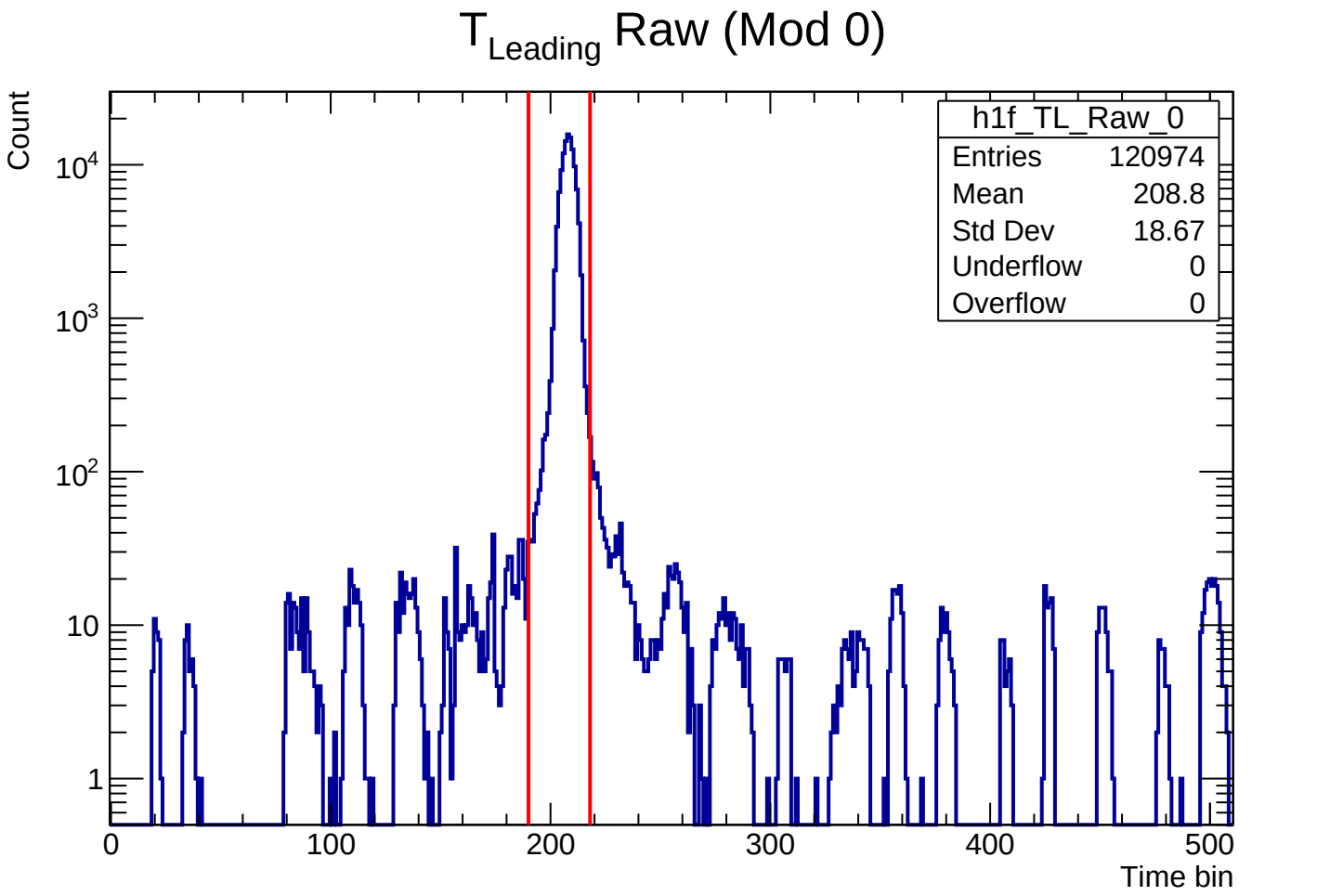
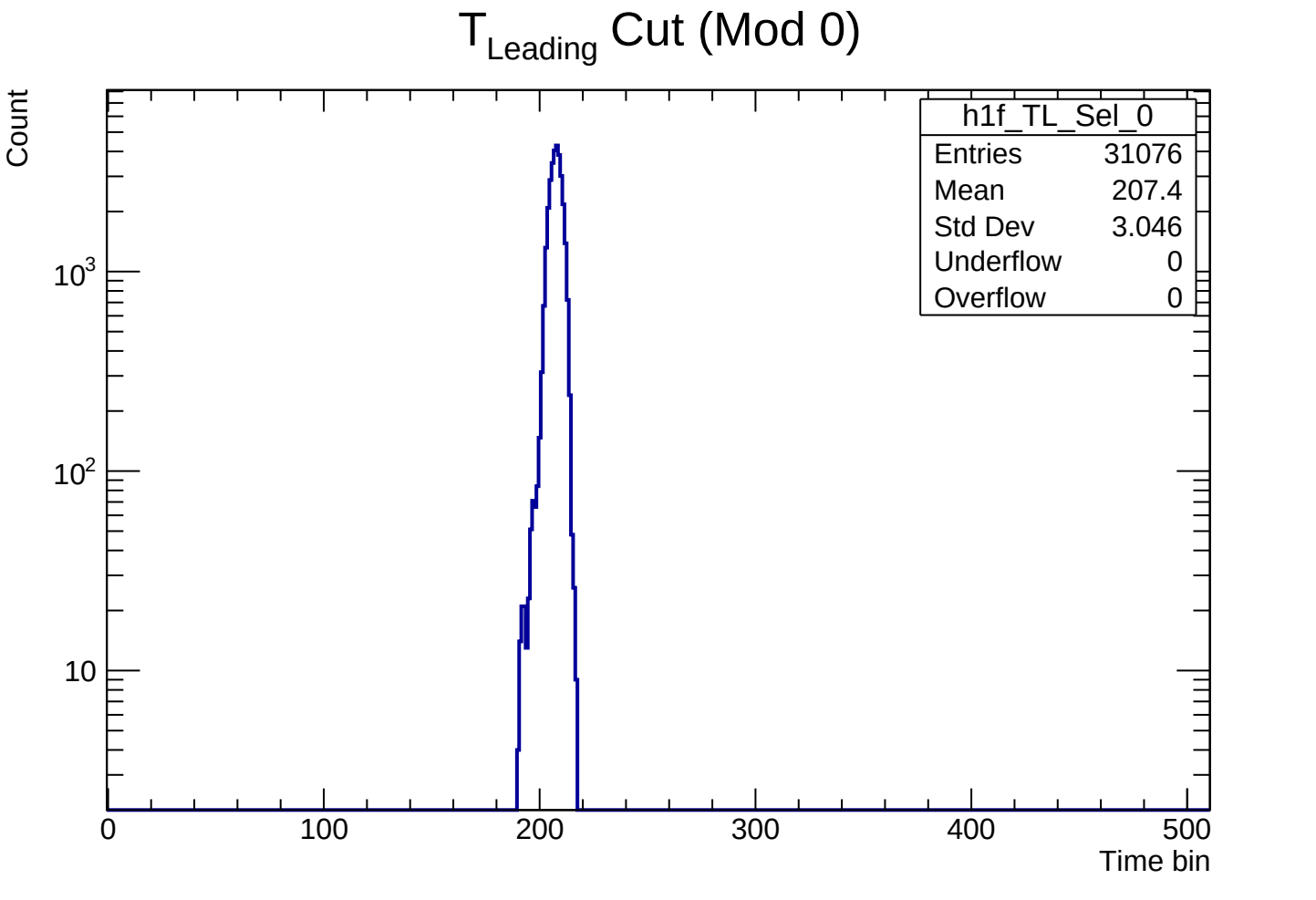
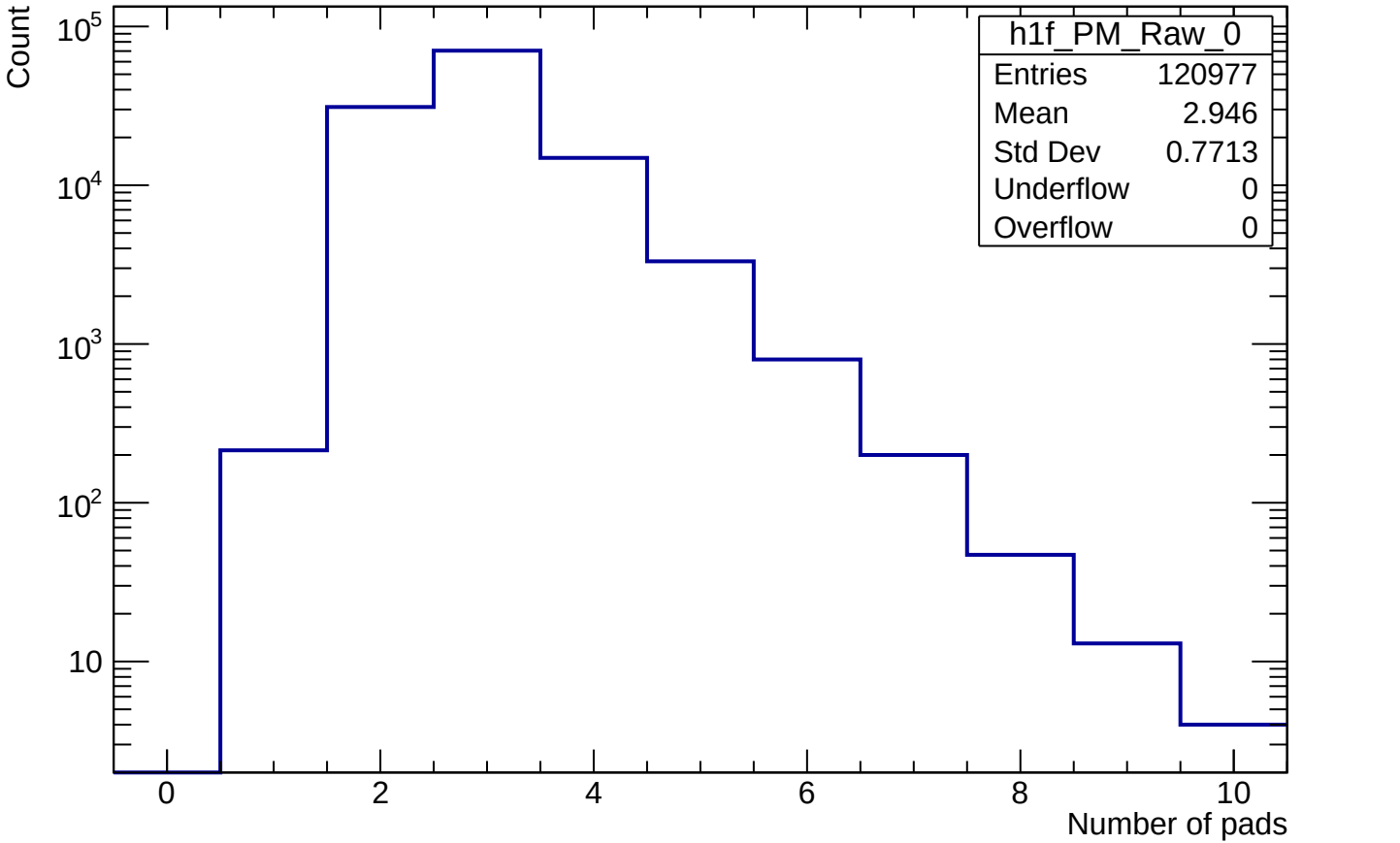
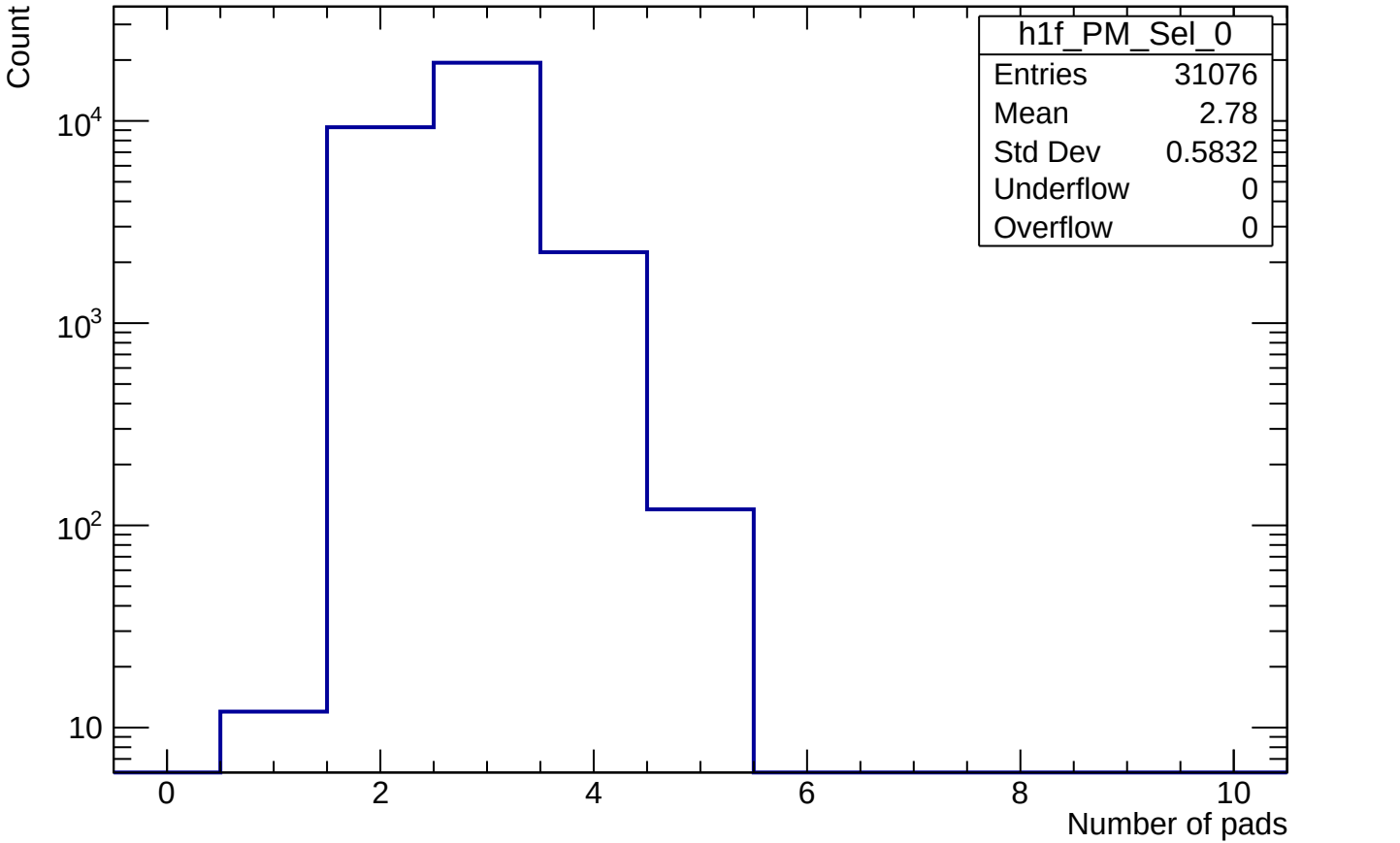
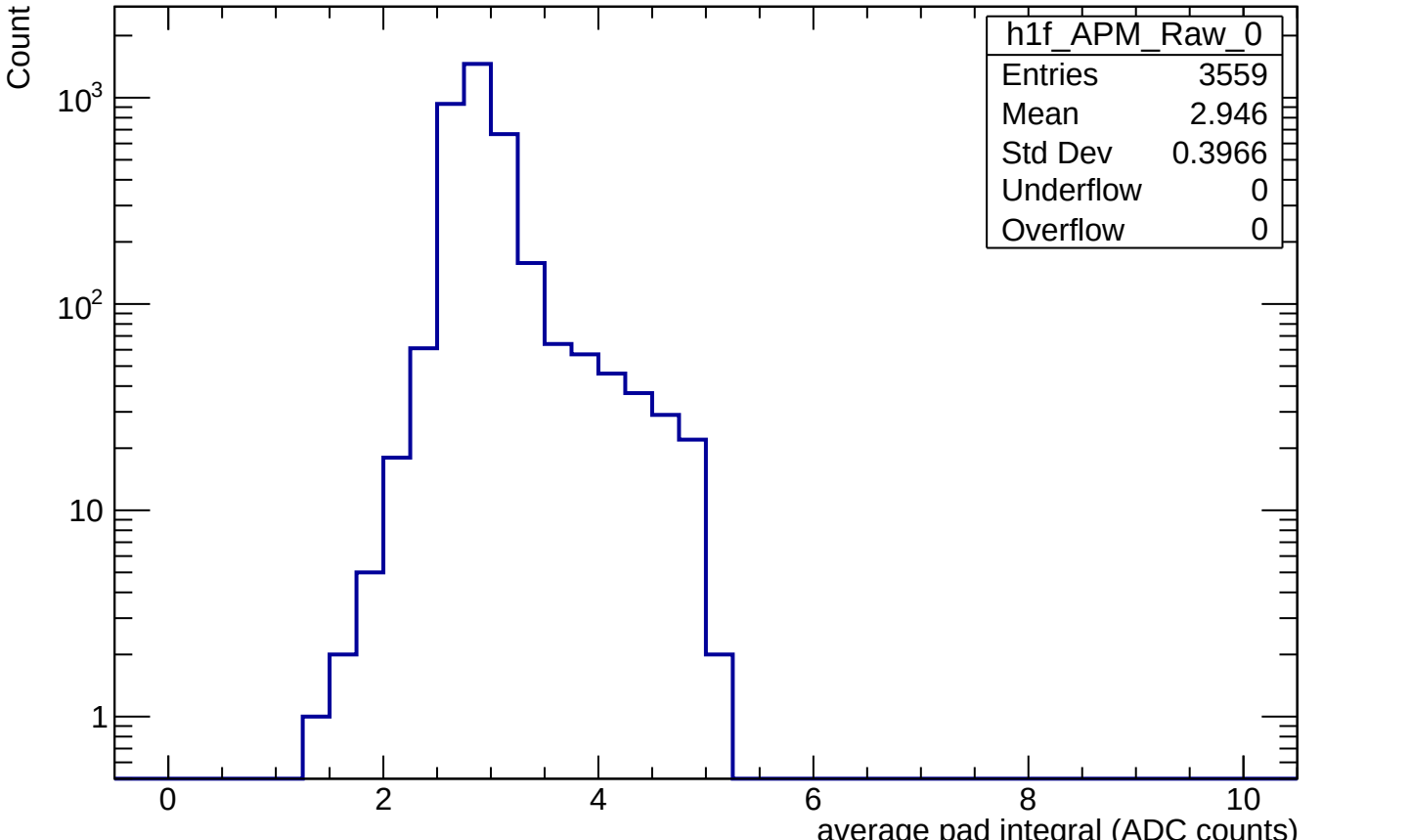
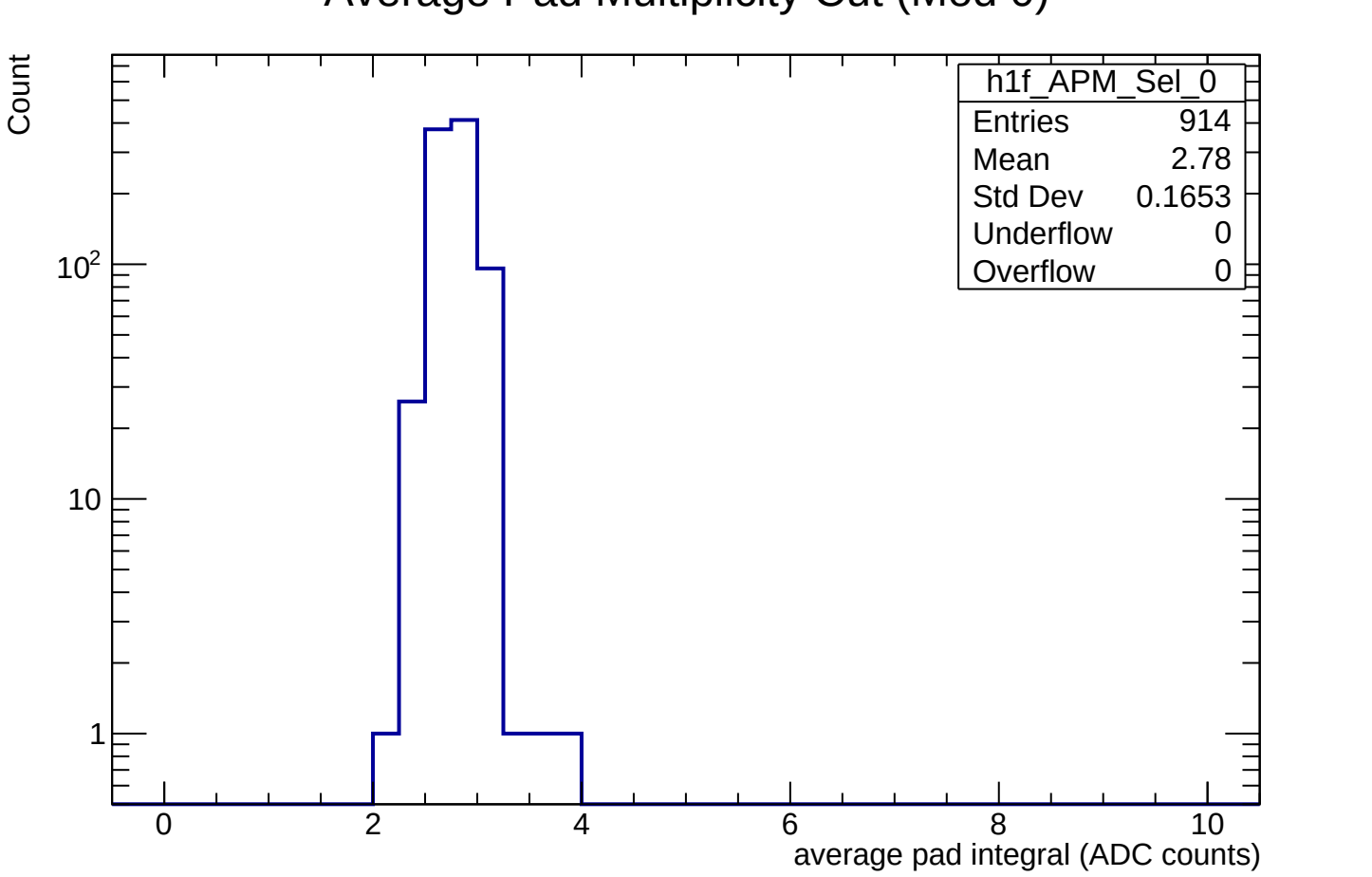

T Leading Raw (Mod 0)
Count
h1f_TL_Raw_0
Entries 120974
Mean 208.8
Std Dev 18.67
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
100
200
300
400
500
Time bin

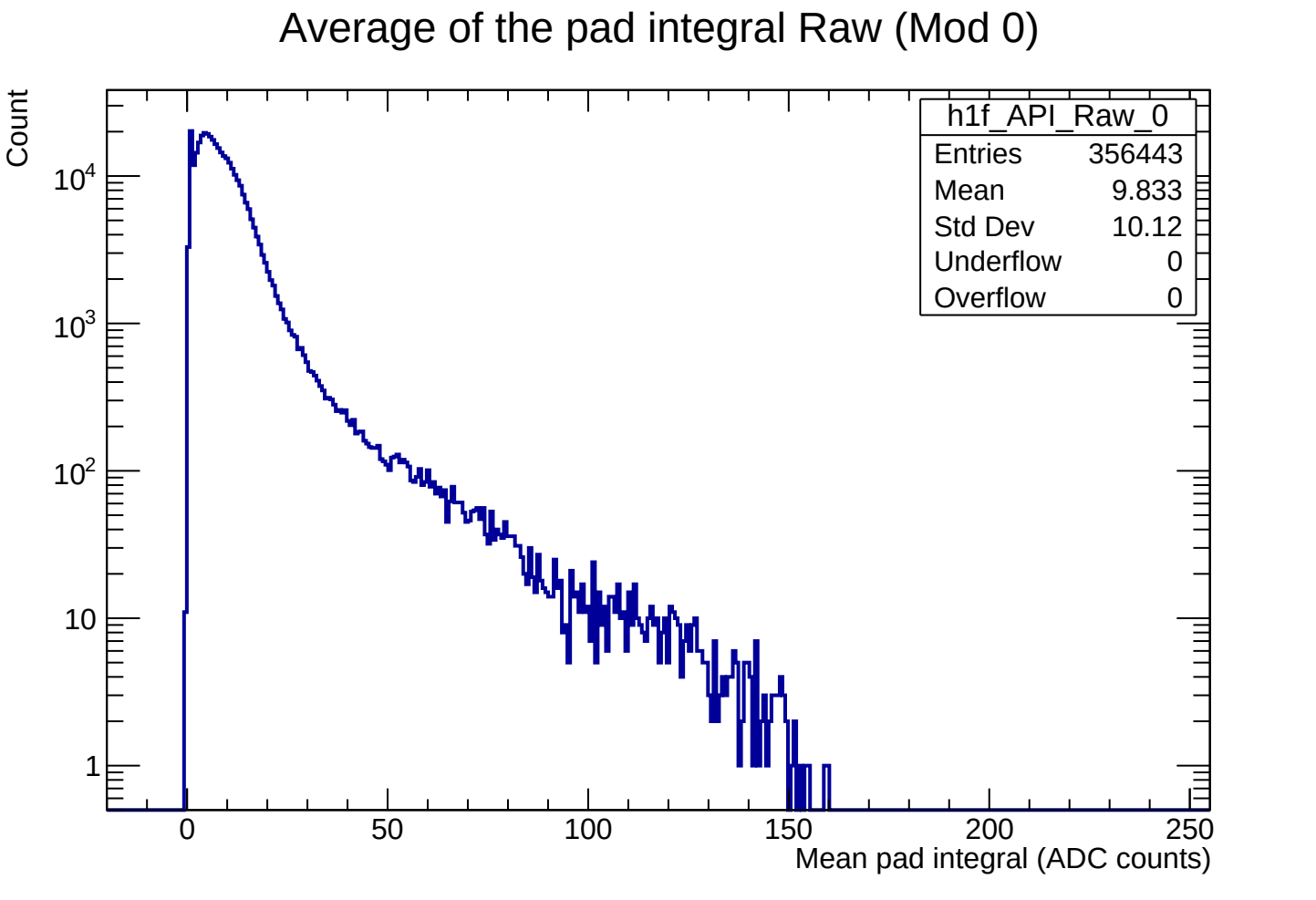

T Leading Cut (Mod 0)
Count
h1f_TL_Sel_0
Entries 31076
Mean 207.4
Std Dev 3.046
Underflow 0
Overflow 0
10^3
10^2
10
0
100
200
300
400
500
Time bin

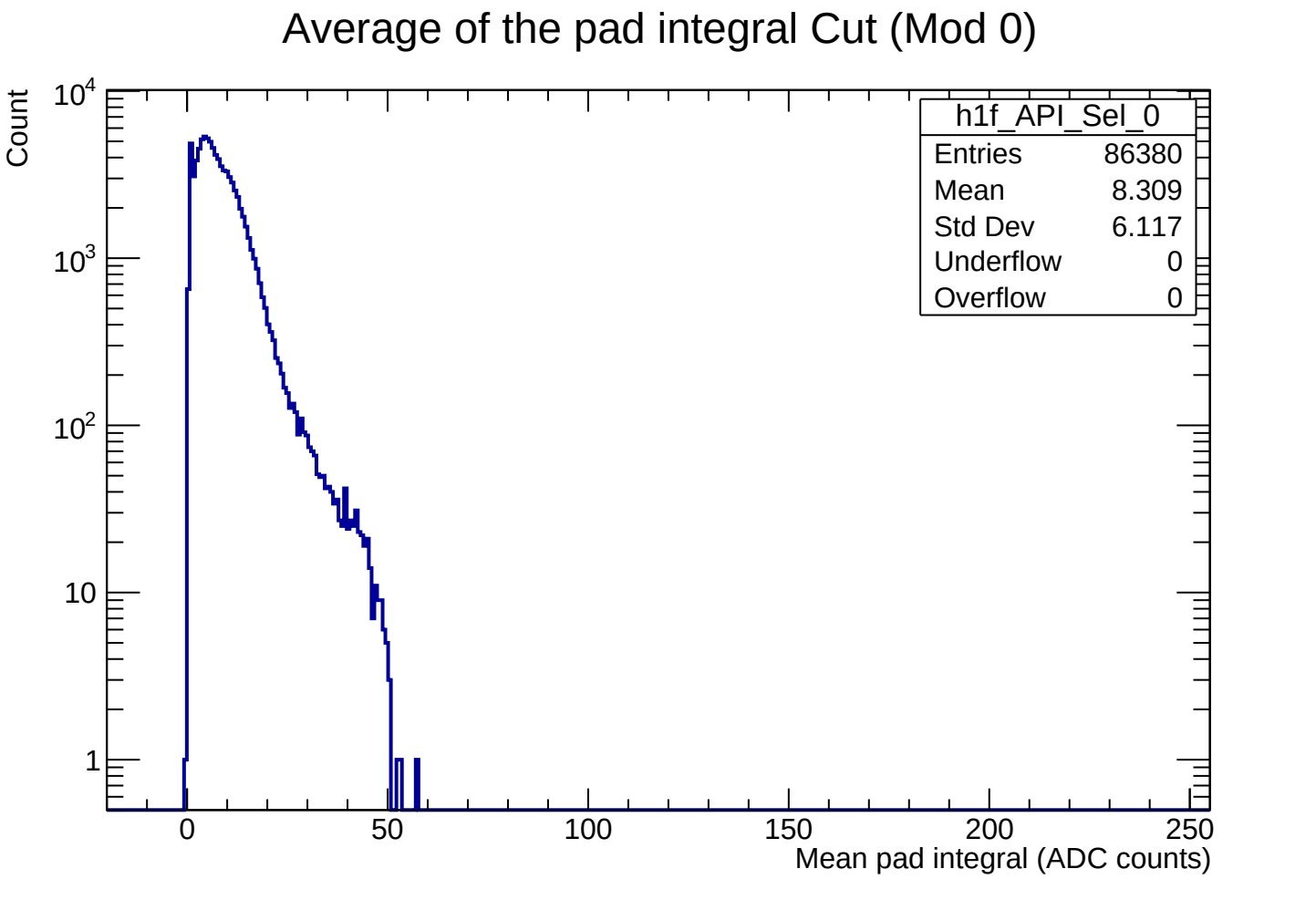

Pad Multiplicity Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
2
4
6
8
10
Number of pads
h1f_PM_Raw_0
Entries 120977
Mean 2.946
Std Dev 0.7713
Underflow 0
Overflow 0

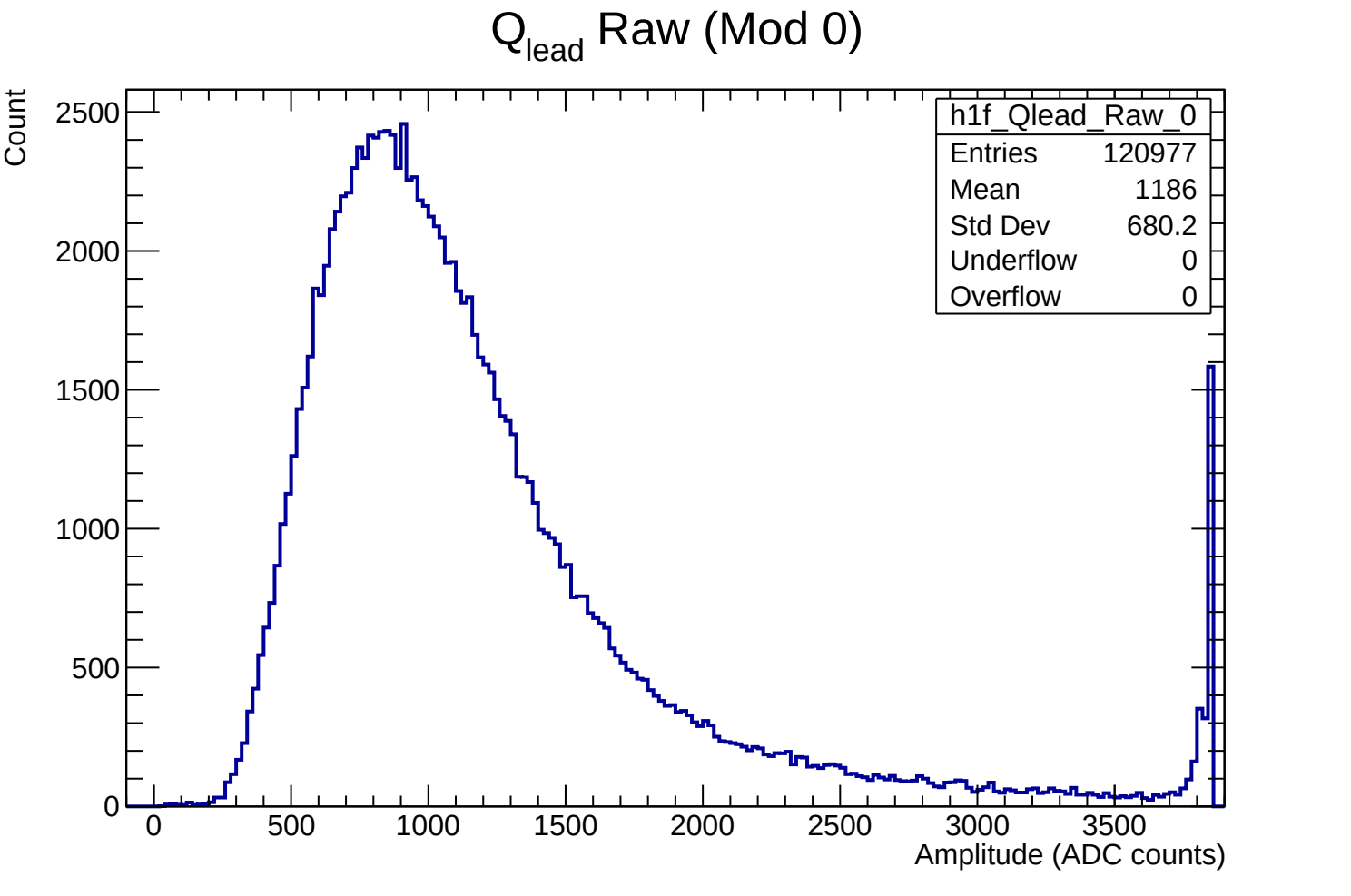

Pad Multiplicity Cut (Mod 0)
Count
10^4
10^3
10^2
10
0
2
4
6
8
10
Number of pads
h1f_PM_Sel_0
Entries 31076
Mean 2.78
Std Dev 0.5832
Underflow 0
Overflow 0

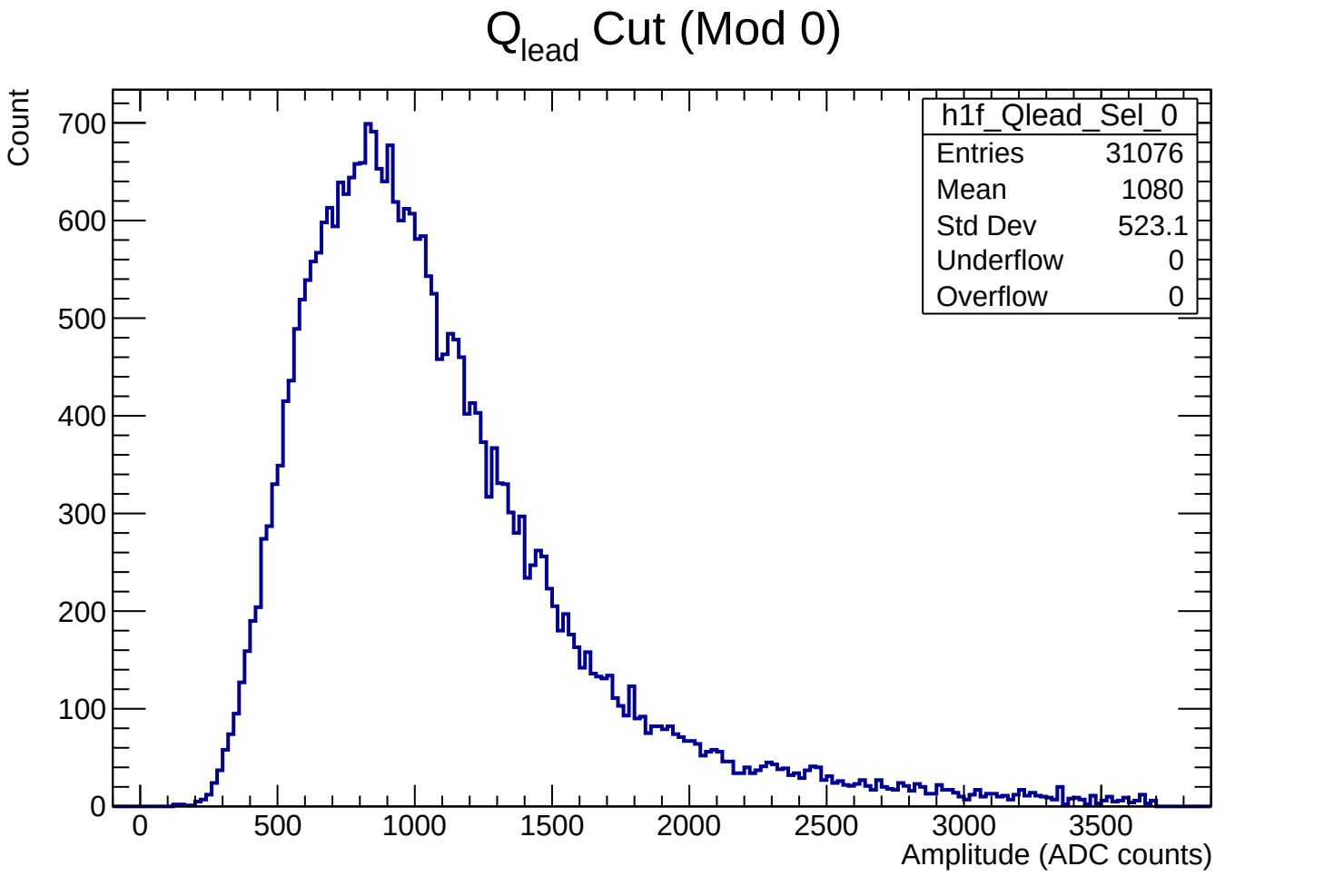

Average Pad Multiplicity Raw (Mod 0)
Count
10^3
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Raw_0
Entries 3559
Mean 2.946
Std Dev 0.3966
Underflow 0
Overflow 0

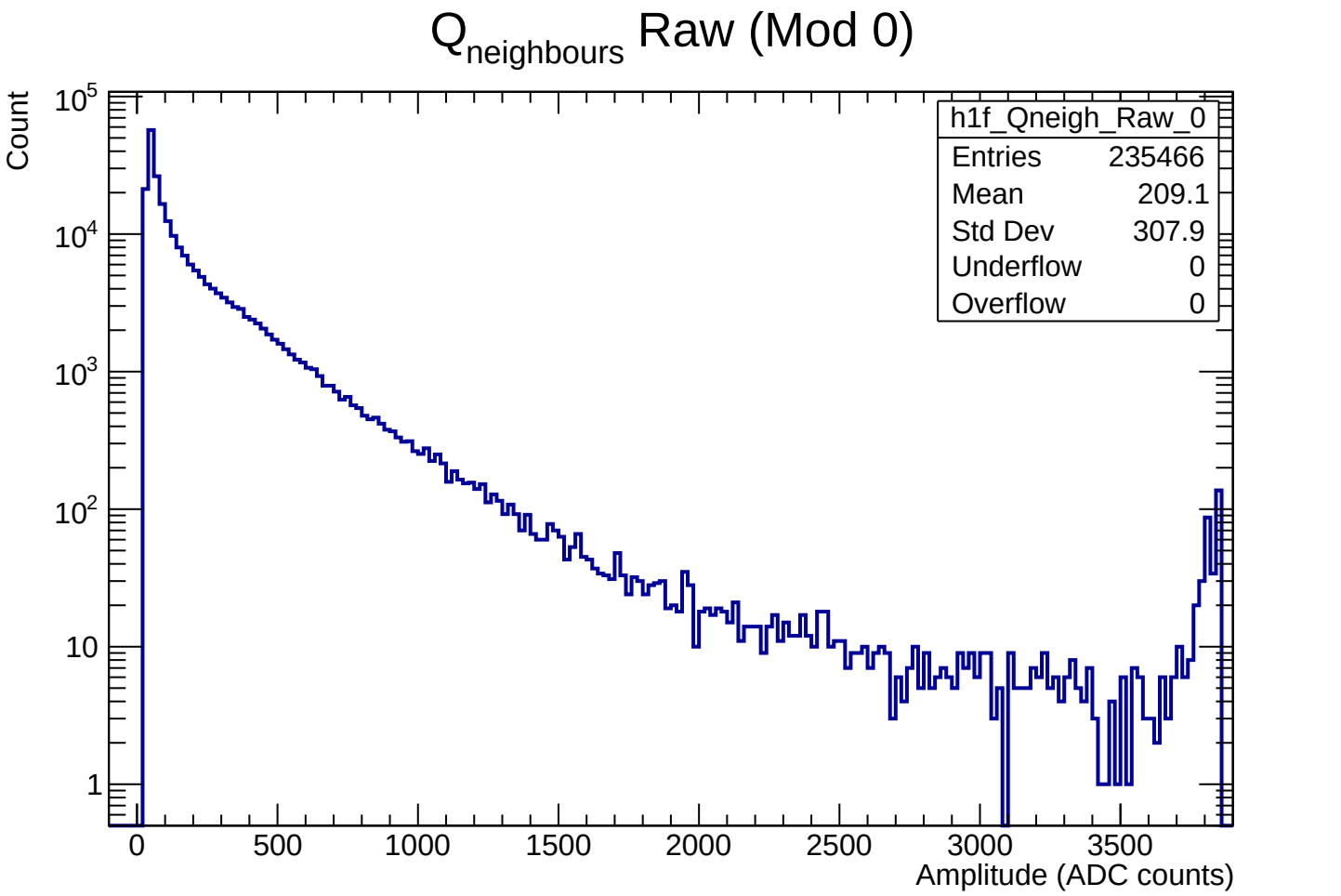

Average Pad Multiplicity Cut (Mod 0)
Count
h1f_APM_Sel_0
Entries 914
Mean 2.78
Std Dev 0.1653
Underflow 0
Overflow 0
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)

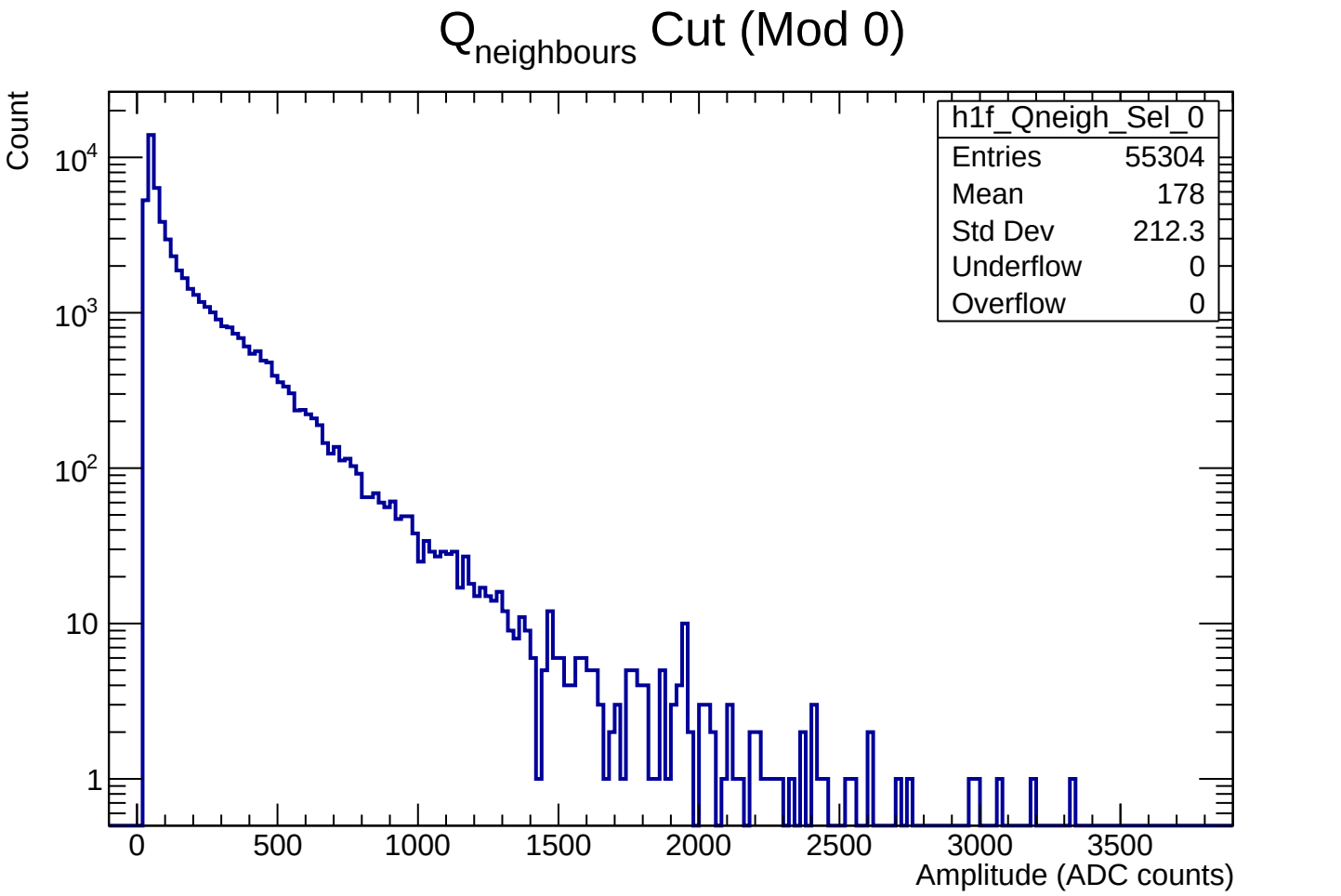

Average of the pad integral Raw (Mod 0)
Count
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)
h1f_API_Raw_0
Entries 356443
Mean 9.833
Std Dev 10.12
Underflow 0
Overflow 0

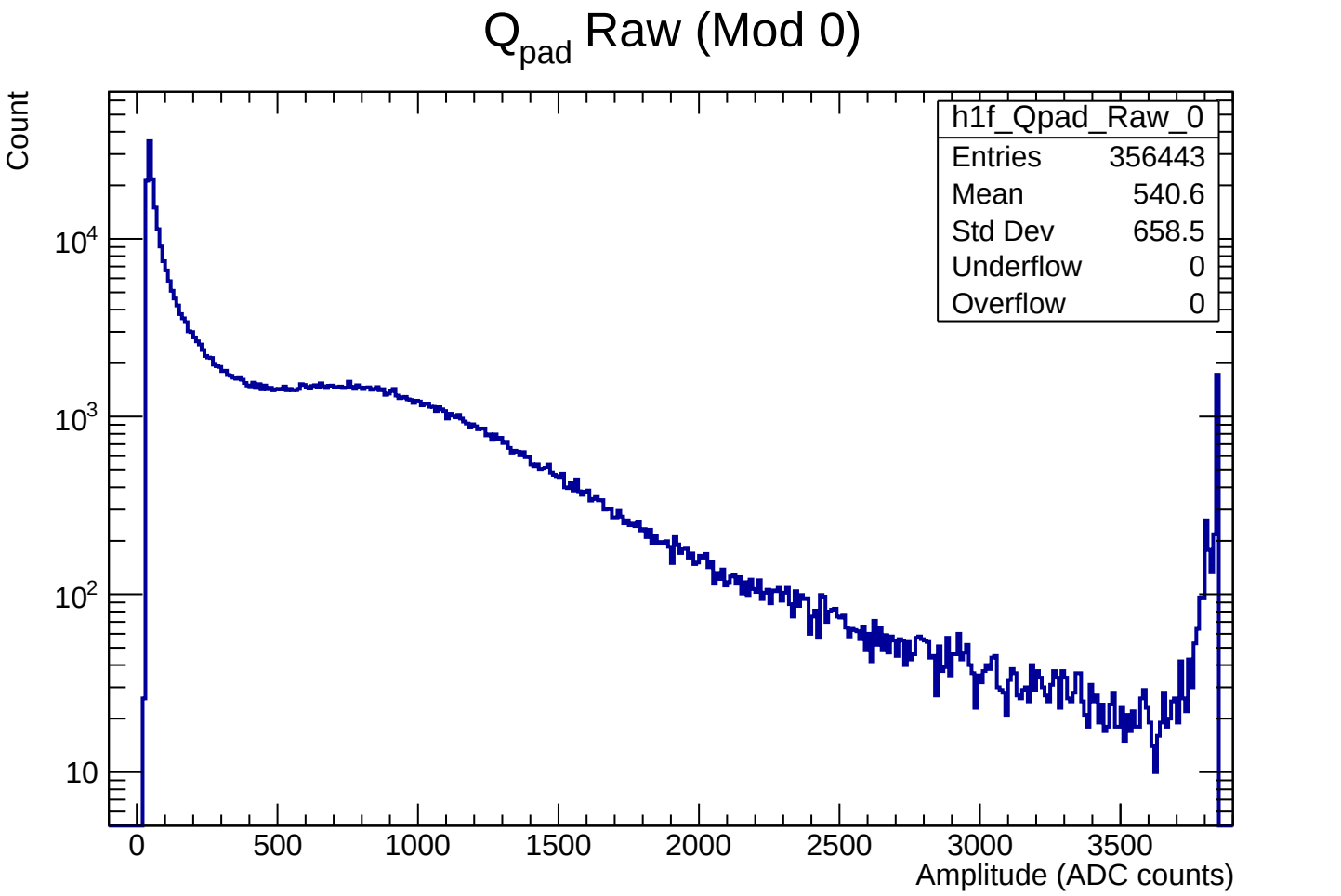

Average of the pad integral Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)
h1f_API_Sel_0
Entries 86380
Mean 8.309
Std Dev 6.117
Underflow 0
Overflow 0

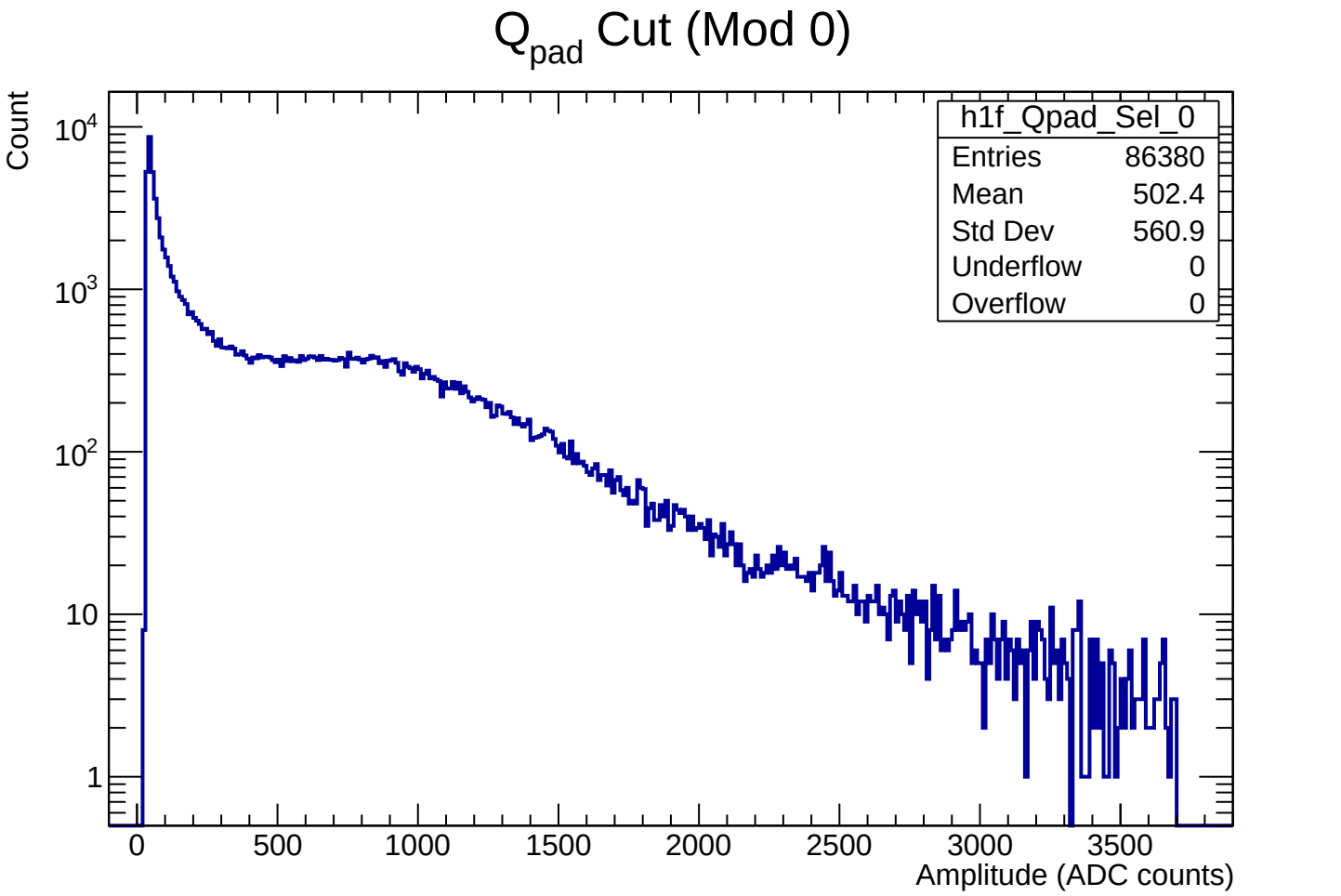

Q_{lead} Raw (Mod 0)
Count
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qlead_Raw_0
Entries 120977
Mean 1186
Std Dev 680.2
Underflow 0
Overflow 0

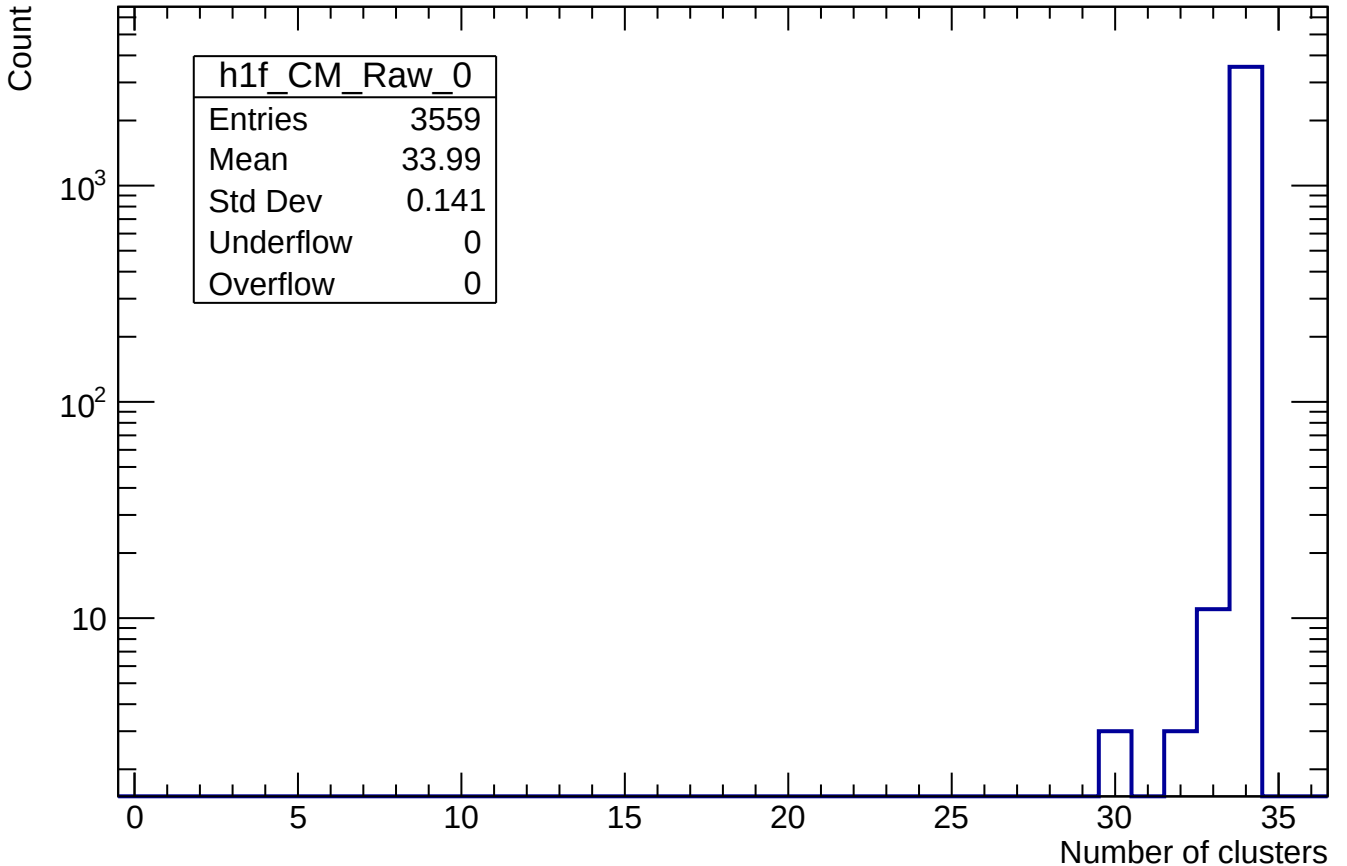

Q_{lead} Cut (Mod 0)
Count
700
600
500
400
300
200
100
0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qlead_Sel_0
Entries 31076
Mean 1080
Std Dev 523.1
Underflow 0
Overflow 0

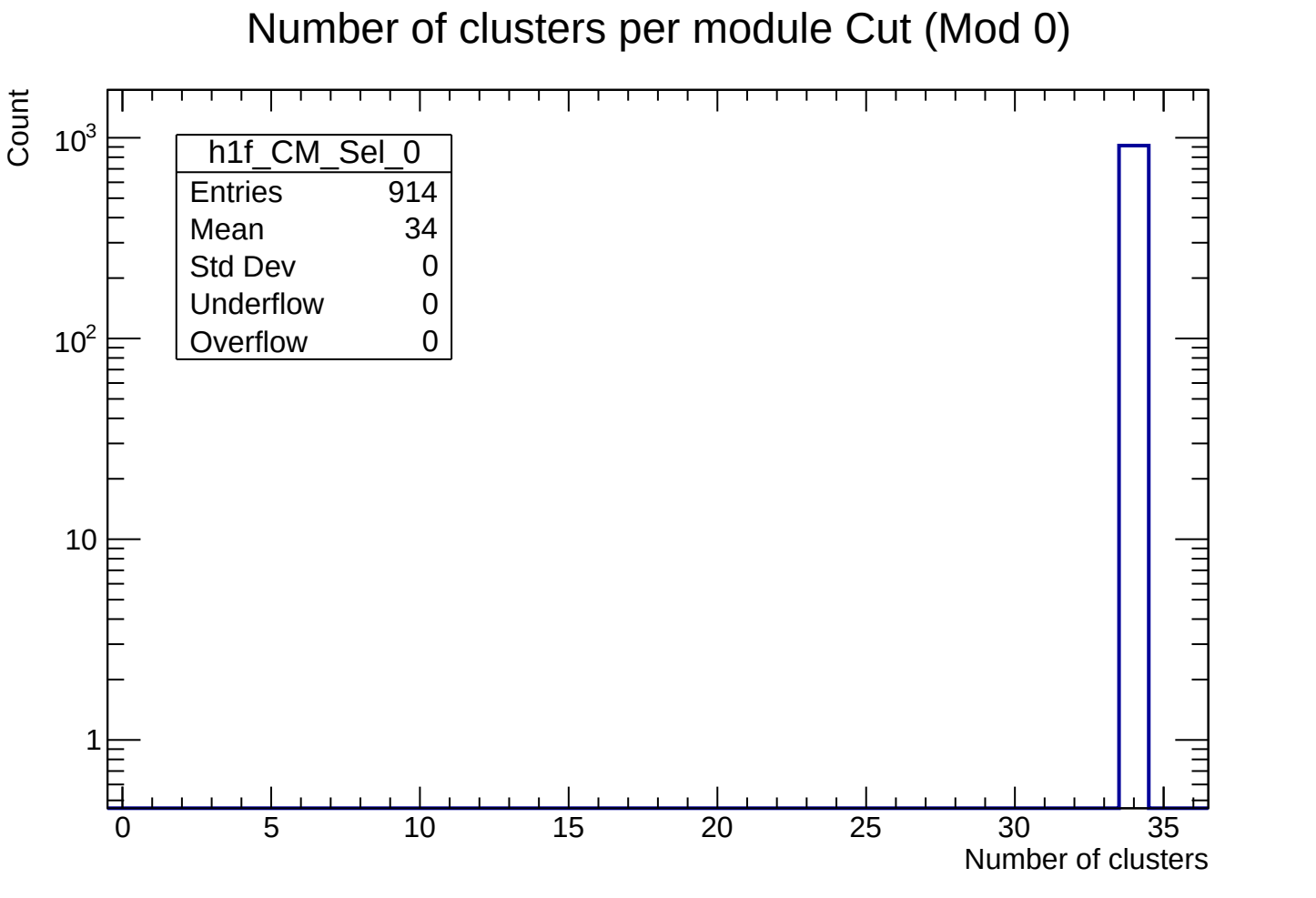

$Q_{neighbours}$ Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
1
h1f_Qneigh_Raw_0
Entries 235466
Mean 209.1
Std Dev 307.9
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

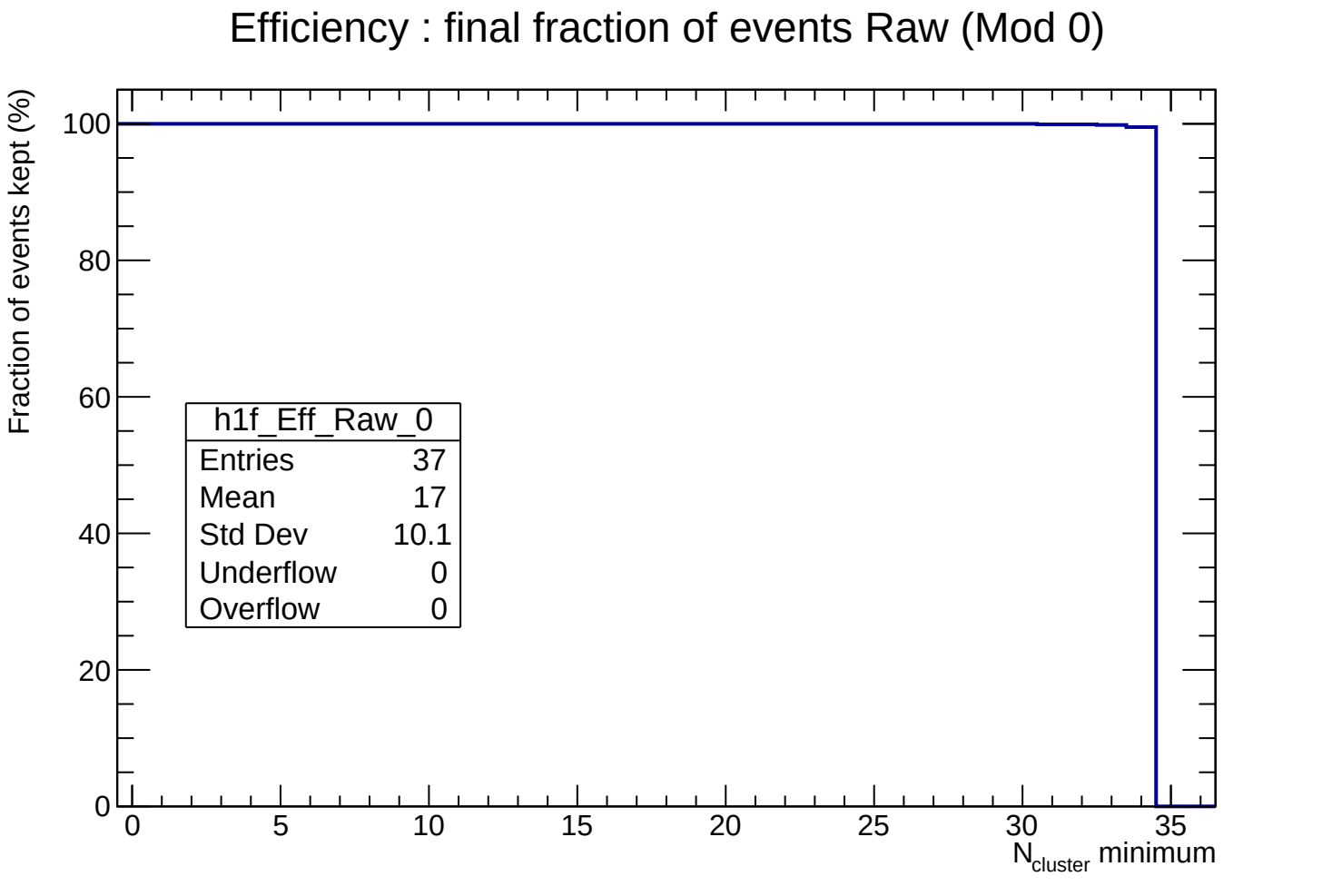

$Q_{neighbours}$ Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Sel_0
Entries 55304
Mean 178
Std Dev 212.3
Underflow 0
Overflow 0

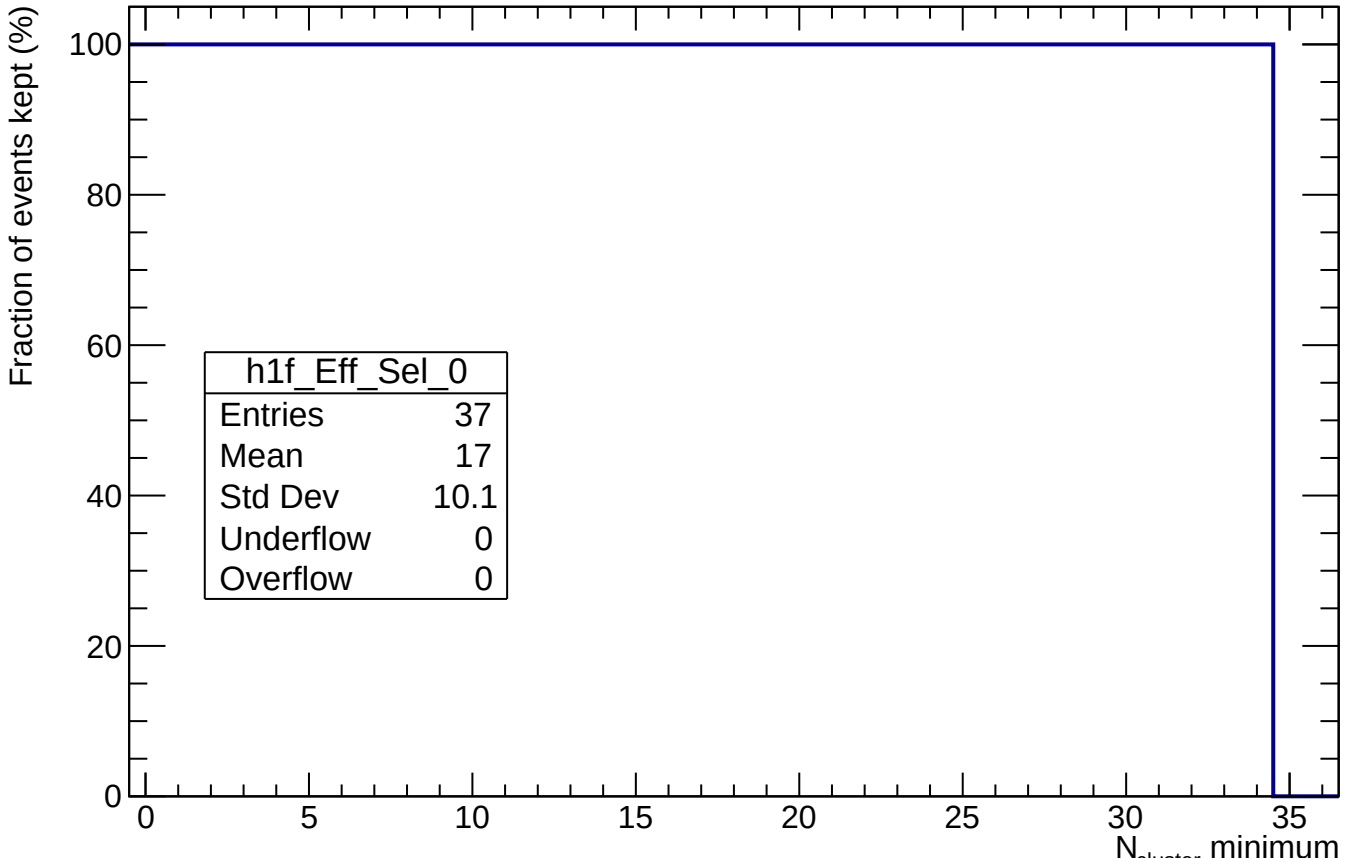

Q_{pad} Raw (Mod 0)
Count
10^4
10^3
10^2
10
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qpad_Raw_0
Entries 356443
Mean 540.6
Std Dev 658.5
Underflow 0
Overflow 0

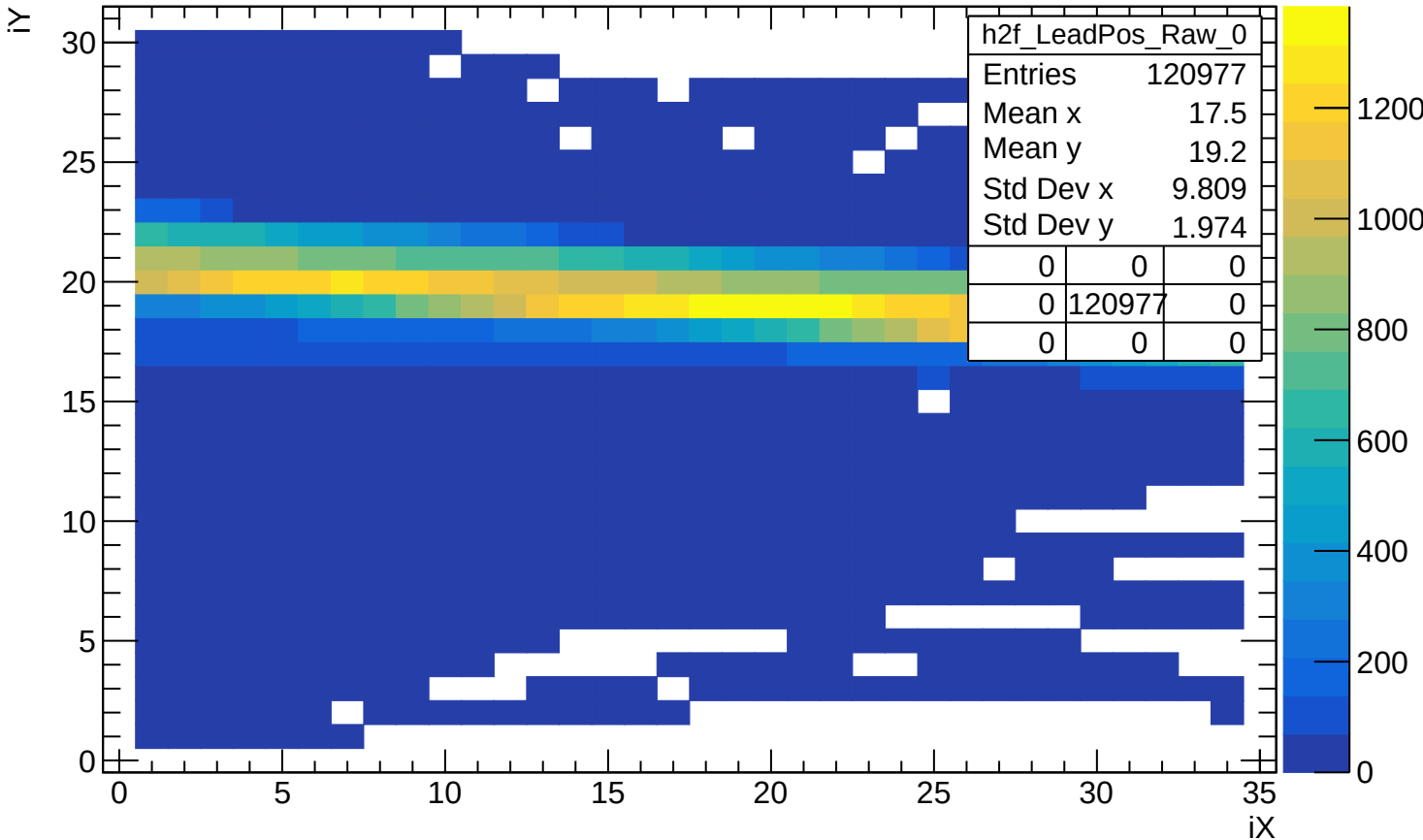

Q_{pad} Cut (Mod 0)
Count
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qpad_Sel_0
Entries 86380
Mean 502.4
Std Dev 560.9
Underflow 0
Overflow 0

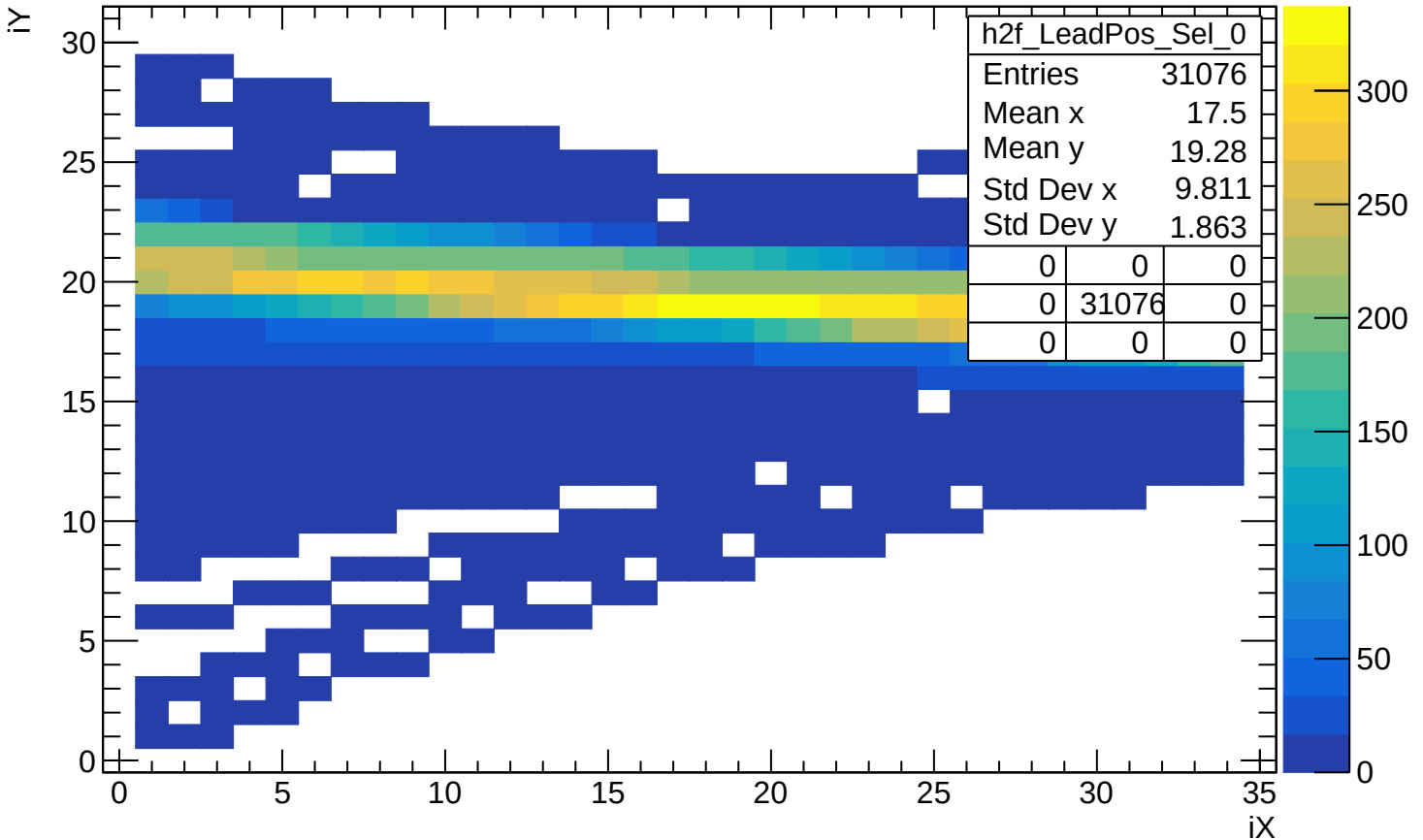

Number of clusters per module Raw (Mod 0)
Count
h1f_CM_Raw_0
Entries 3559
Mean 33.99
Std Dev 0.141
Underflow 0
Overflow 0
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

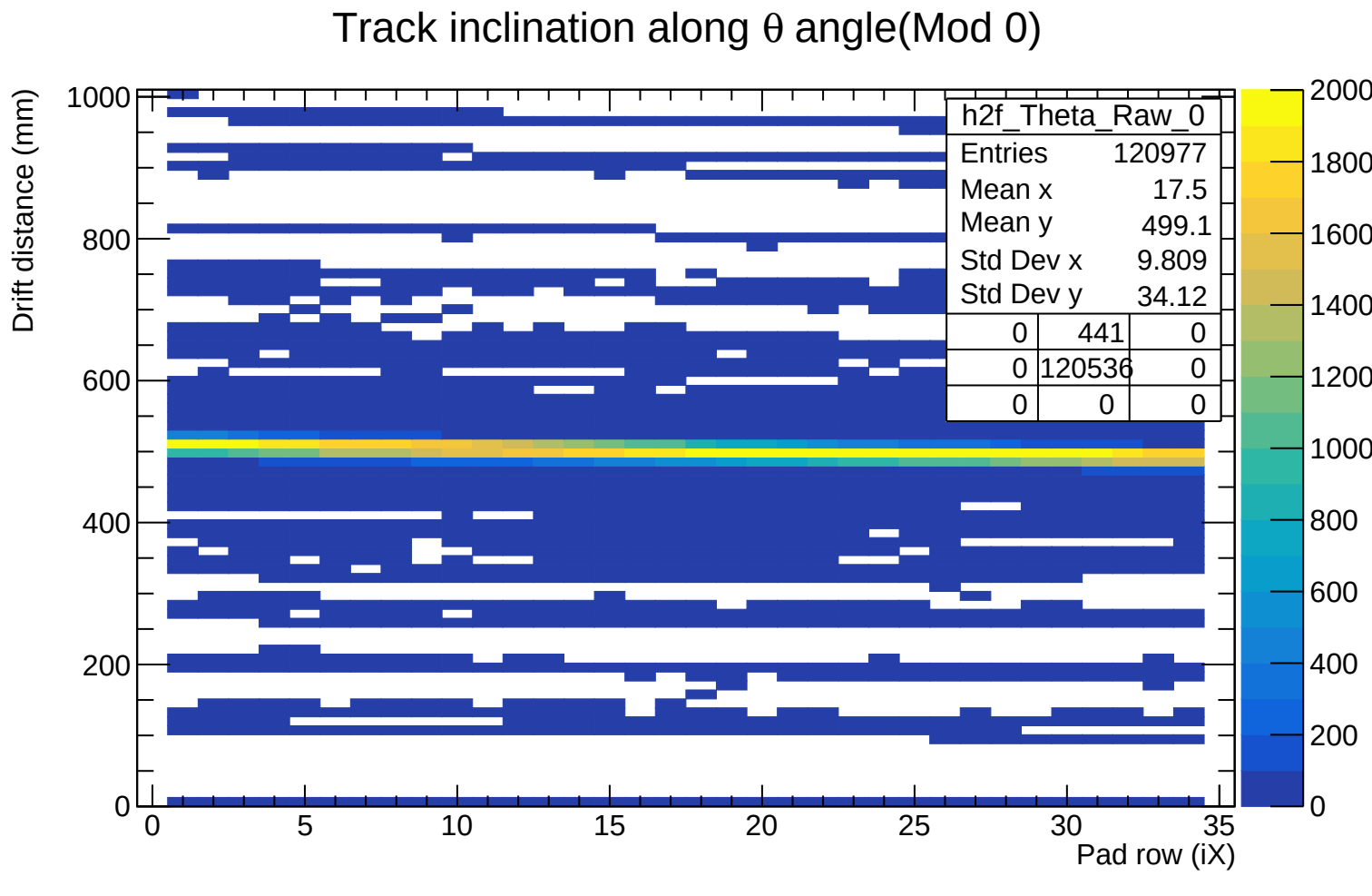

Number of clusters per module Cut (Mod 0)
Count
h1f_CM_Sel_0
Entries 914
Mean 34
Std Dev 0
Underflow 0
Overflow 0
10^3
10^2
10
1
0
5
10
15
20
25
30
35
Number of clusters

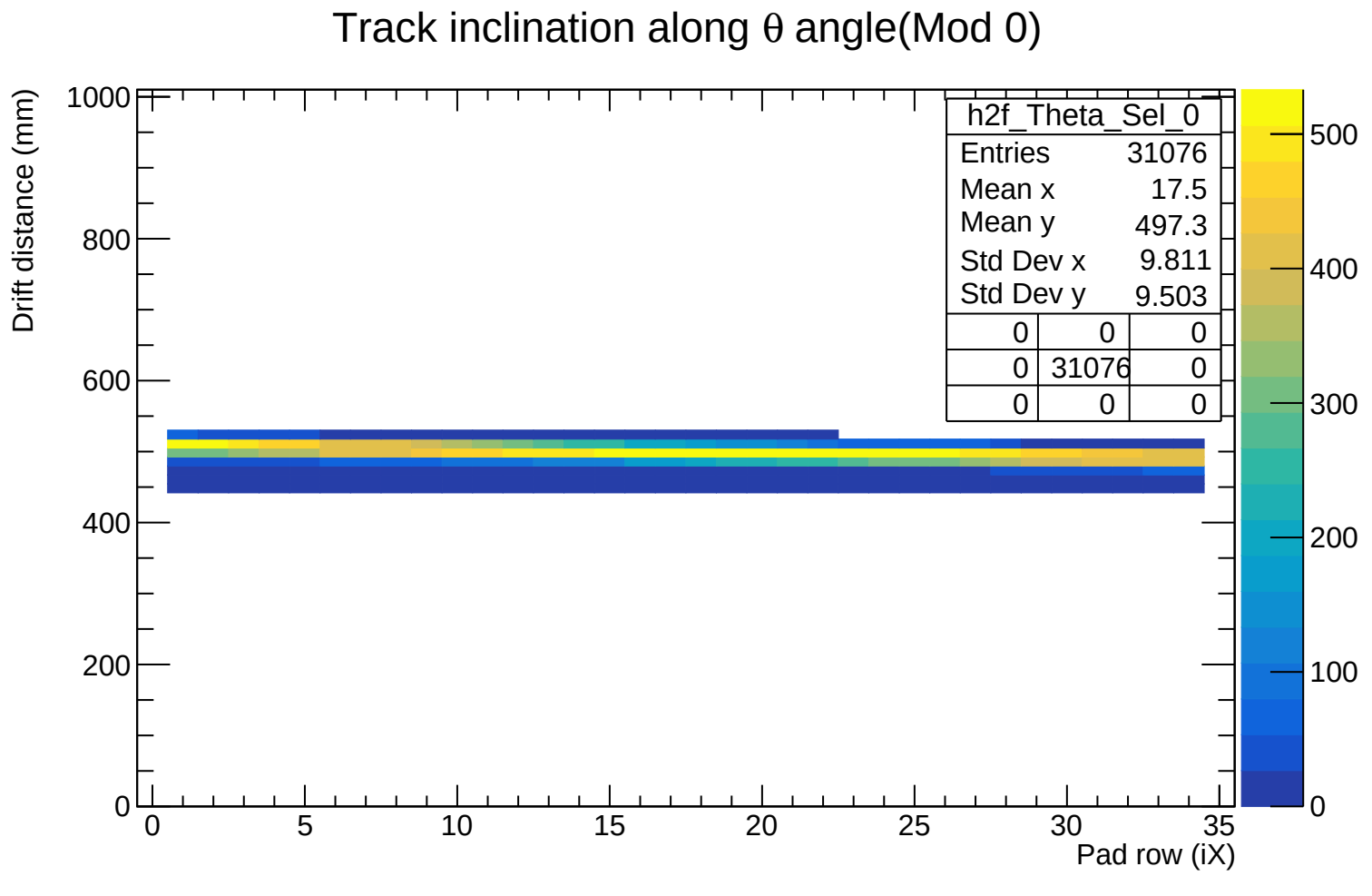

Efficiency : final fraction of events Raw (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
h1f_Eff_Raw_0
Entries 37
Mean 17
Std Dev 10.1
Underflow 0
Overflow 0
0
5
10
15
20
25
30
35
N cluster minimum


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 120977
Mean x 17.5
Mean y 19.2
Std Dev x 9.809
Std Dev y 1.974
0 0 0
0 120977 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


Position of leading pads in ERAM (Mod 0)
iY
iX
h2f_LeadPos_Sel_0
Entries 31076
Mean x 17.5
Mean y 19.28
Std Dev x 9.811
Std Dev y 1.863
0 0 0
0 31076 0
0 0 0
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30
0 50 100 150 200 250 300


Track inclination along θ angle(Mod 0)
Drift distance (mm)
Pad row (iX)
h2f_Theta_Raw_0
Entries 120977
Mean x 17.5
Mean y 499.1
Std Dev x 9.809
Std Dev y 34.12
0 441 0
0 120536 0
0 0 0
0
200
400
600
800
1000
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400
1600
1800
2000


Track inclination along θ angle(Mod 0)
h2f_Theta_Sel_0
Entries 31076
Mean x 17.5
Mean y 497.3
Std Dev x 9.811
Std Dev y 9.503
0 0 0
0 31076 0
0 0 0
Drift distance (mm)
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
Pad row (iX)
500
400
300
200
100
0