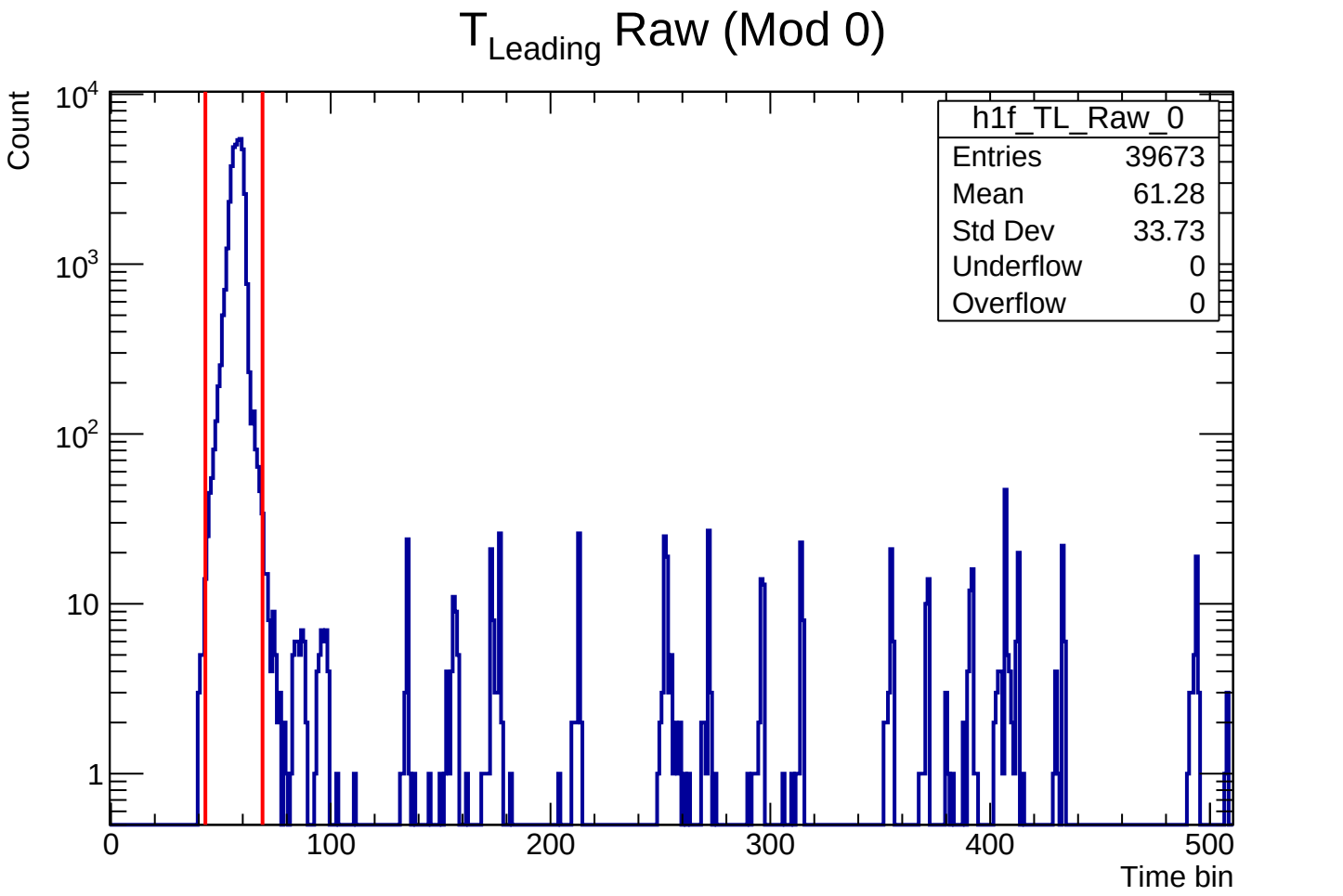
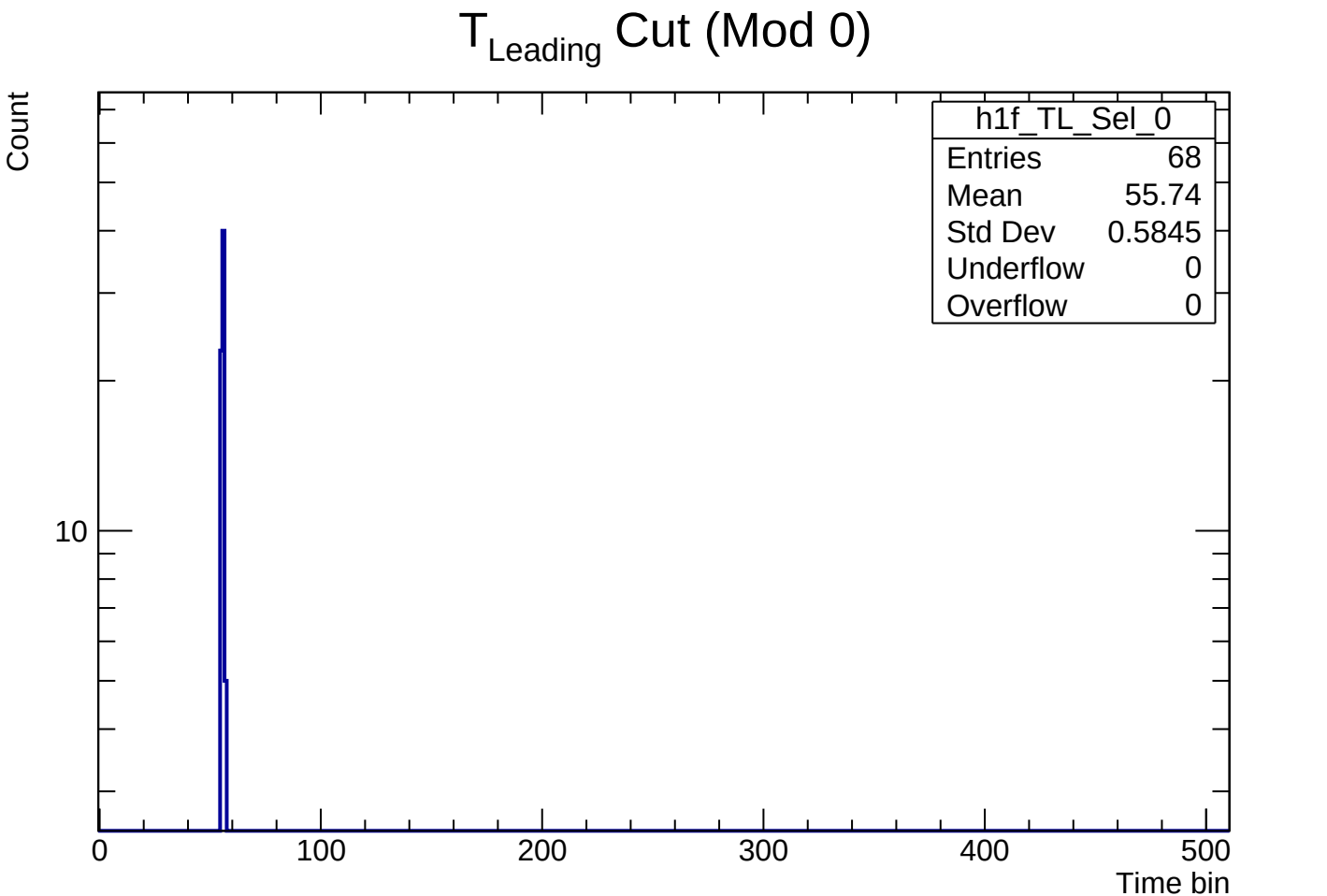
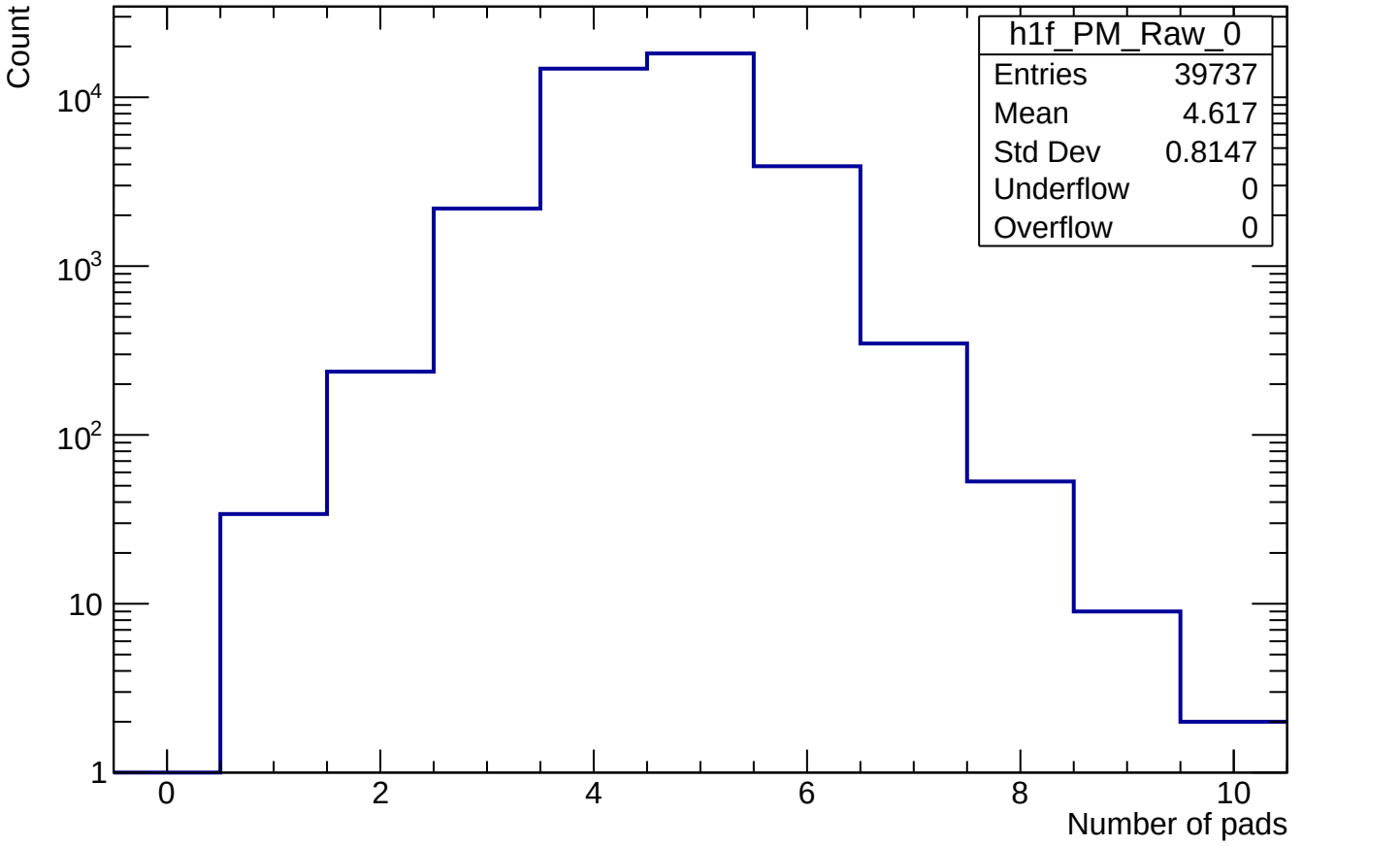
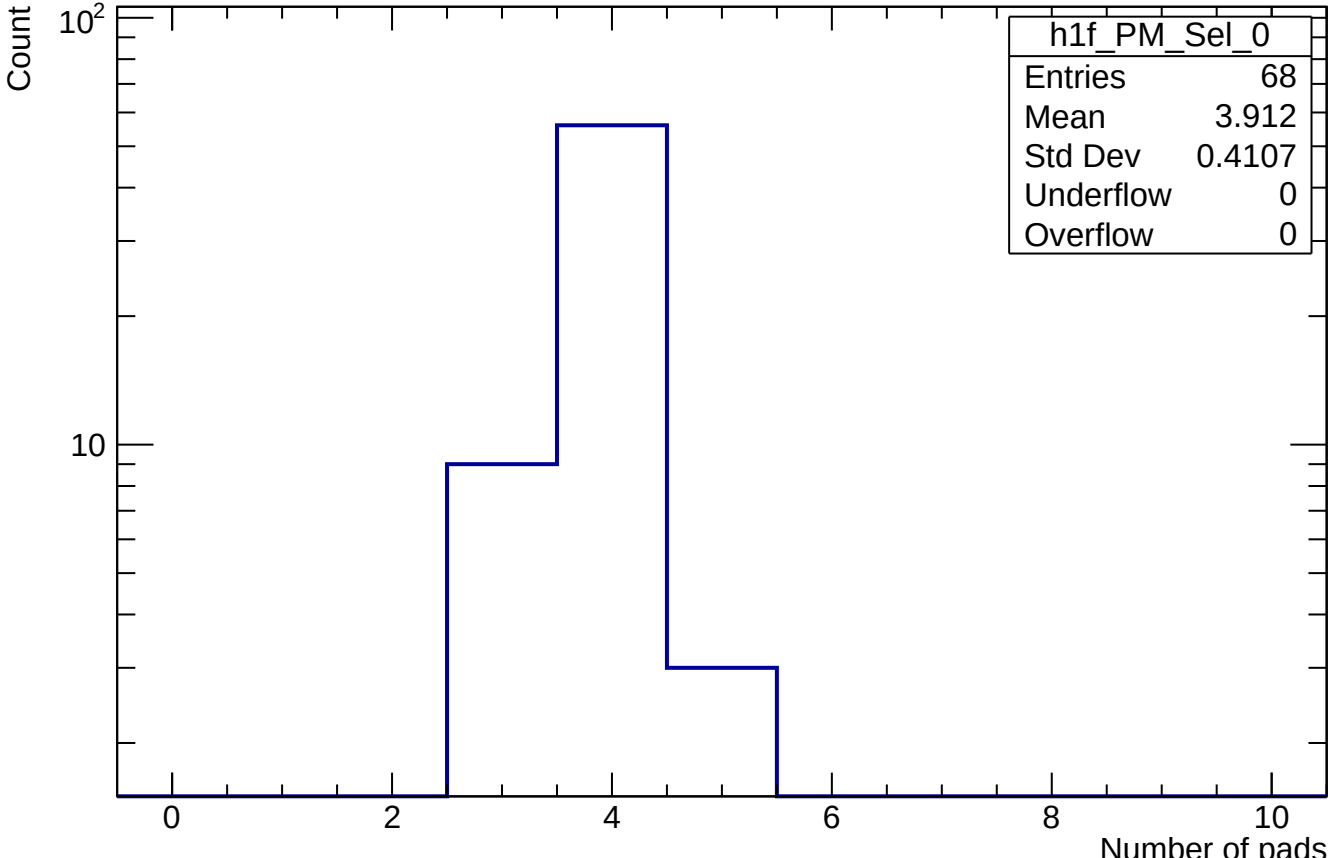
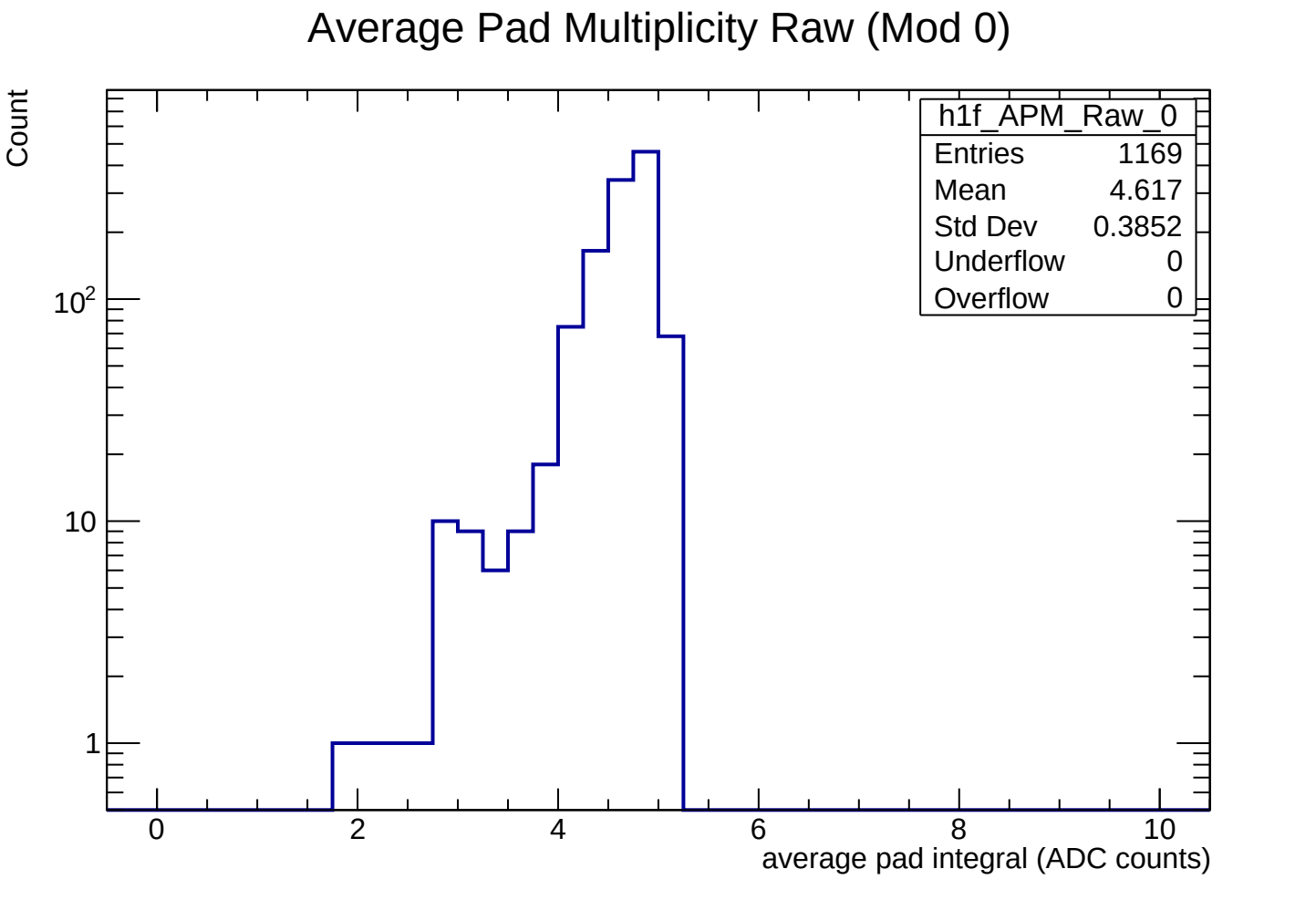
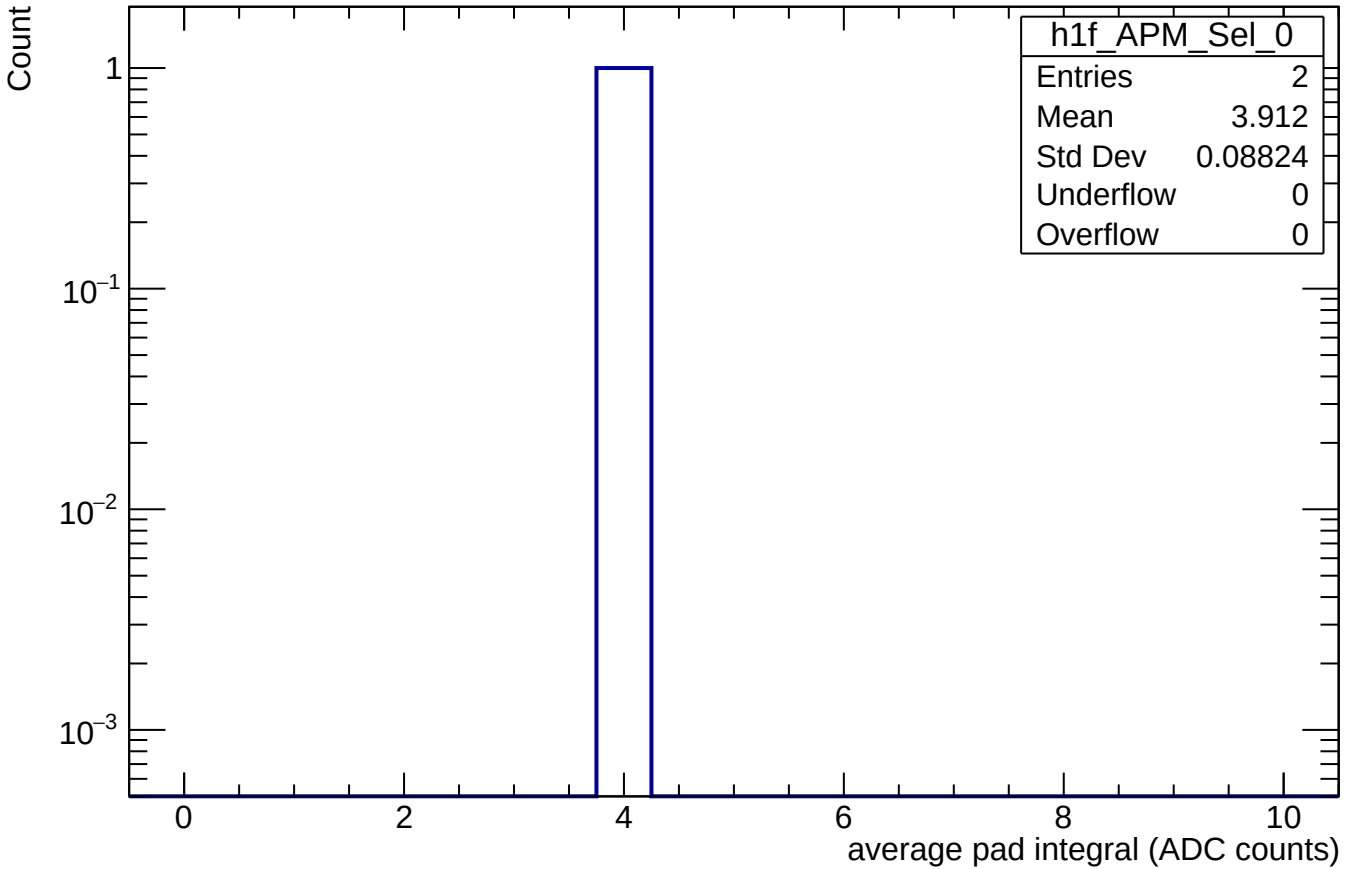

T Leading Raw (Mod 0)
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
Time bin
h1f_TL_Raw_0
Entries 39673
Mean 61.28
Std Dev 33.73
Underflow 0
Overflow 0

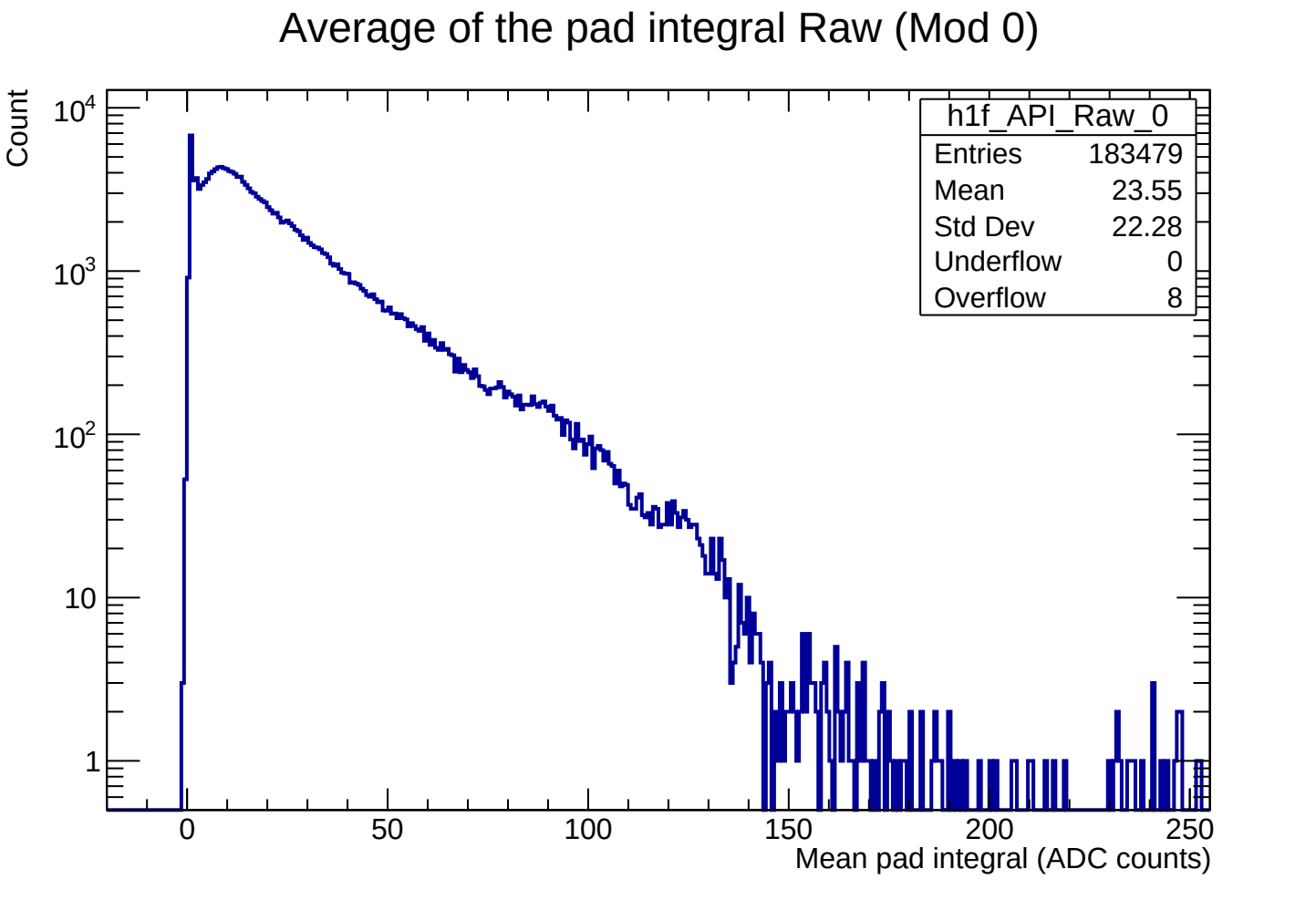

T Leading Cut (Mod 0)
Count
10
h1f_TL_Sel_0
Entries 68
Mean 55.74
Std Dev 0.5845
Underflow 0
Overflow 0
0
100
200
300
400
500
Time bin

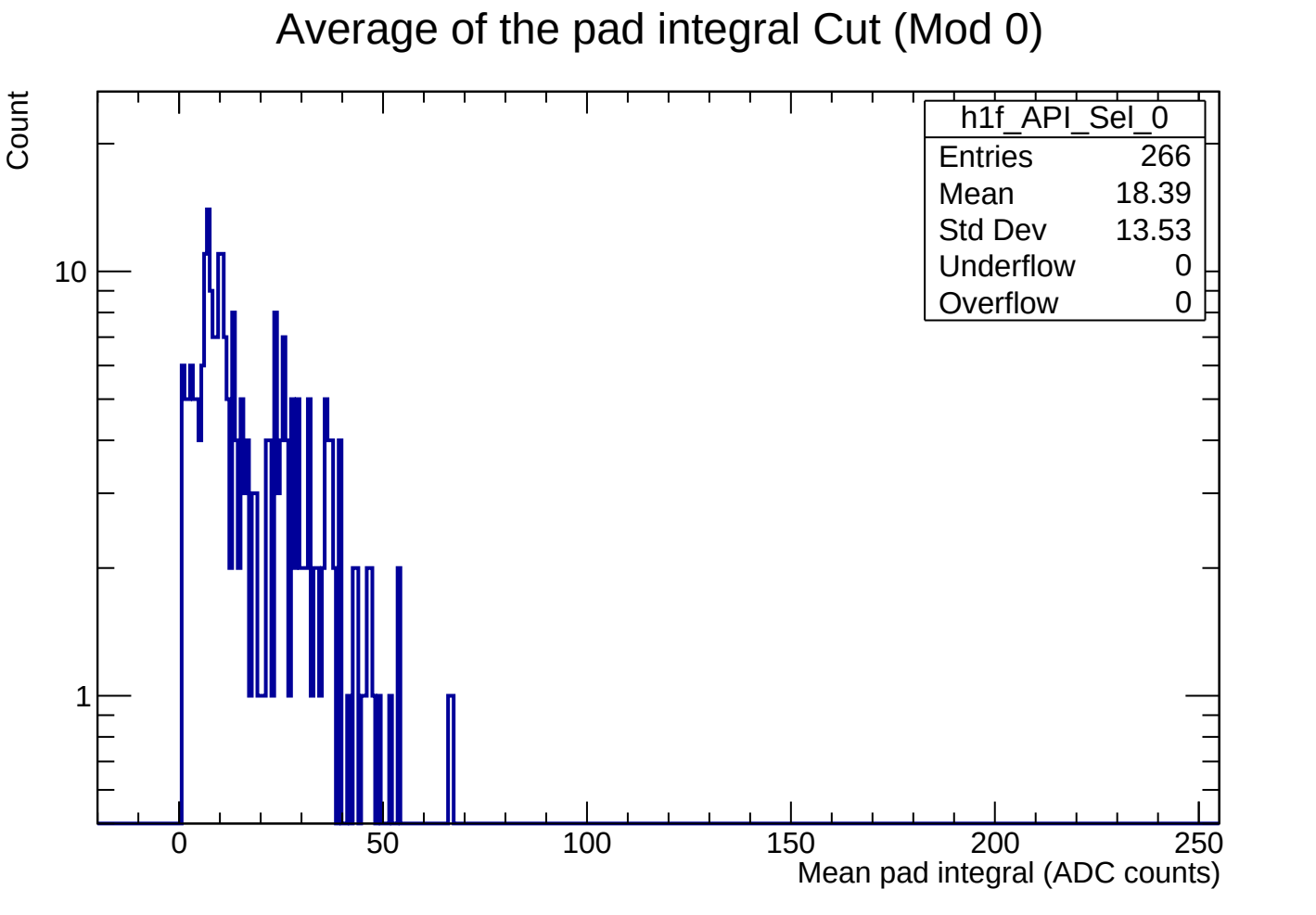

Pad Multiplicity Raw (Mod 0)
Count
Number of pads
h1f_PM_Raw_0
Entries 39737
Mean 4.617
Std Dev 0.8147
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
2
4
6
8
10

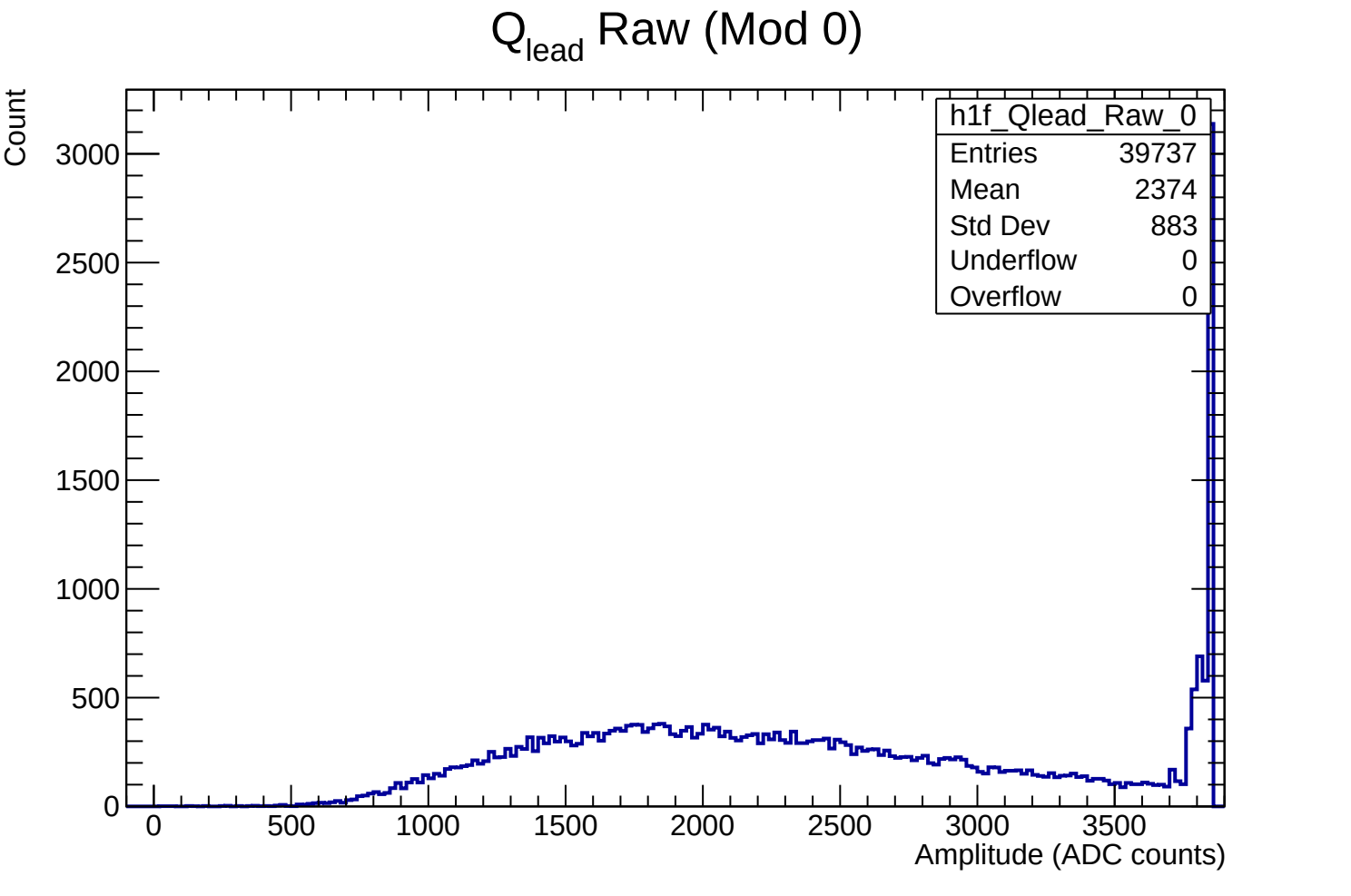

Pad Multiplicity Cut (Mod 0)
Count
10^2
10
h1f_PM_Sel_0
Entries 68
Mean 3.912
Std Dev 0.4107
Underflow 0
Overflow 0
0
2
4
6
8
10
Number of pads

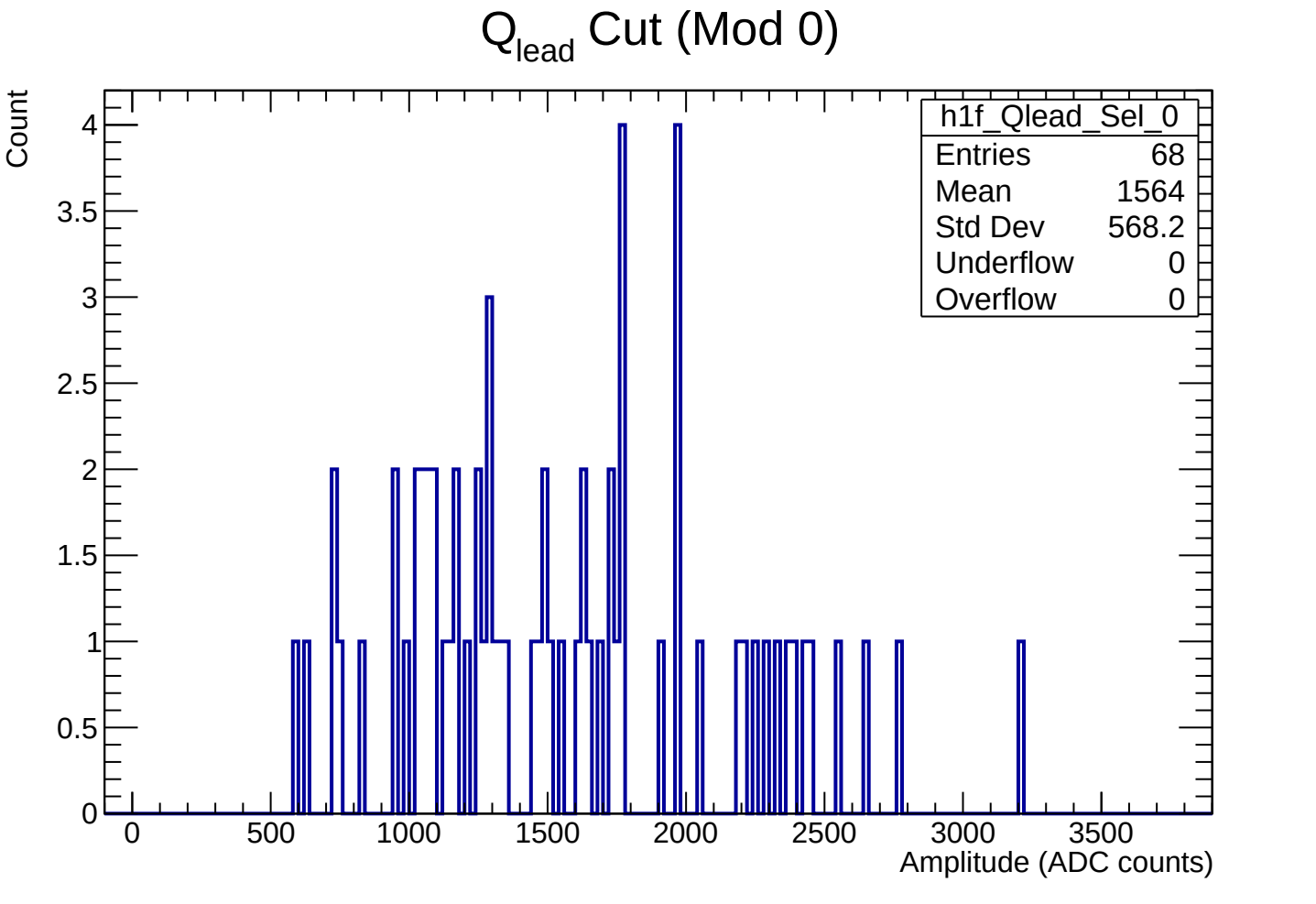

Average Pad Multiplicity Raw (Mod 0)
Count
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)
h1f_APM_Raw_0
Entries 1169
Mean 4.617
Std Dev 0.3852
Underflow 0
Overflow 0

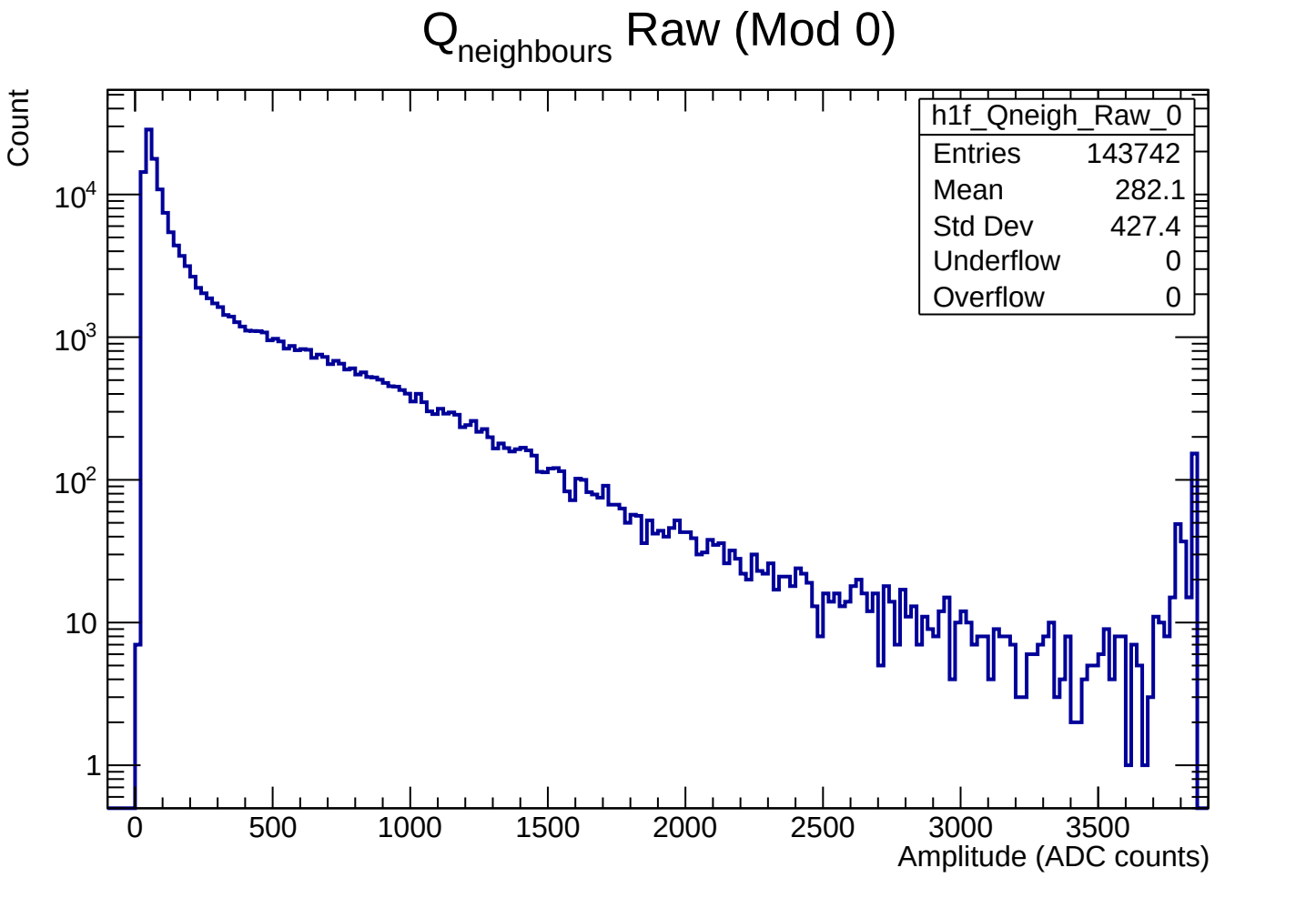

Average Pad Multiplicity Cut (Mod 0)
Count
1
10^{-1}
10^{-2}
10^{-3}
h1f_APM_Sel_0
Entries 2
Mean 3.912
Std Dev 0.08824
Underflow 0
Overflow 0
0
2
4
6
8
10
average pad integral (ADC counts)

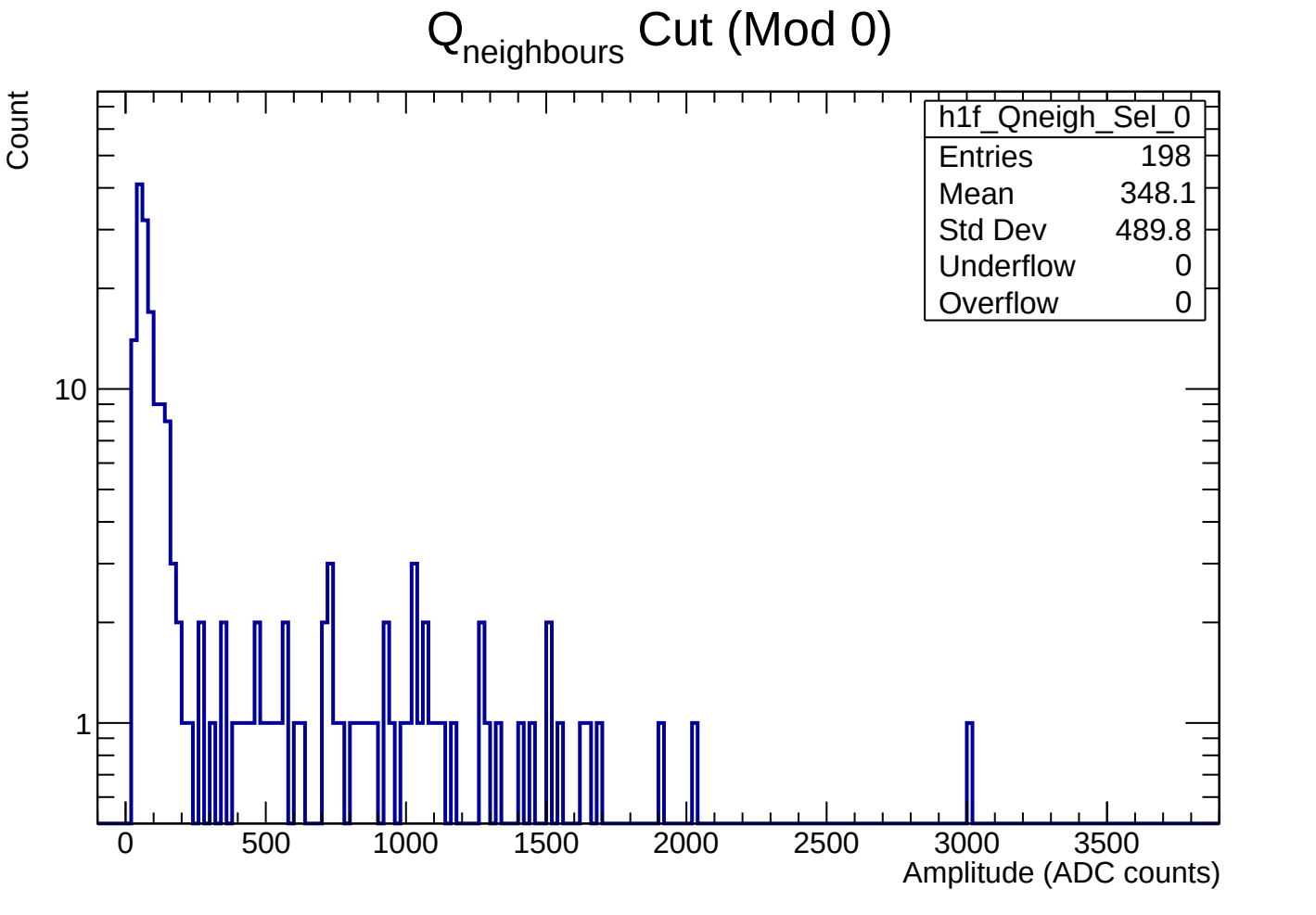

Average of the pad integral Raw (Mod 0)
Count
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)
h1f_API_Raw_0
Entries 183479
Mean 23.55
Std Dev 22.28
Underflow 0
Overflow 8

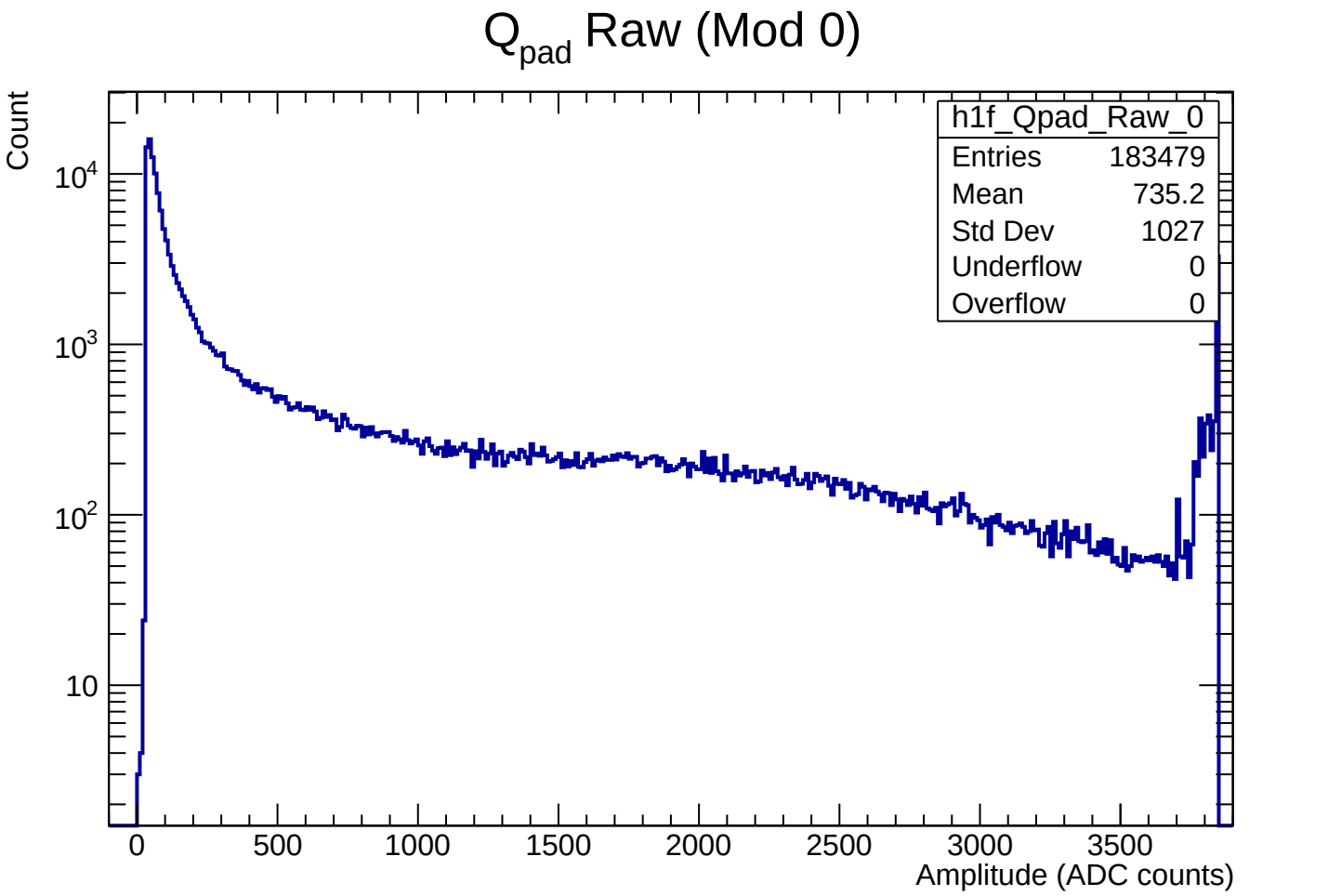

Average of the pad integral Cut (Mod 0)
Count
10
1
h1f_API_Sel_0
Entries 266
Mean 18.39
Std Dev 13.53
Underflow 0
Overflow 0
0
50
100
150
200
250
Mean pad integral (ADC counts)

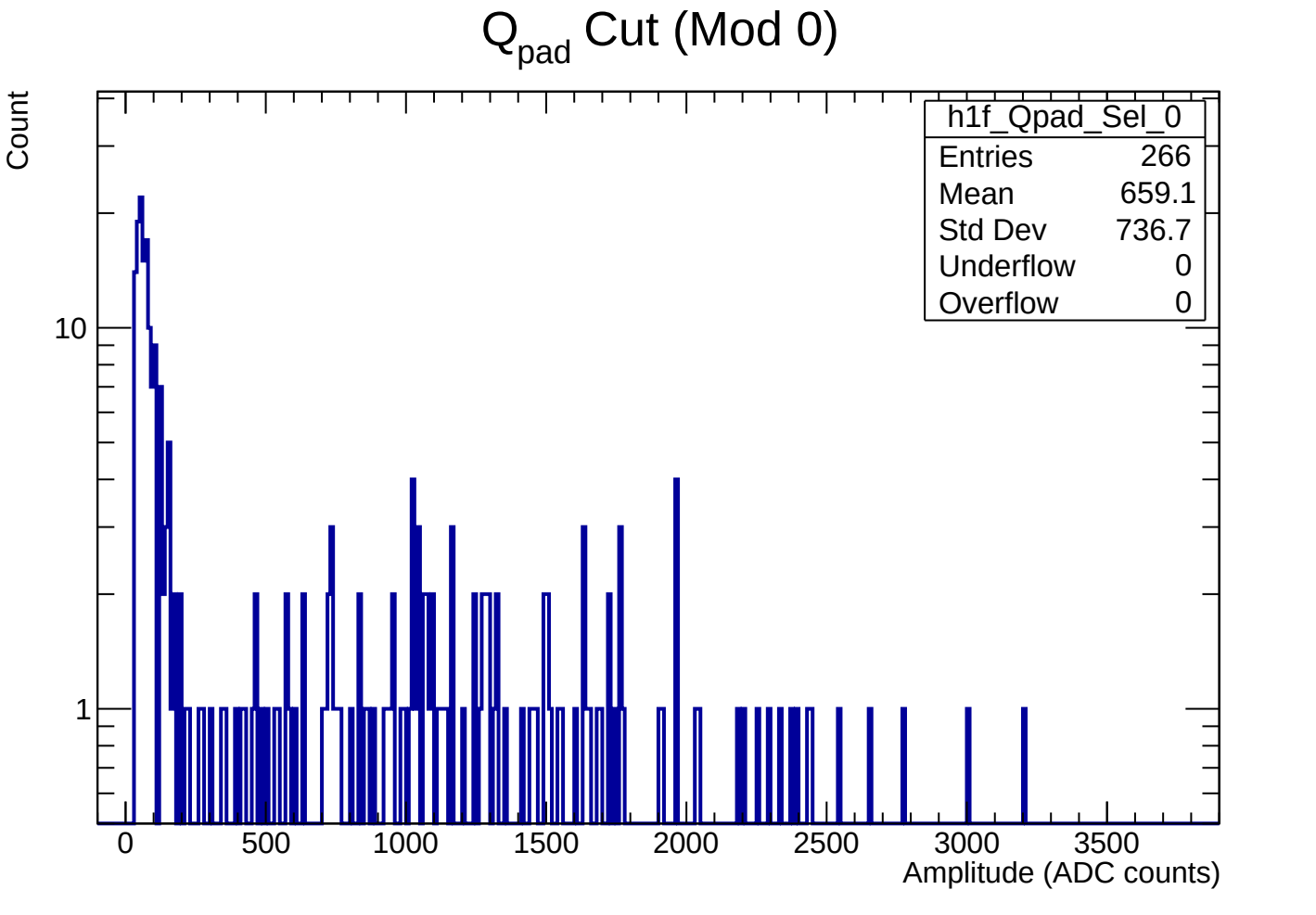

Q_{lead} Raw (Mod 0)
Count
h1f_Qlead_Raw_0
Entries 39737
Mean 2374
Std Dev 883
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

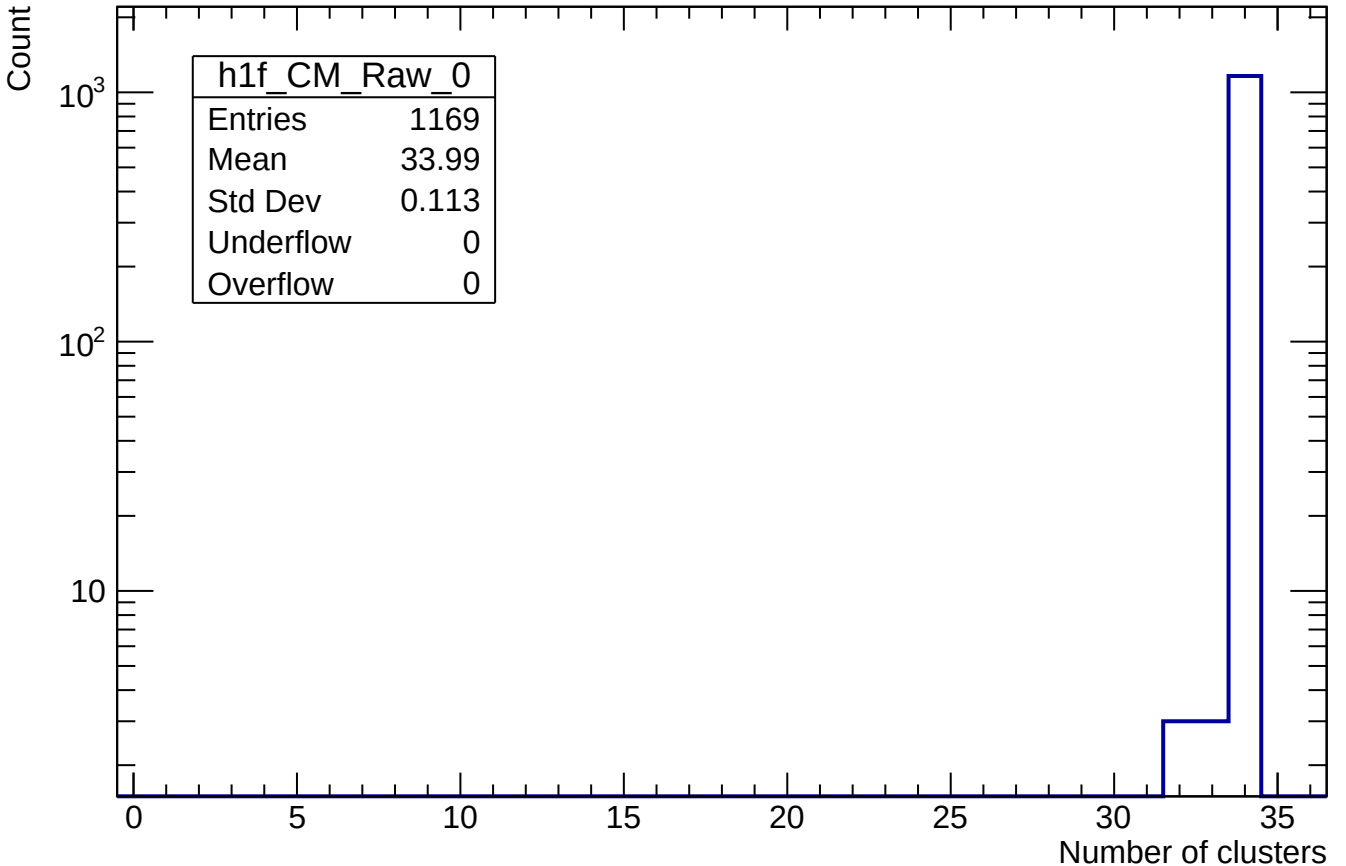

Q_{lead} Cut (Mod 0)
Count
Amplitude (ADC counts)
h1f_Qlead_Sel_0
Entries 68
Mean 1564
Std Dev 568.2
Underflow 0
Overflow 0
0
0.5
1
1.5
2
2.5
3
3.5
4
0
500
1000
1500
2000
2500
3000
3500

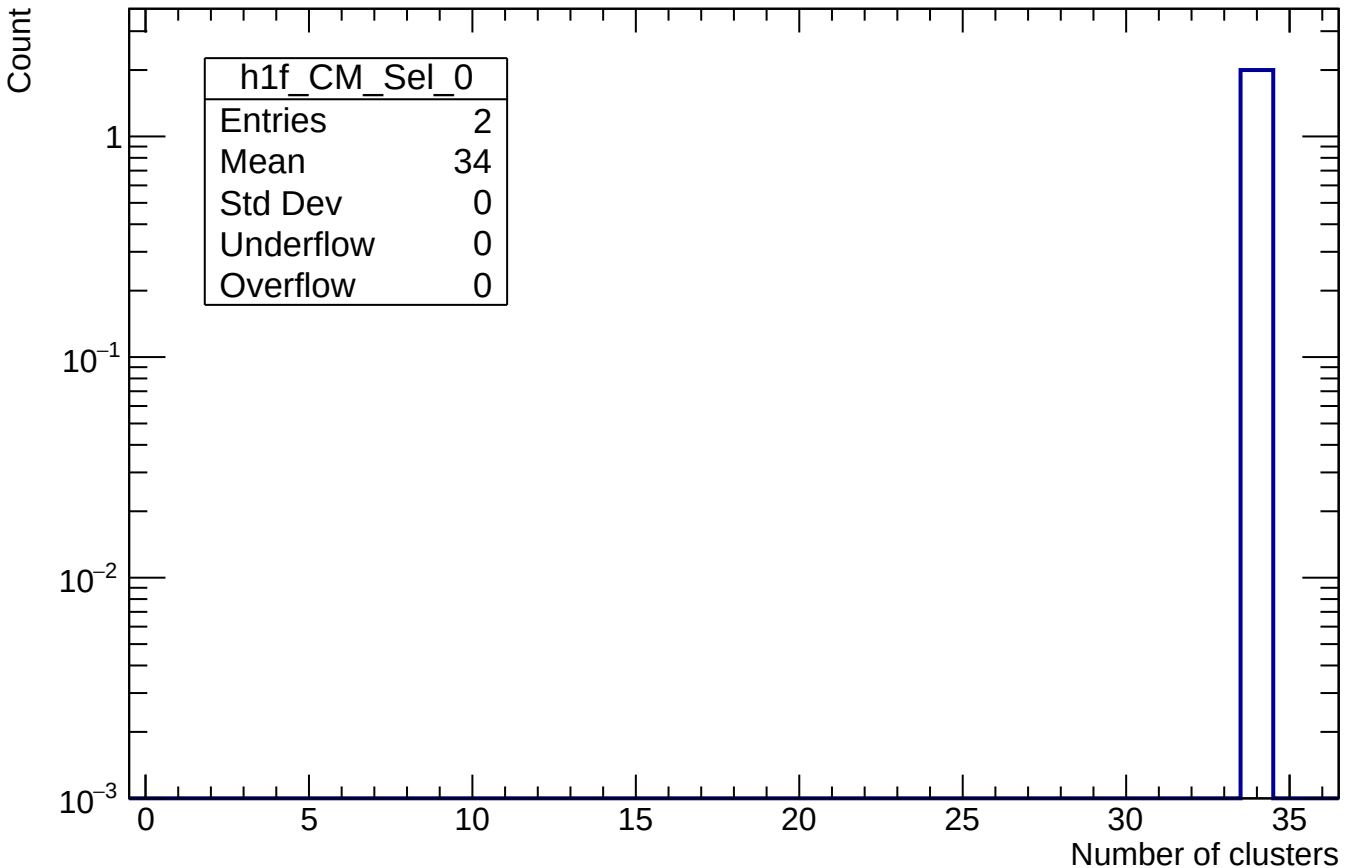

$Q_{neighbours}$ Raw (Mod 0)
Count
h1f_Qneigh_Raw_0
Entries 143742
Mean 282.1
Std Dev 427.4
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

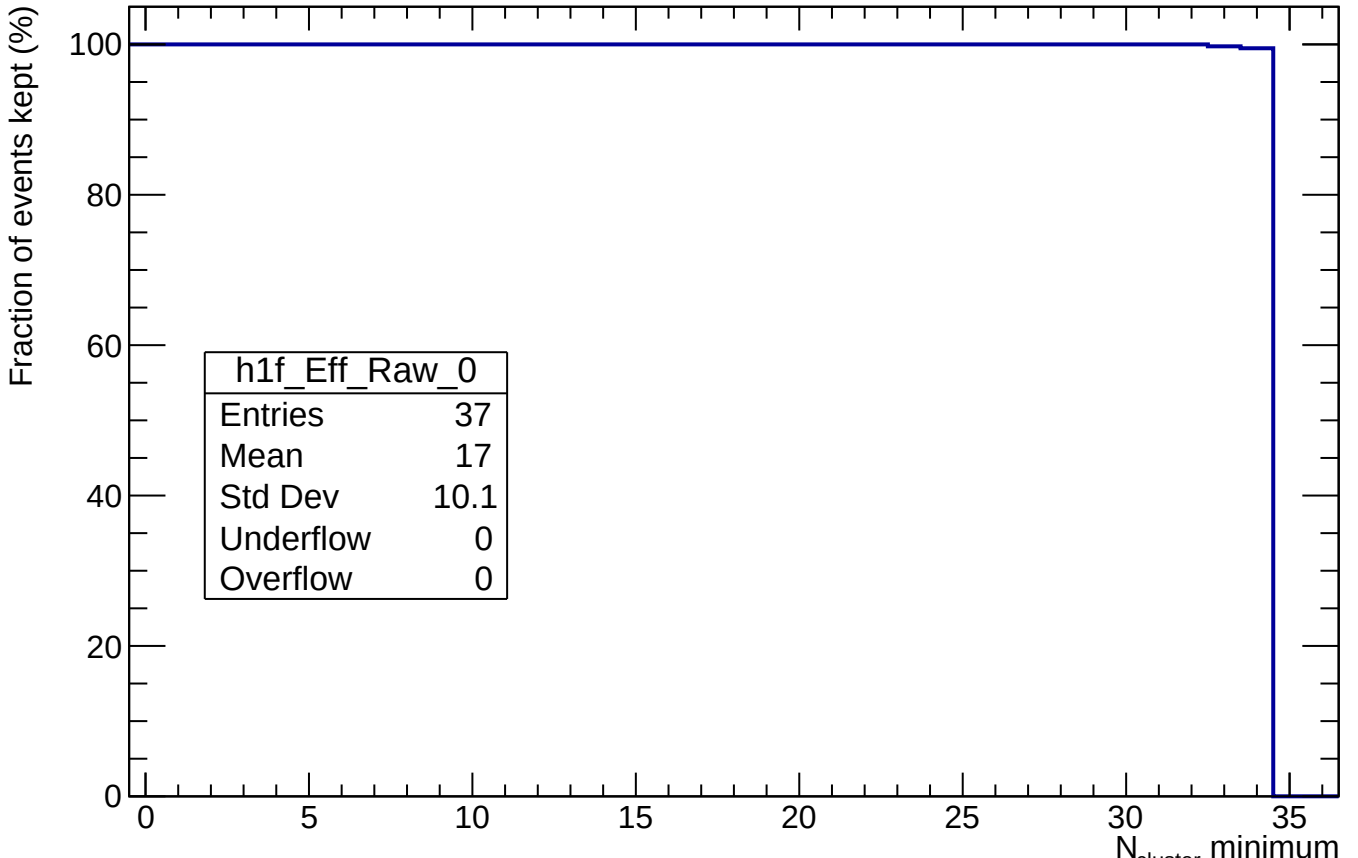

$Q_{neighbours}$ Cut (Mod 0)
Count
10
1
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Sel_0
Entries 198
Mean 348.1
Std Dev 489.8
Underflow 0
Overflow 0

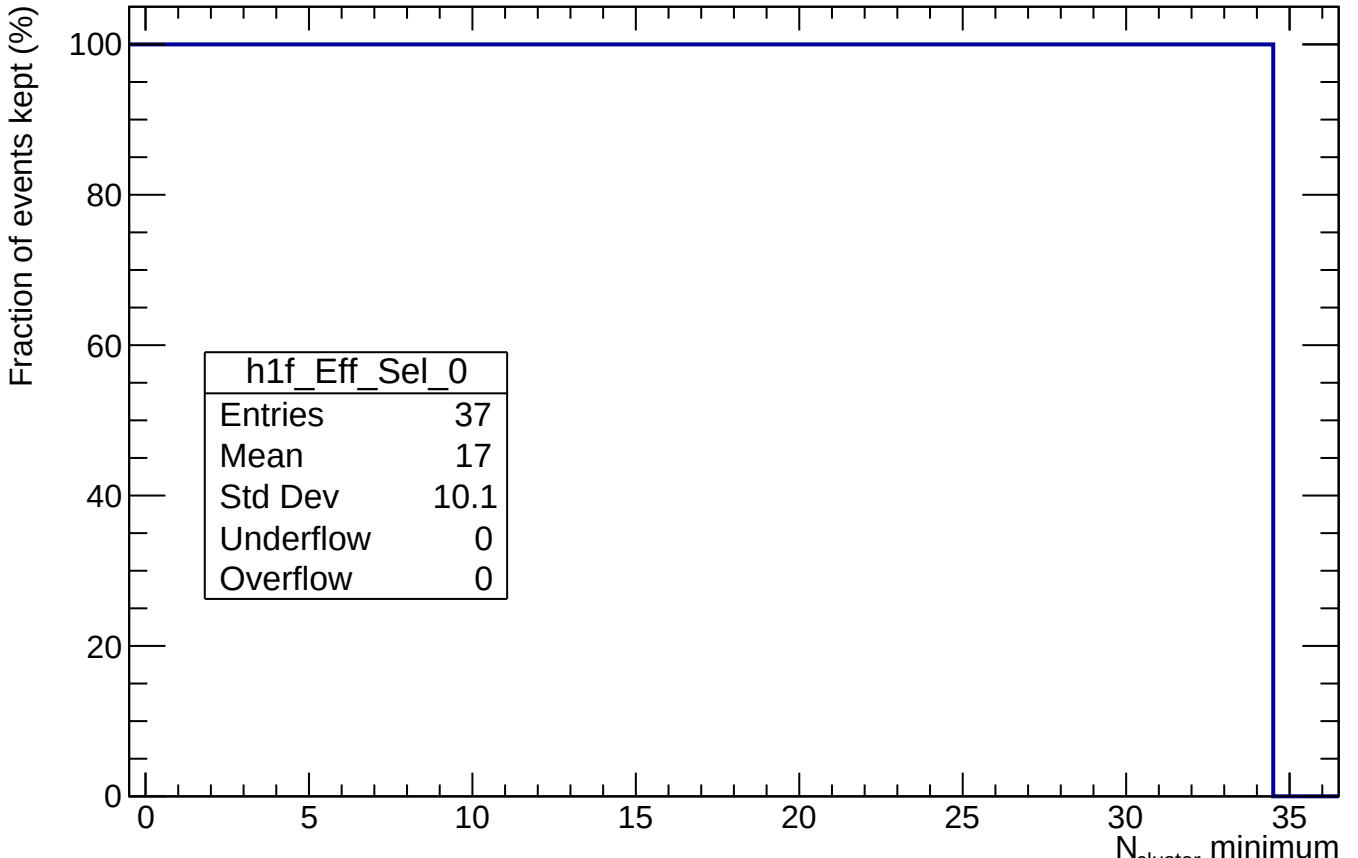

Q_{pad} Raw (Mod 0)
Count
10^4
10^3
10^2
10
h1f_Qpad_Raw_0
Entries 183479
Mean 735.2
Std Dev 1027
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

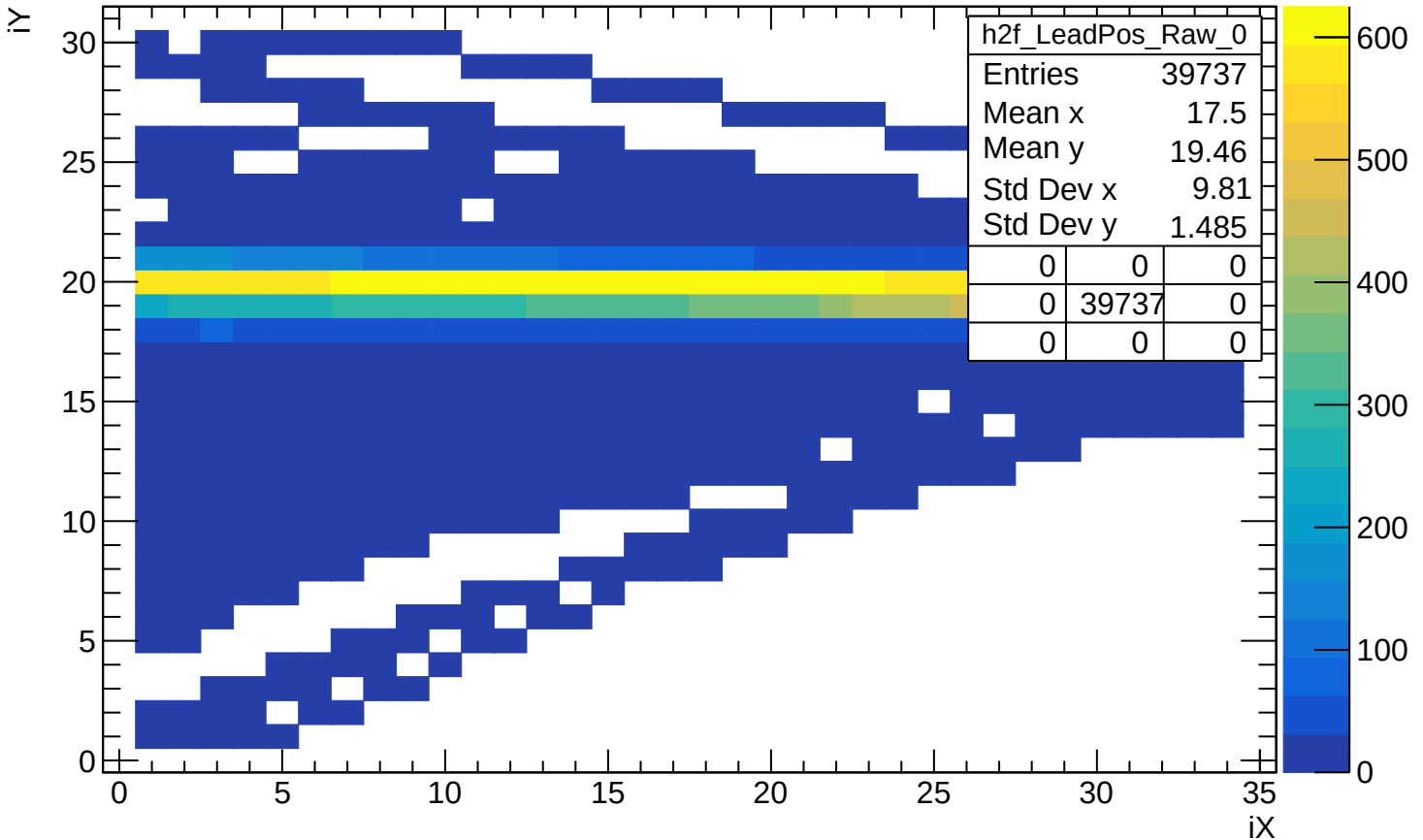

Q_{pad} Cut (Mod 0)
Count
10
1
h1f_Qpad_Sel_0
Entries 266
Mean 659.1
Std Dev 736.7
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

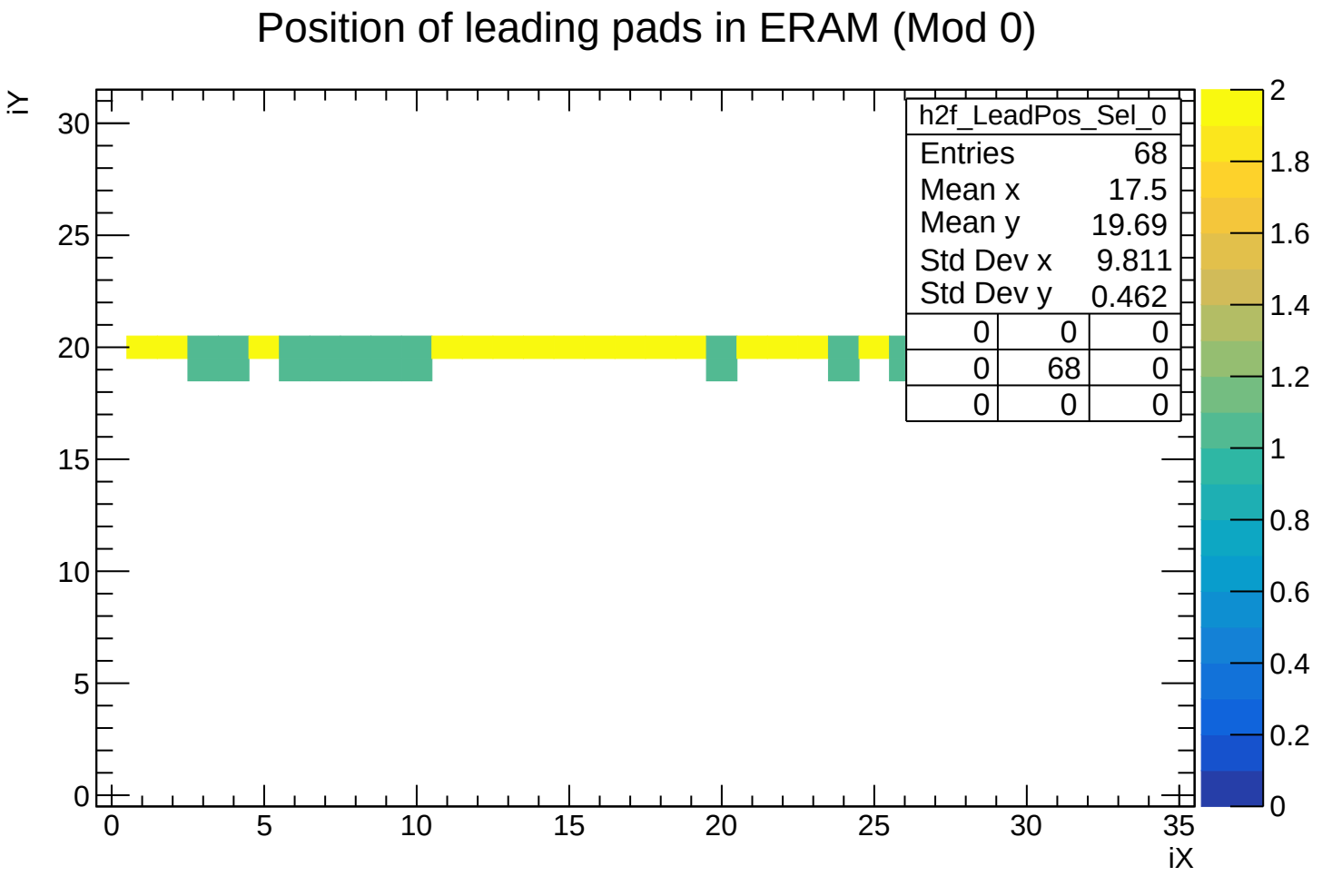

Number of clusters per module Raw (Mod 0)
Count
h1f_CM_Raw_0
Entries 1169
Mean 33.99
Std Dev 0.113
Underflow 0
Overflow 0
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

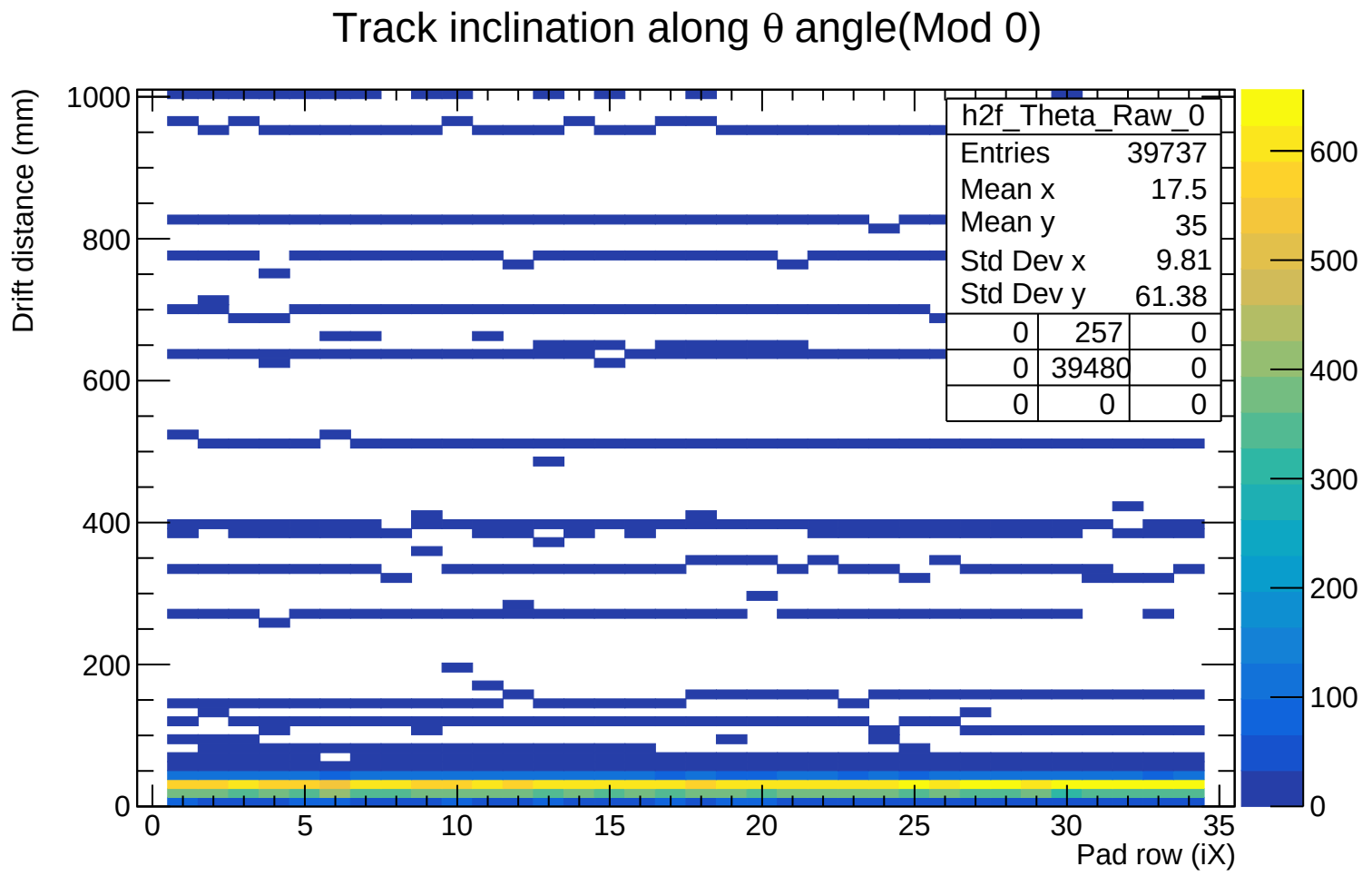

Number of clusters per module Cut (Mod 0)
h1f_CM_Sel_0
Entries 2
Mean 34
Std Dev 0
Underflow 0
Overflow 0
Count
1
10^{-1}
10^{-2}
10^{-3}
0
5
10
15
20
25
30
35
Number of clusters

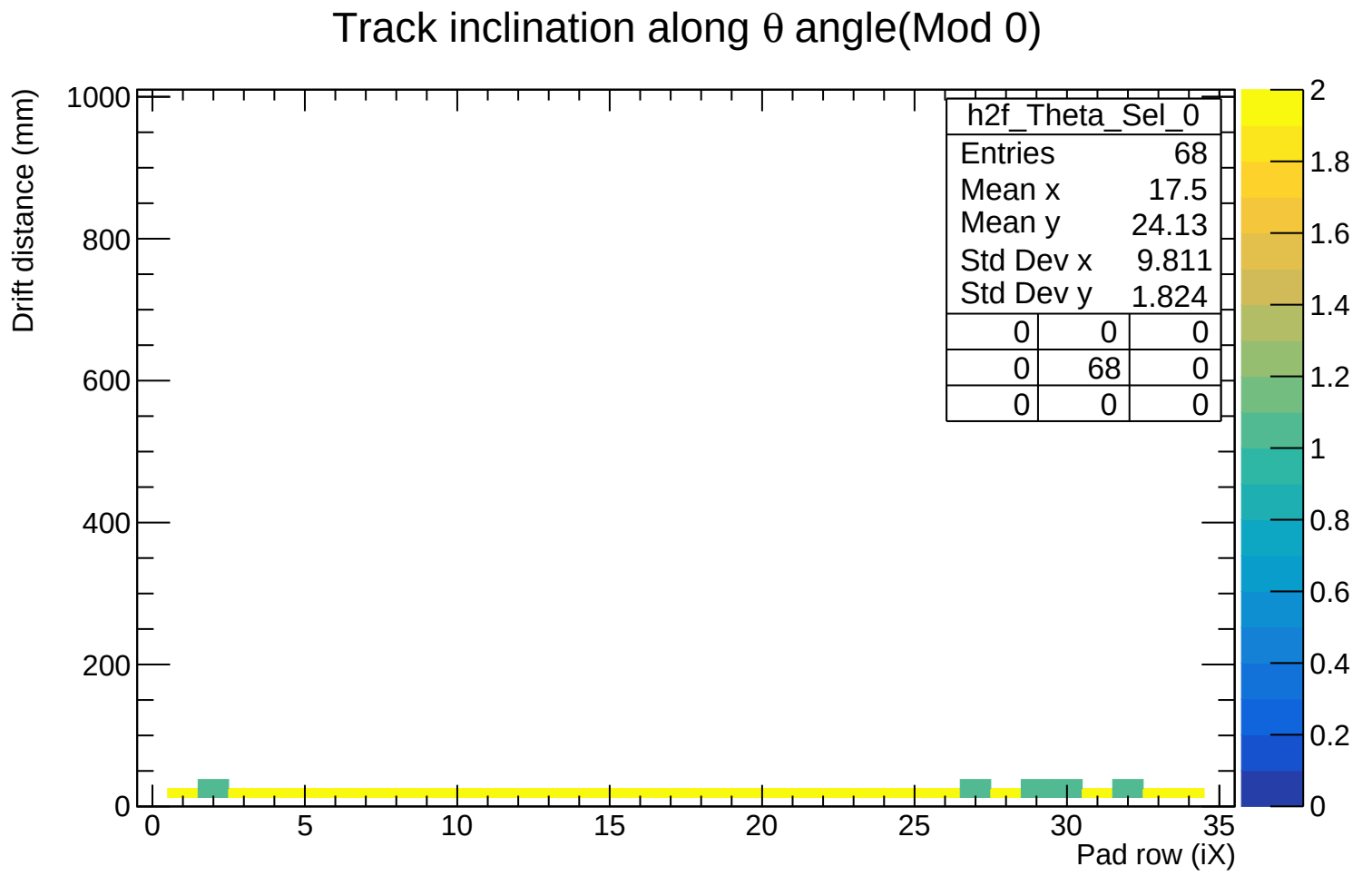

Efficiency : final fraction of events Raw (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
0
5
10
15
20
25
30
35
N cluster minimum
h1f_Eff_Raw_0
Entries 37
Mean 17
Std Dev 10.1
Underflow 0
Overflow 0


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 39737
Mean x 17.5
Mean y 19.46
Std Dev x 9.81
Std Dev y 1.485
0 0 0
0 39737 0
0 0 0
iY
iX
0
5
10
15
20
25
30
35
100
200
300
400
500
600


Position of leading pads in ERAM (Mod 0)
iY
iX
h2f_LeadPos_Sel_0
Entries 68
Mean x 17.5
Mean y 19.69
Std Dev x 9.811
Std Dev y 0.462
0 0 0
0 68 0
0 0 0
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2


Track inclination along θ angle(Mod 0)
Drift distance (mm)
Pad row (iX)
h2f_Theta_Raw_0
Entries 39737
Mean x 17.5
Mean y 35
Std Dev x 9.81
Std Dev y 61.38
0 257 0
0 39480 0
0 0 0
0
200
400
600
800
1000
0
5
10
15
20
25
30
35
0
100
200
300
400
500
600


Track inclination along θ angle(Mod 0)
h2f_Theta_Sel_0
Entries 68
Mean x 17.5
Mean y 24.13
Std Dev x 9.811
Std Dev y 1.824
0 0 0
0 68 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
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2