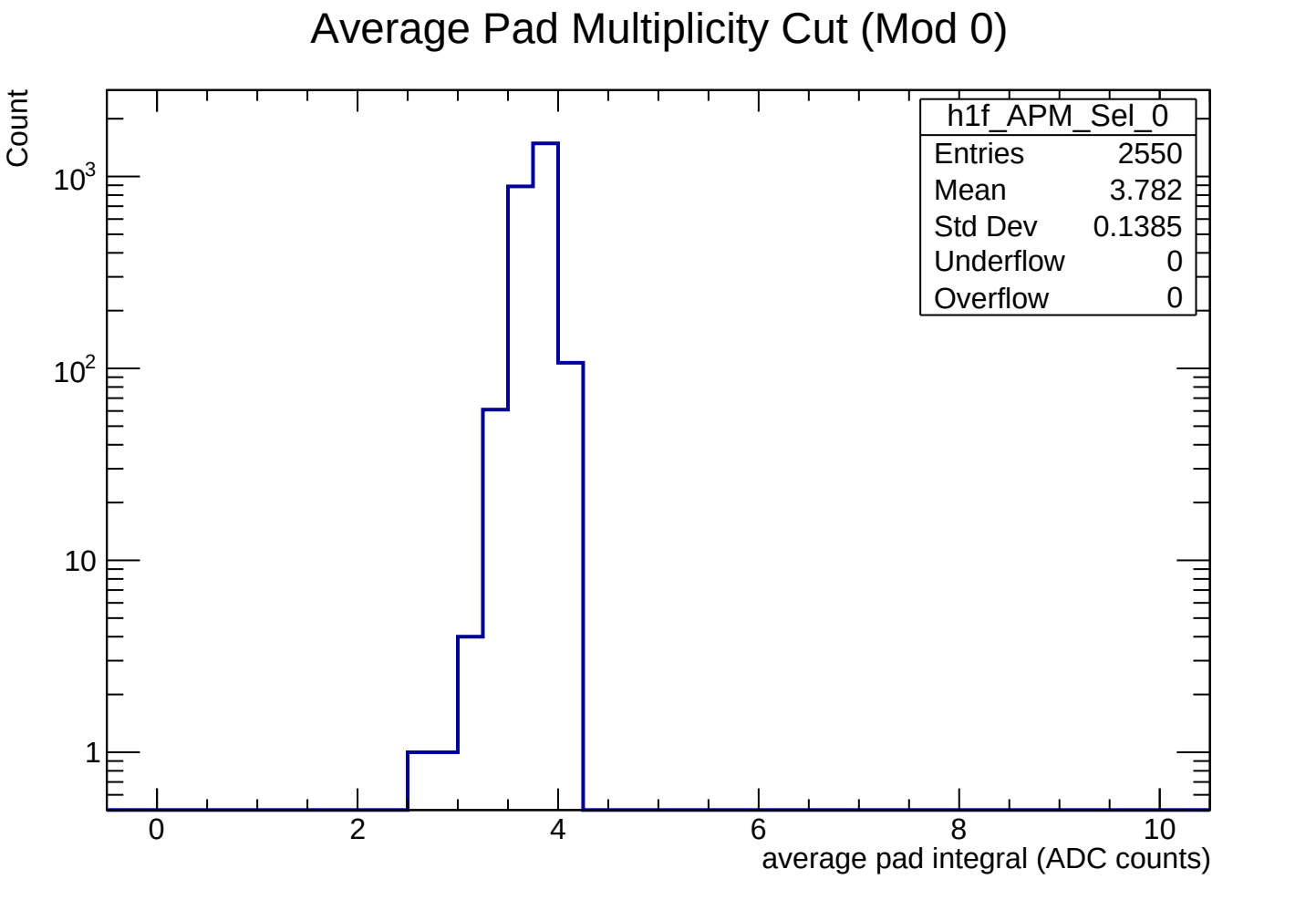

T Leading Raw (Mod 0)
Count
Time bin
h1f_TL_Raw_0
Entries 285258
Mean 127.3
Std Dev 8.001
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
100
200
300
400
500

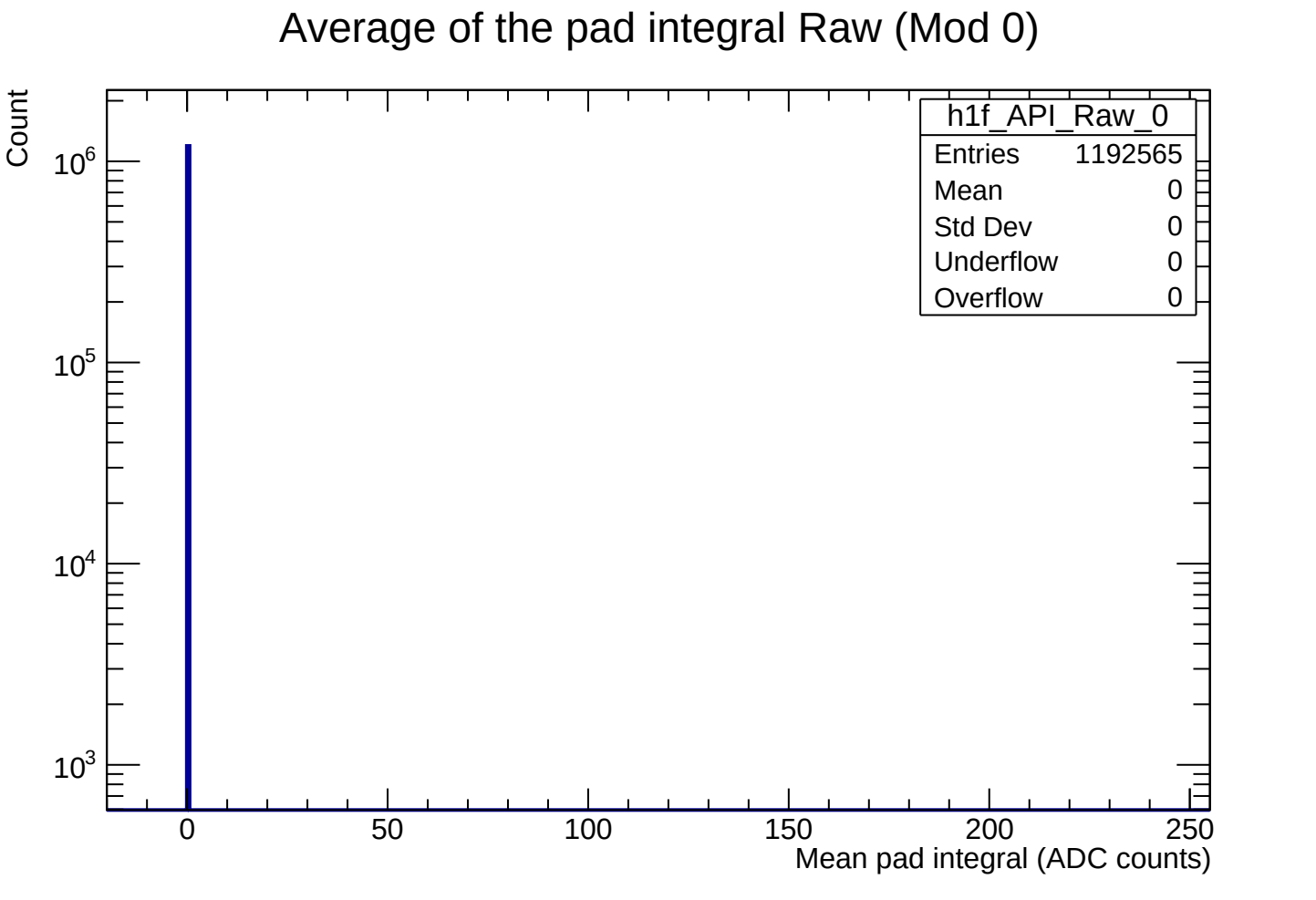

T Leading Cut (Mod 0)
Count
h1f_TL_Sel_0
Entries 86700
Mean 127.1
Std Dev 5.314
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
100
200
300
400
500
Time bin

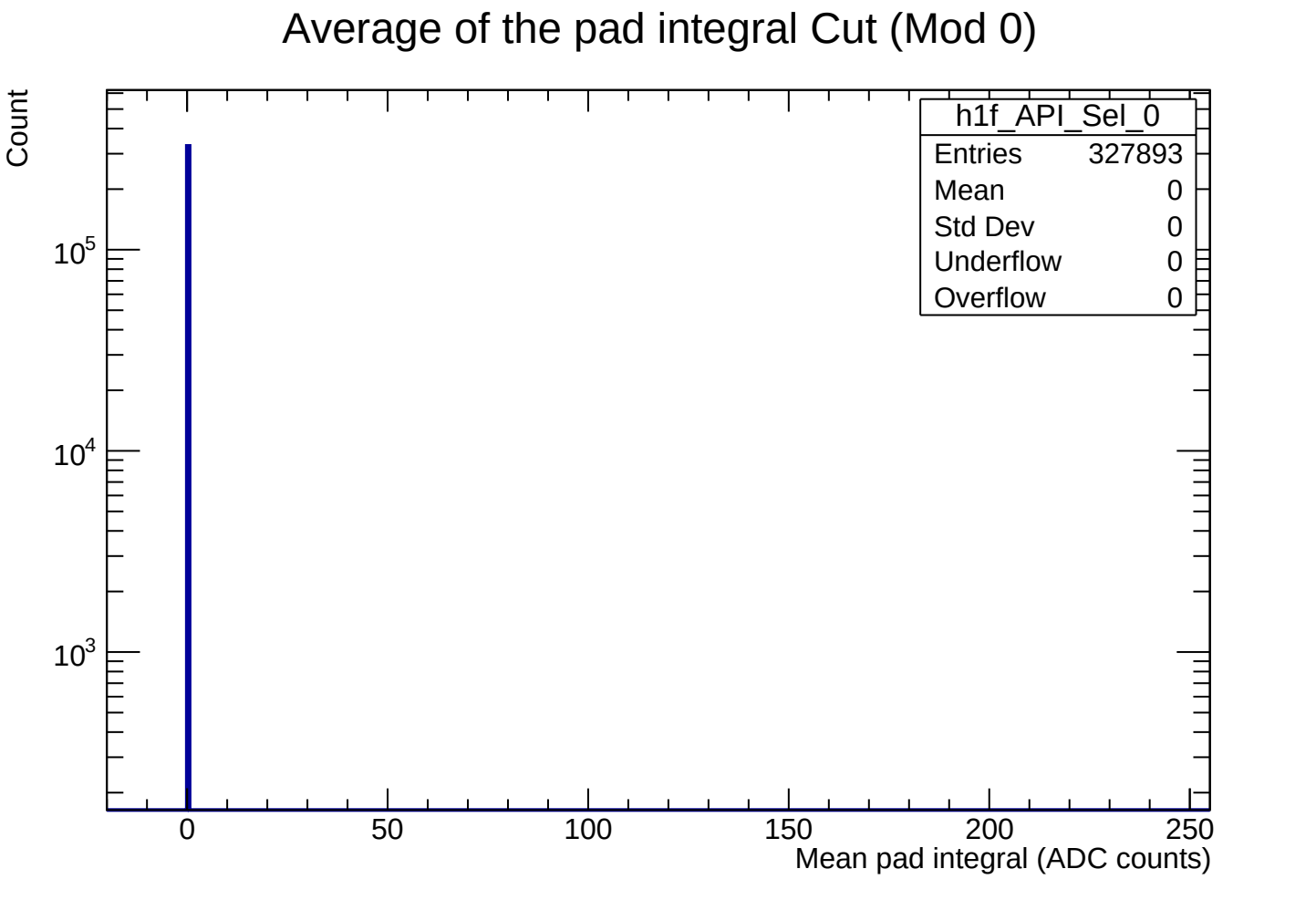

Pad Multiplicity Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
0
2
4
6
8
10
Number of pads
h1f_PM_Raw_0
Entries 285258
Mean 4.181
Std Dev 1.05
Underflow 0
Overflow 0

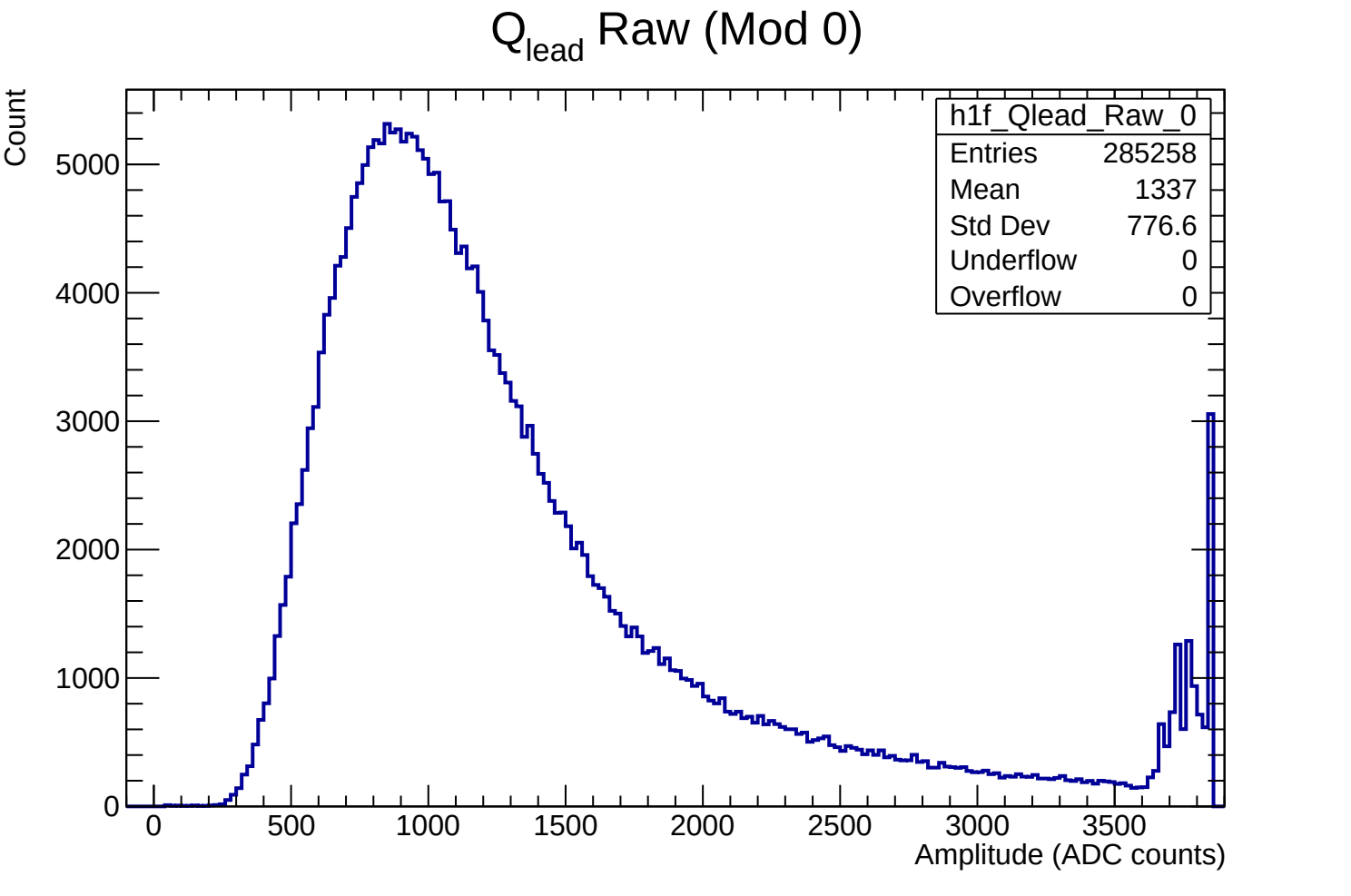

Pad Multiplicity Cut (Mod 0)
Count
h1f_PM_Sel_0
Entries 86700
Mean 3.782
Std Dev 0.6208
Underflow 0
Overflow 0
10^4
10^3
10^2
10
0
2
4
6
8
10
Number of pads

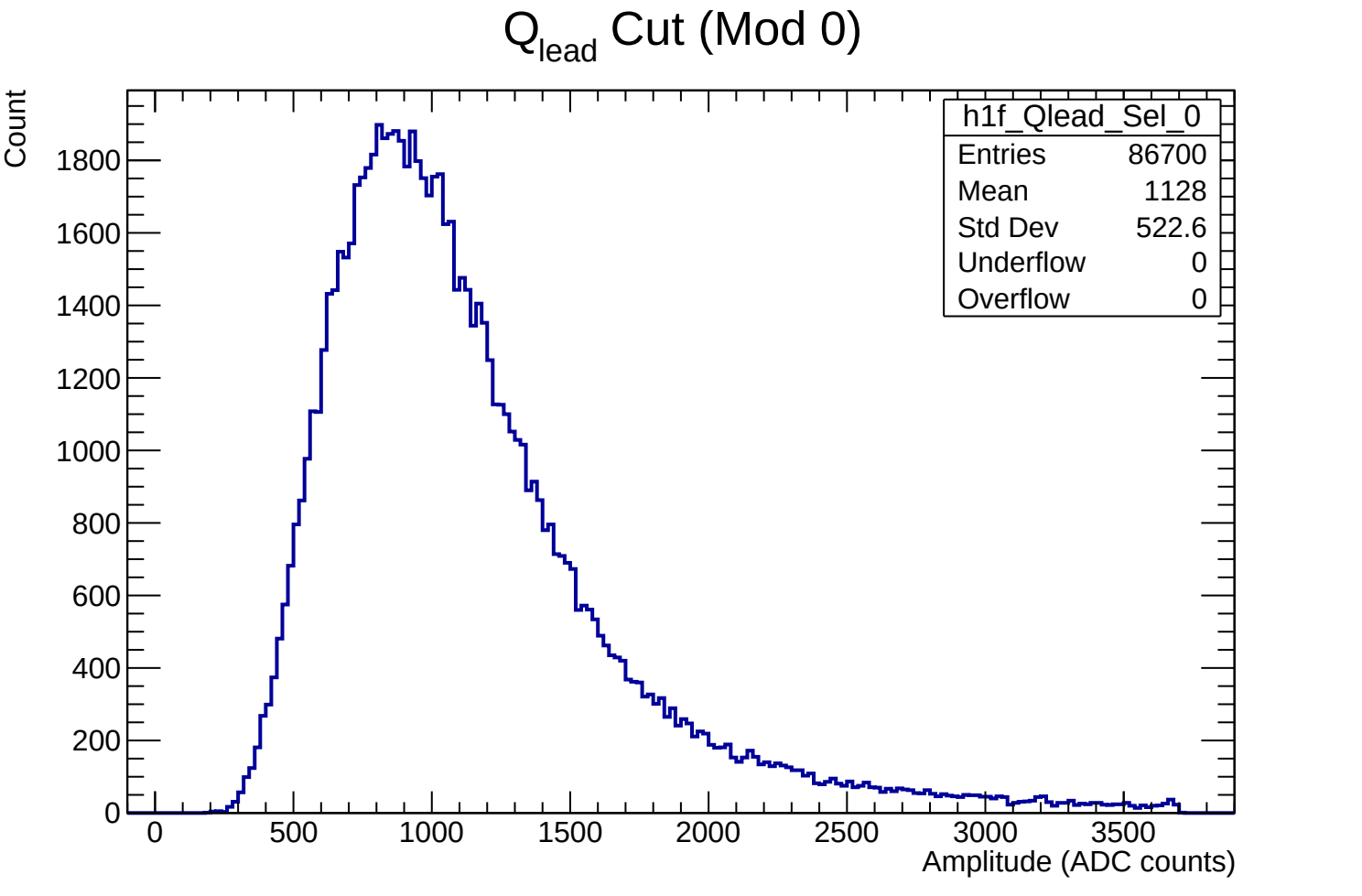

Average Pad Multiplicity Raw (Mod 0)
Count
10^3
10^2
10
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Raw_0
Entries 8393
Mean 4.181
Std Dev 0.6802
Underflow 0
Overflow 0

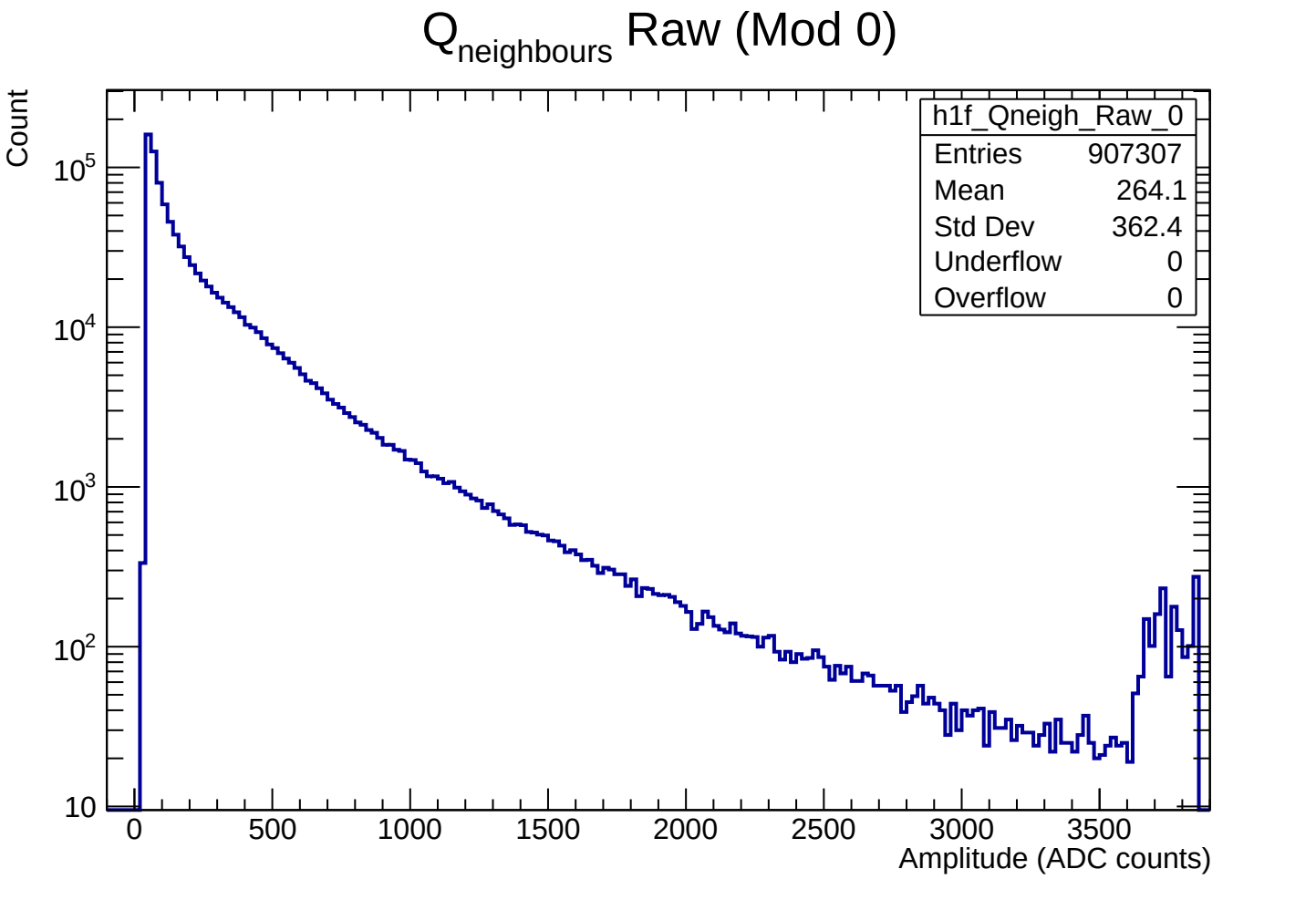

Average Pad Multiplicity Cut (Mod 0)
Count
10^3
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Sel_0
Entries 2550
Mean 3.782
Std Dev 0.1385
Underflow 0
Overflow 0

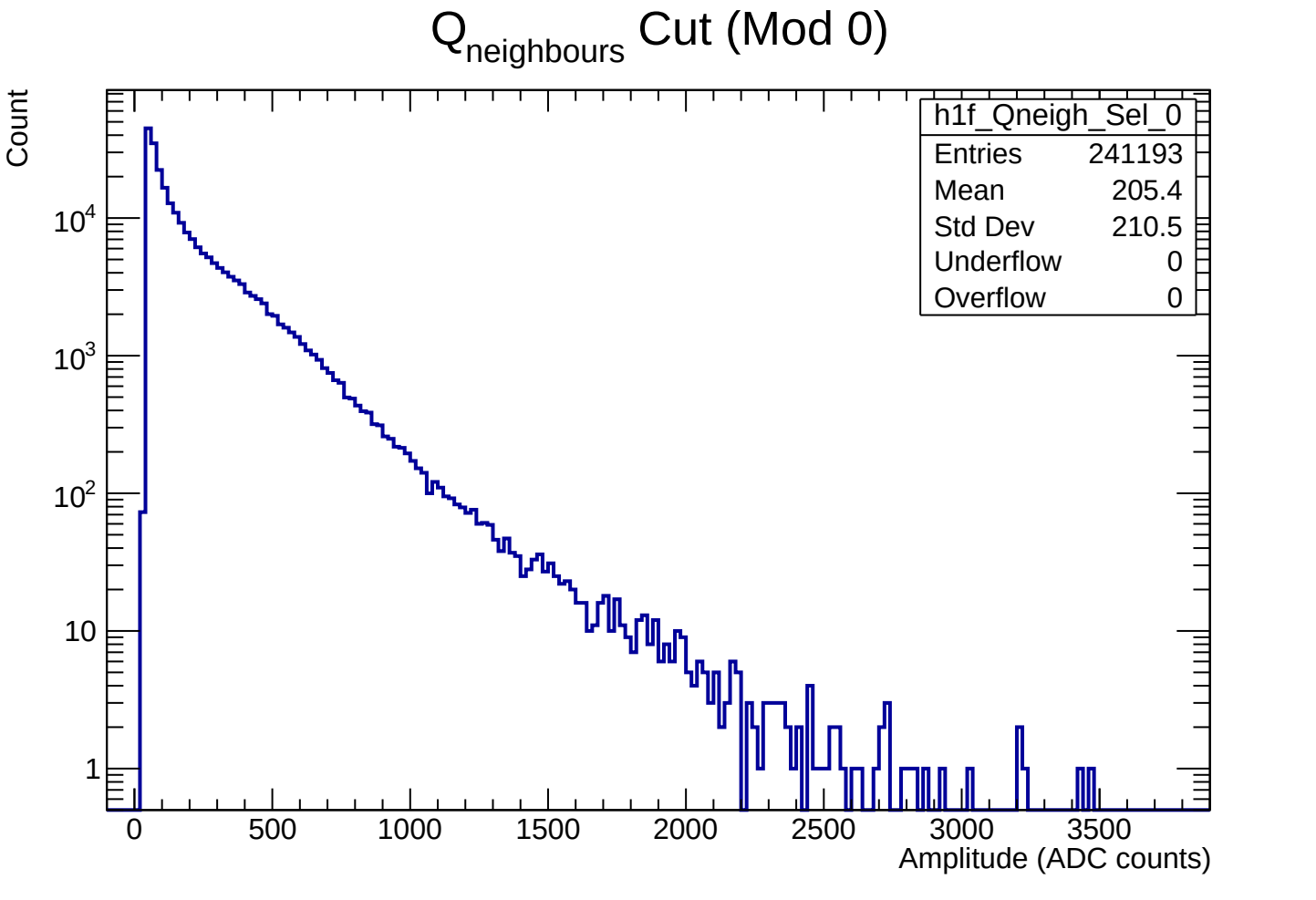

Average of the pad integral Raw (Mod 0)
Count
10^6
10^5
10^4
10^3
h1f_API_Raw_0
Entries 1192565
Mean 0
Std Dev 0
Underflow 0
Overflow 0
0
50
100
150
200
250
Mean pad integral (ADC counts)

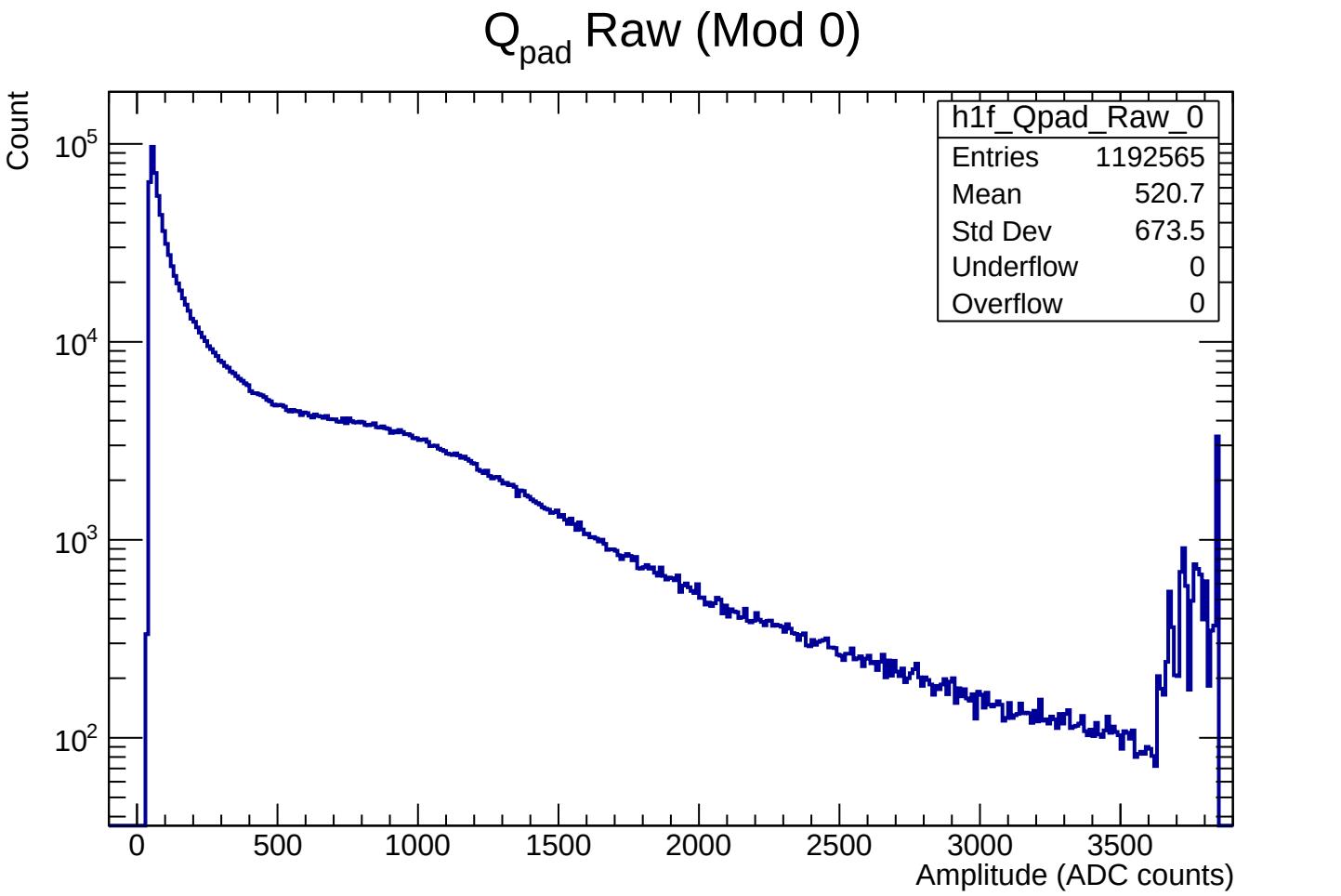

Average of the pad integral Cut (Mod 0)
Count
10^5
10^4
10^3
h1f_API_Sel_0
Entries 327893
Mean 0
Std Dev 0
Underflow 0
Overflow 0
0
50
100
150
200
250
Mean pad integral (ADC counts)

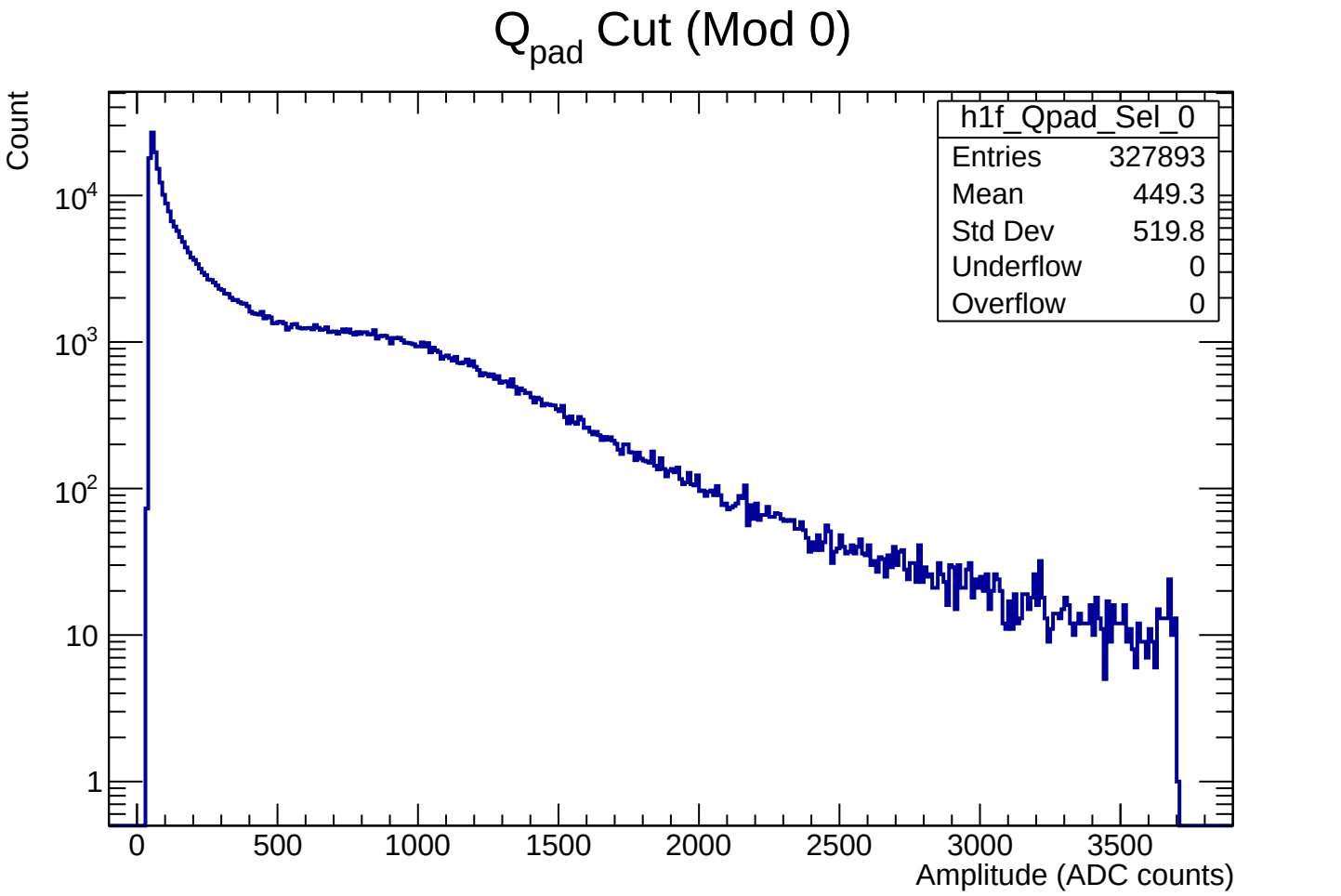

Q_{lead} Raw (Mod 0)
Count
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qlead_Raw_0
Entries 285258
Mean 1337
Std Dev 776.6
Underflow 0
Overflow 0

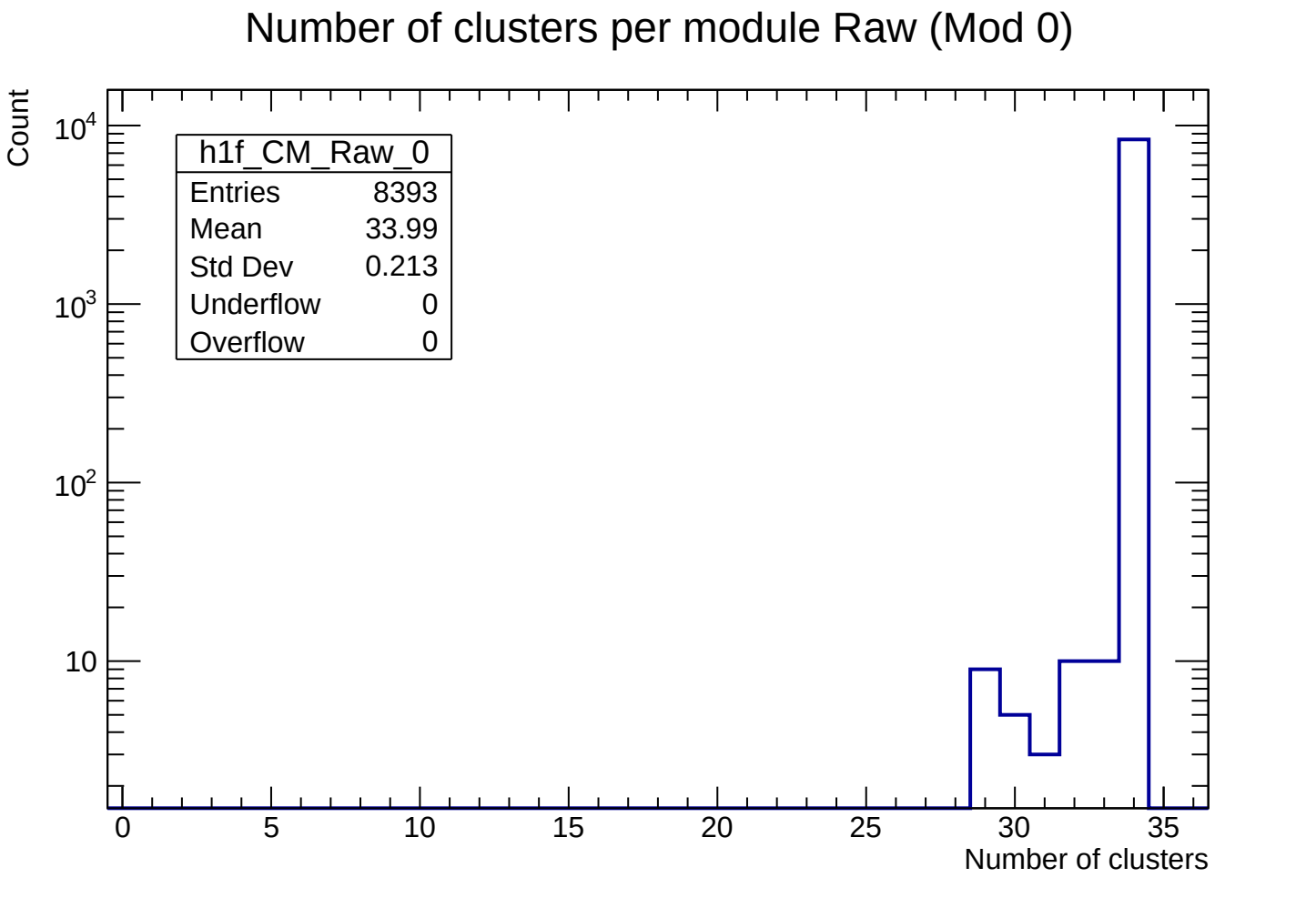

Q_{lead} Cut (Mod 0)
Count
h1f_Qlead_Sel_0
Entries 86700
Mean 1128
Std Dev 522.6
Underflow 0
Overflow 0
0
200
400
600
800
1000
1200
1400
1600
1800
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

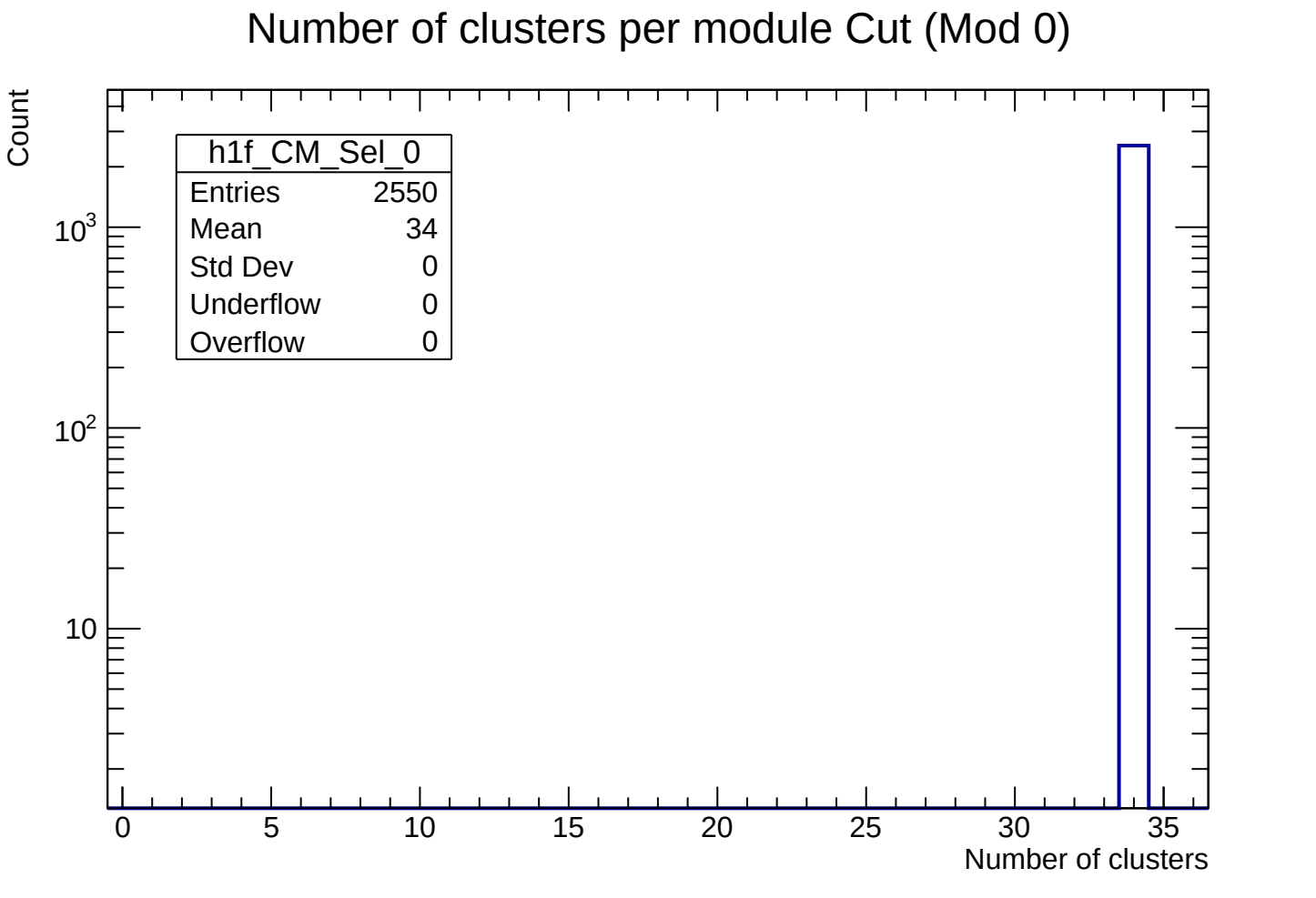

$Q_{neighbours}$ Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Raw_0
Entries 907307
Mean 264.1
Std Dev 362.4
Underflow 0
Overflow 0

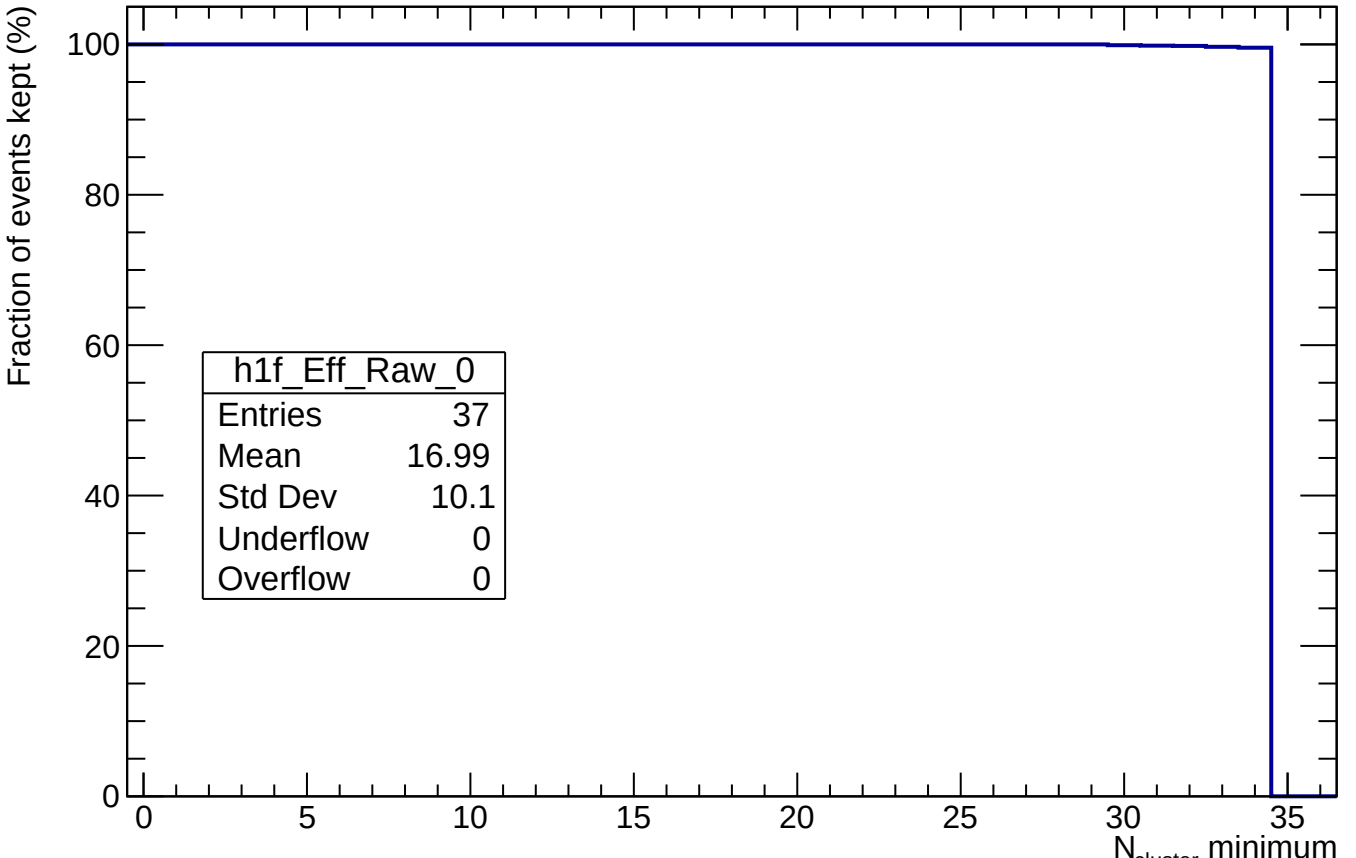

$Q_{neighbours}$ Cut (Mod 0)
Count
h1f_Qneigh_Sel_0
Entries 241193
Mean 205.4
Std Dev 210.5
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

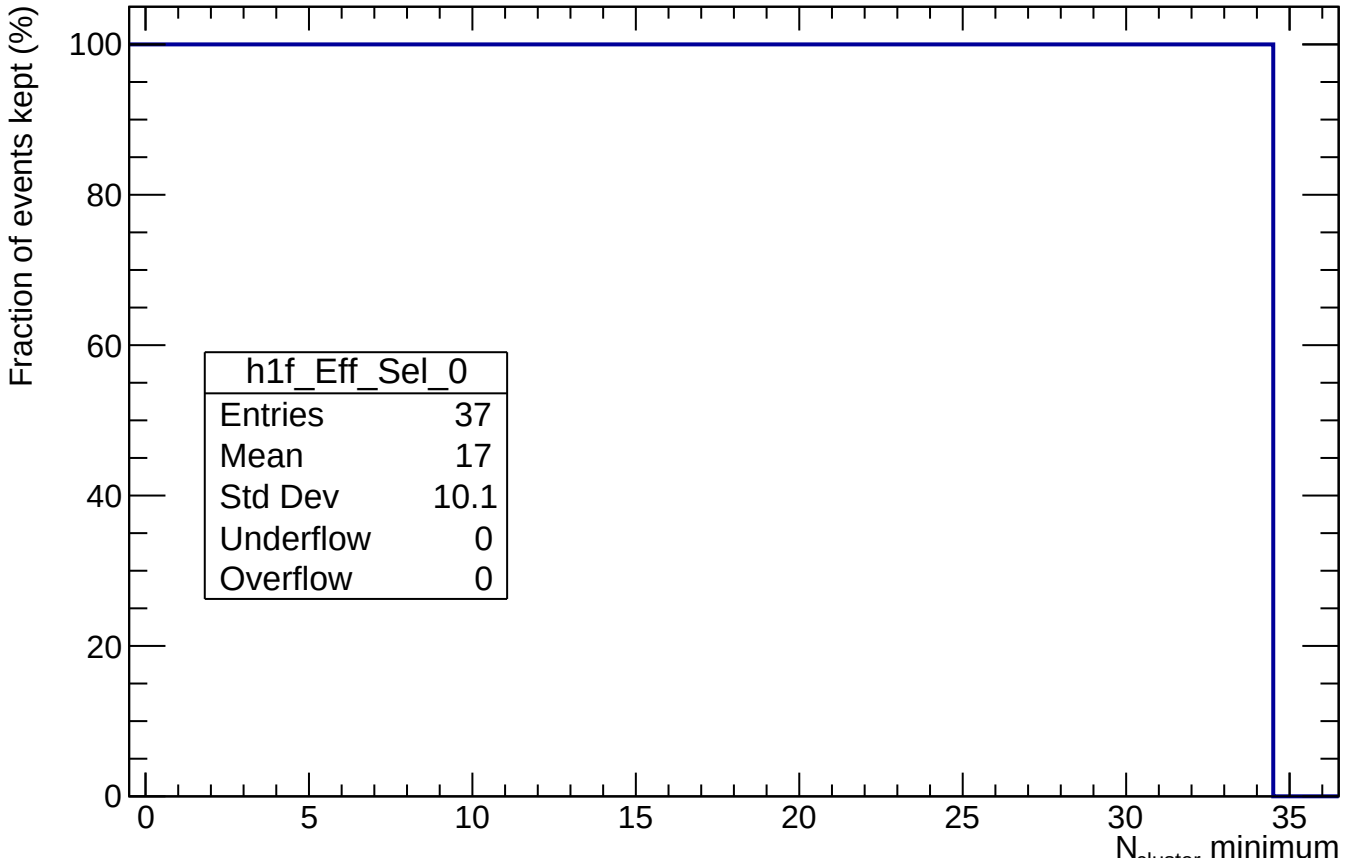

Q_{pad} Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
h1f_Qpad_Raw_0
Entries 1192565
Mean 520.7
Std Dev 673.5
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

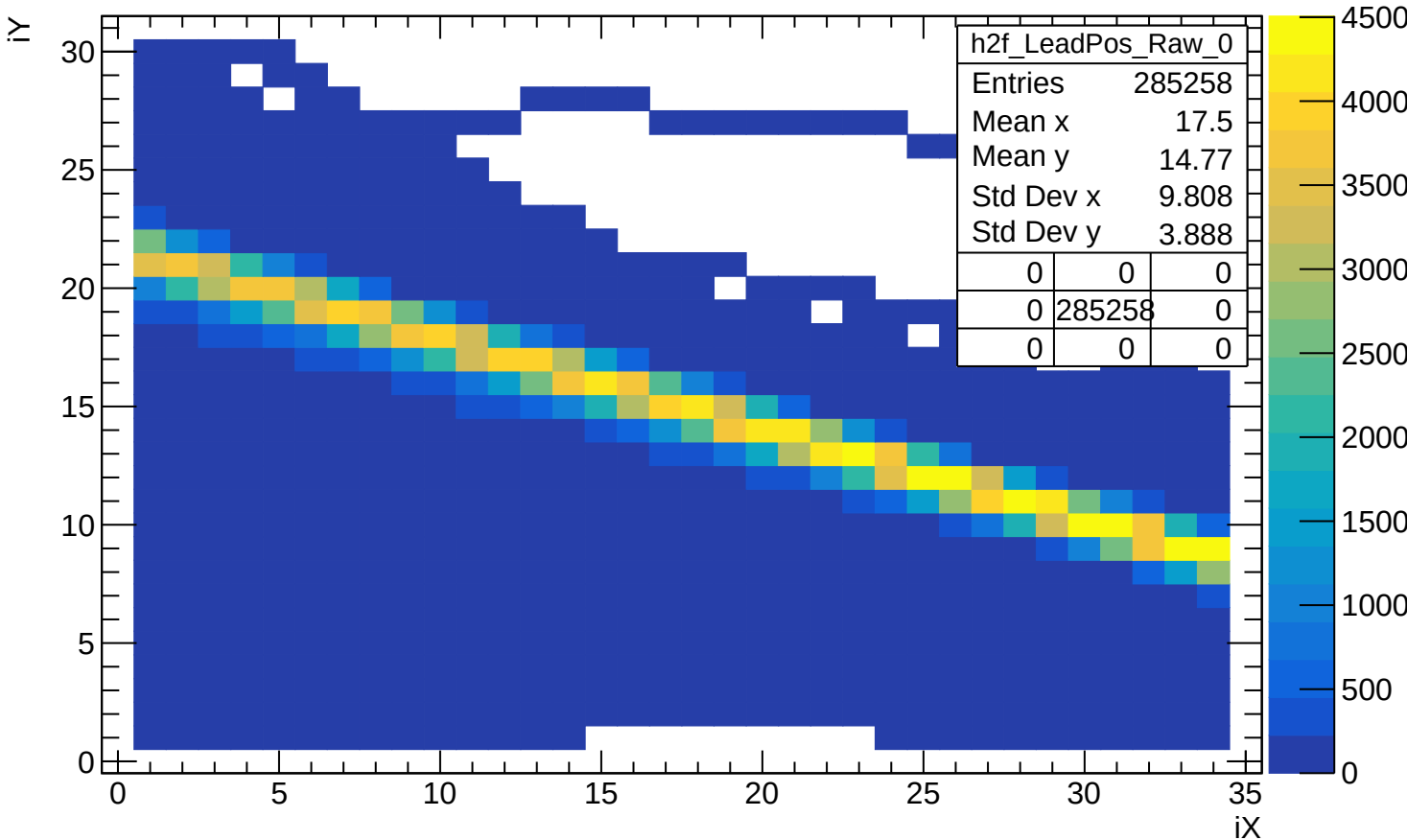

Q_{pad} Cut (Mod 0)
Count
h1f_Qpad_Sel_0
Entries 327893
Mean 449.3
Std Dev 519.8
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

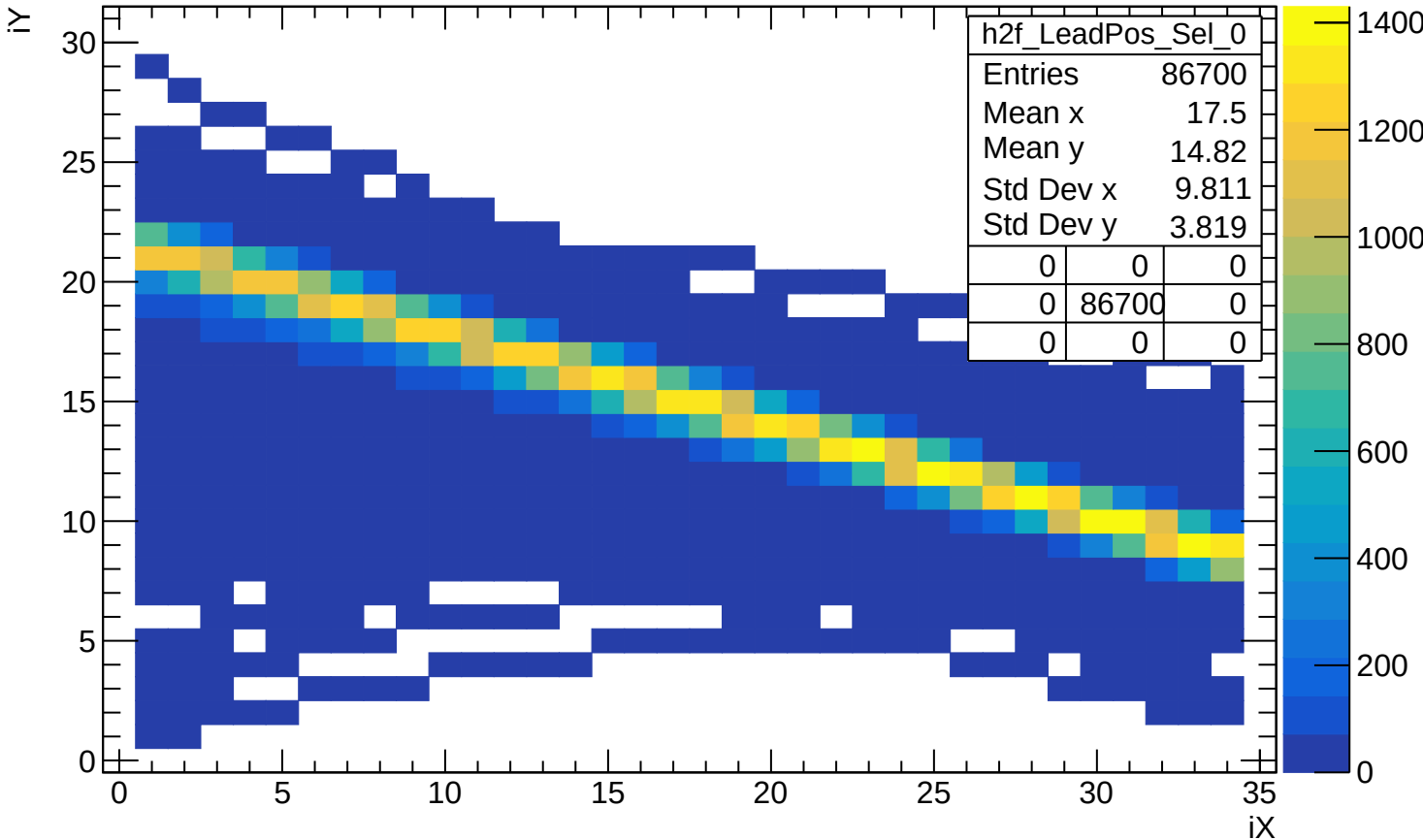

Number of clusters per module Raw (Mod 0)
Count
h1f_CM_Raw_0
Entries 8393
Mean 33.99
Std Dev 0.213
Underflow 0
Overflow 0
10^4
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

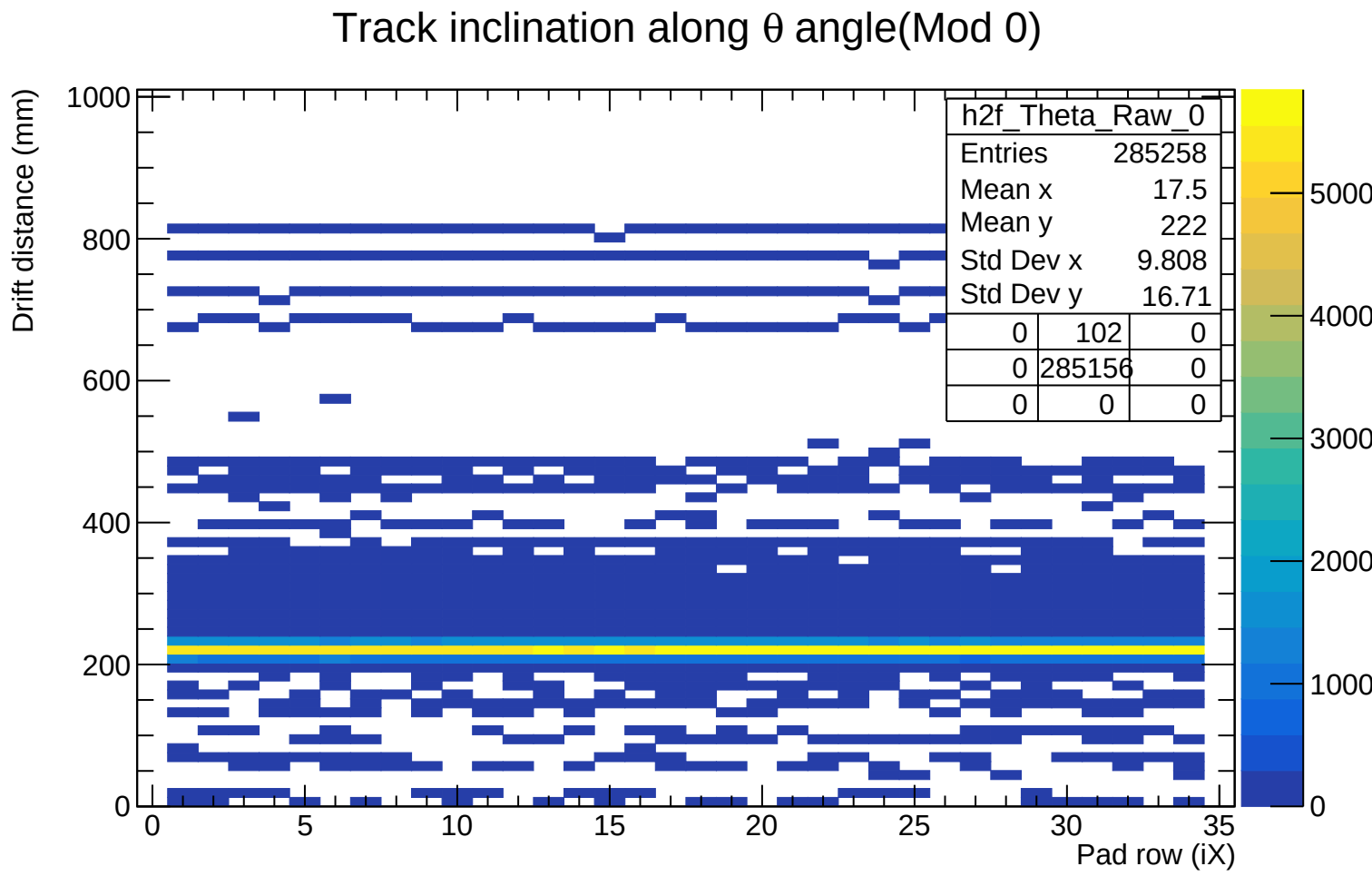

Number of clusters per module Cut (Mod 0)
Count
h1f_CM_Sel_0
Entries 2550
Mean 34
Std Dev 0
Underflow 0
Overflow 0
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

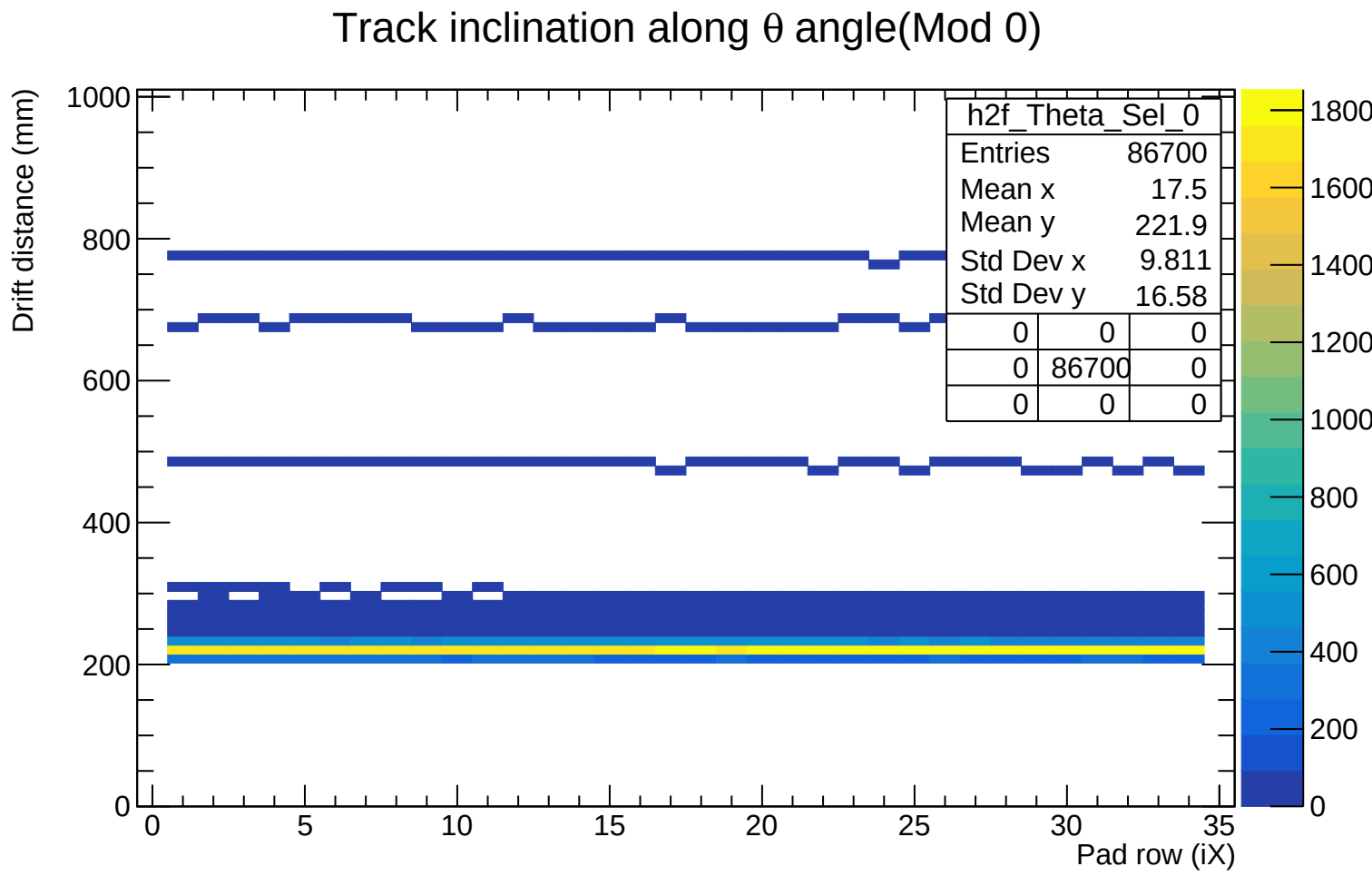

Efficiency : final fraction of events Raw (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
0
5
10
15
20
25
30
35
N cluster minimum
h1f_Eff_Raw_0
Entries 37
Mean 16.99
Std Dev 10.1
Underflow 0
Overflow 0


Efficiency : final fraction of events Cut (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
0
5
10
15
20
25
30
35
N cluster minimum
h1f_Eff_Sel_0
Entries 37
Mean 17
Std Dev 10.1
Underflow 0
Overflow 0


Position of leading pads in ERAM (Mod 0)
iY
iX
h2f_LeadPos_Raw_0
Entries 285258
Mean x 17.5
Mean y 14.77
Std Dev x 9.808
Std Dev y 3.888
0 0 0
0 285258 0
0 0 0
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30
0 500 1000 1500 2000 2500 3000 3500 4000 4500


Position of leading pads in ERAM (Mod 0)
iY
iX
h2f_LeadPos_Sel_0
Entries 86700
Mean x 17.5
Mean y 14.82
Std Dev x 9.811
Std Dev y 3.819
0 0 0
0 86700 0
0 0 0
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30
0 200 400 600 800 1000 1200 1400


Track inclination along θ angle(Mod 0)
h2f_Theta_Raw_0
Entries 285258
Mean x 17.5
Mean y 222
Std Dev x 9.808
Std Dev y 16.71
0 102 0
0 285156 0
0 0 0
Drift distance (mm)
Pad row (iX)
0
200
400
600
800
1000
0
5
10
15
20
25
30
35
0
1000
2000
3000
4000
5000


Track inclination along θ angle(Mod 0)
h2f_Theta_Sel_0
Entries 86700
Mean x 17.5
Mean y 221.9
Std Dev x 9.811
Std Dev y 16.58
0 0 0
0 86700 0
0 0 0
Drift distance (mm)
Pad row (iX)
0
200
400
600
800
1000
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400
1600
1800