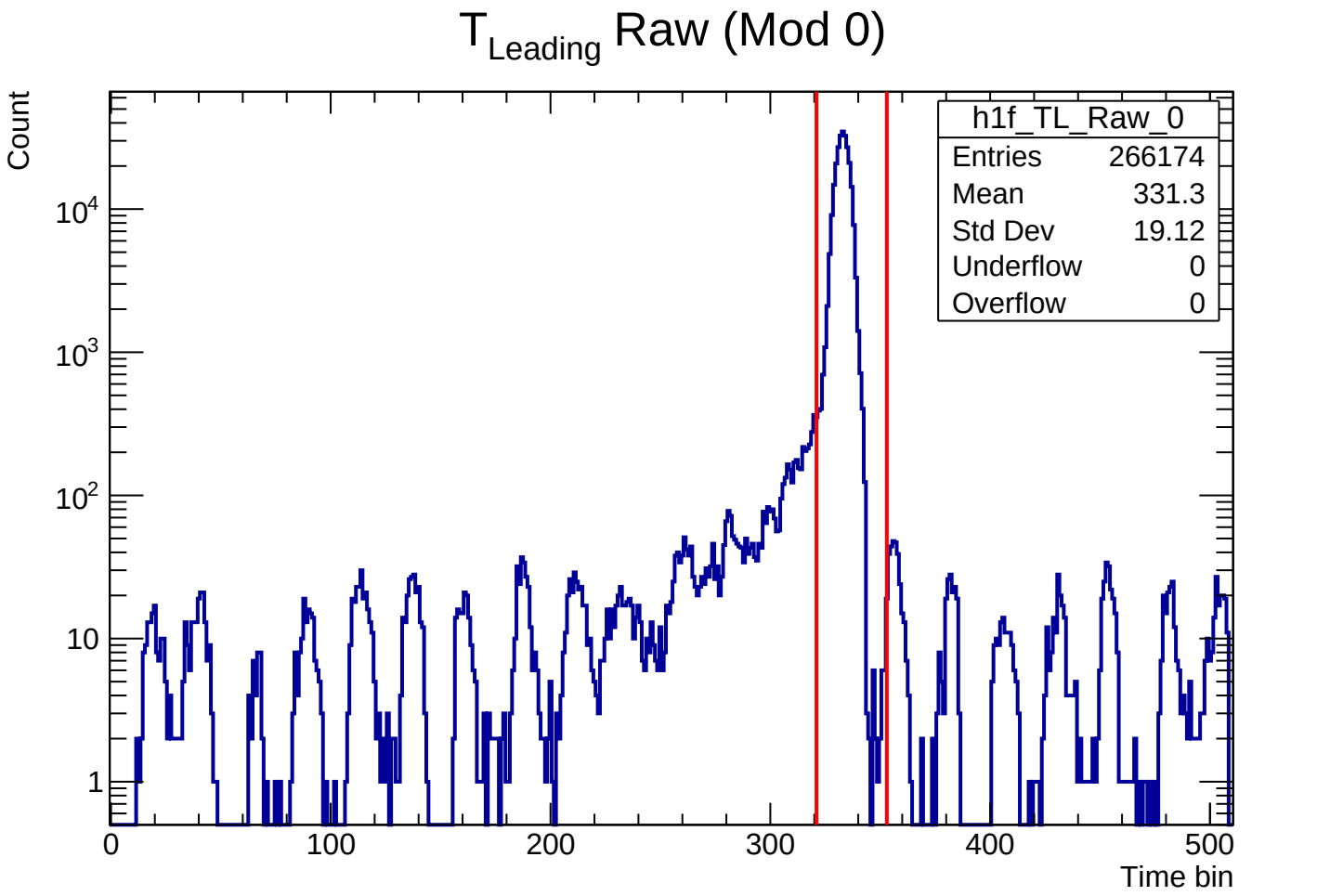
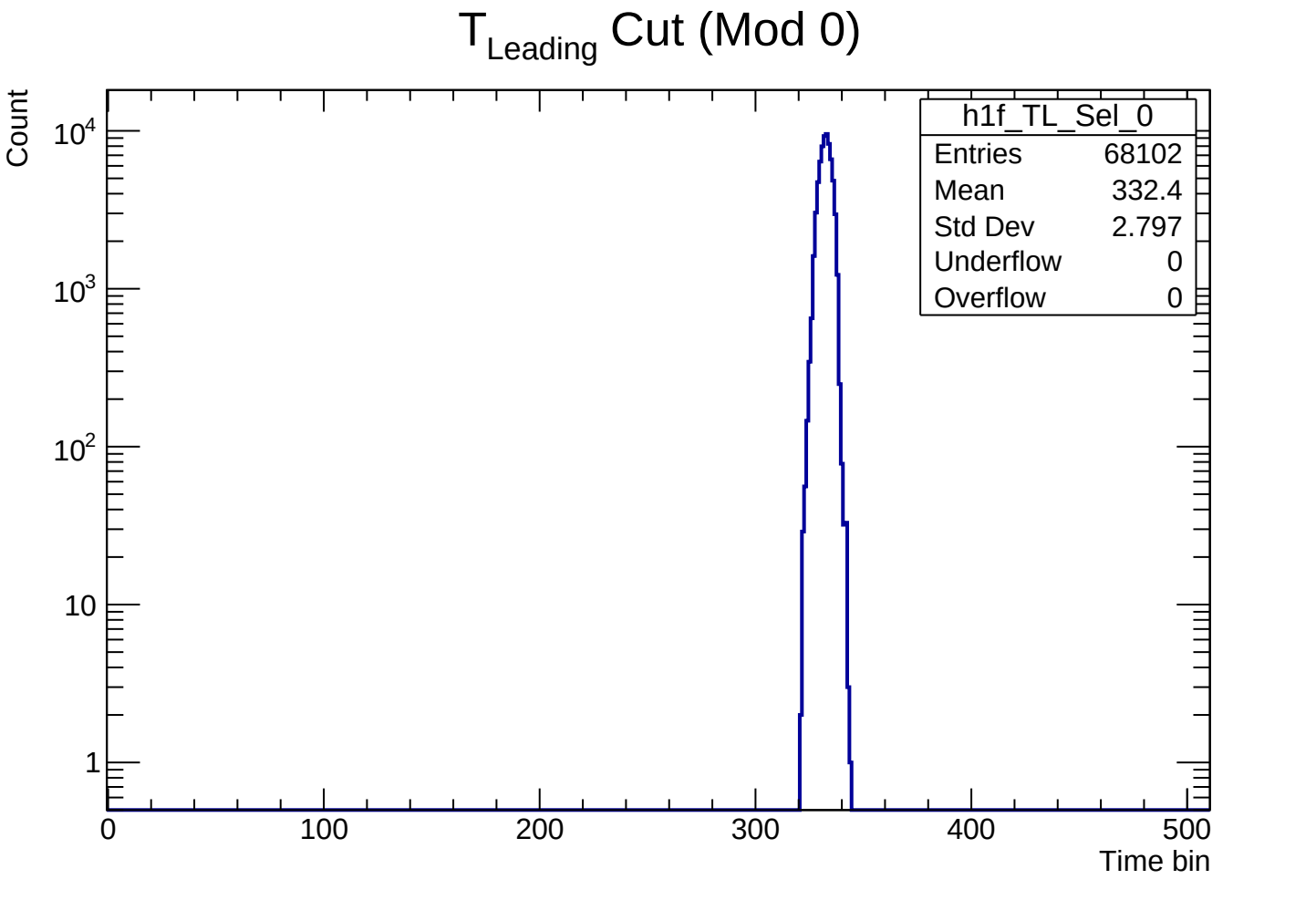
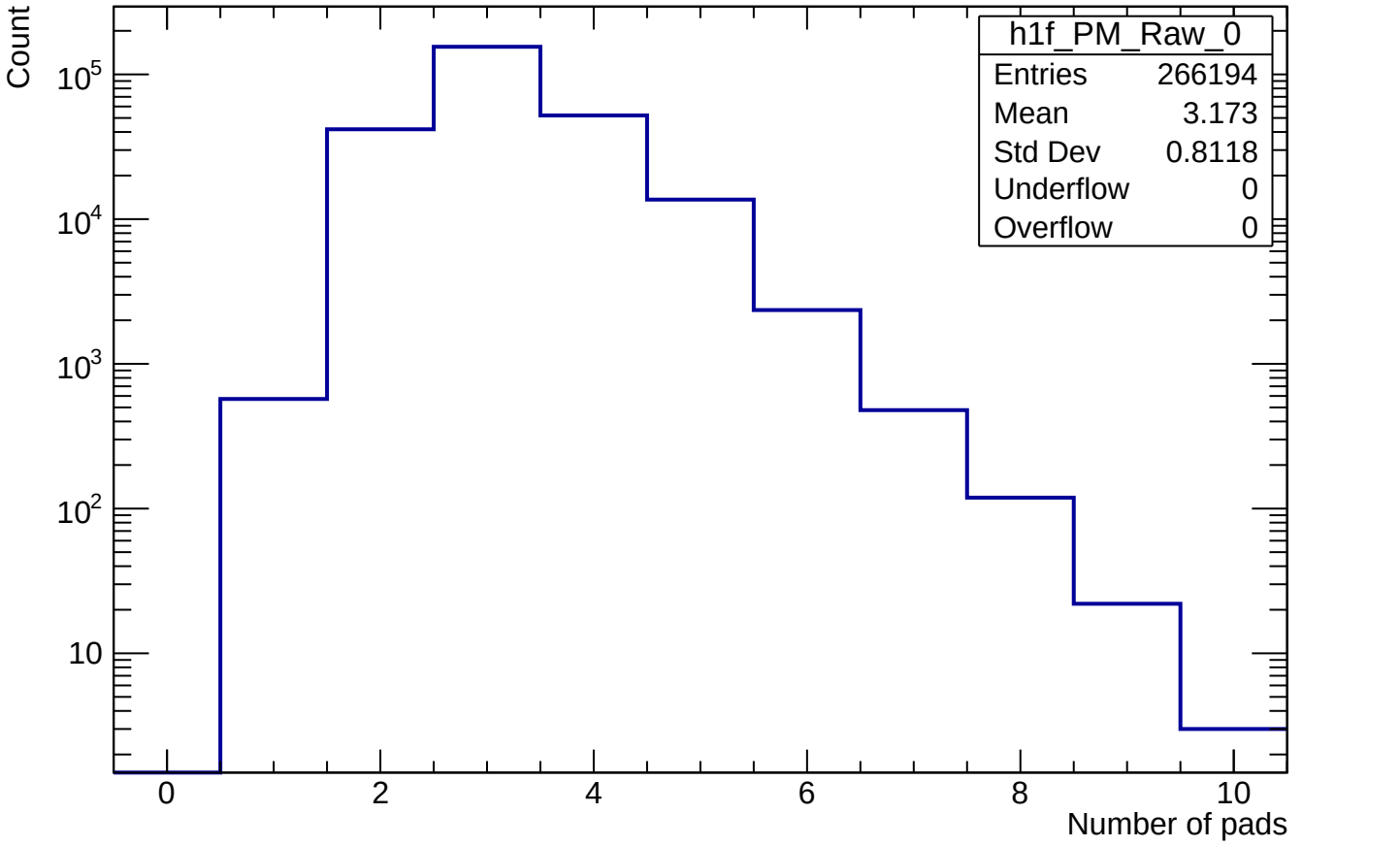
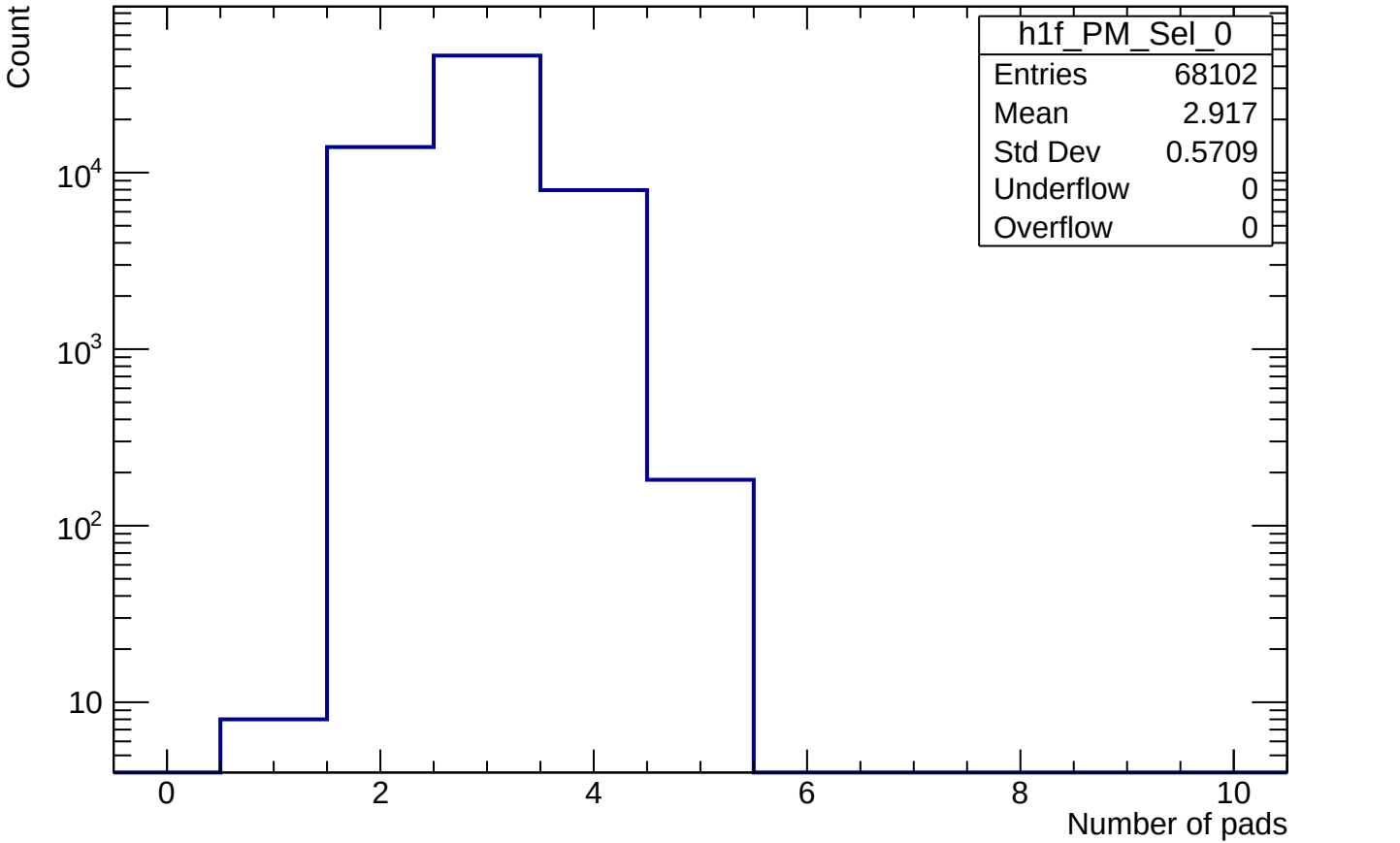
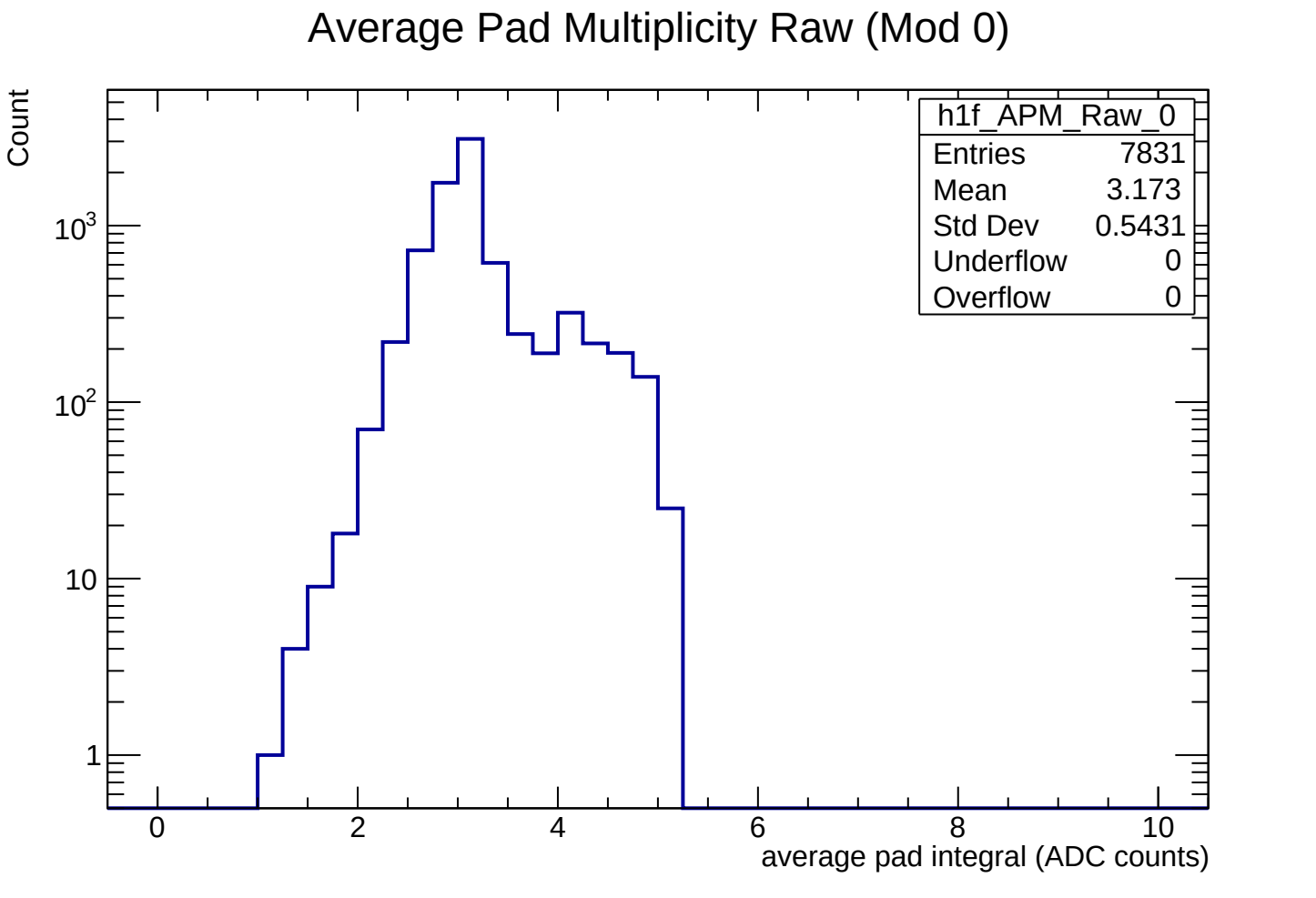
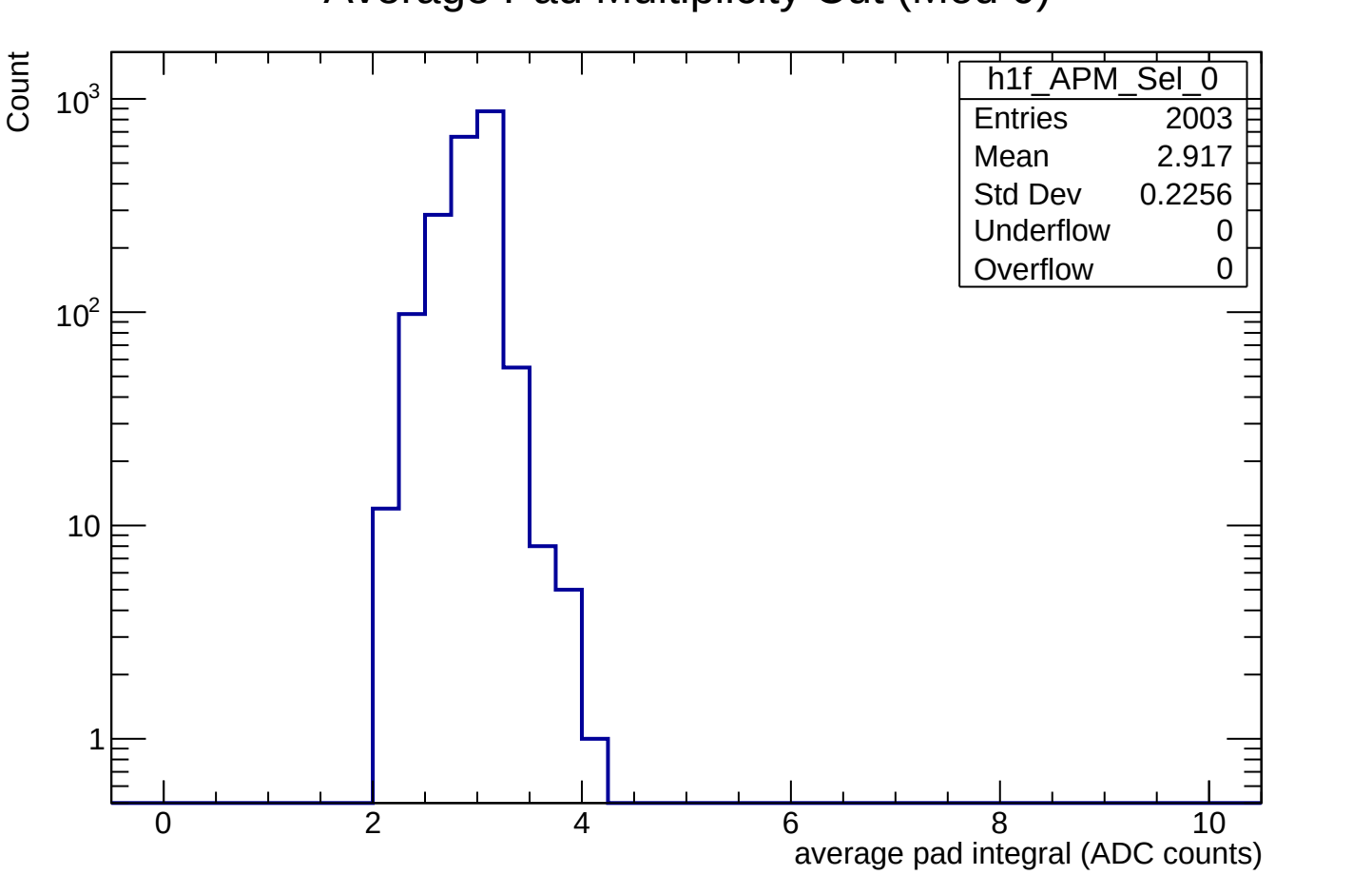

T Leading Raw (Mod 0)
Count
h1f_TL_Raw_0
Entries 266174
Mean 331.3
Std Dev 19.12
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
100
200
300
400
500
Time bin

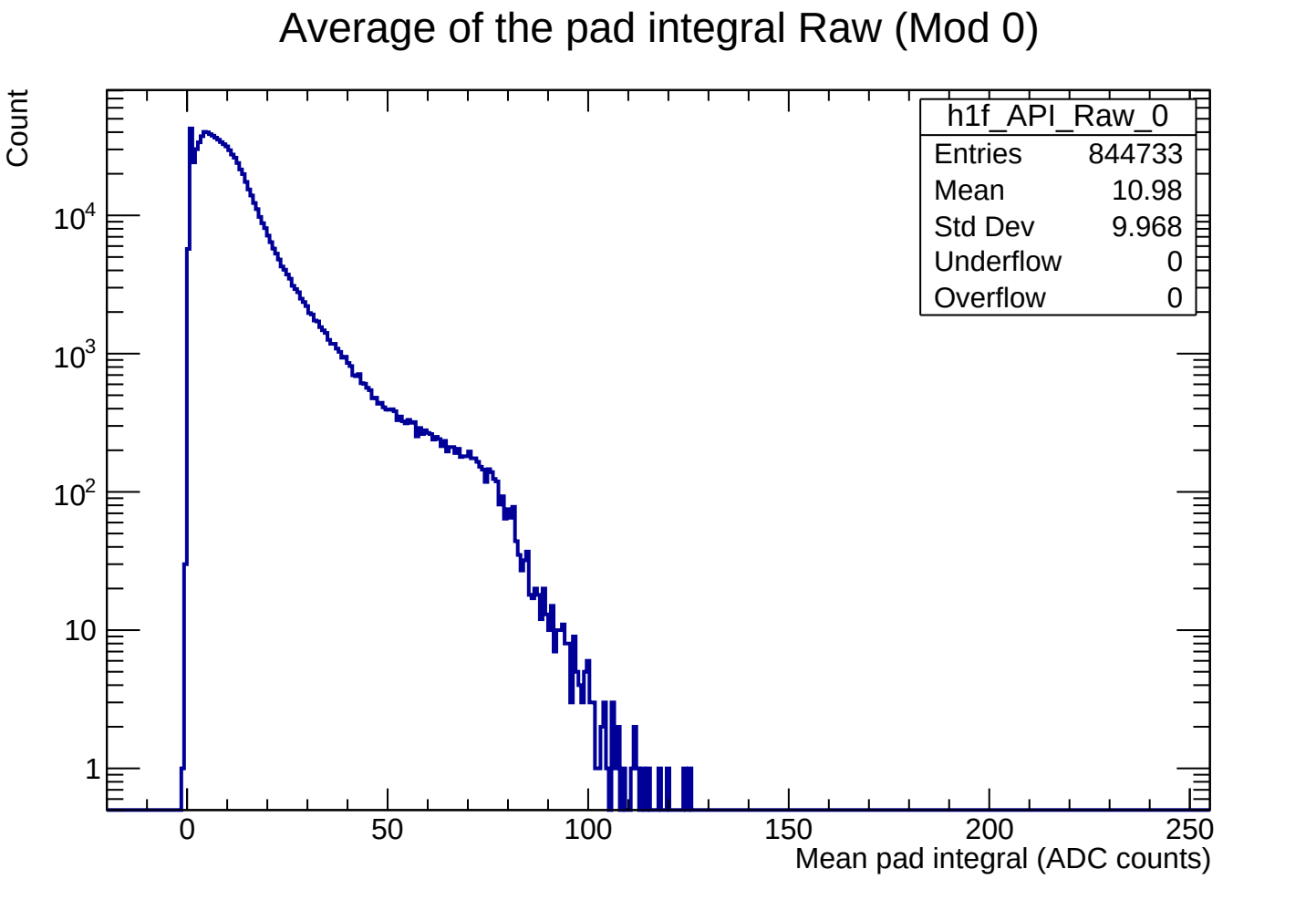

T Leading Cut (Mod 0)
Count
Time bin
h1f_TL_Sel_0
Entries 68102
Mean 332.4
Std Dev 2.797
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
100
200
300
400
500

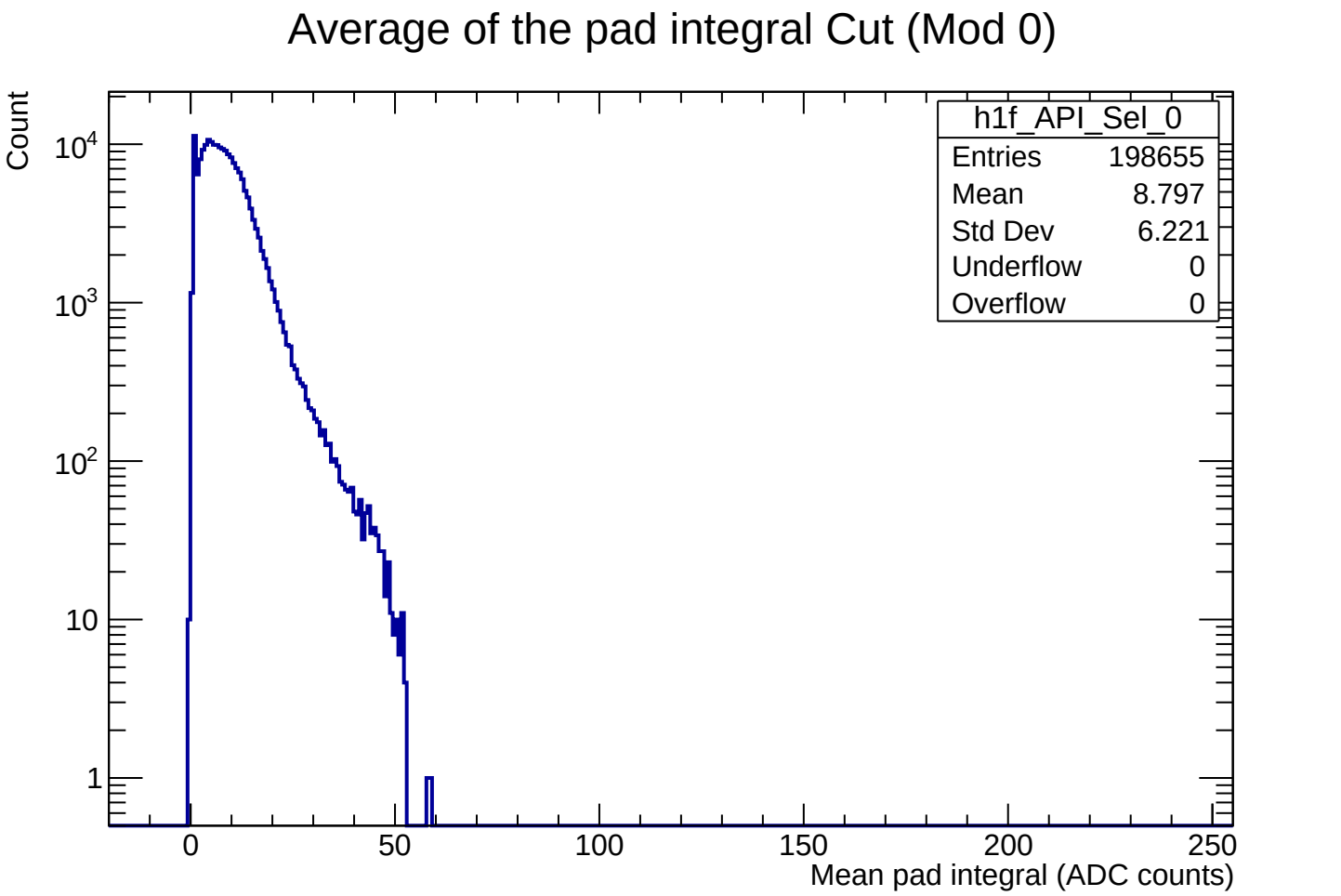

Pad Multiplicity Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
2
4
6
8
10
Number of pads
h1f_PM_Raw_0
Entries 266194
Mean 3.173
Std Dev 0.8118
Underflow 0
Overflow 0

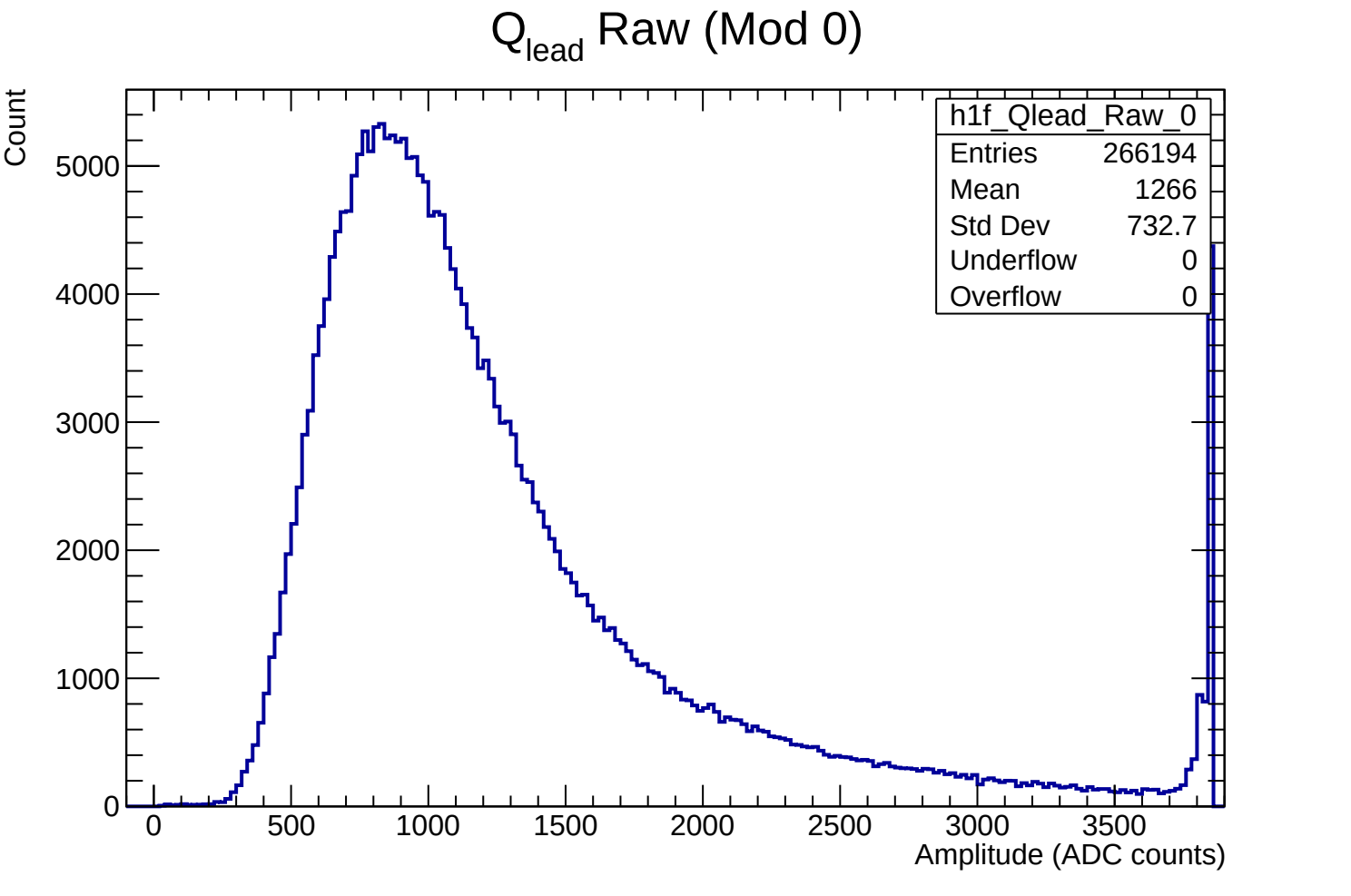

Pad Multiplicity Cut (Mod 0)
Count
10^4
10^3
10^2
10
0
2
4
6
8
10
Number of pads
h1f_PM_Sel_0
Entries 68102
Mean 2.917
Std Dev 0.5709
Underflow 0
Overflow 0

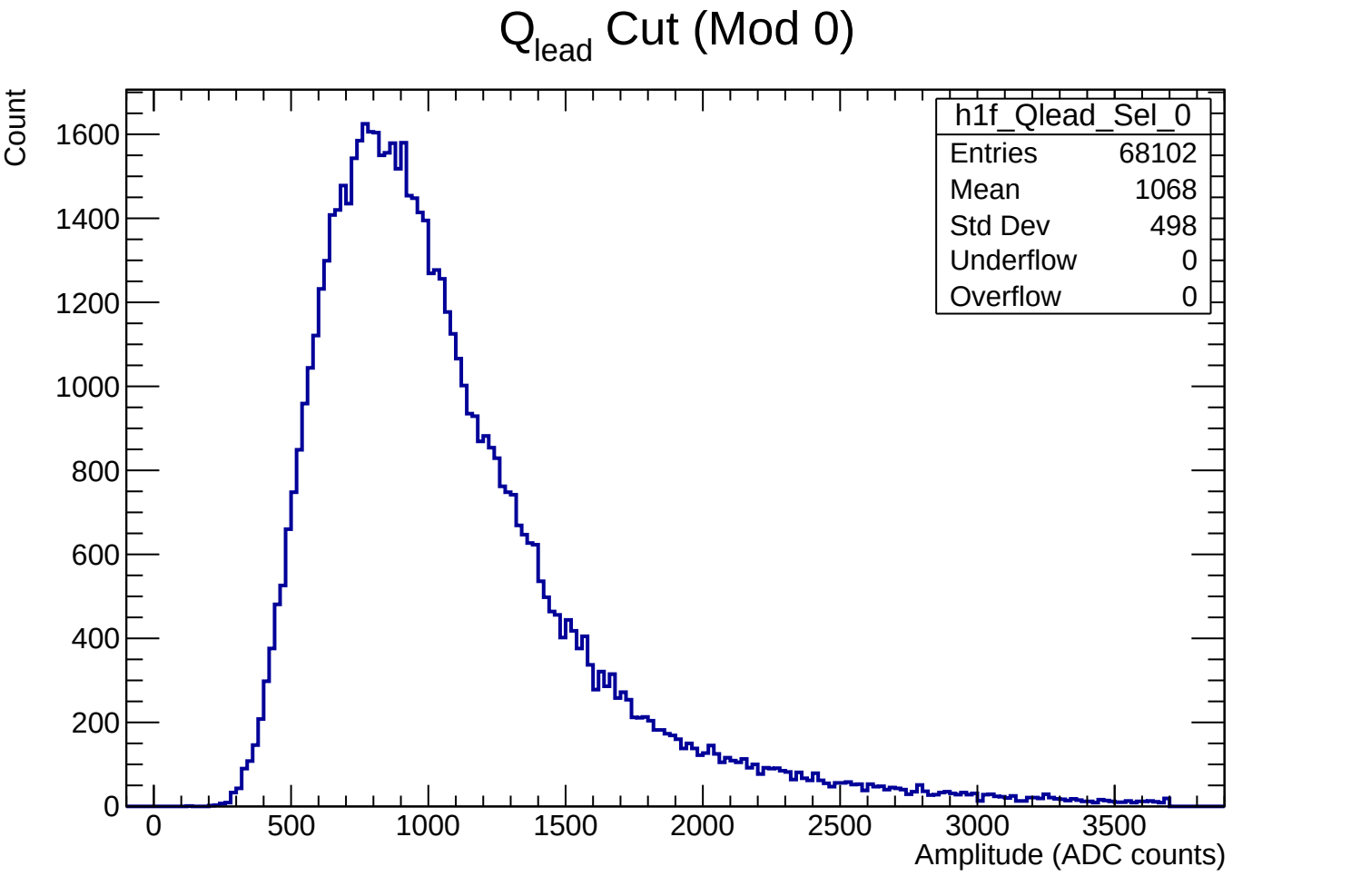

Average Pad Multiplicity Raw (Mod 0)
Count
10^3
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Raw_0
Entries 7831
Mean 3.173
Std Dev 0.5431
Underflow 0
Overflow 0

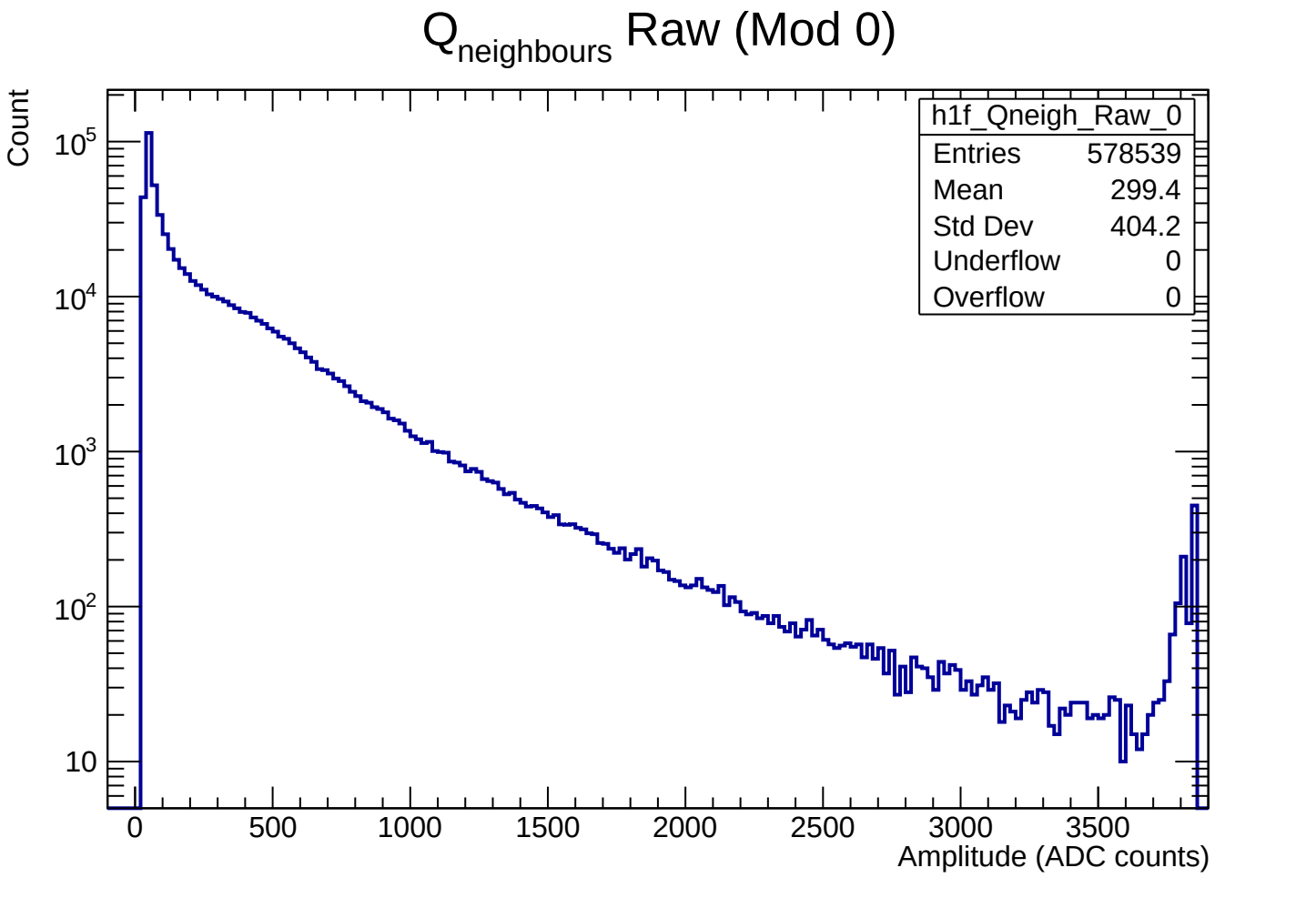

Average Pad Multiplicity Cut (Mod 0)
Count
10^3
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Sel_0
Entries 2003
Mean 2.917
Std Dev 0.2256
Underflow 0
Overflow 0

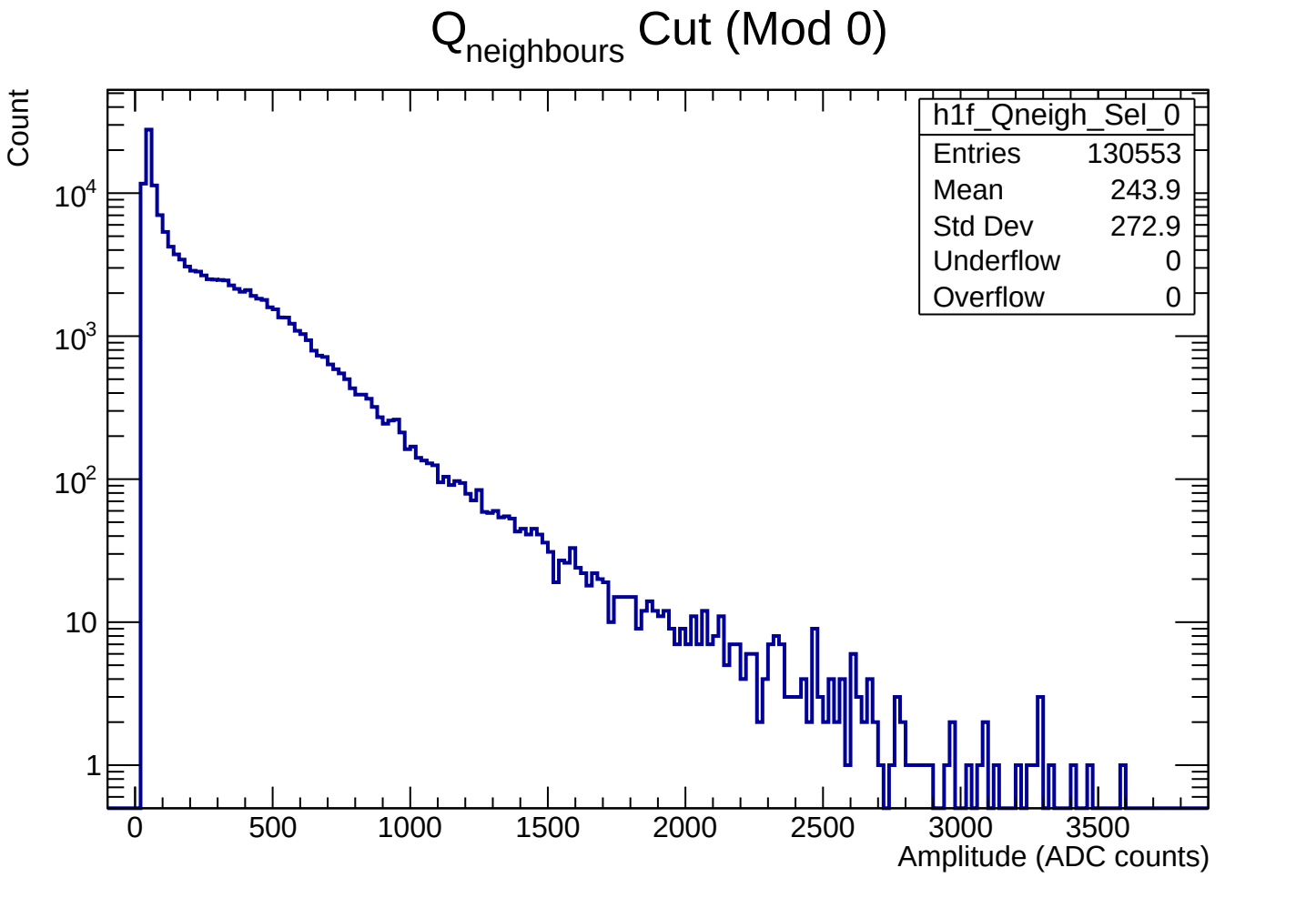

Average of the pad integral Raw (Mod 0)
Count
h1f_API_Raw_0
Entries 844733
Mean 10.98
Std Dev 9.968
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)

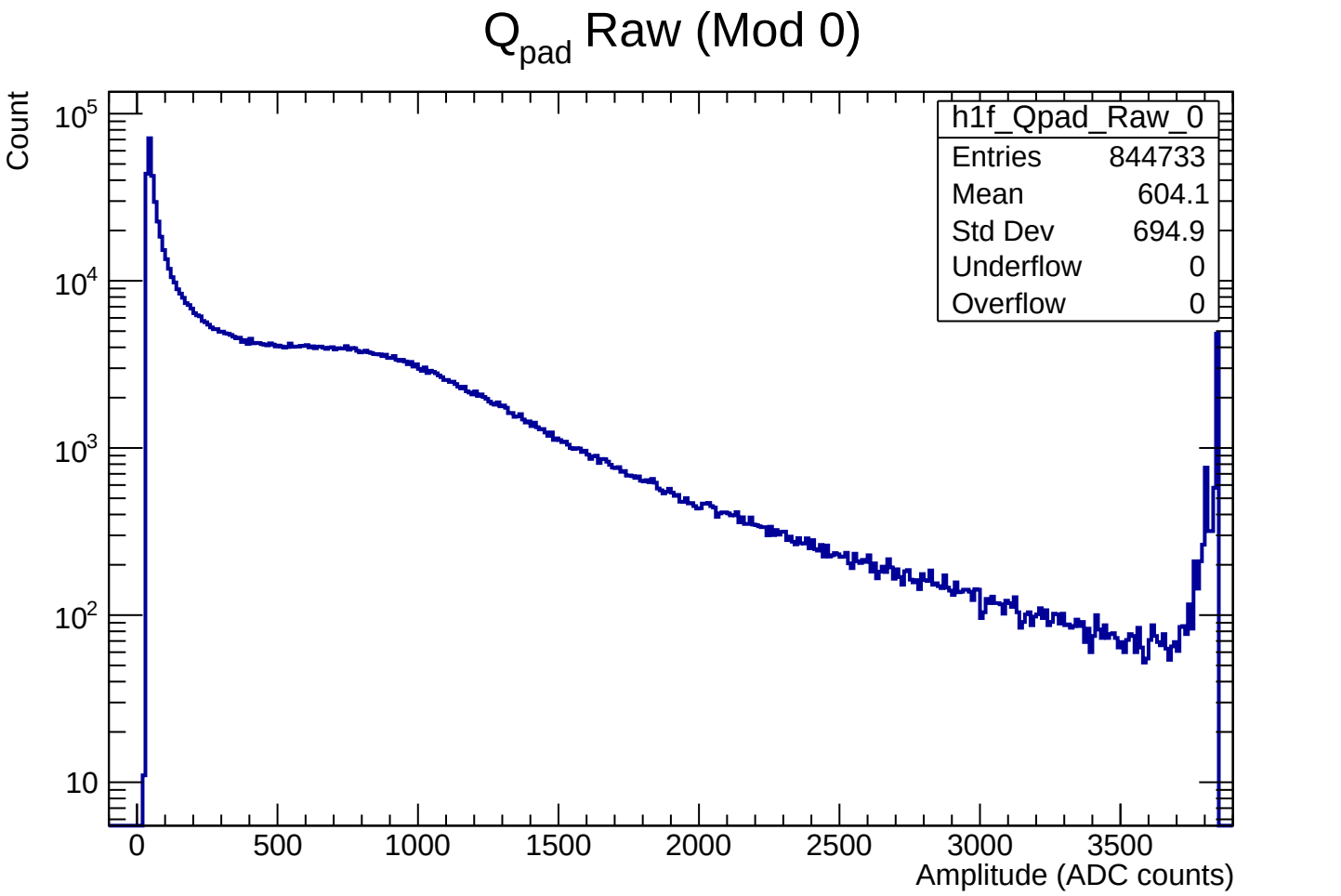

Average of the pad integral Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)
h1f_API_Sel_0
Entries 198655
Mean 8.797
Std Dev 6.221
Underflow 0
Overflow 0

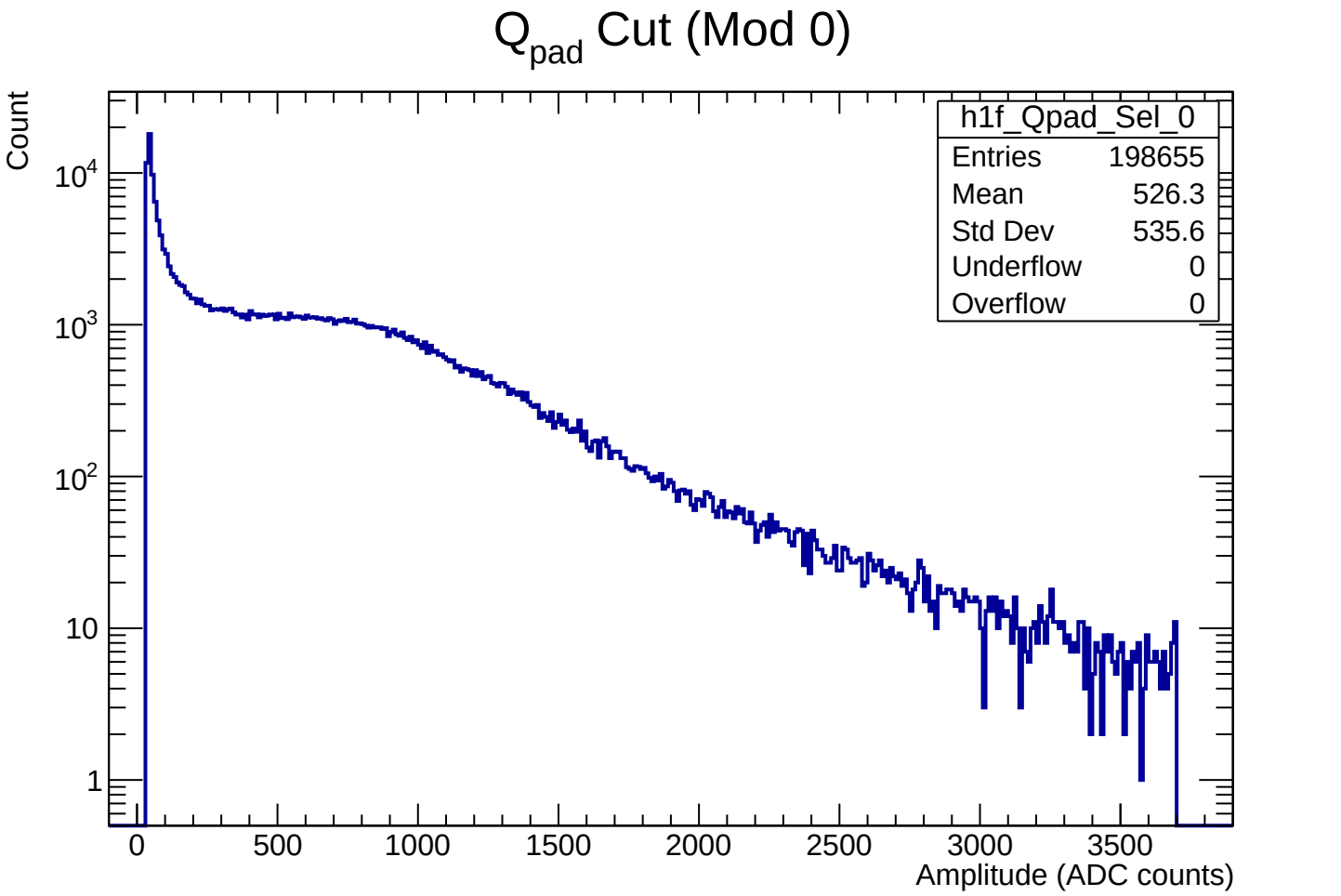

Q_{lead} Raw (Mod 0)
Count
h1f_Qlead_Raw_0
Entries 266194
Mean 1266
Std Dev 732.7
Underflow 0
Overflow 0
0
1000
2000
3000
4000
5000
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

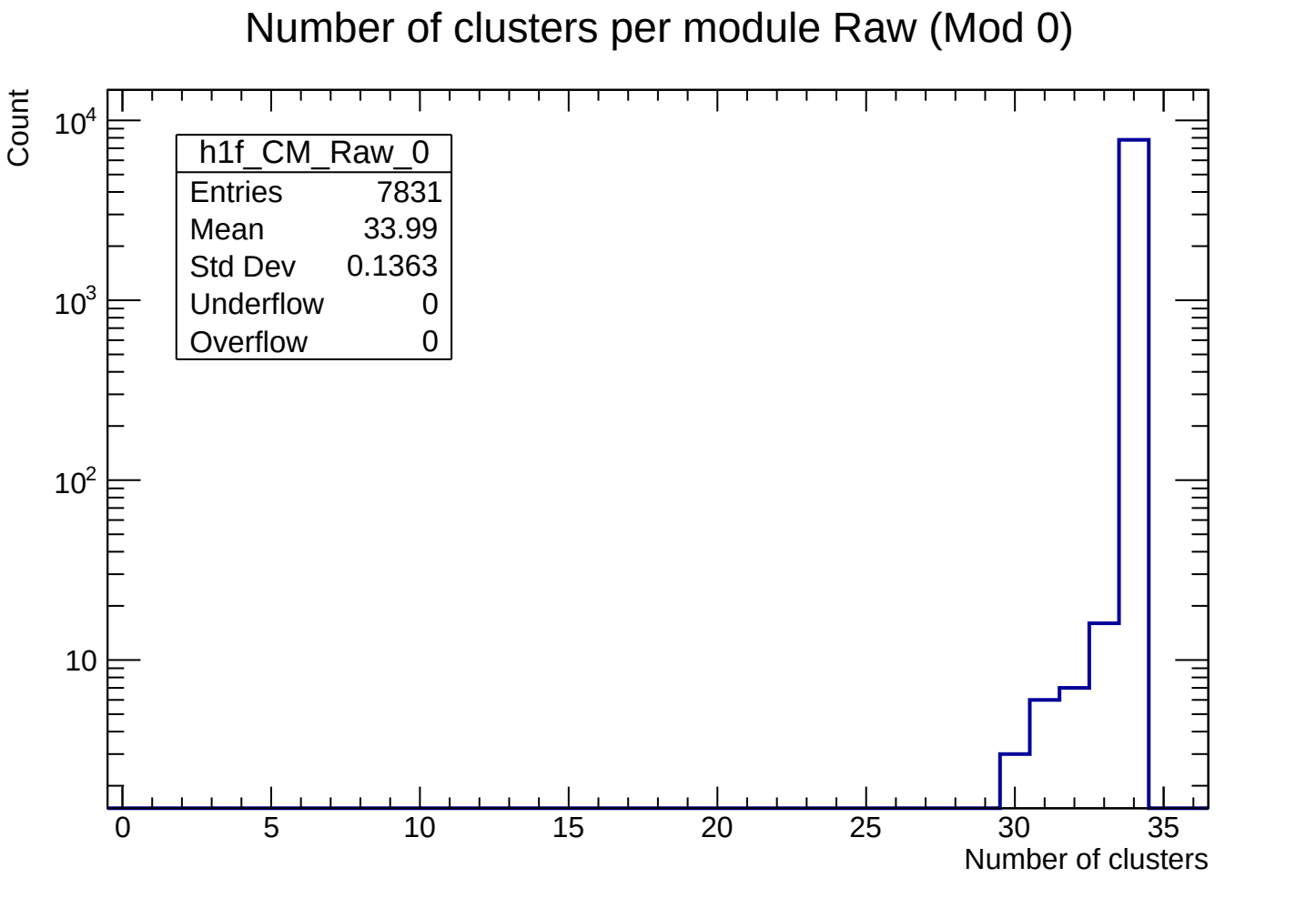

Q_{lead} Cut (Mod 0)
Count
h1f_Qlead_Sel_0
Entries 68102
Mean 1068
Std Dev 498
Underflow 0
Overflow 0
0
200
400
600
800
1000
1200
1400
1600
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

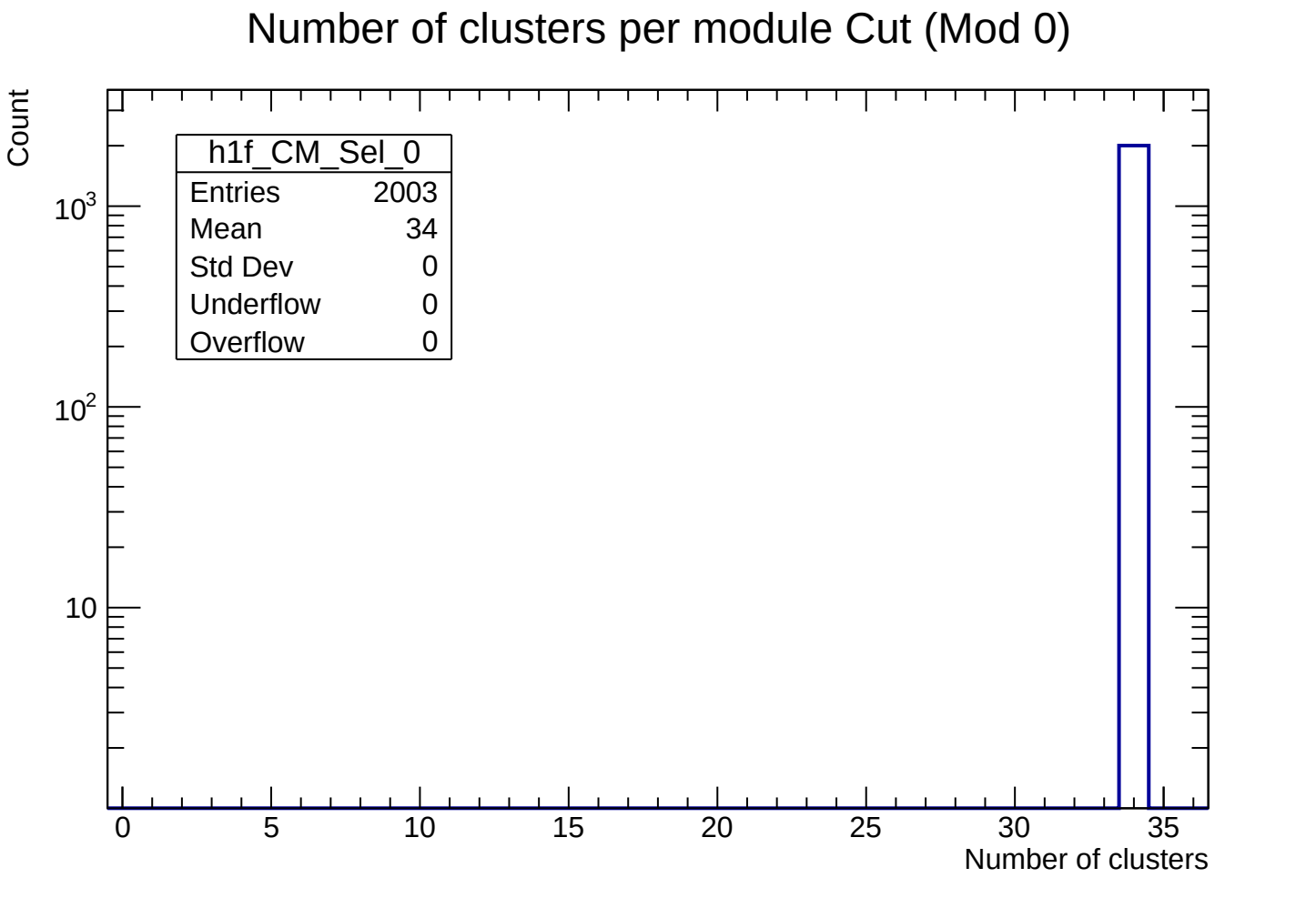

$Q_{neighbours}$ Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Raw_0
Entries 578539
Mean 299.4
Std Dev 404.2
Underflow 0
Overflow 0

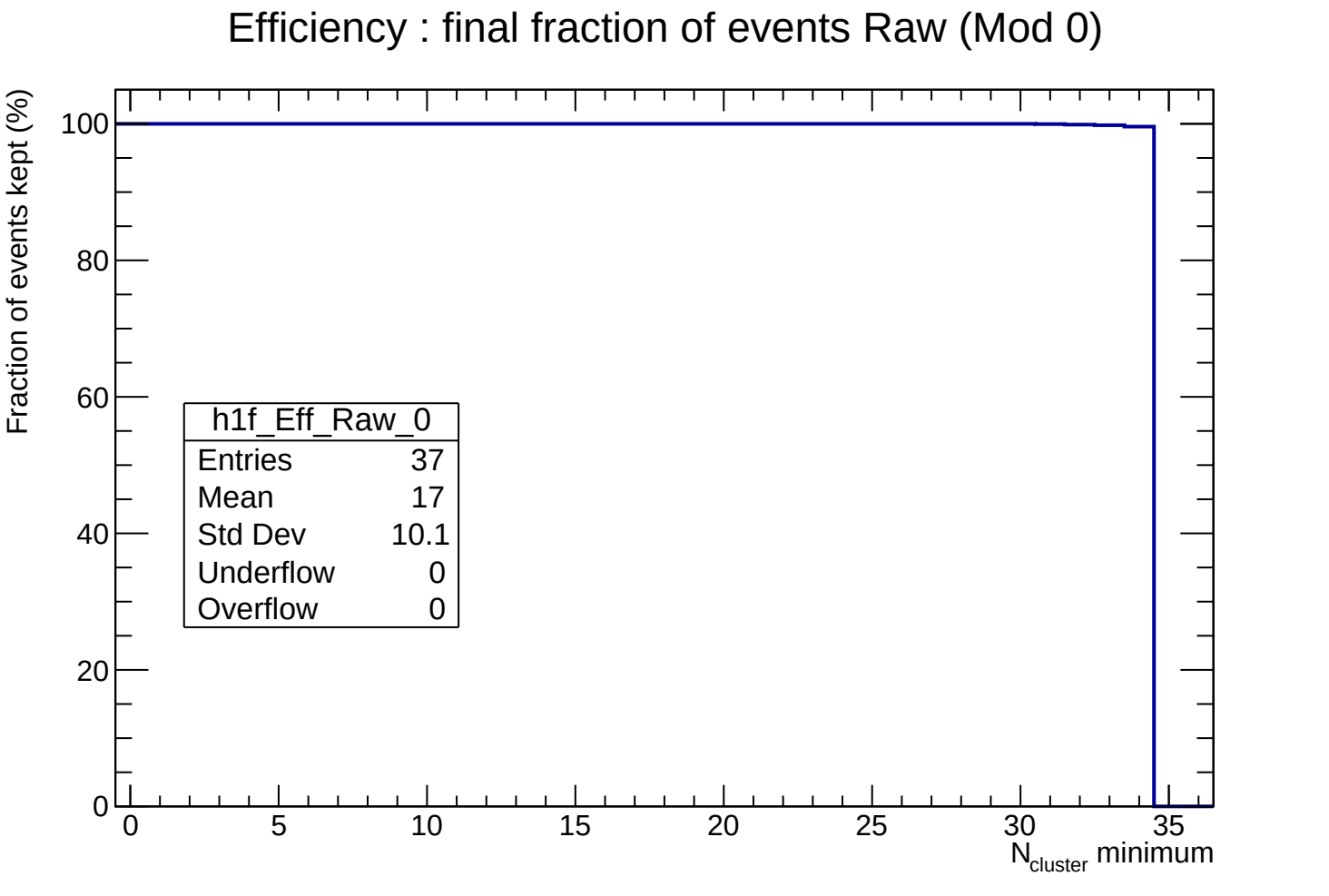

$Q_{neighbours}$ Cut (Mod 0)
Count
h1f_Qneigh_Sel_0
Entries 130553
Mean 243.9
Std Dev 272.9
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

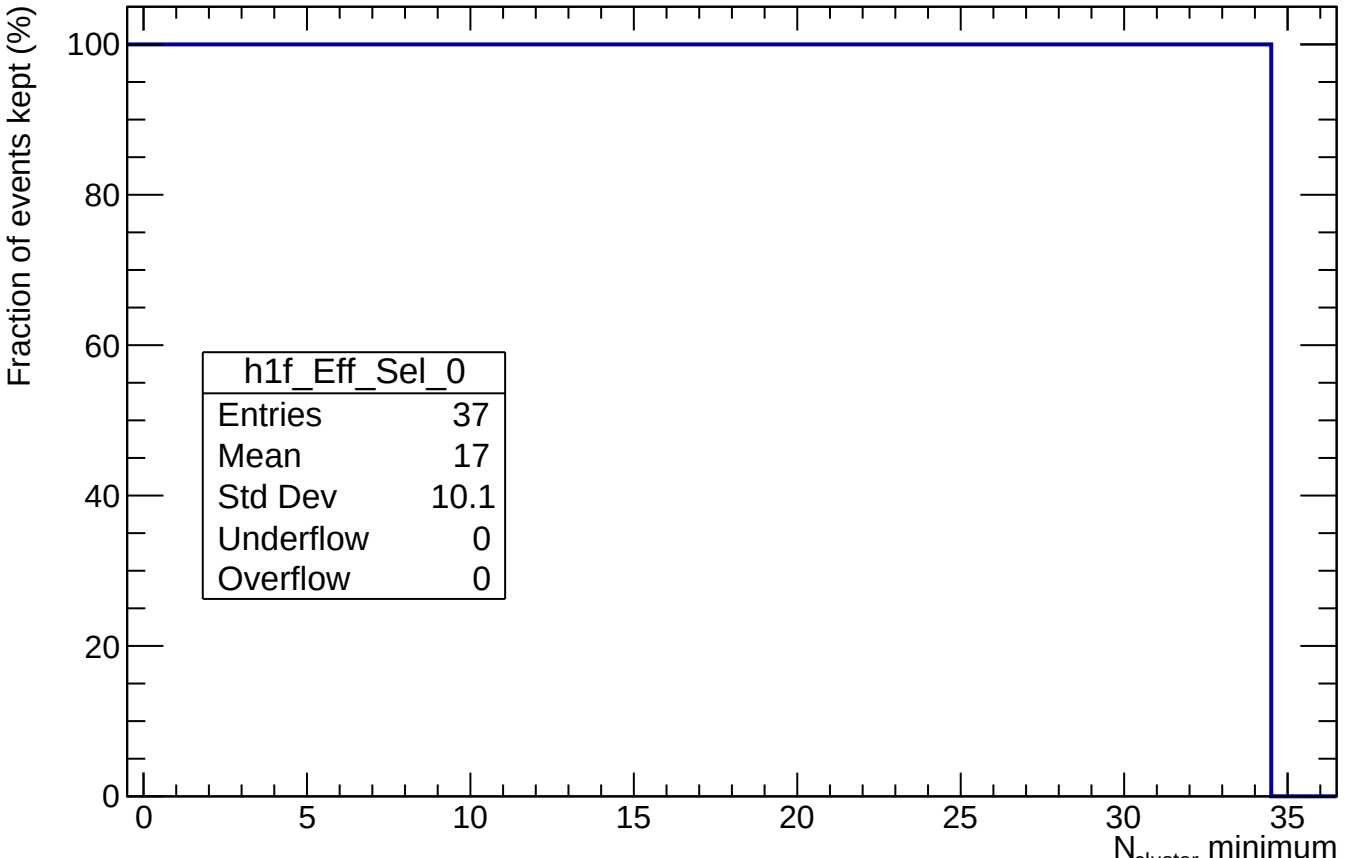

Q_{pad} Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qpad_Raw_0
Entries 844733
Mean 604.1
Std Dev 694.9
Underflow 0
Overflow 0

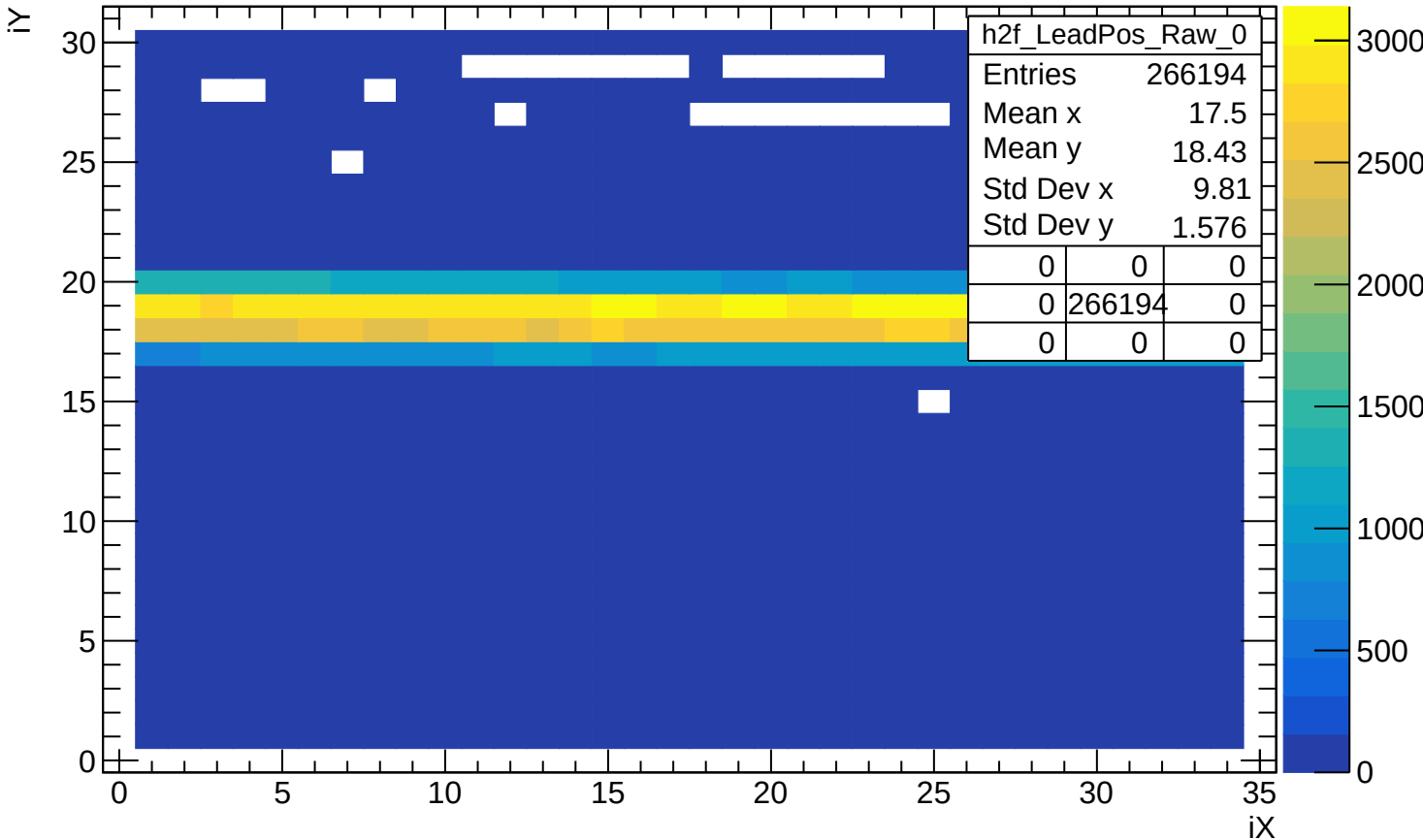

Q_{pad} Cut (Mod 0)
h1f_Qpad_Sel_0
Entries 198655
Mean 526.3
Std Dev 535.6
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

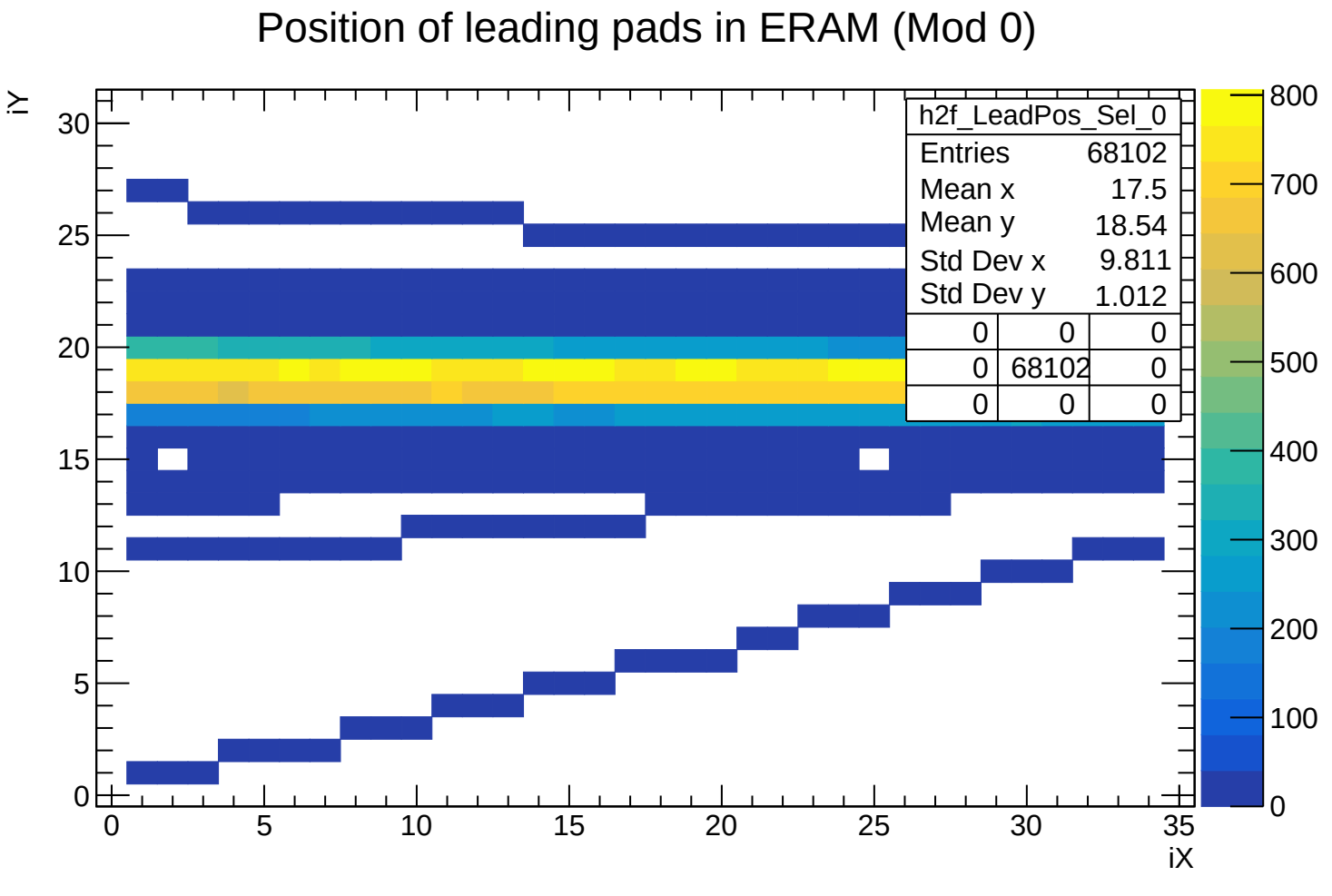

Number of clusters per module Raw (Mod 0)
Count
h1f_CM_Raw_0
Entries 7831
Mean 33.99
Std Dev 0.1363
Underflow 0
Overflow 0
10^4
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

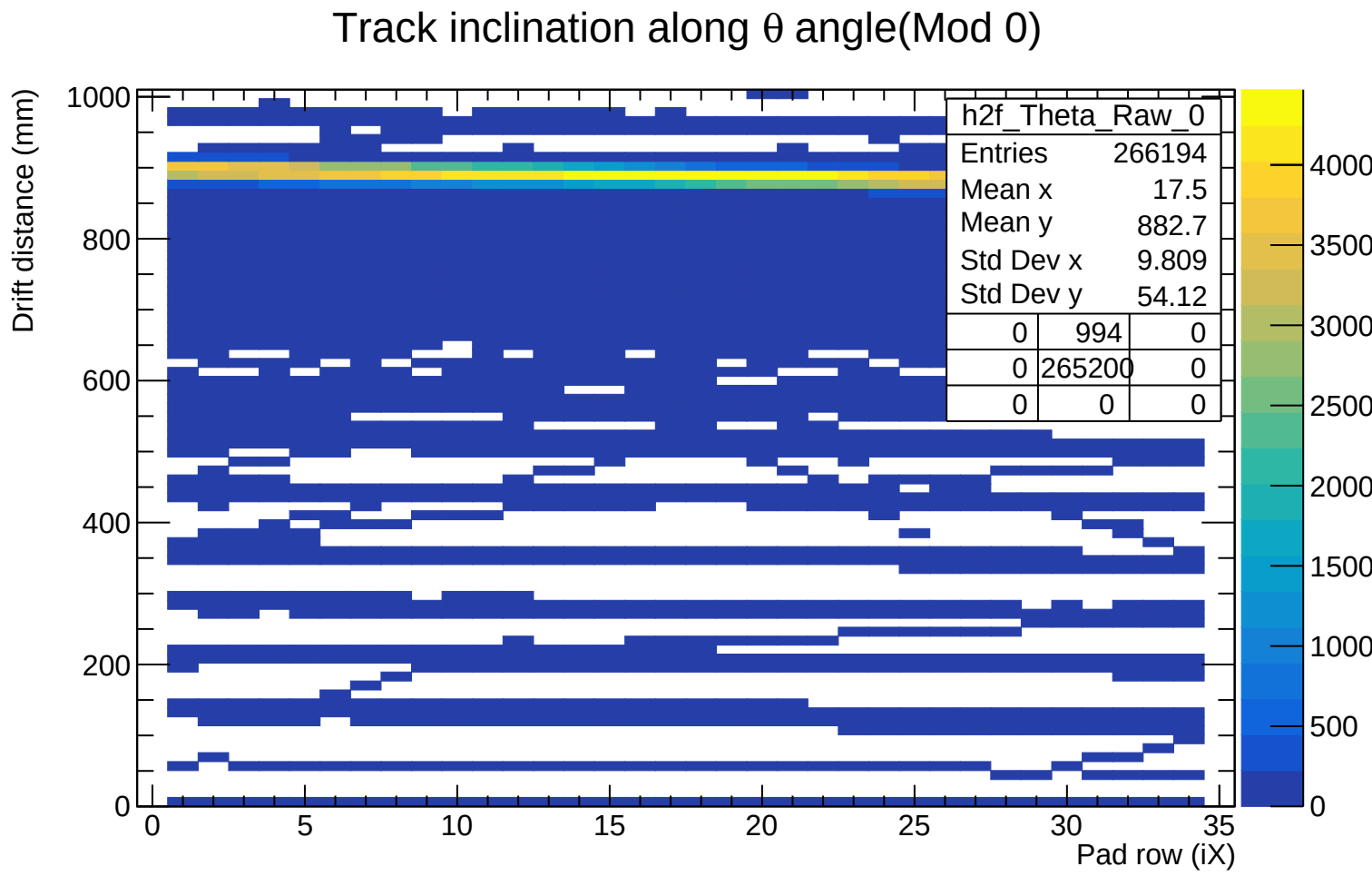

Number of clusters per module Cut (Mod 0)
Count
h1f_CM_Sel_0
Entries 2003
Mean 34
Std Dev 0
Underflow 0
Overflow 0
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

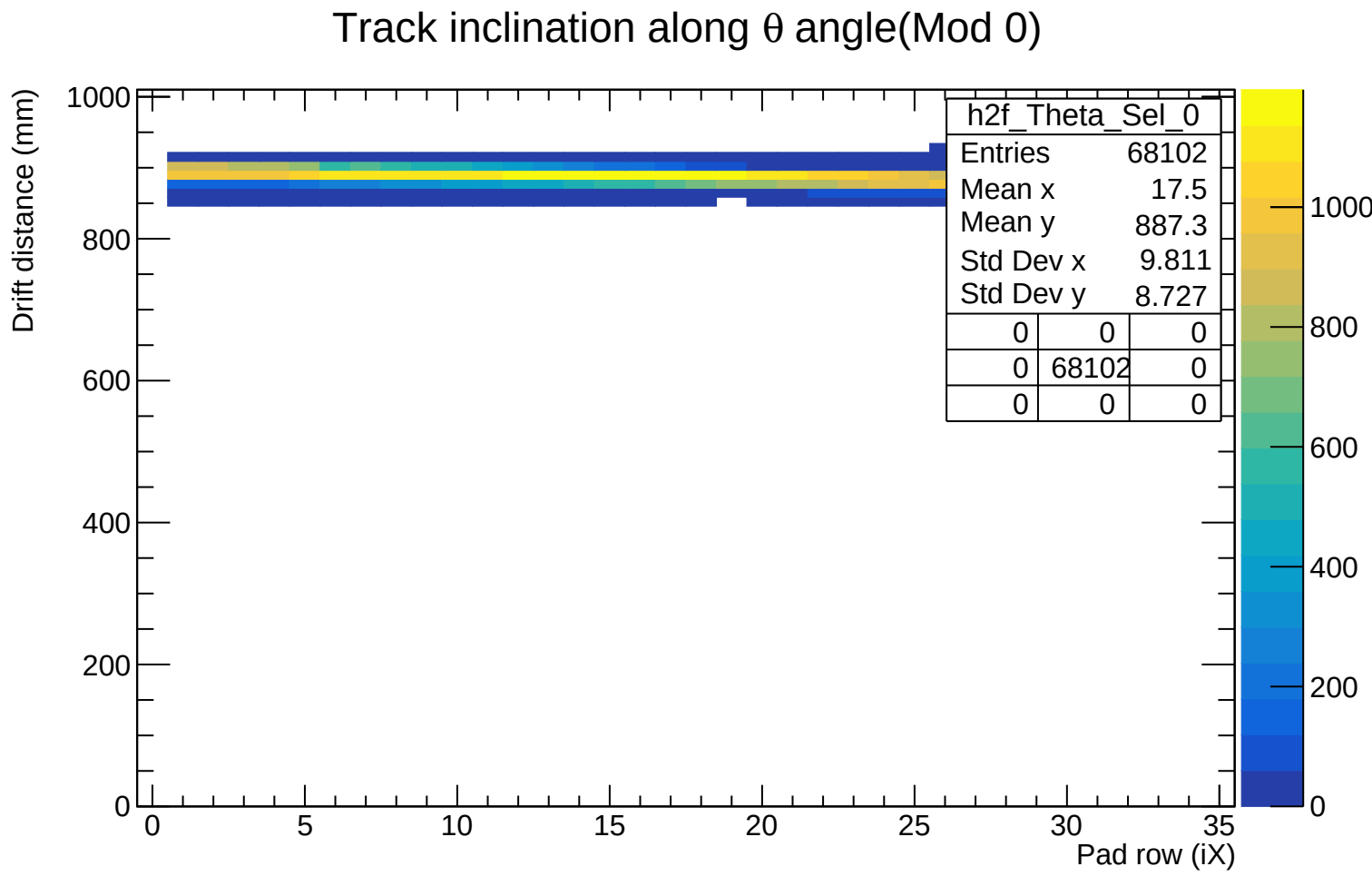

Efficiency : final fraction of events Raw (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
0
5
10
15
20
25
30
35
N cluster minimum
h1f_Eff_Raw_0
Entries 37
Mean 17
Std Dev 10.1
Underflow 0
Overflow 0


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)
h2f_LeadPos_Raw_0
Entries 266194
Mean x 17.5
Mean y 18.43
Std Dev x 9.81
Std Dev y 1.576
0 0 0
0 266194 0
0 0 0
iY
iX
0
5
10
15
20
25
30
35
500
1000
1500
2000
2500
3000


Position of leading pads in ERAM (Mod 0)
h2f_LeadPos_Sel_0
Entries 68102
Mean x 17.5
Mean y 18.54
Std Dev x 9.811
Std Dev y 1.012
0 0 0
0 68102 0
0 0 0
iY
iX
0
5
10
15
20
25
30
35
100
200
300
400
500
600
700
800


Track inclination along θ angle(Mod 0)
Drift distance (mm)
Pad row (iX)
h2f_Theta_Raw_0
Entries 266194
Mean x 17.5
Mean y 882.7
Std Dev x 9.809
Std Dev y 54.12
0 994 0
0 265200 0
0 0 0
0
200
400
600
800
1000
0
5
10
15
20
25
30
35
0
500
1000
1500
2000
2500
3000
3500
4000


Track inclination along θ angle(Mod 0)
Drift distance (mm)
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
Pad row (iX)
h2f_Theta_Sel_0
Entries 68102
Mean x 17.5
Mean y 887.3
Std Dev x 9.811
Std Dev y 8.727
0 0 0
0 68102 0
0 0 0
1000
800
600
400
200
0