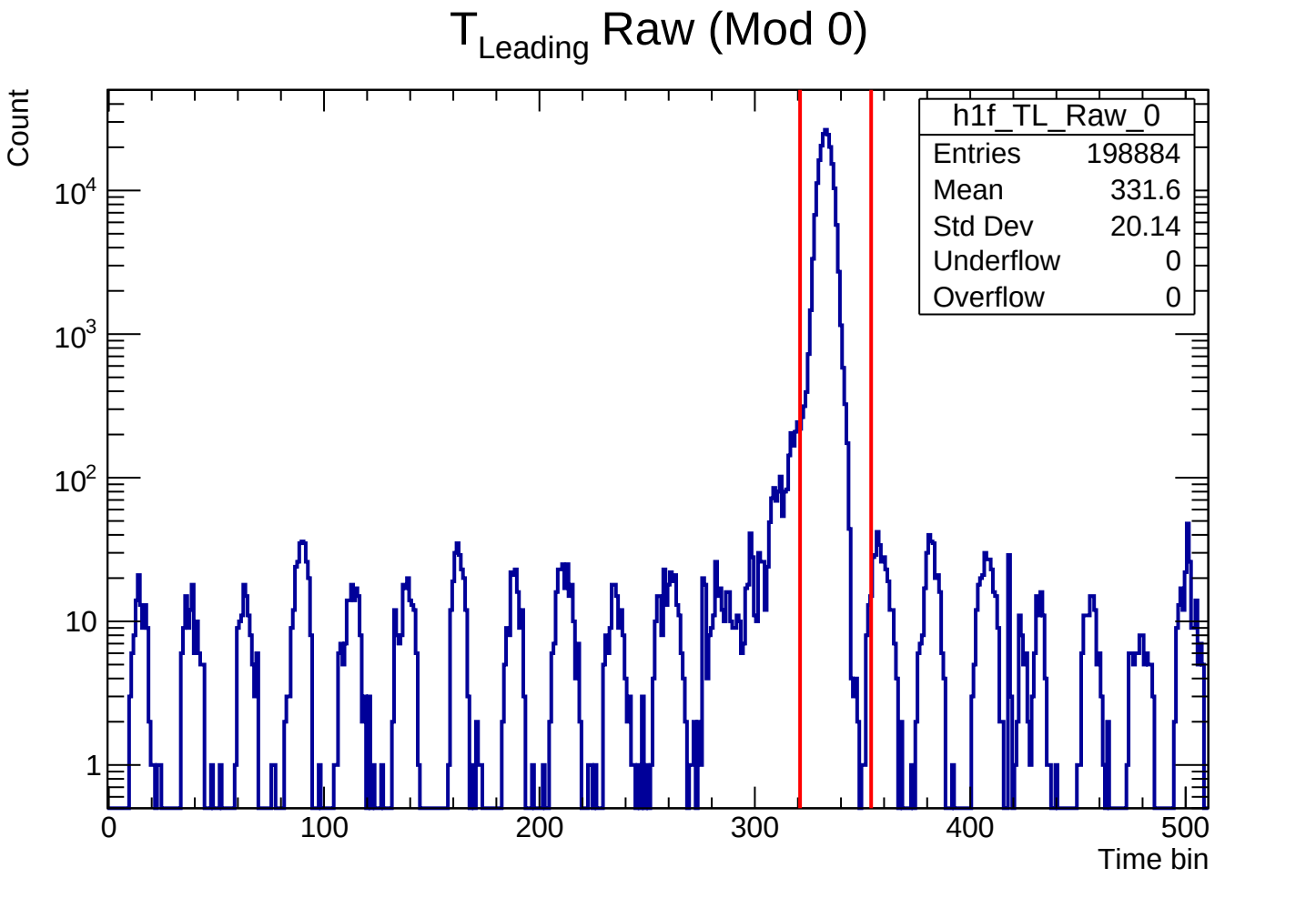
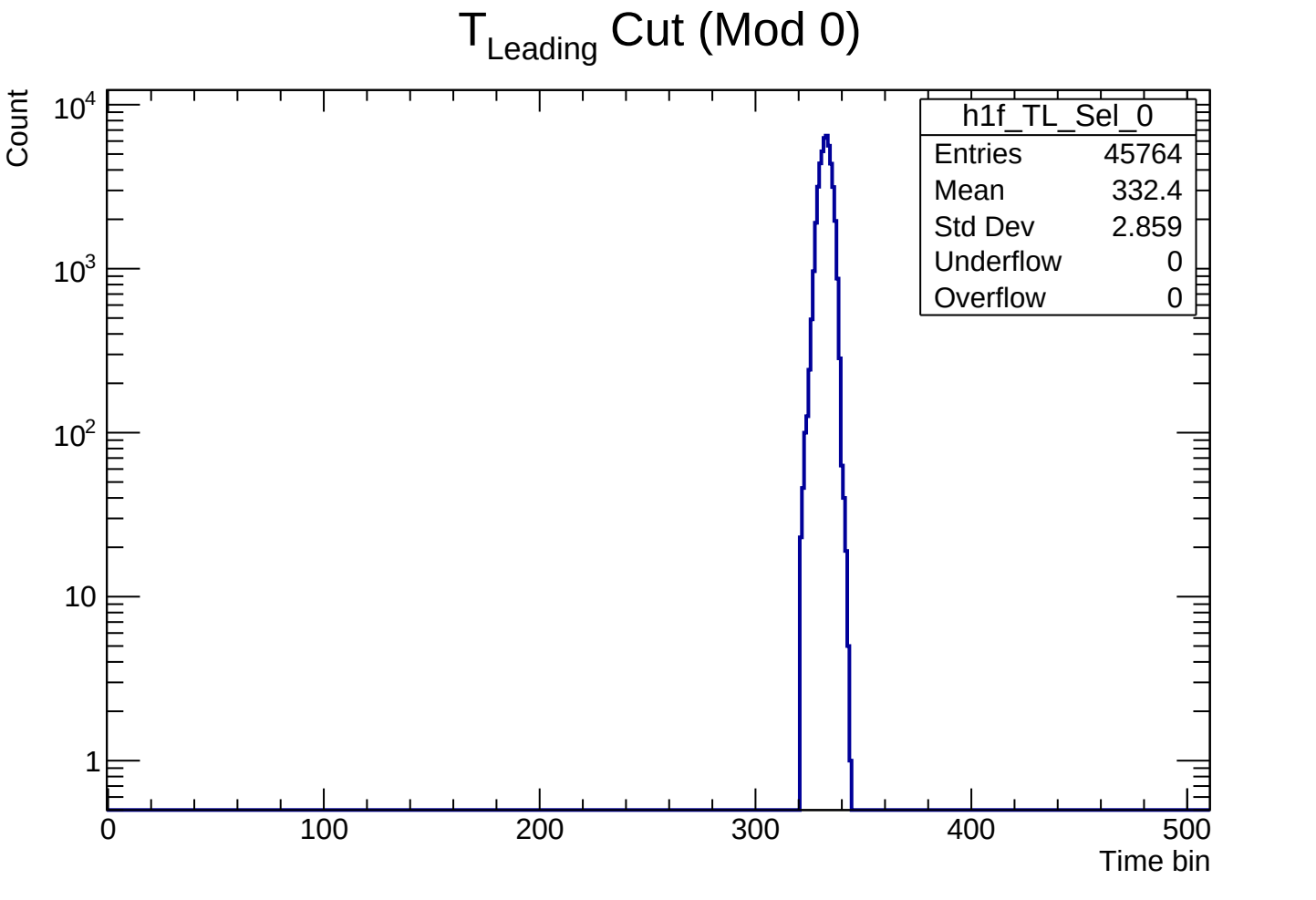
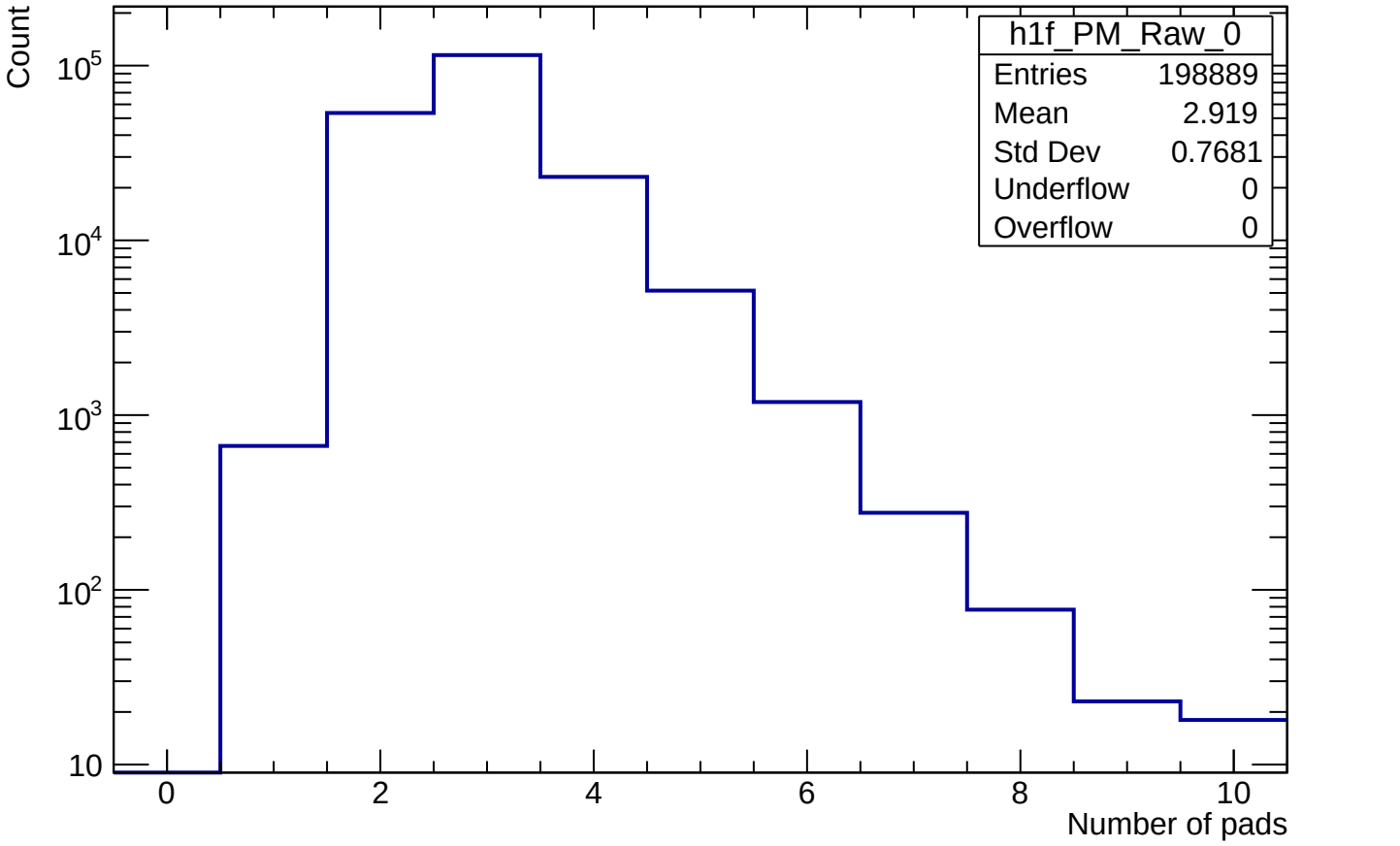
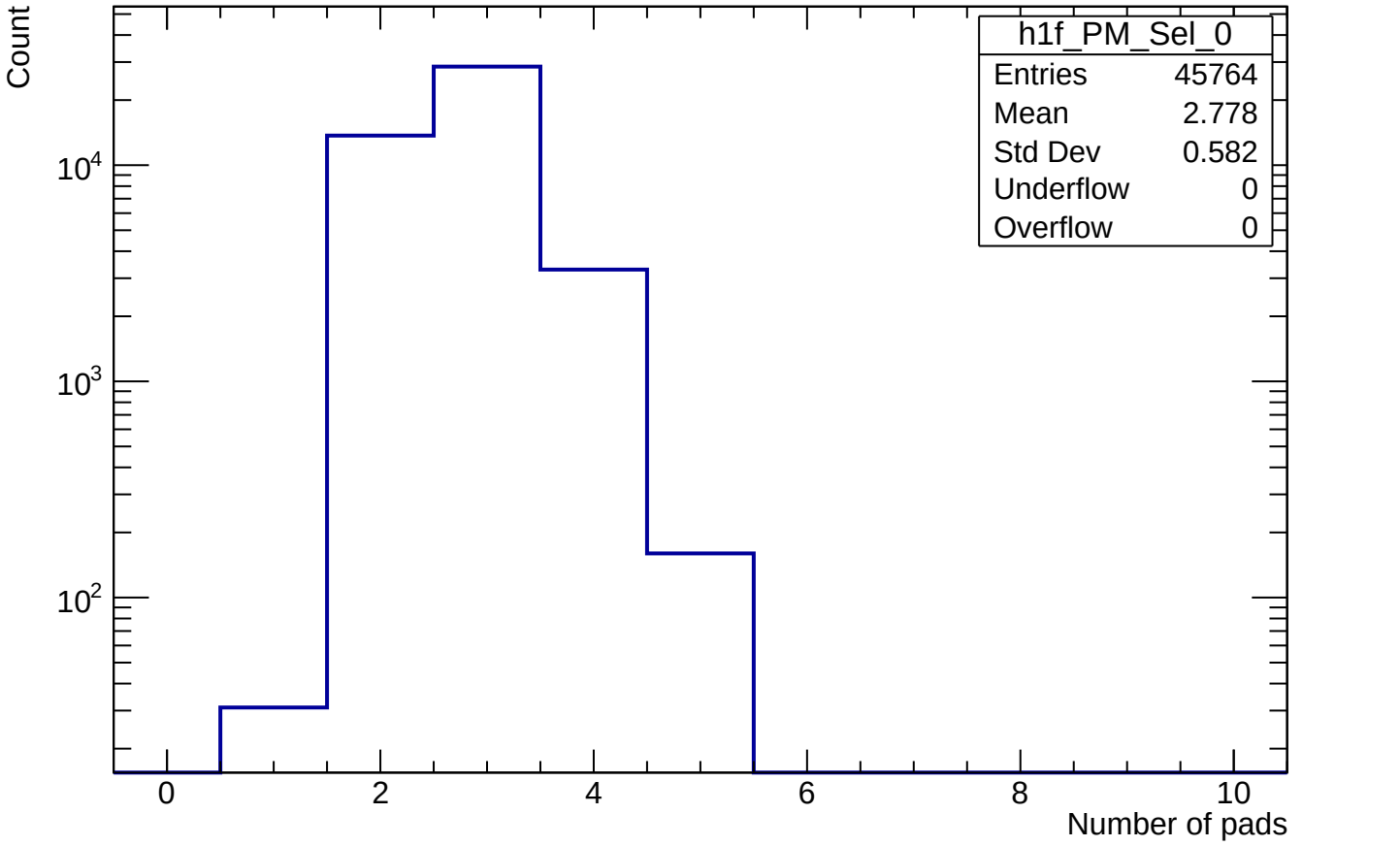
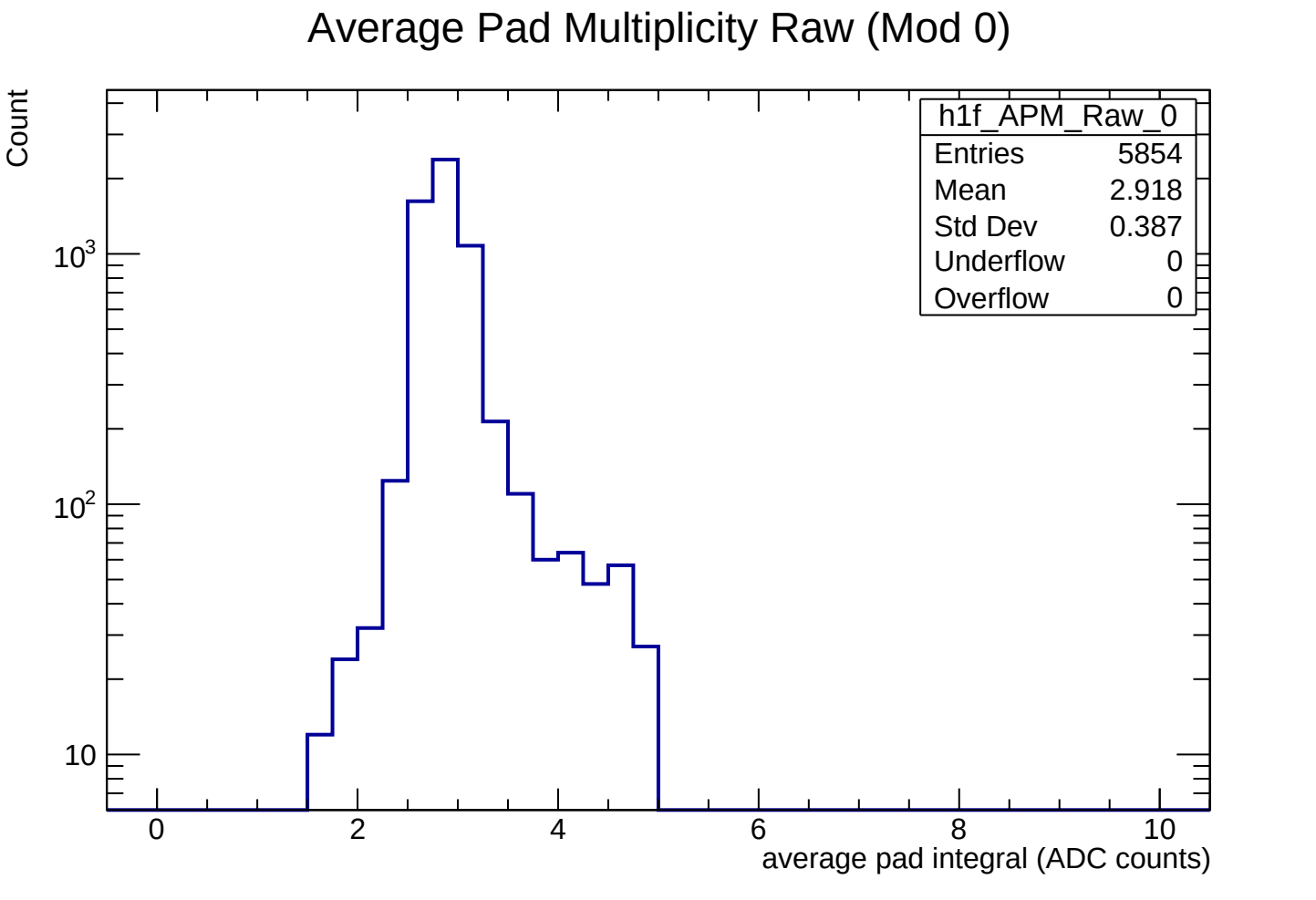

T Leading Raw (Mod 0)
Count
h1f_TL_Raw_0
Entries 198884
Mean 331.6
Std Dev 20.14
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
100
200
300
400
500
Time bin

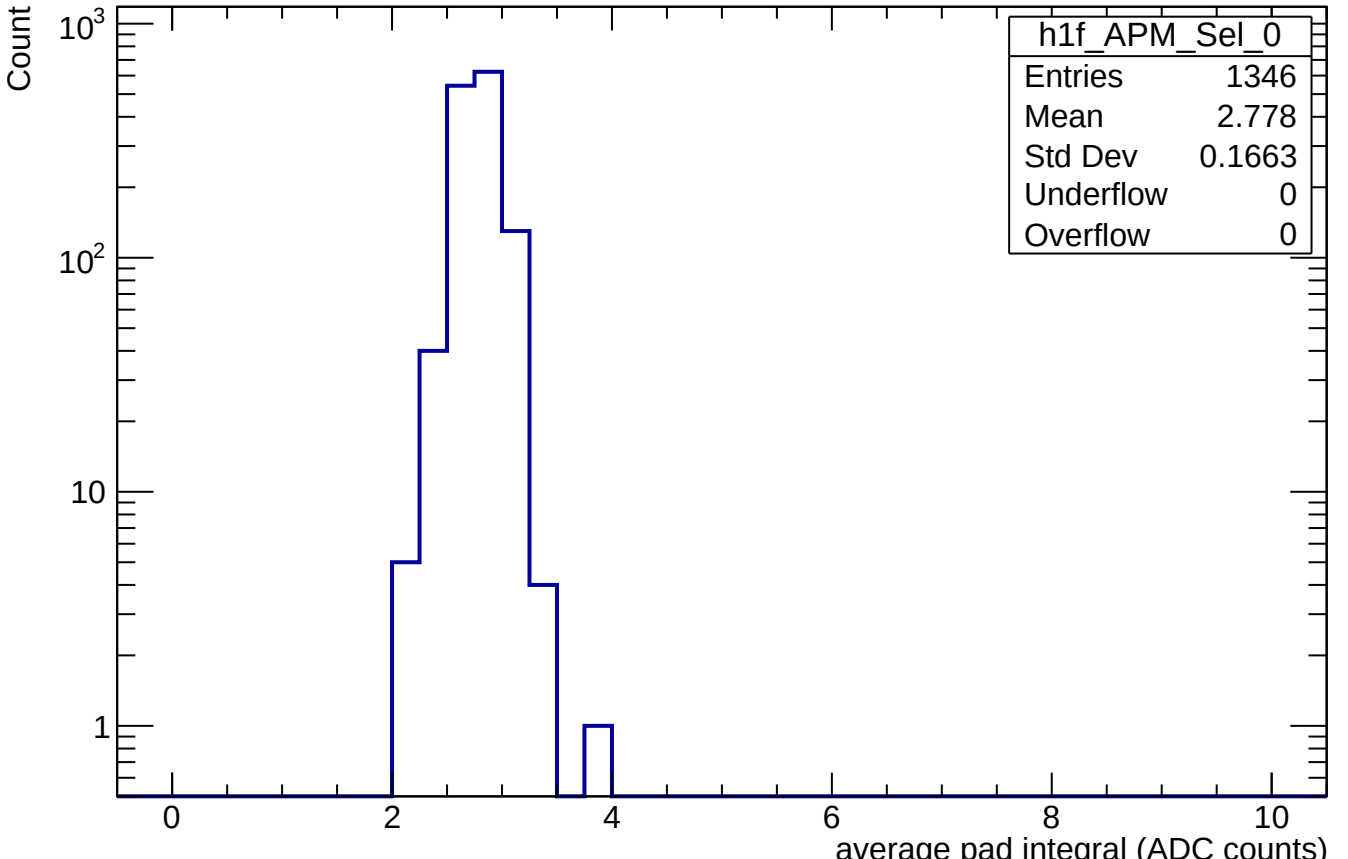

T Leading Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
Time bin
h1f_TL_Sel_0
Entries 45764
Mean 332.4
Std Dev 2.859
Underflow 0
Overflow 0

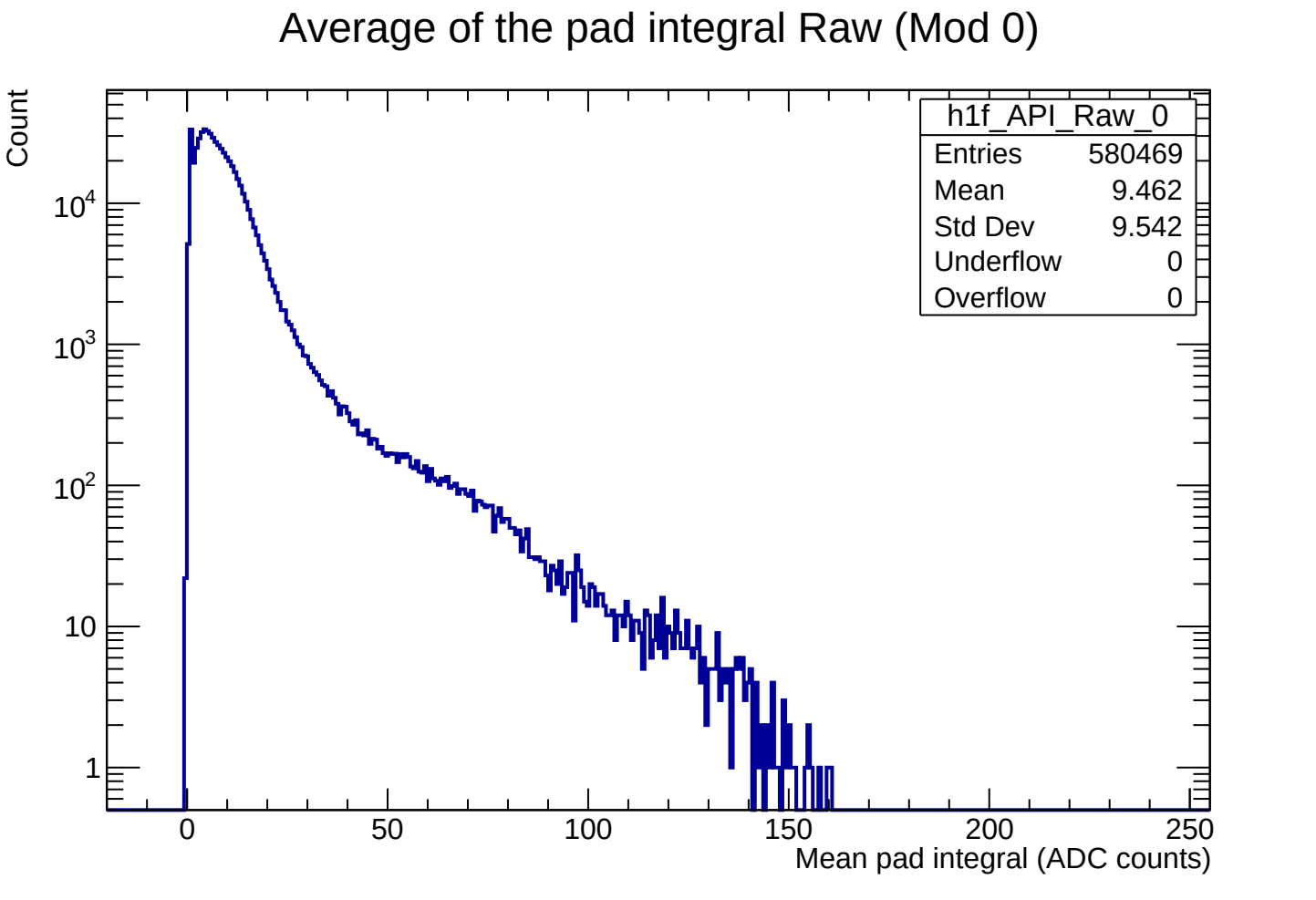

Pad Multiplicity Raw (Mod 0)
h1f_PM_Raw_0
Entries 198889
Mean 2.919
Std Dev 0.7681
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
10^2
10
0
2
4
6
8
10
Number of pads

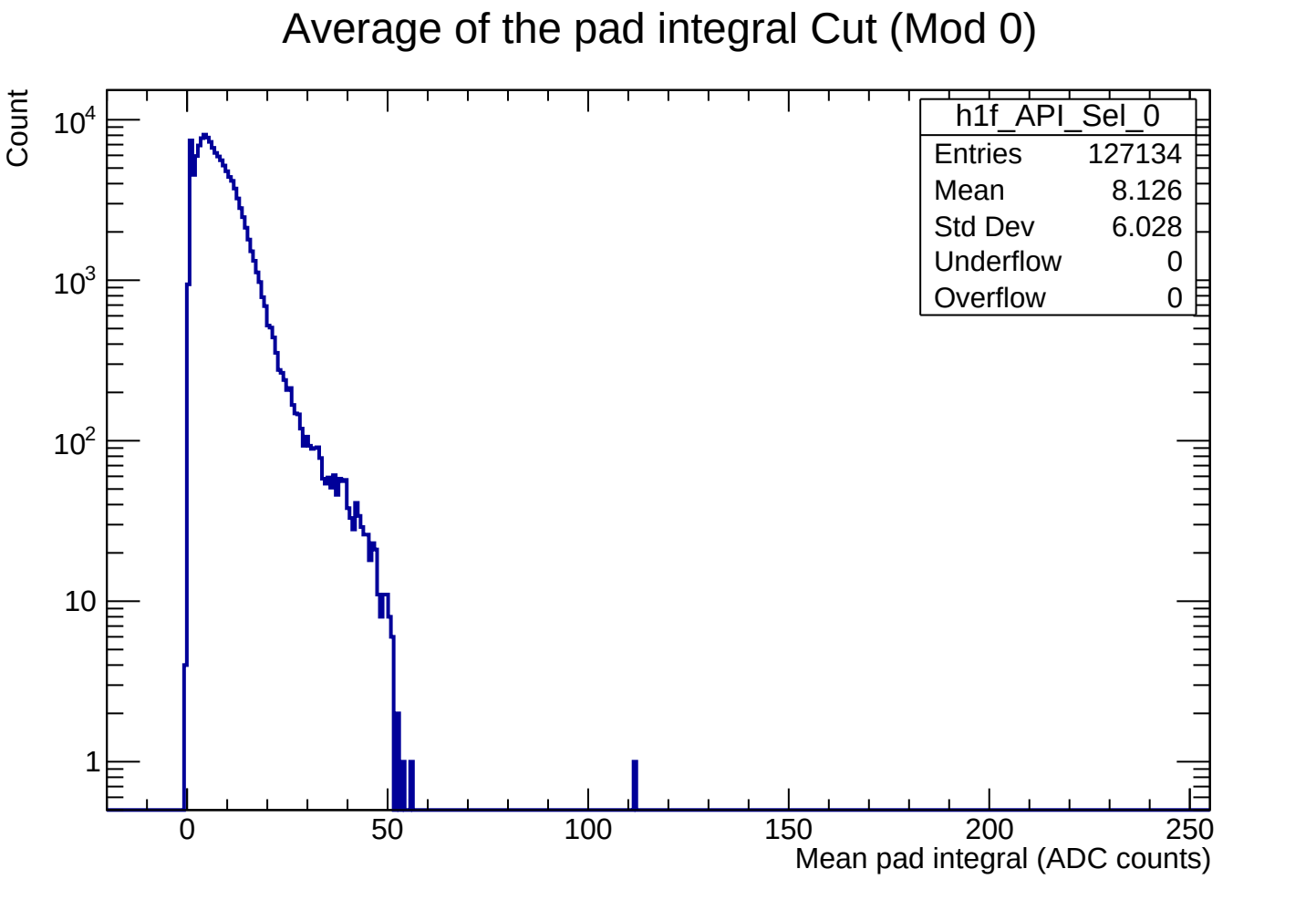

Pad Multiplicity Cut (Mod 0)
Count
10^4
10^3
10^2
0
2
4
6
8
10
Number of pads
h1f_PM_Sel_0
Entries 45764
Mean 2.778
Std Dev 0.582
Underflow 0
Overflow 0

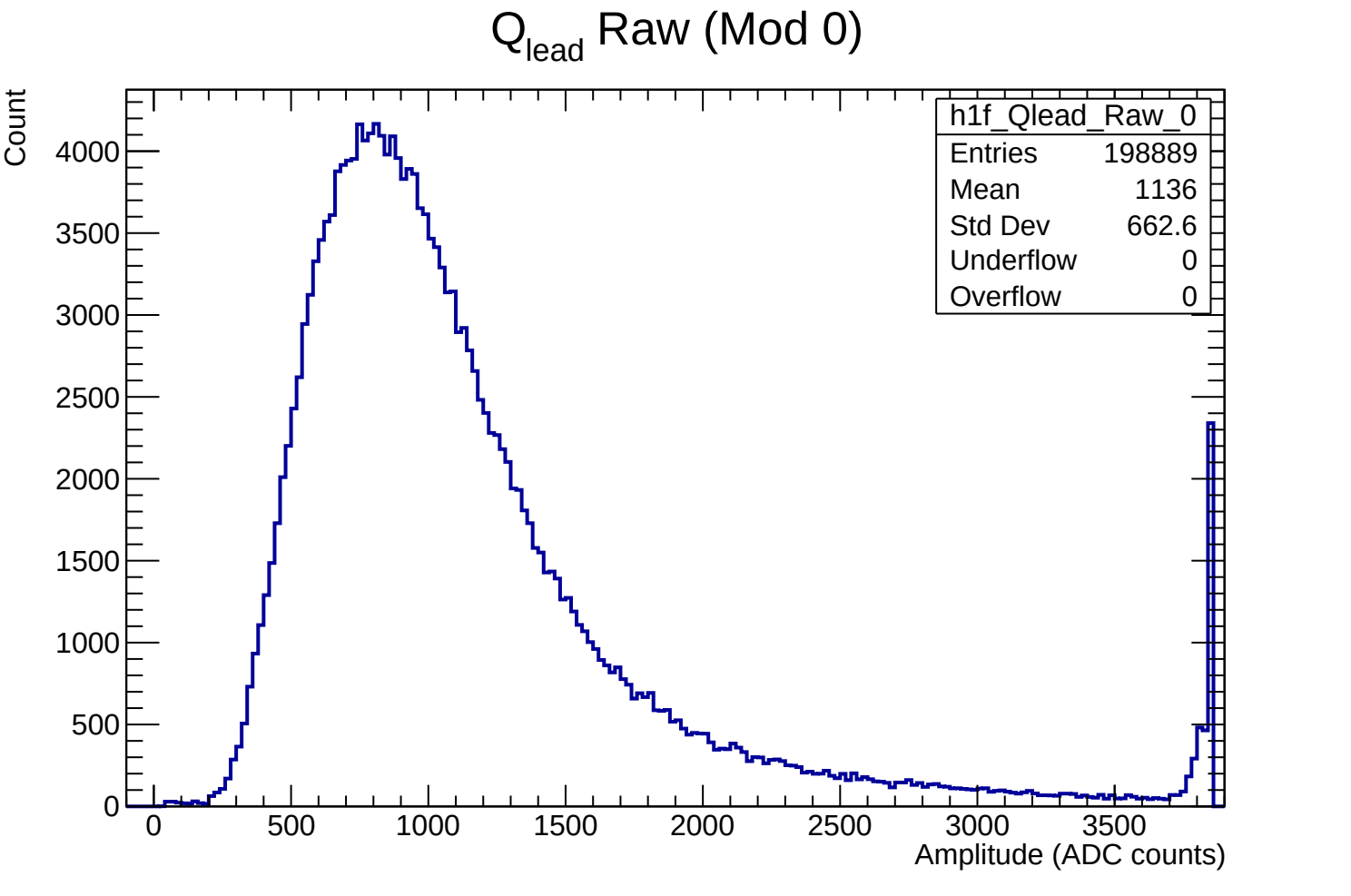

Average Pad Multiplicity Raw (Mod 0)
Count
10^3
10^2
10
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Raw_0
Entries 5854
Mean 2.918
Std Dev 0.387
Underflow 0
Overflow 0

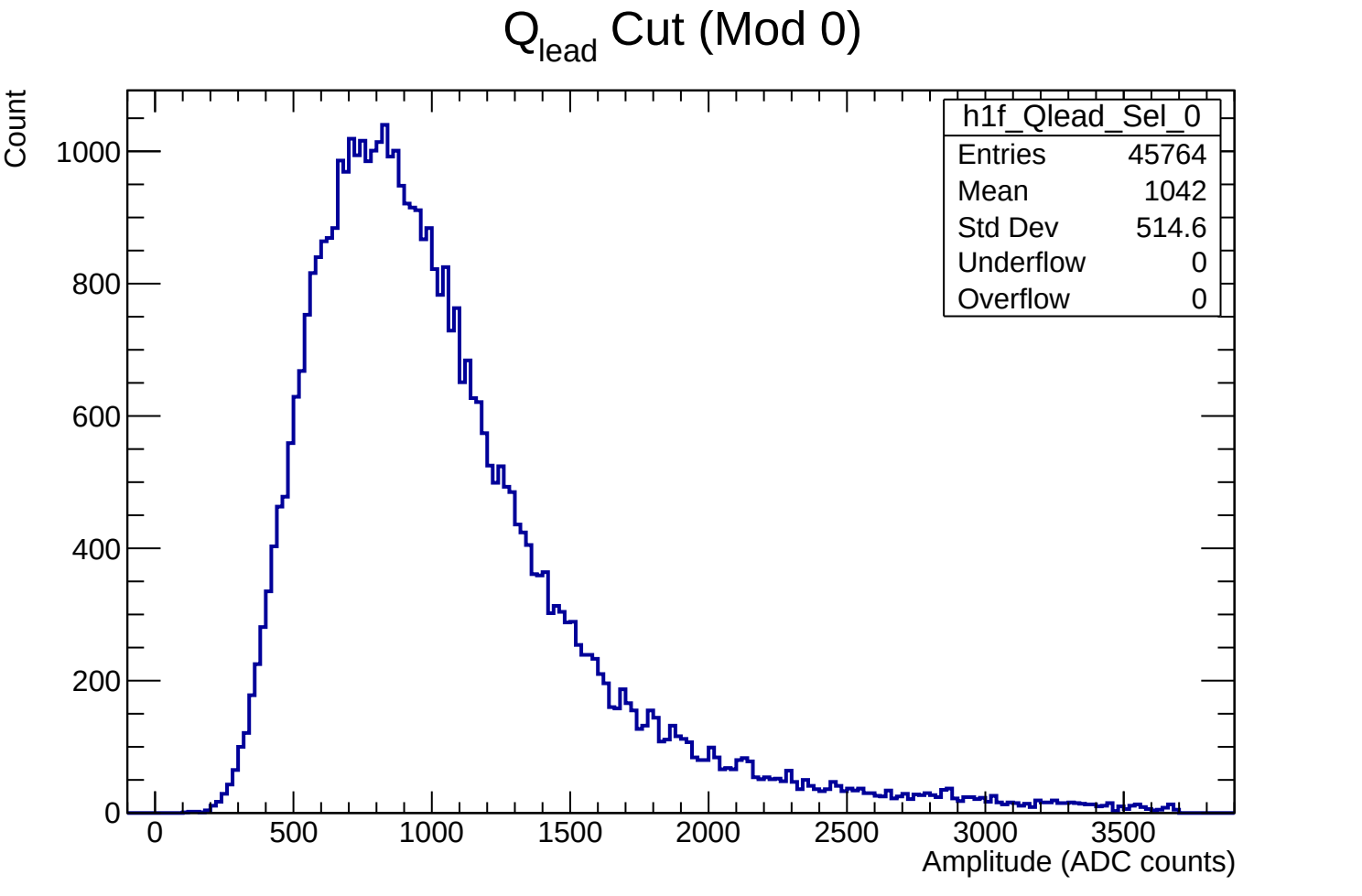
Average Pad Multiplicity Cut (Mod 0)

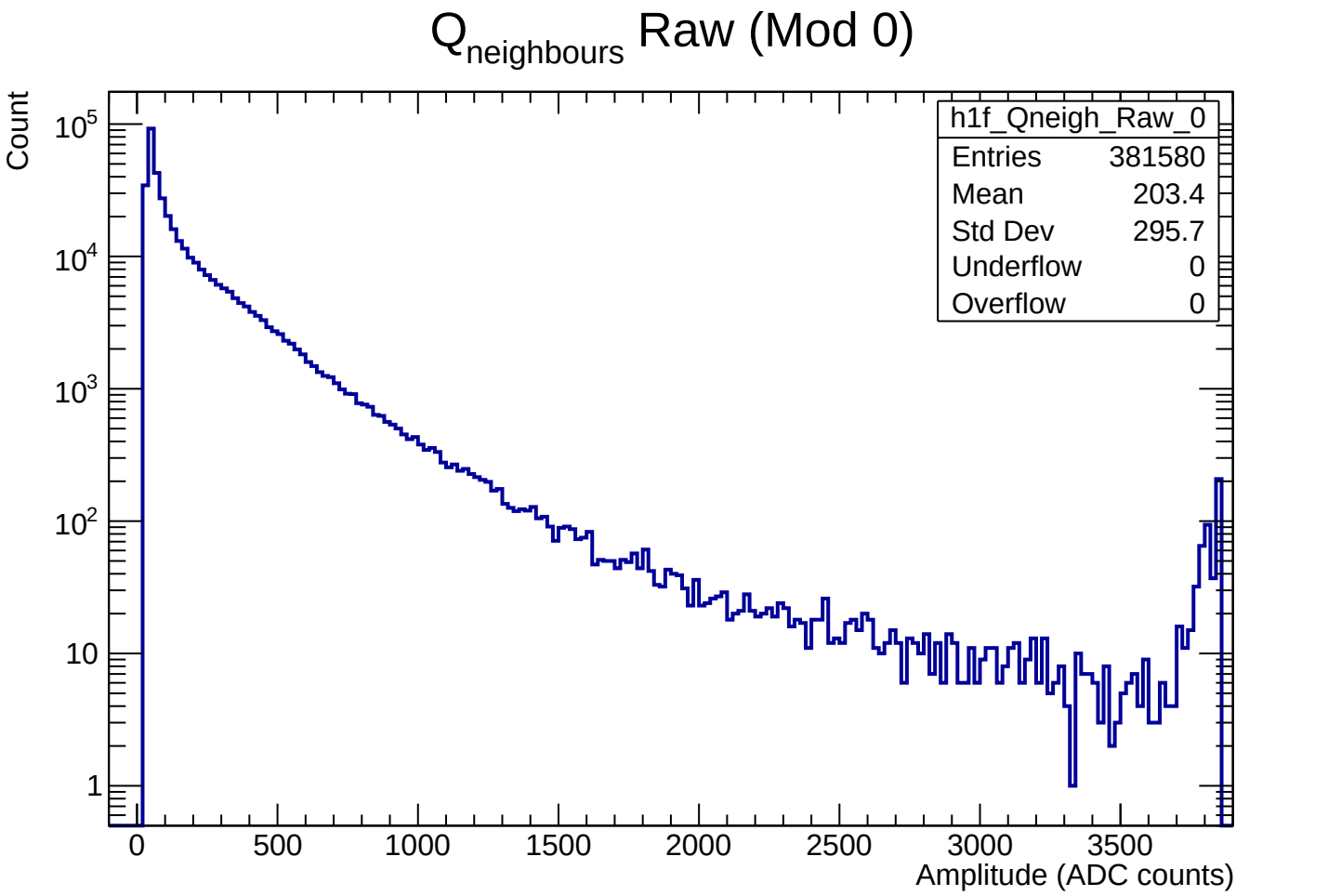


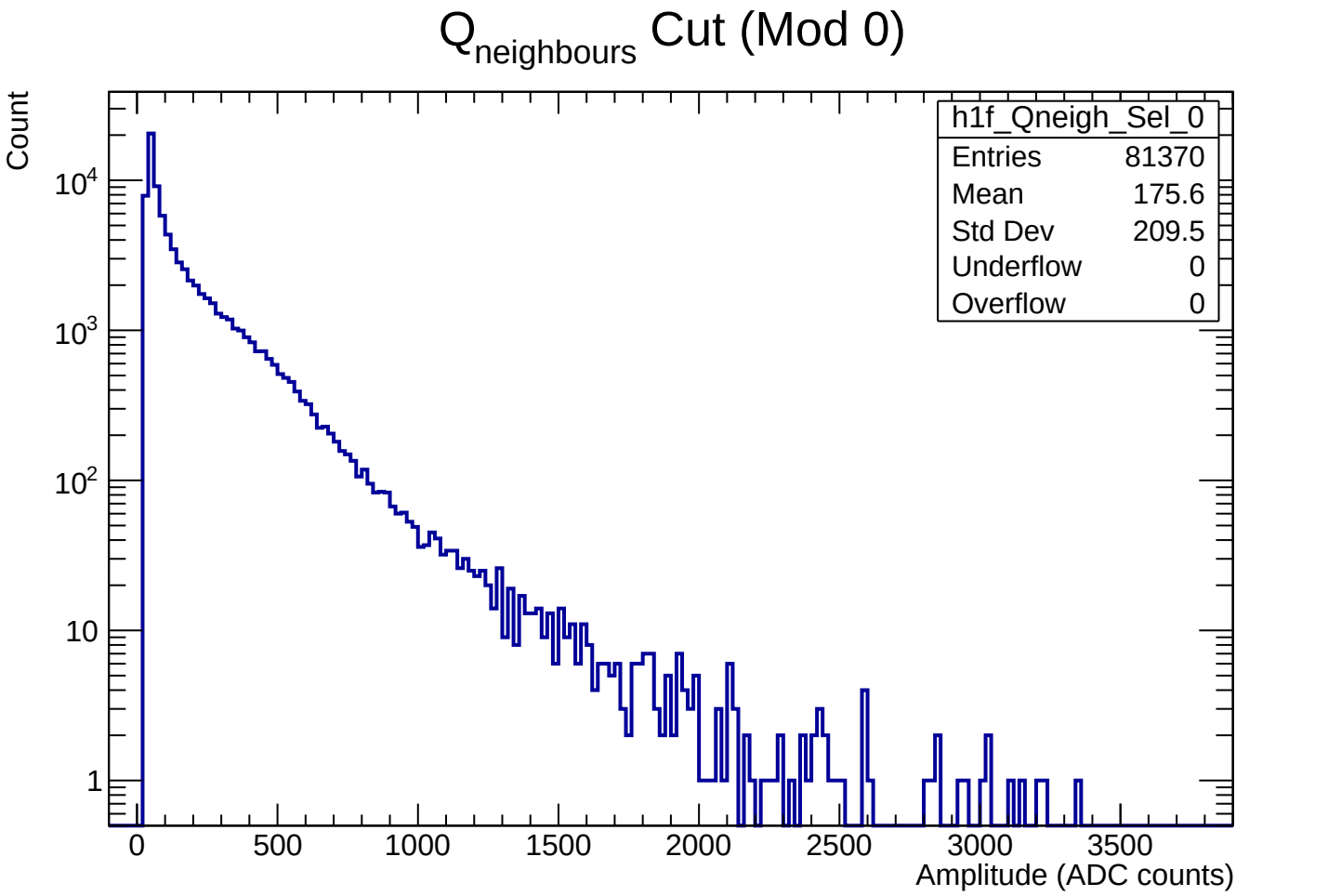

Average of the pad integral Raw (Mod 0)
Count
h1f_API_Raw_0
Entries 580469
Mean 9.462
Std Dev 9.542
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)

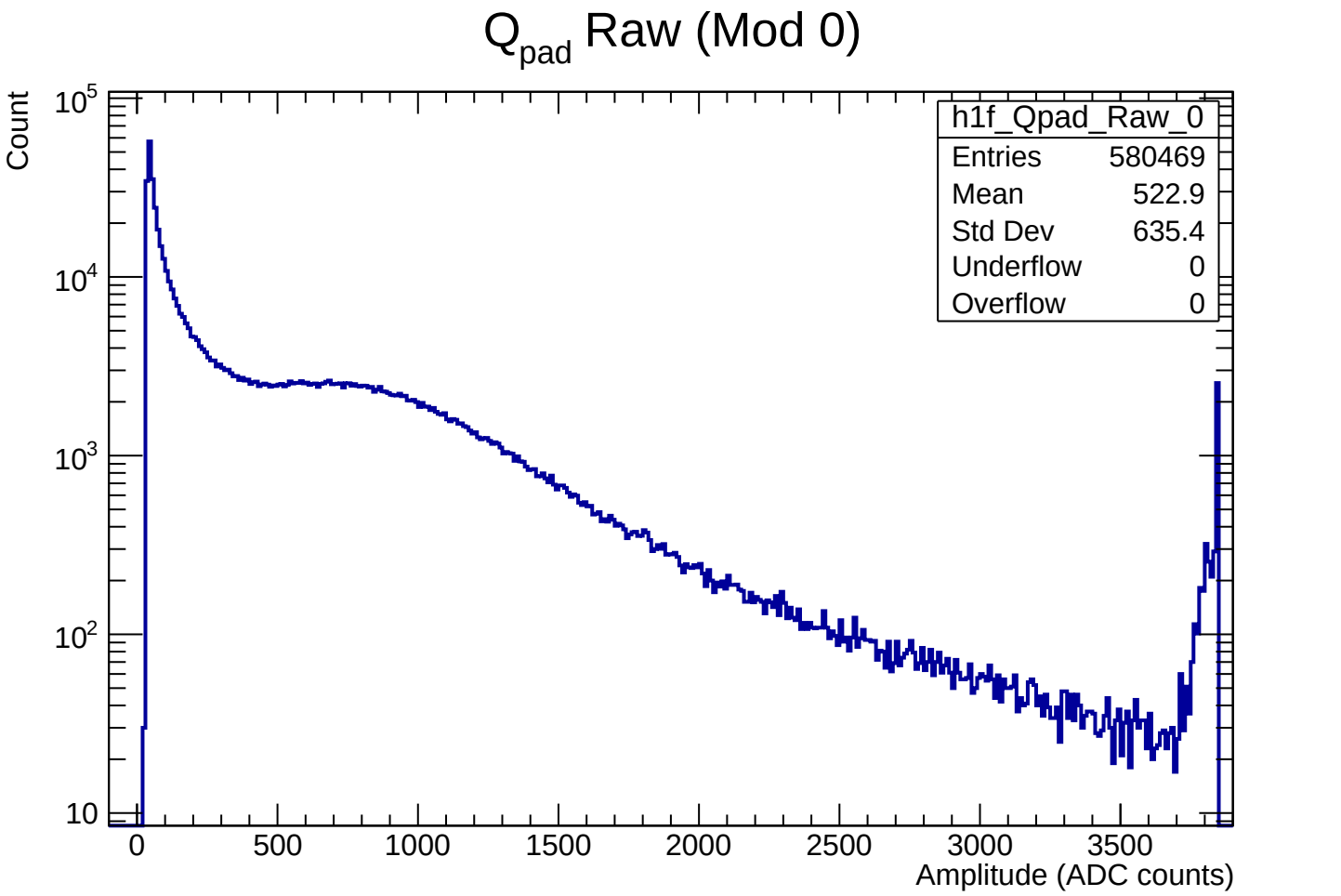

Average of the pad integral Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)
h1f_API_Sel_0
Entries 127134
Mean 8.126
Std Dev 6.028
Underflow 0
Overflow 0

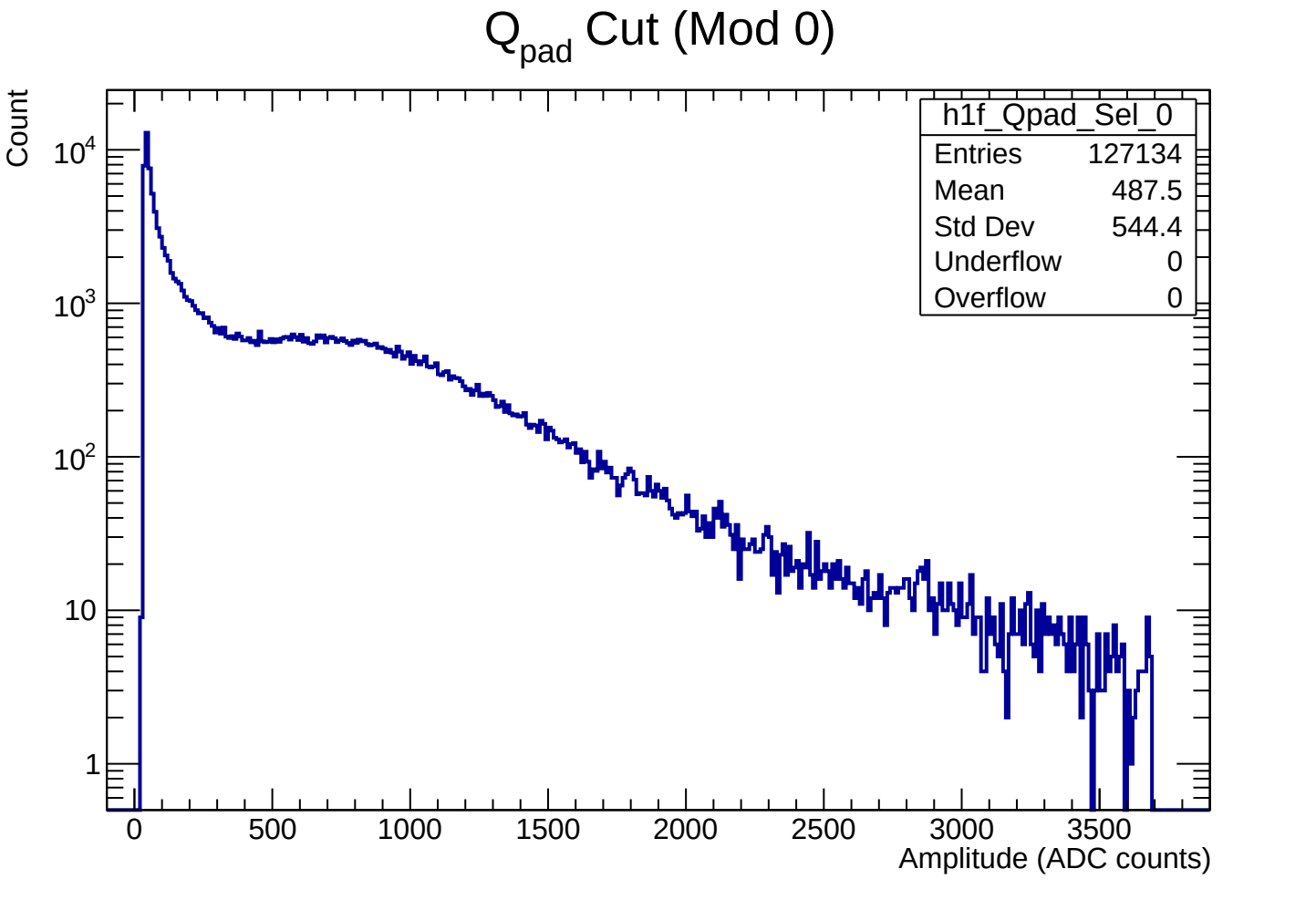

Q_{lead} Raw (Mod 0)
Count
h1f_Qlead_Raw_0
Entries 198889
Mean 1136
Std Dev 662.6
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
4000
Amplitude (ADC counts)

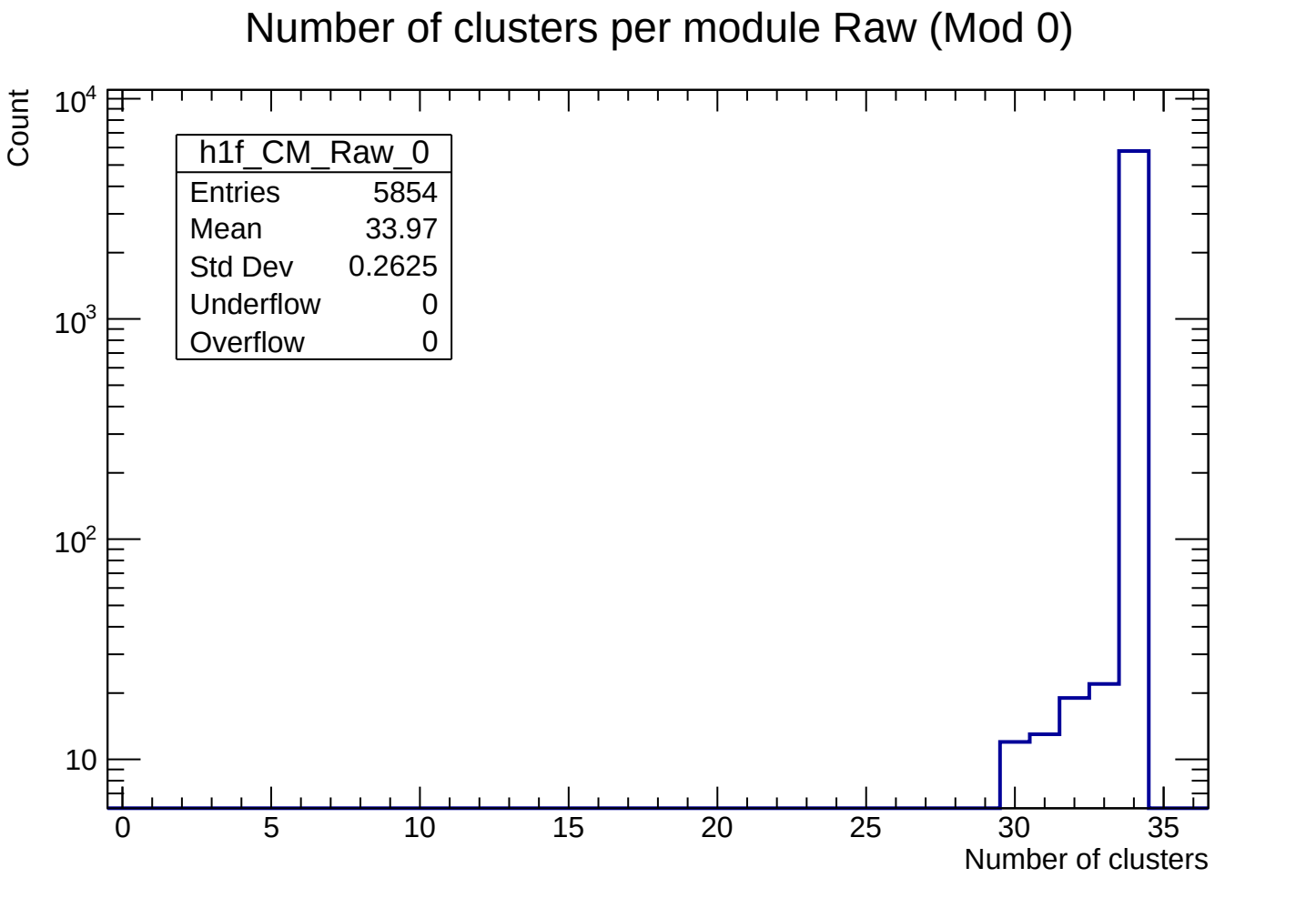

Q_{lead} Cut (Mod 0)
Count
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qlead_Sel_0
Entries 45764
Mean 1042
Std Dev 514.6
Underflow 0
Overflow 0

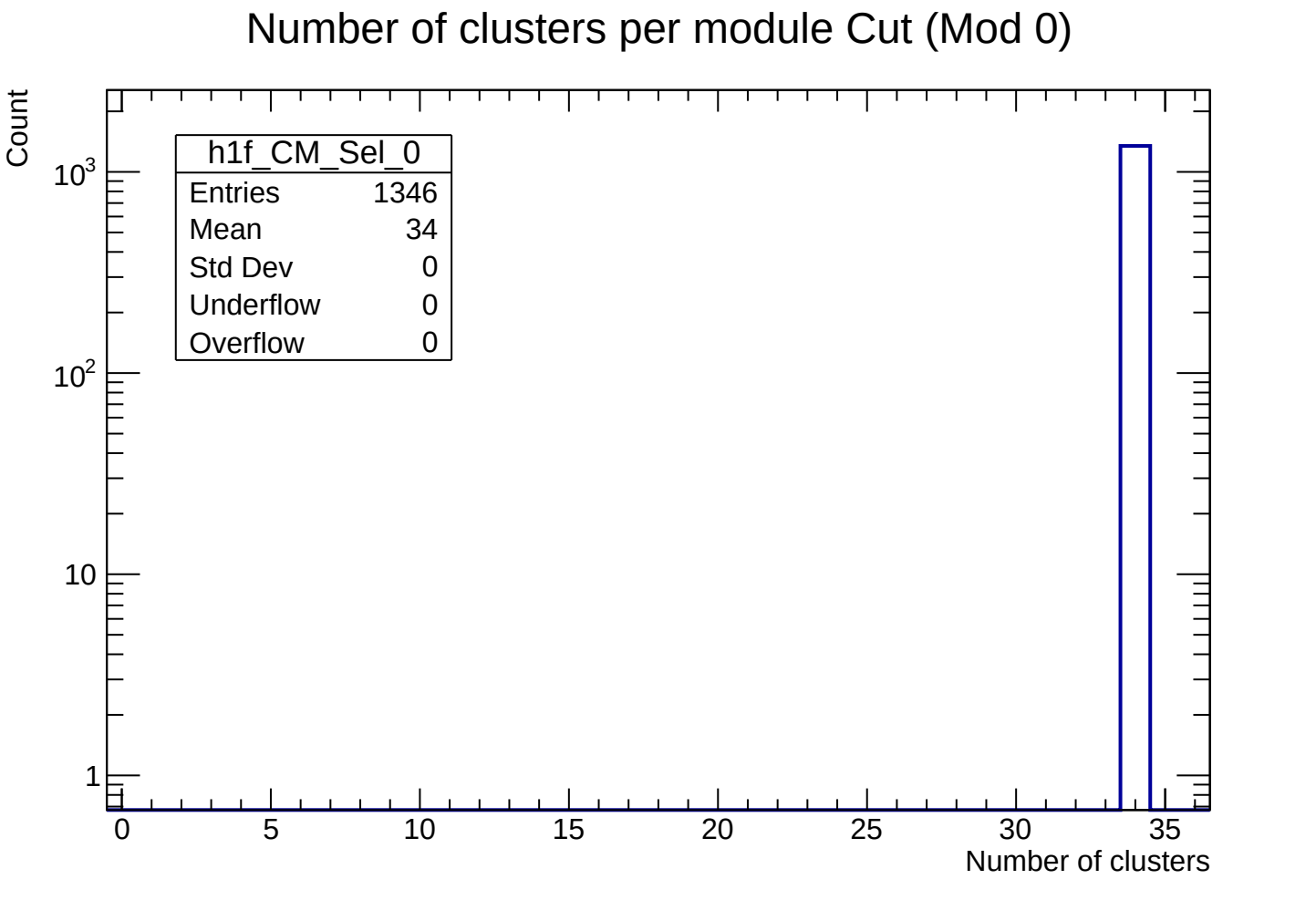

$Q_{neighbours}$ Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Raw_0
Entries 381580
Mean 203.4
Std Dev 295.7
Underflow 0
Overflow 0

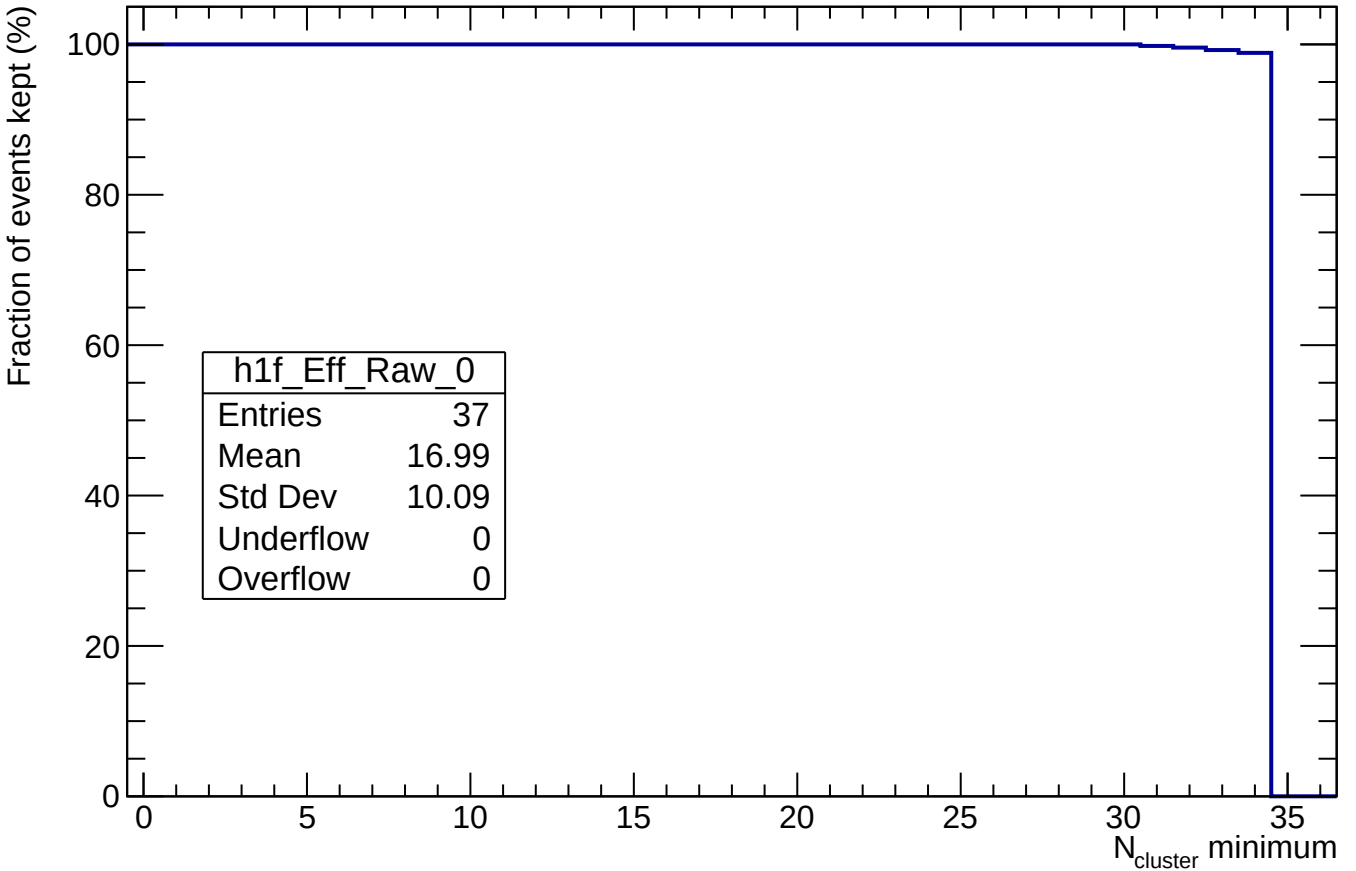

$Q_{neighbours}$ Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Sel_0
Entries 81370
Mean 175.6
Std Dev 209.5
Underflow 0
Overflow 0

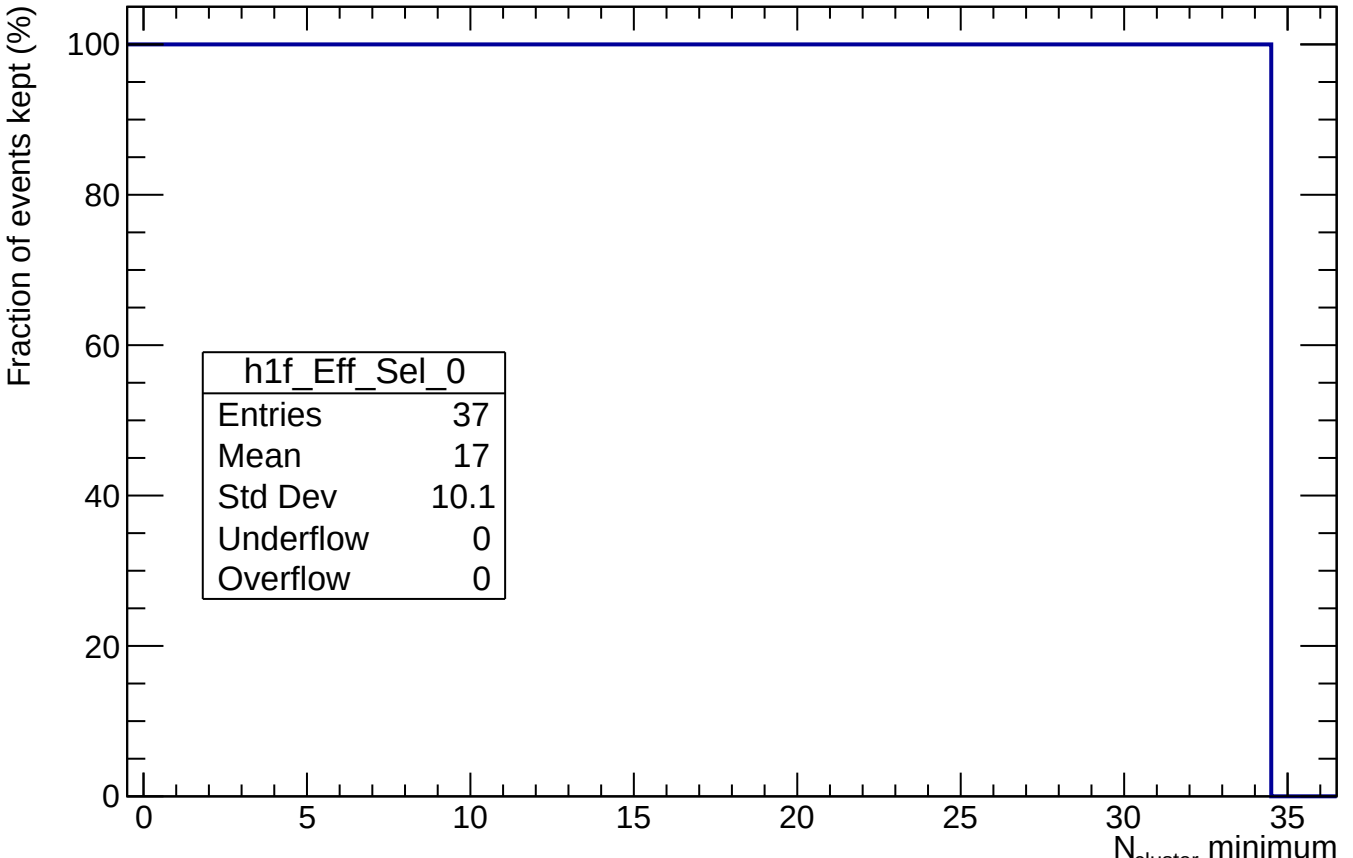

Q_{pad} Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qpad_Raw_0
Entries 580469
Mean 522.9
Std Dev 635.4
Underflow 0
Overflow 0

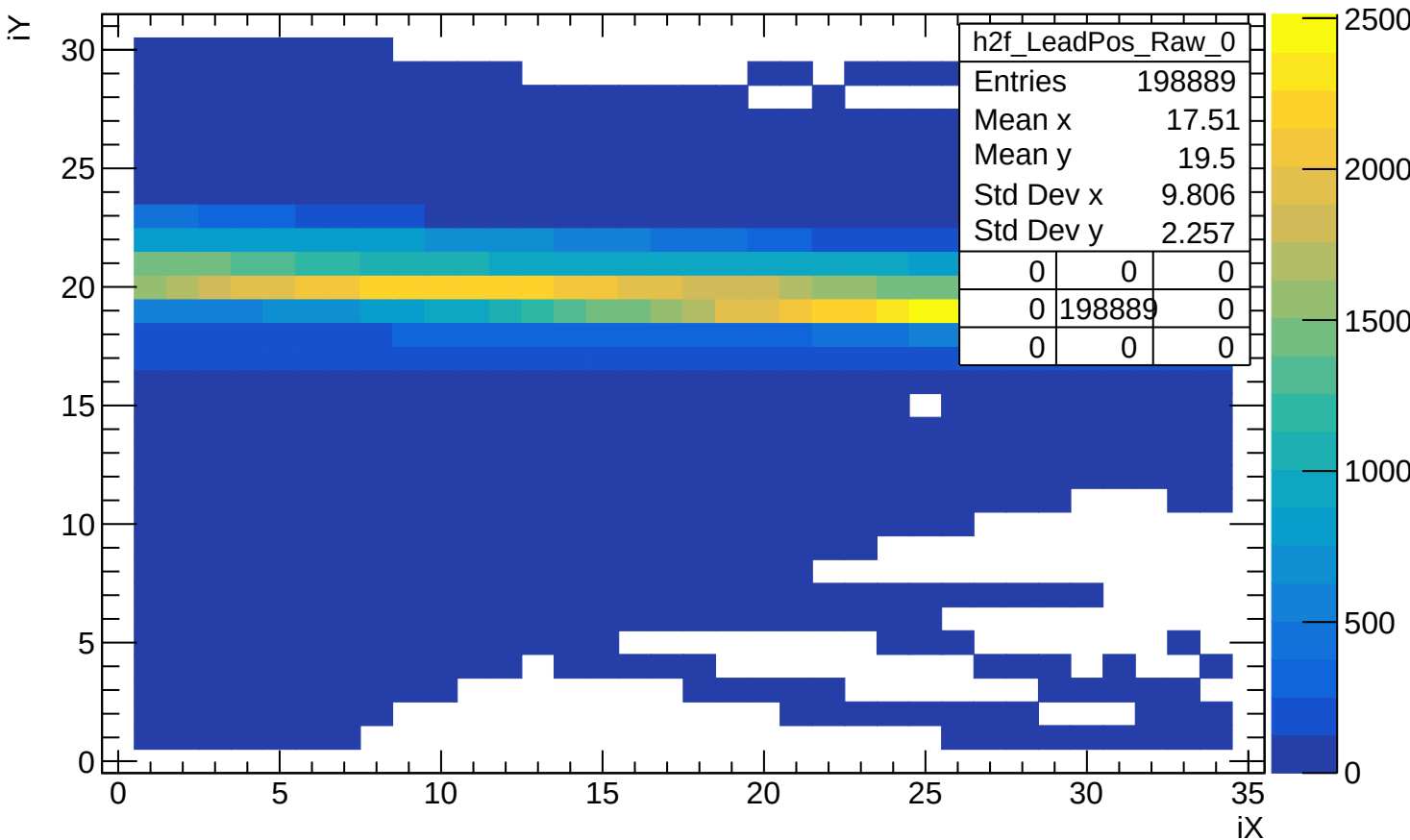

Q_{pad} Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qpad_Sel_0
Entries 127134
Mean 487.5
Std Dev 544.4
Underflow 0
Overflow 0

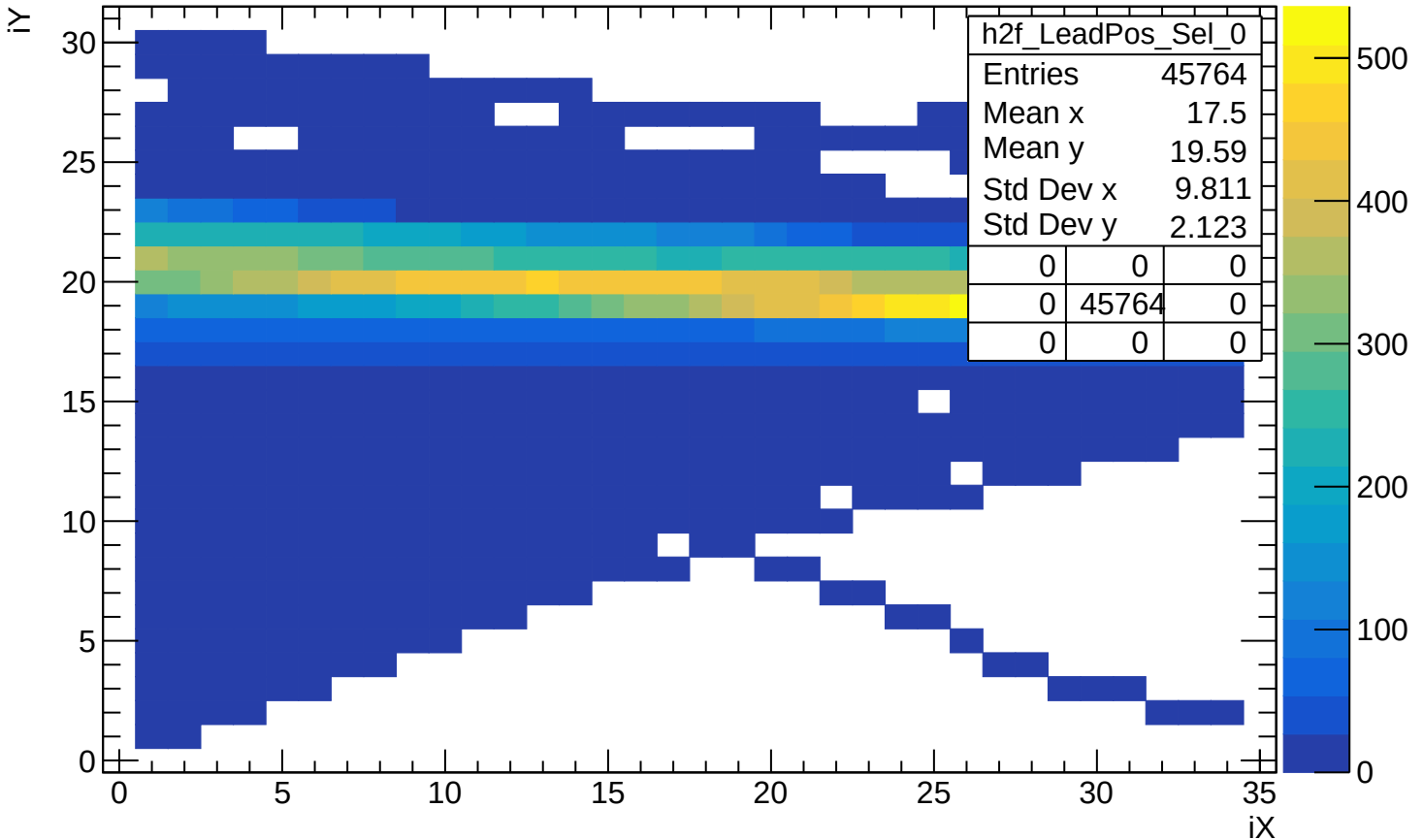

Number of clusters per module Raw (Mod 0)
Count
h1f_CM_Raw_0
Entries 5854
Mean 33.97
Std Dev 0.2625
Underflow 0
Overflow 0
10^4
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

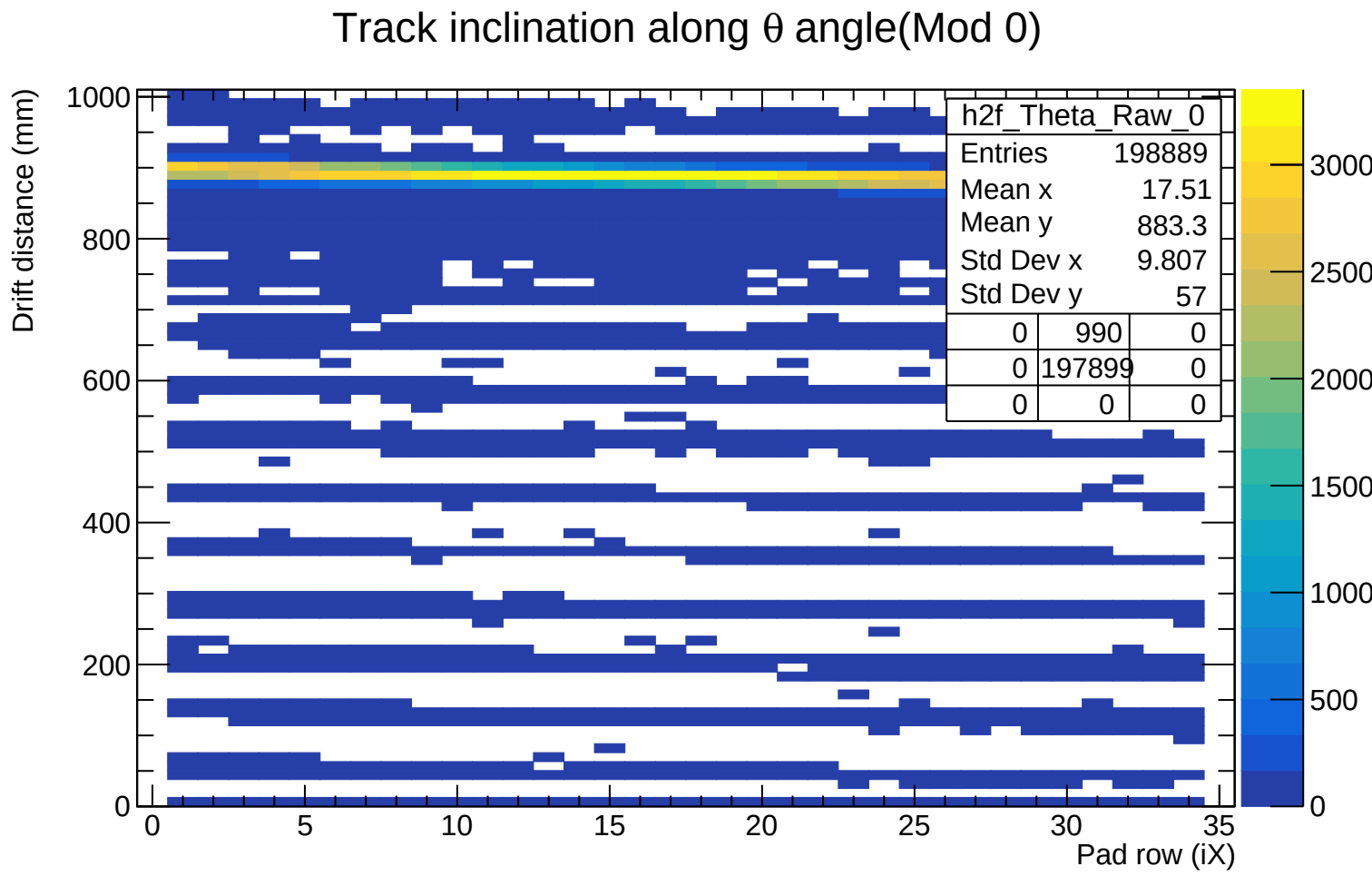

Number of clusters per module Cut (Mod 0)
h1f_CM_Sel_0
Entries 1346
Mean 34
Std Dev 0
Underflow 0
Overflow 0
Count
10^3
10^2
10
1
0
5
10
15
20
25
30
35
Number of clusters

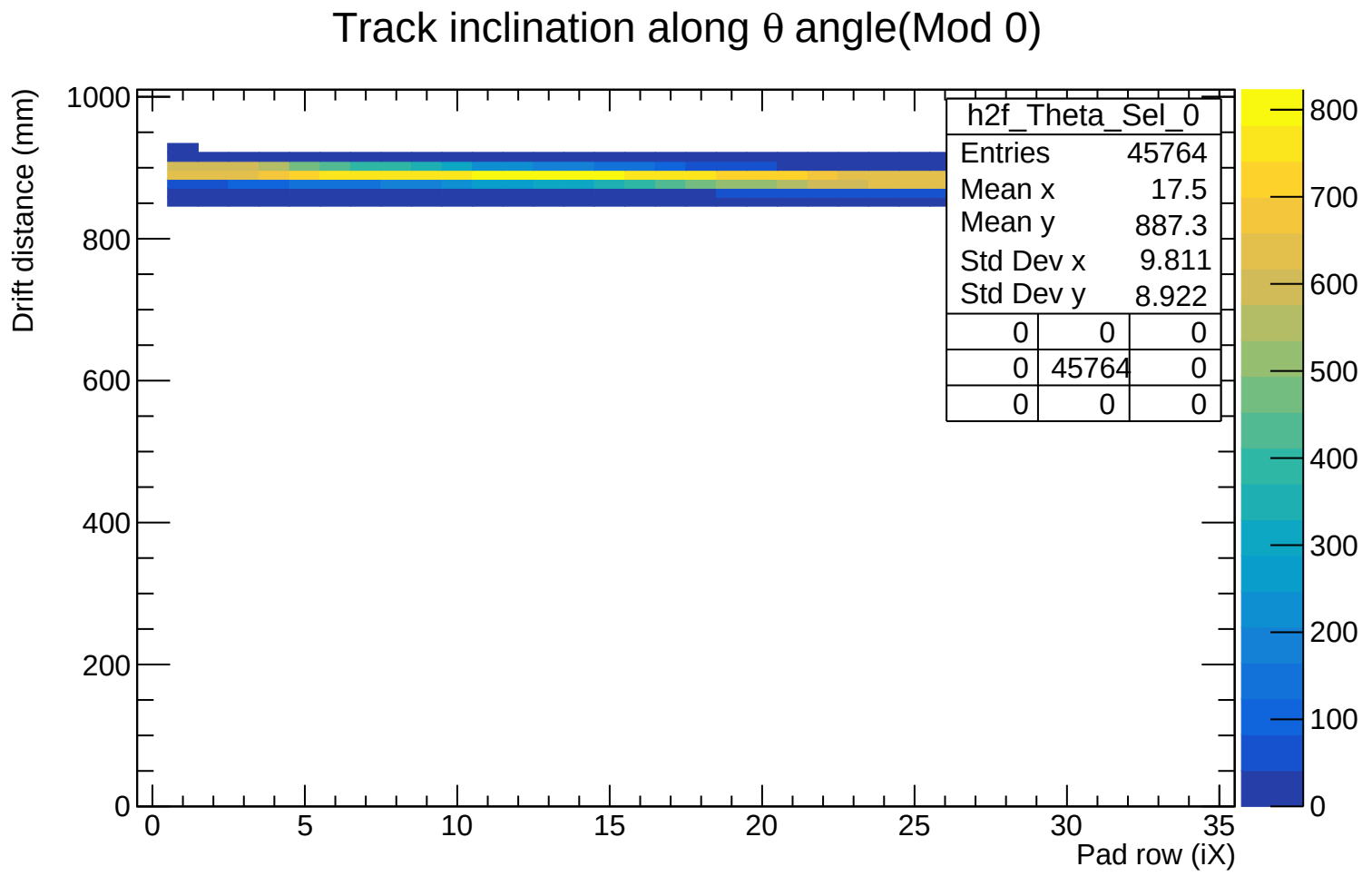

Efficiency : final fraction of events Raw (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
0
5
10
15
20
25
30
35
N cluster minimum
h1f_Eff_Raw_0
Entries 37
Mean 16.99
Std Dev 10.09
Underflow 0
Overflow 0


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 198889
Mean x 17.51
Mean y 19.5
Std Dev x 9.806
Std Dev y 2.257
0 0 0
0 198889 0
0 0 0
0
5
10
15
20
25
30
35
500
1000
1500
2000
2500


Position of leading pads in ERAM (Mod 0)
iY
iX
h2f_LeadPos_Sel_0
Entries 45764
Mean x 17.5
Mean y 19.59
Std Dev x 9.811
Std Dev y 2.123
0 0 0
0 45764 0
0 0 0
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30
0 100 200 300 400 500


Track inclination along θ angle(Mod 0)
Drift distance (mm)
Pad row (iX)
h2f_Theta_Raw_0
Entries 198889
Mean x 17.51
Mean y 883.3
Std Dev x 9.807
Std Dev y 57
0 990 0
0 197899 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


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)
800
700
600
500
400
300
200
100
0
h2f_Theta_Sel_0
Entries 45764
Mean x 17.5
Mean y 887.3
Std Dev x 9.811
Std Dev y 8.922
0 0 0
0 45764 0
0 0 0