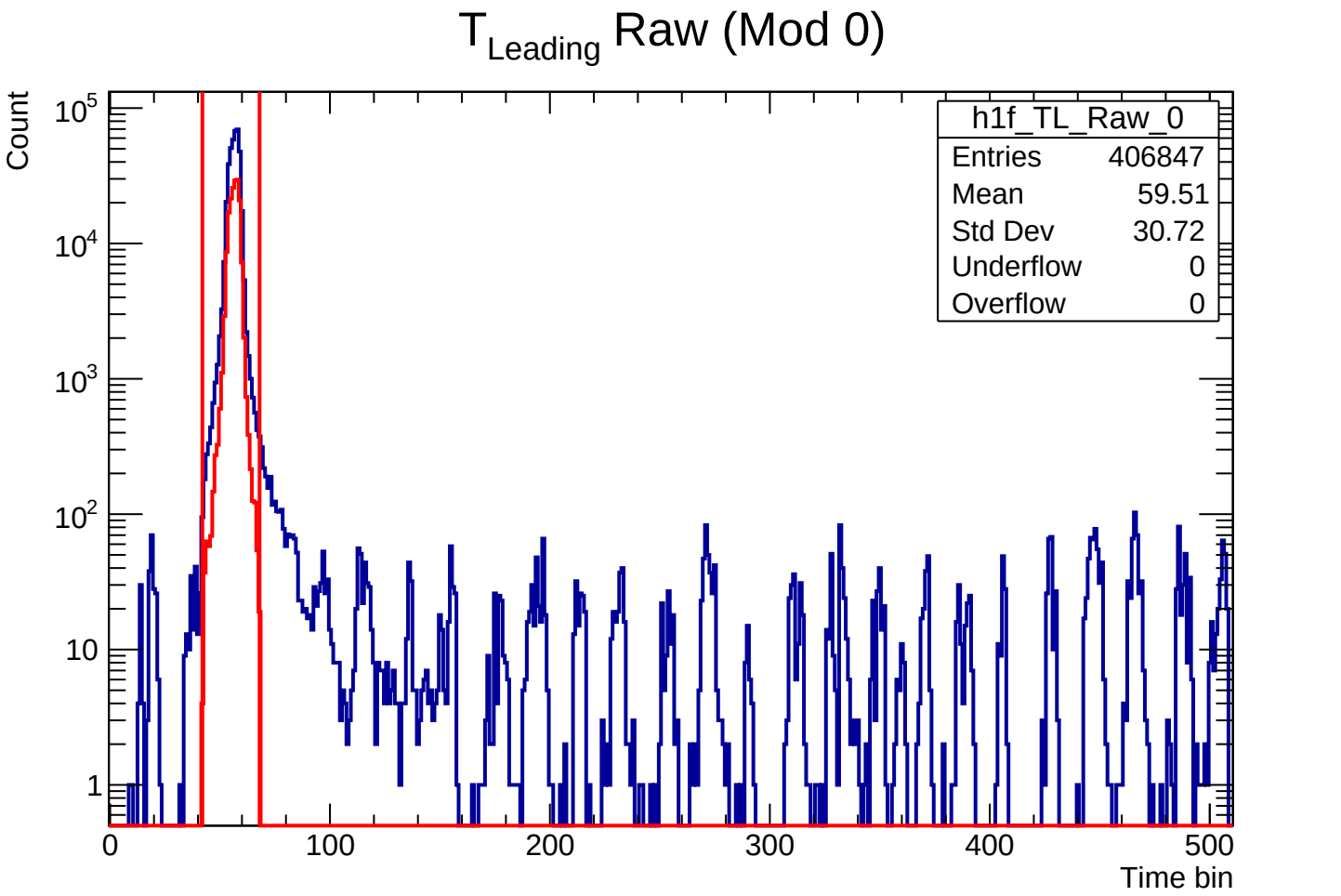
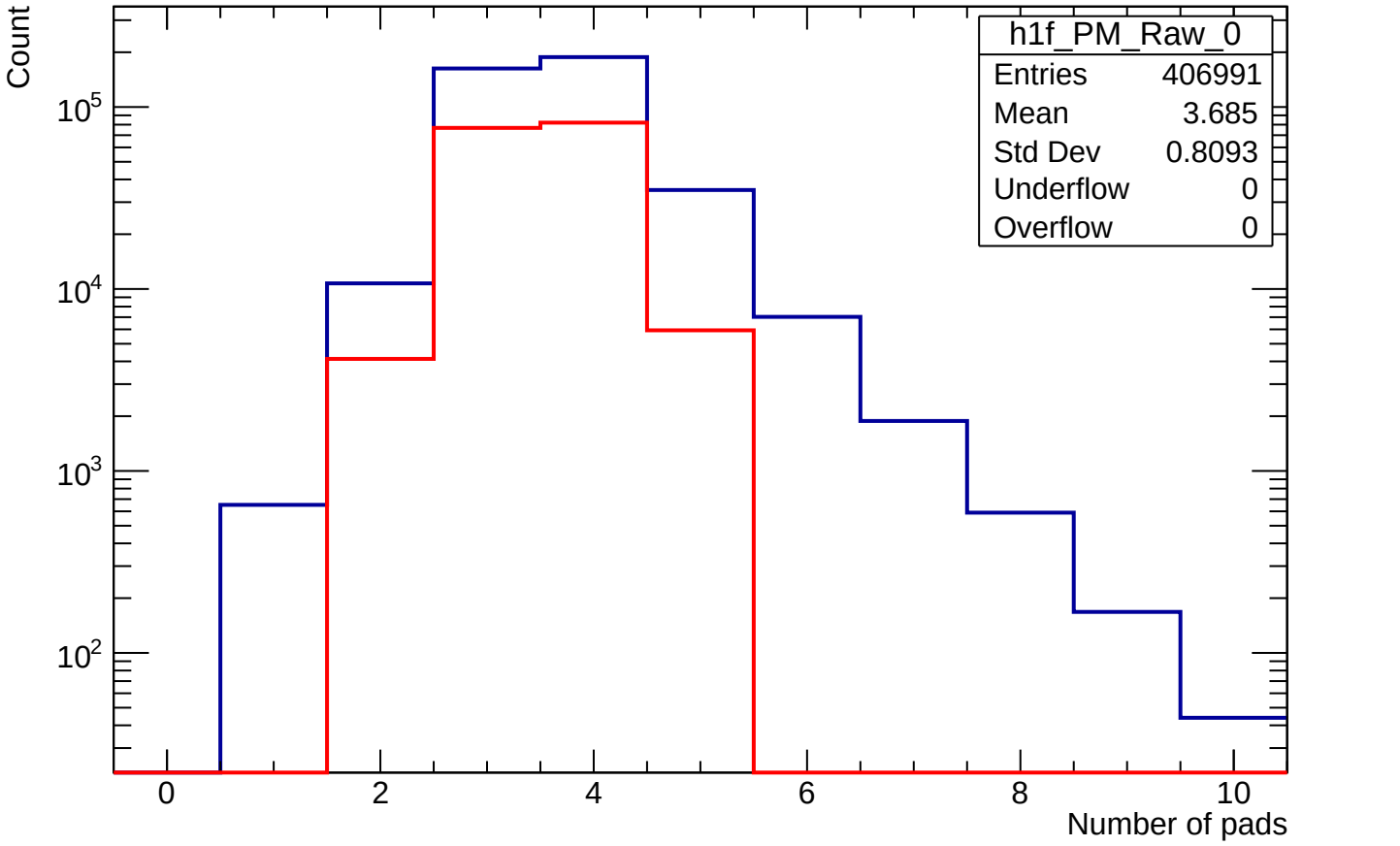
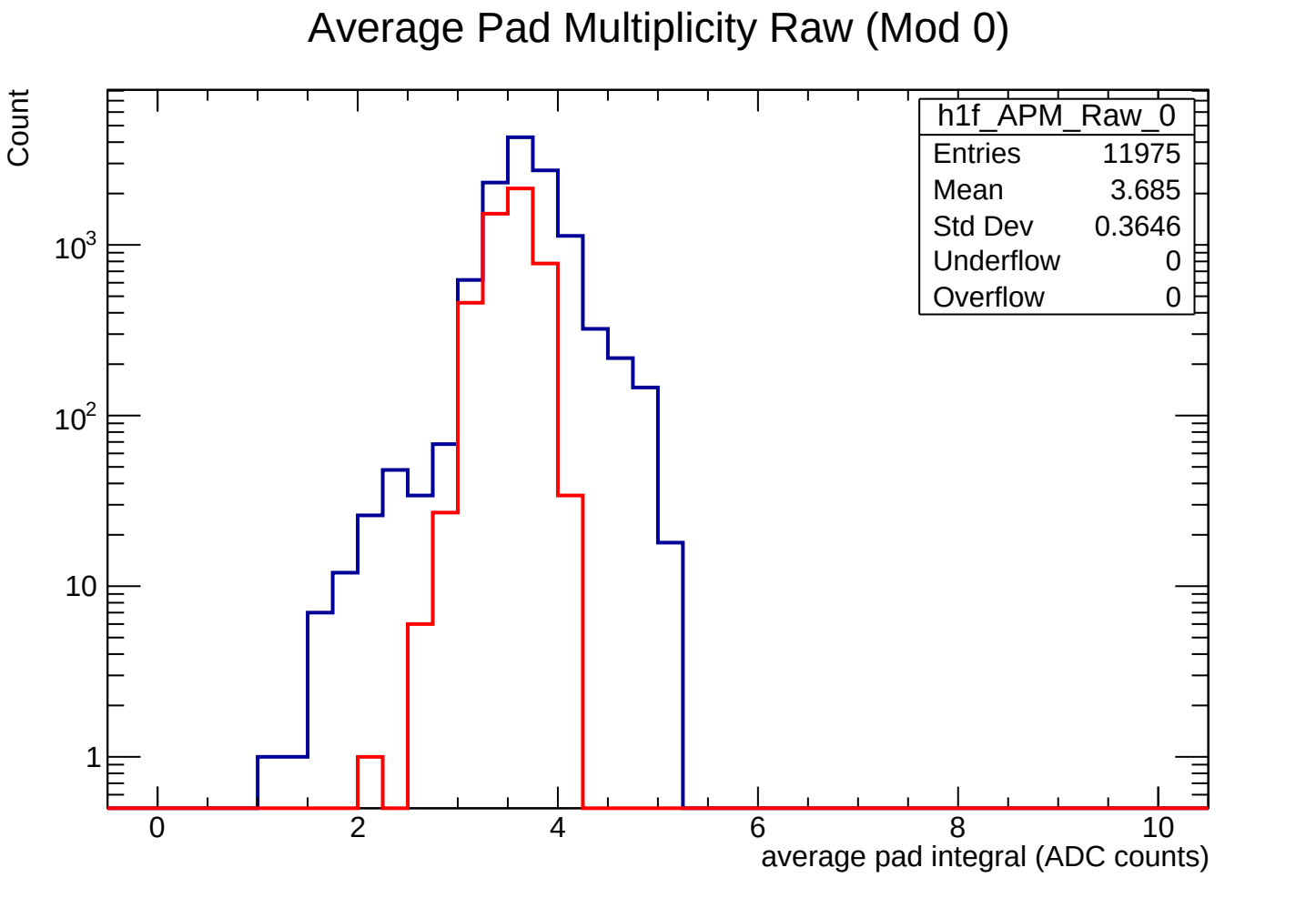
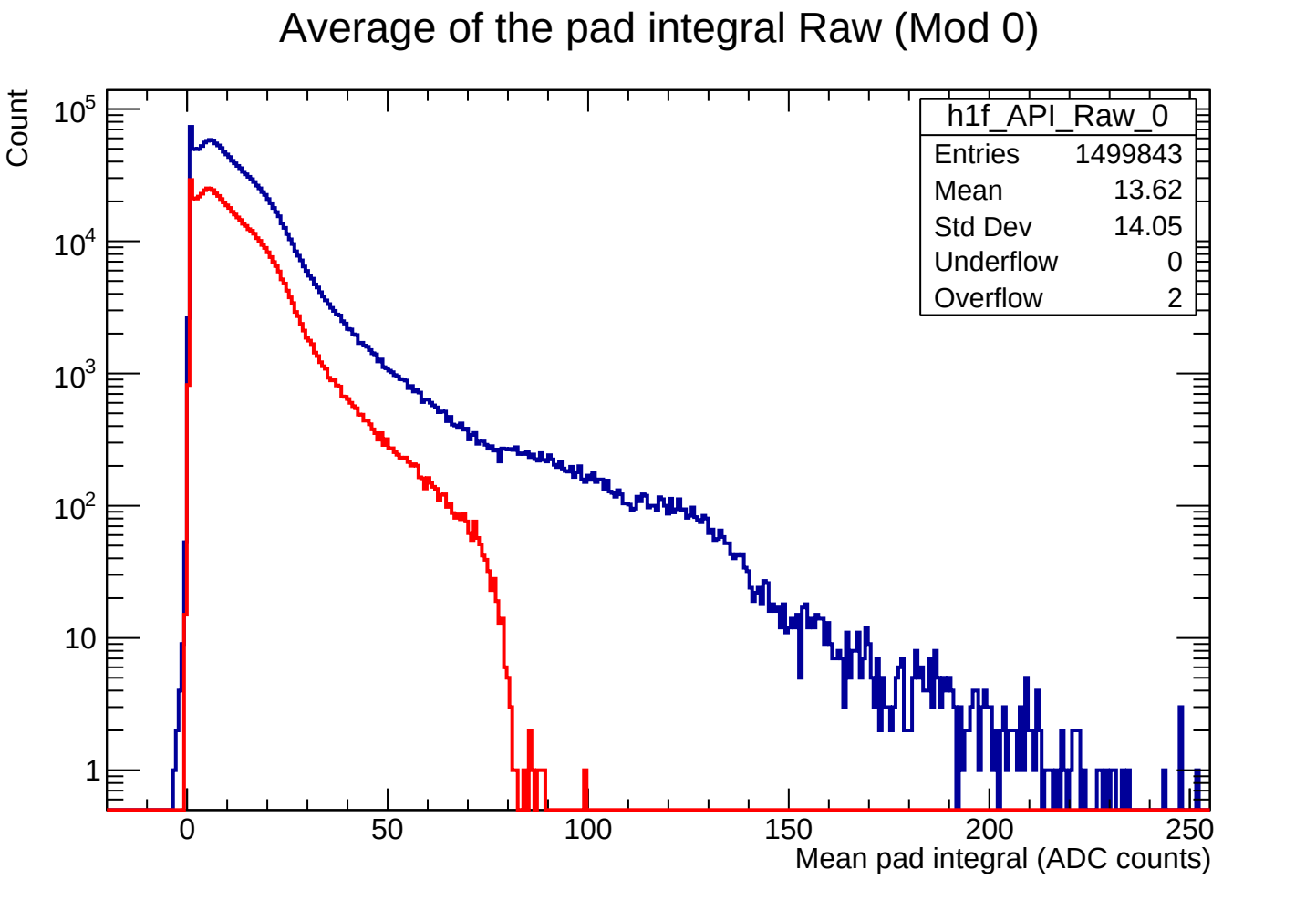
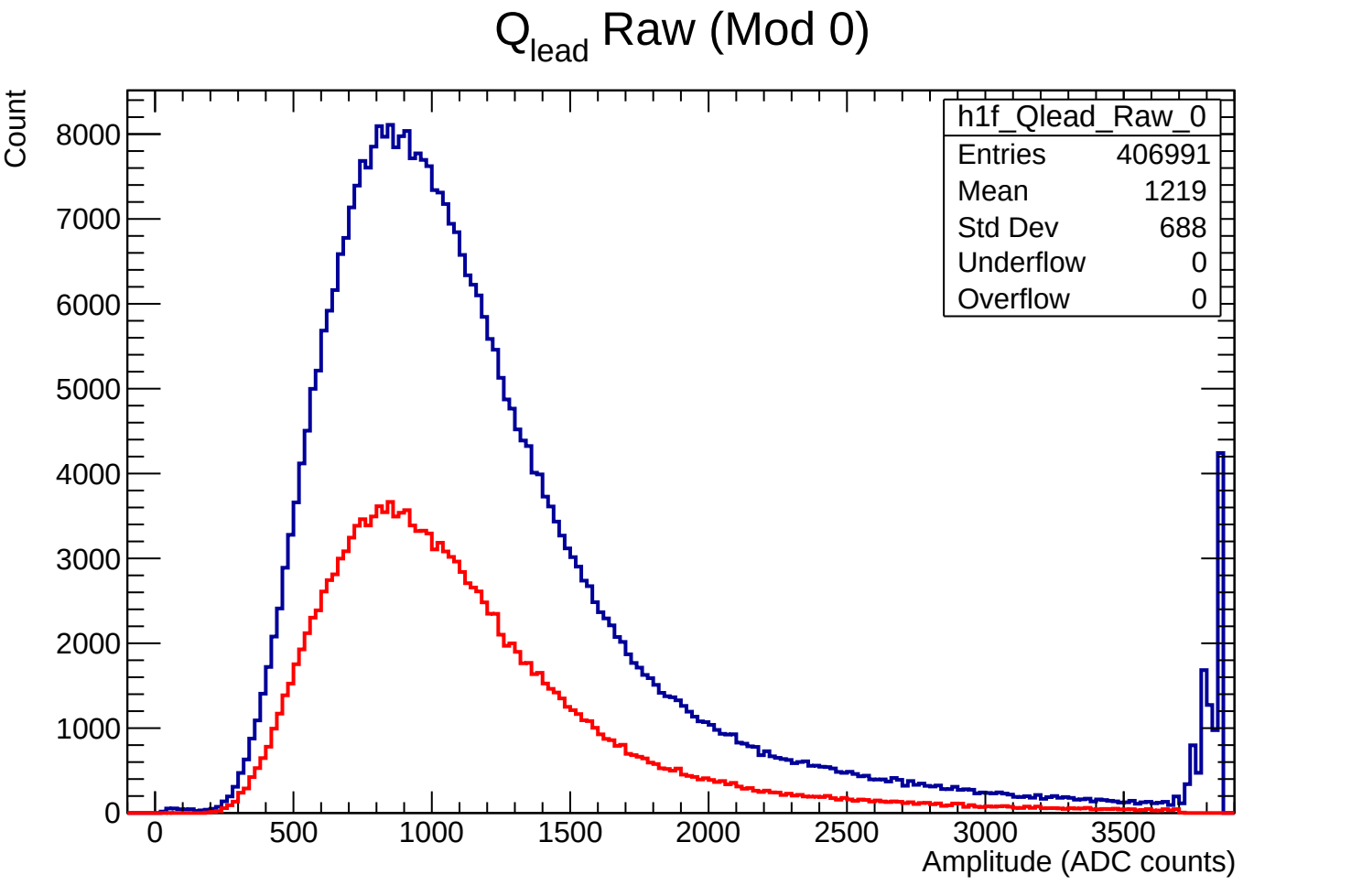
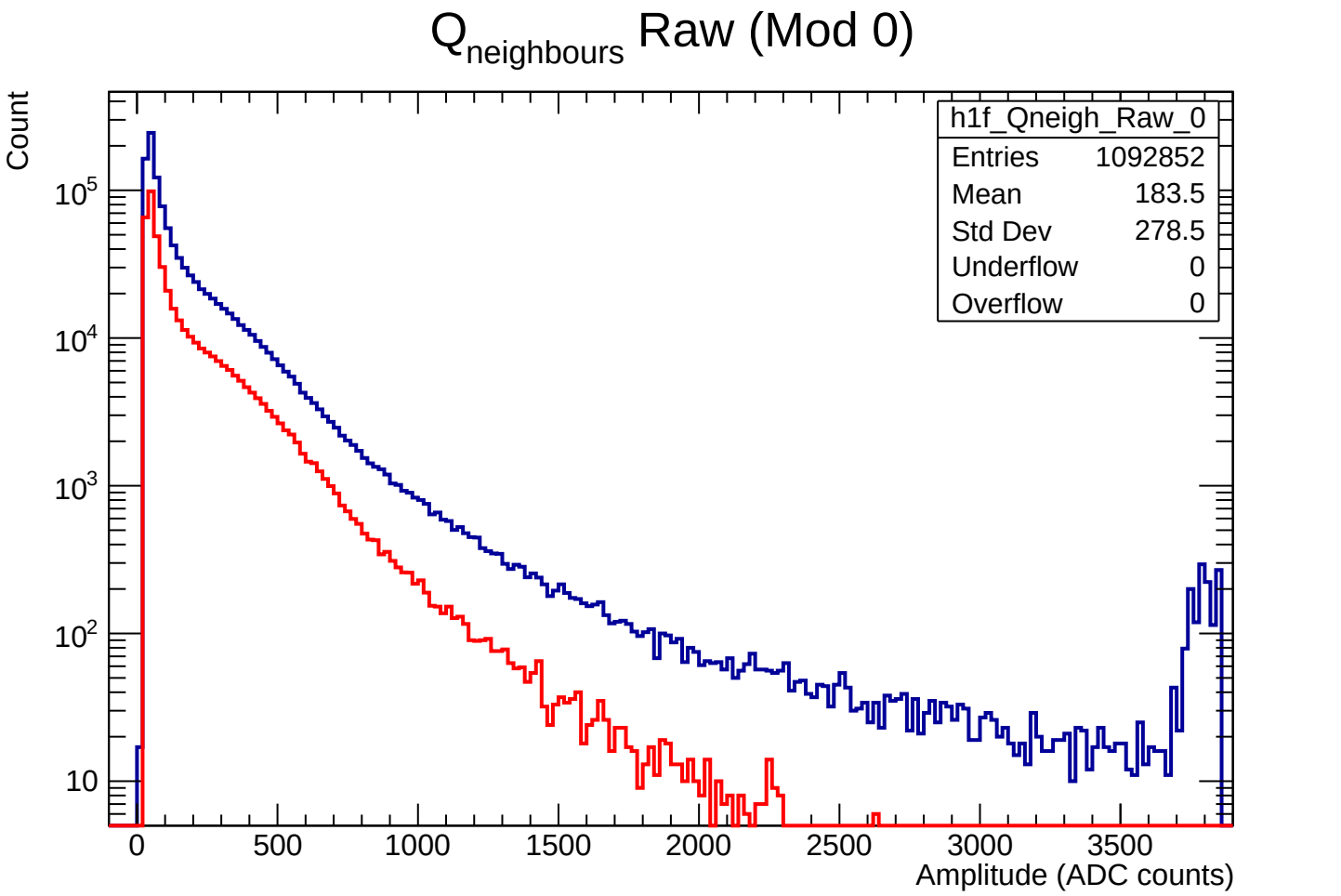

T Leading Raw (Mod 0)
Count
Time bin
h1f_TL_Raw_0
Entries 406847
Mean 59.51
Std Dev 30.72
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
100
200
300
400
500

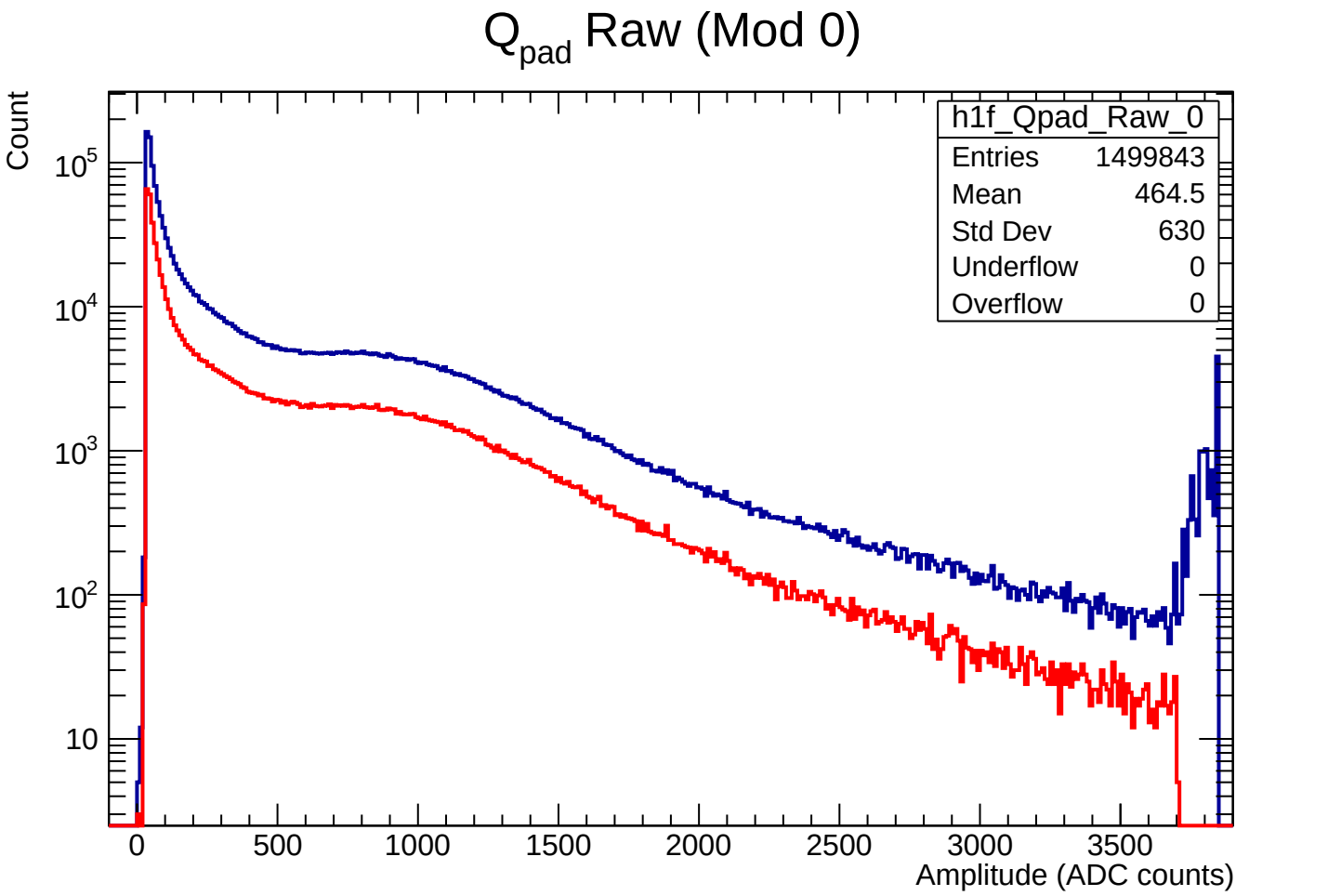

Pad Multiplicity Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
0
2
4
6
8
10
Number of pads
h1f_PM_Raw_0
Entries 406991
Mean 3.685
Std Dev 0.8093
Underflow 0
Overflow 0

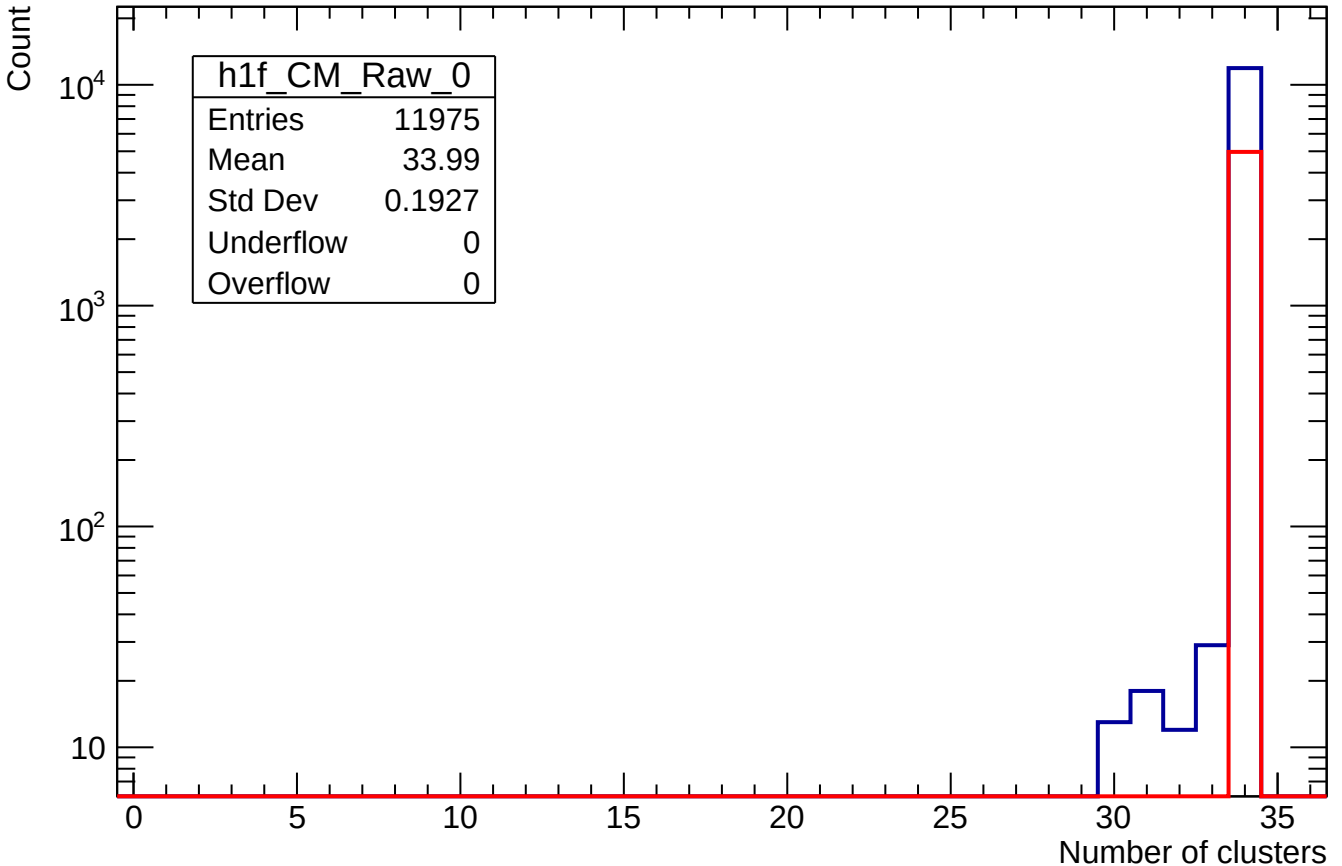

Average Pad Multiplicity Raw (Mod 0)
Count
h1f_APM_Raw_0
Entries 11975
Mean 3.685
Std Dev 0.3646
Underflow 0
Overflow 0
10^3
10^2
10
1
0
2
4
6
8
10
average pad integral (ADC counts)

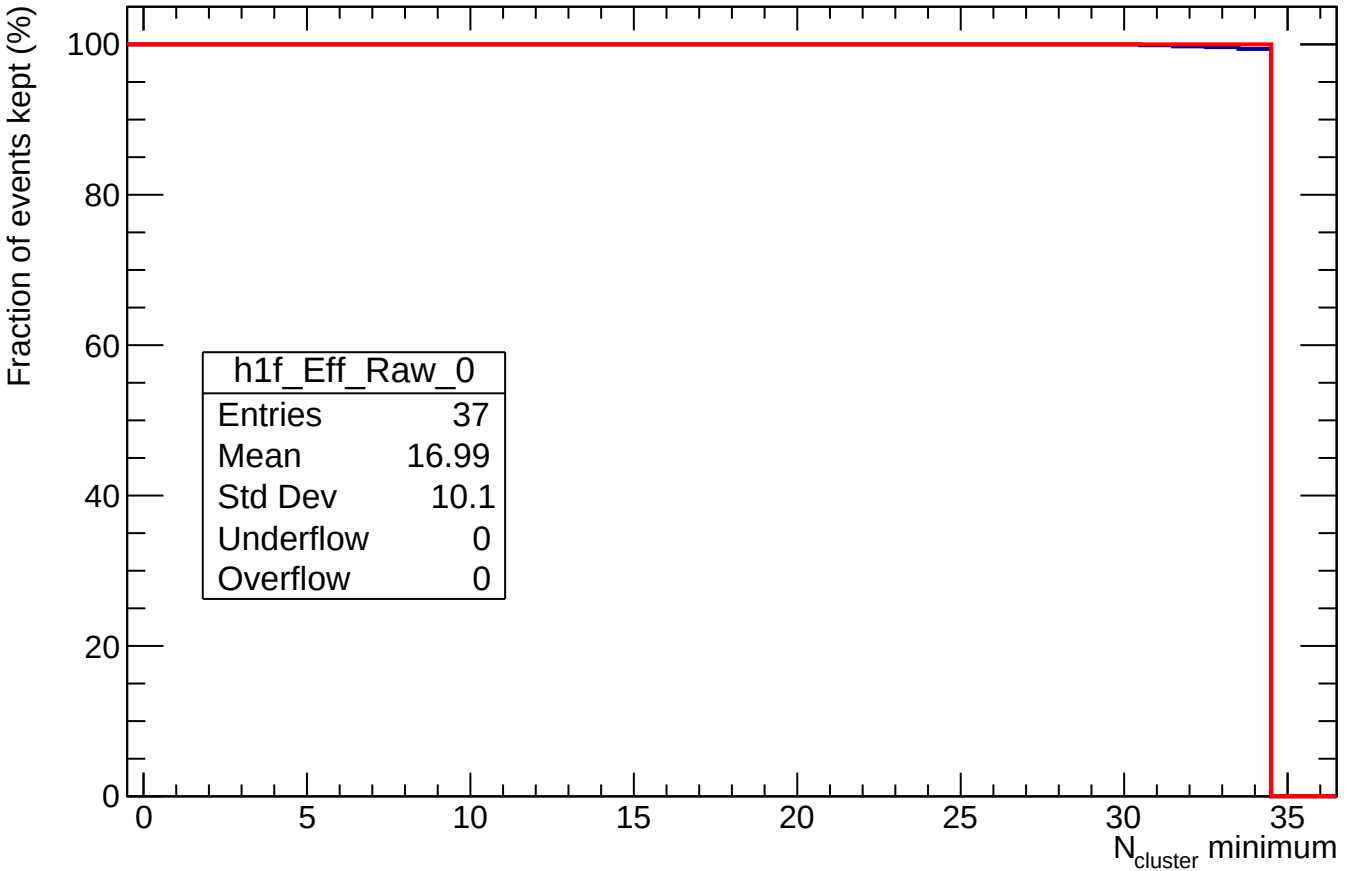

Average of the pad integral Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Mean pad integral (ADC counts)
h1f_API_Raw_0
Entries 1499843
Mean 13.62
Std Dev 14.05
Underflow 0
Overflow 2

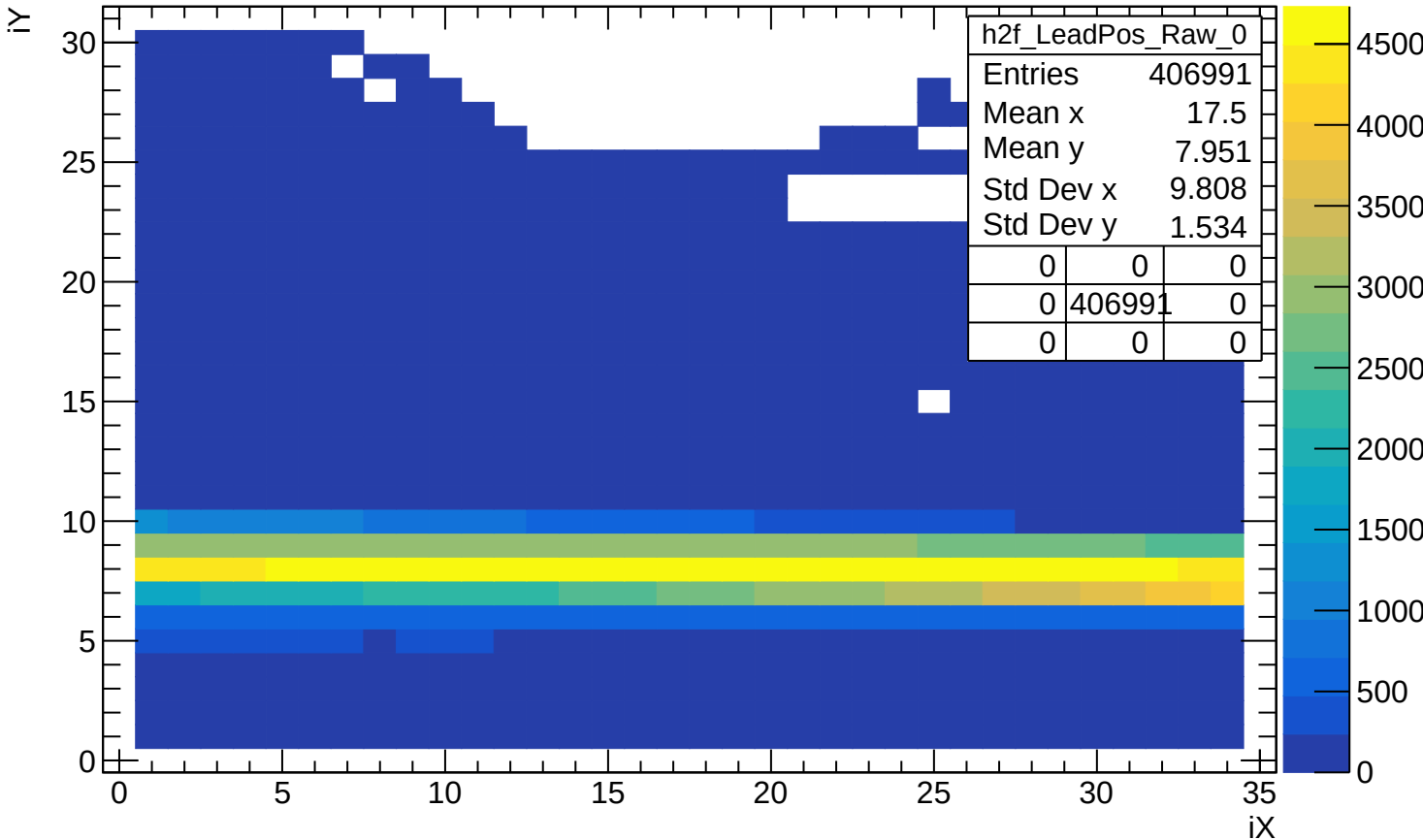

Q_{lead} Raw (Mod 0)
Count
8000
7000
6000
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qlead_Raw_0
Entries 406991
Mean 1219
Std Dev 688
Underflow 0
Overflow 0

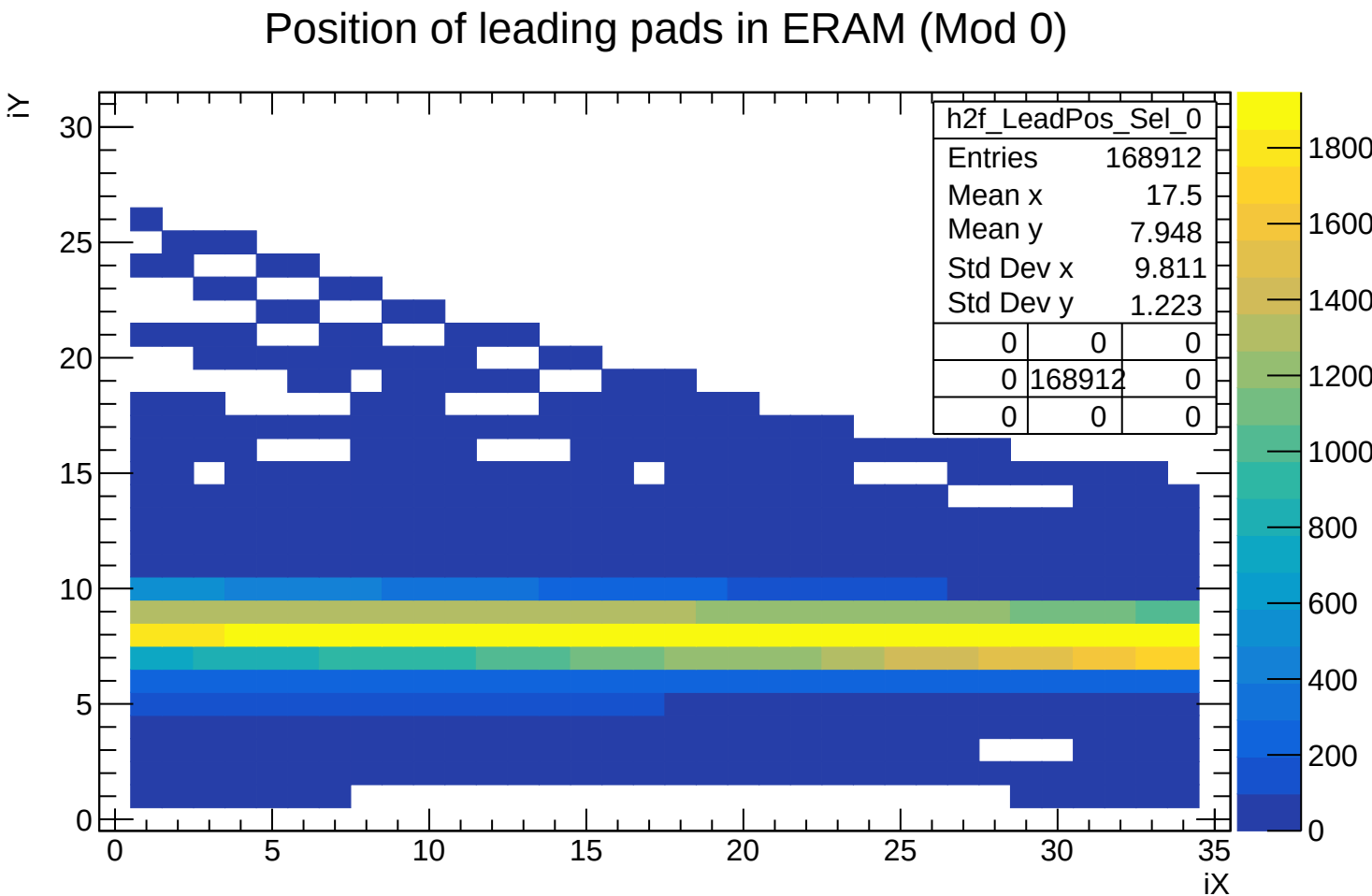

$Q_{neighbours}$ Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)
h1f_Qneigh_Raw_0
Entries 1092852
Mean 183.5
Std Dev 278.5
Underflow 0
Overflow 0

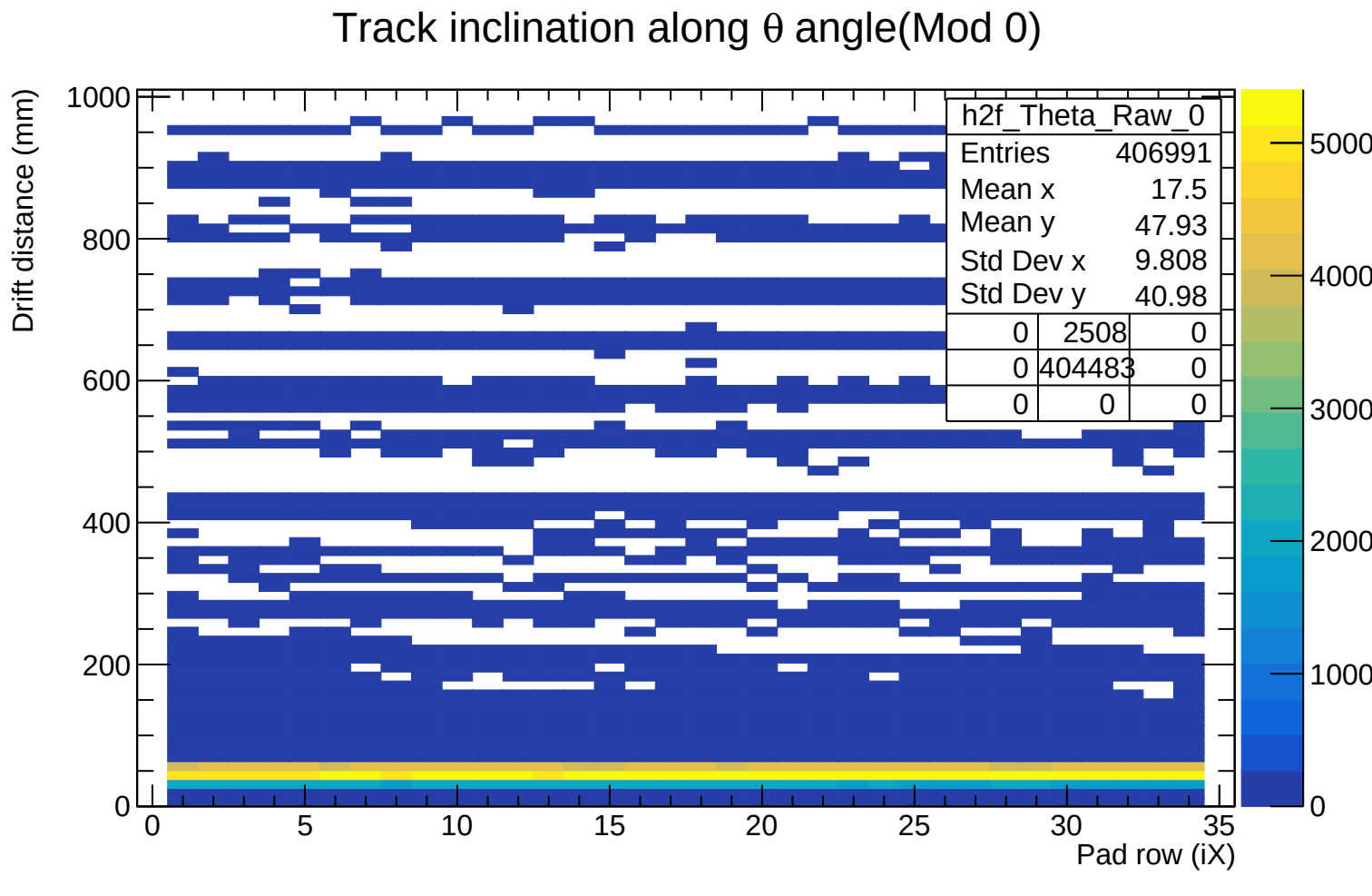

Q_{pad} Raw (Mod 0)
Count
10^5
10^4
10^3
10^2
10
h1f_Qpad_Raw_0
Entries 1499843
Mean 464.5
Std Dev 630
Underflow 0
Overflow 0
0
500
1000
1500
2000
2500
3000
3500
Amplitude (ADC counts)

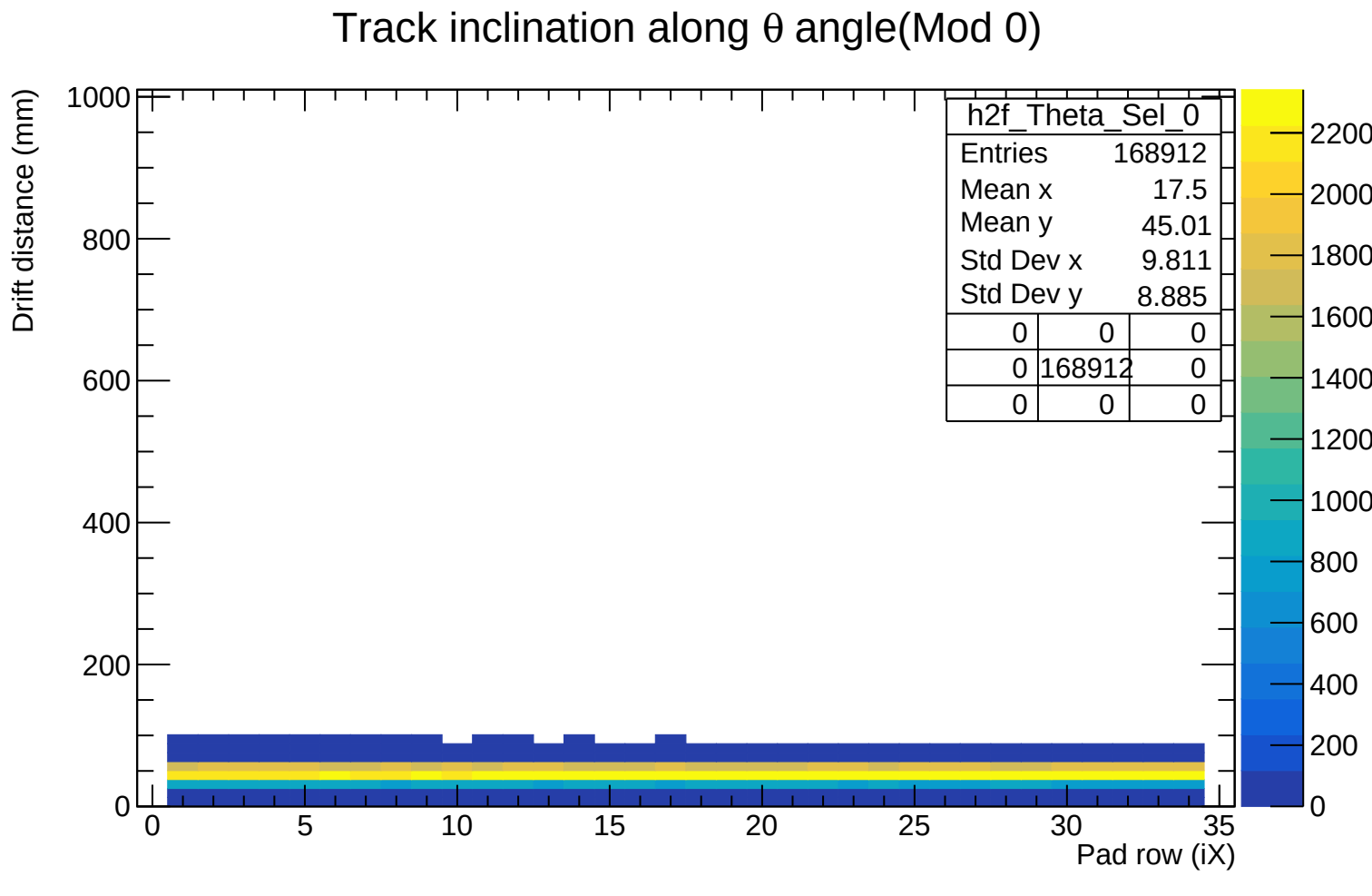

Number of clusters per module Raw (Mod 0)
Count
h1f_CM_Raw_0
Entries 11975
Mean 33.99
Std Dev 0.1927
Underflow 0
Overflow 0
10^4
10^3
10^2
10
0
5
10
15
20
25
30
35
Number of clusters

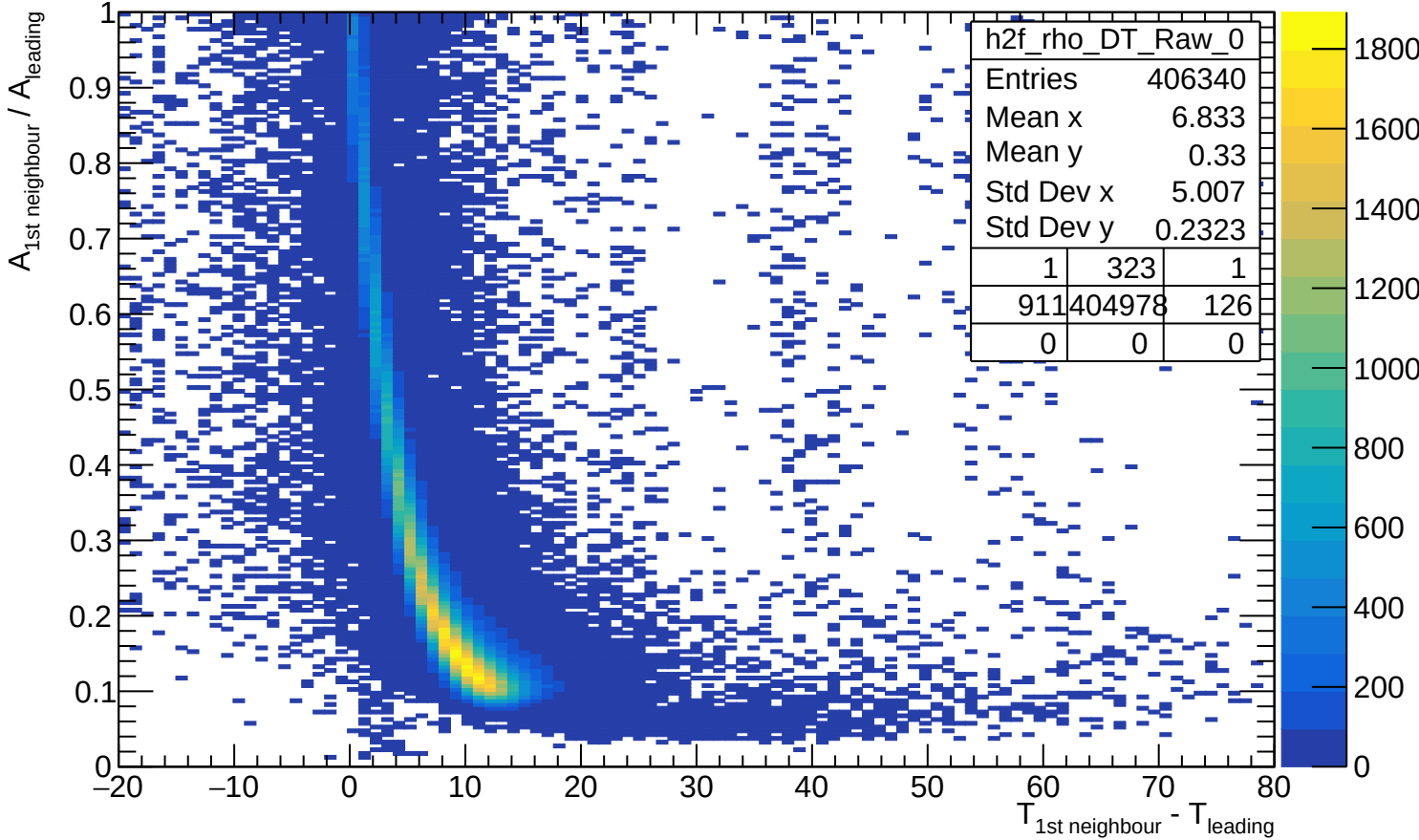

Efficiency : final fraction of events Raw (Mod 0)
Fraction of events kept (%)
100
80
60
40
20
0
0
5
10
15
20
25
30
35
N cluster minimum
h1f_Eff_Raw_0
Entries 37
Mean 16.99
Std Dev 10.1
Underflow 0
Overflow 0

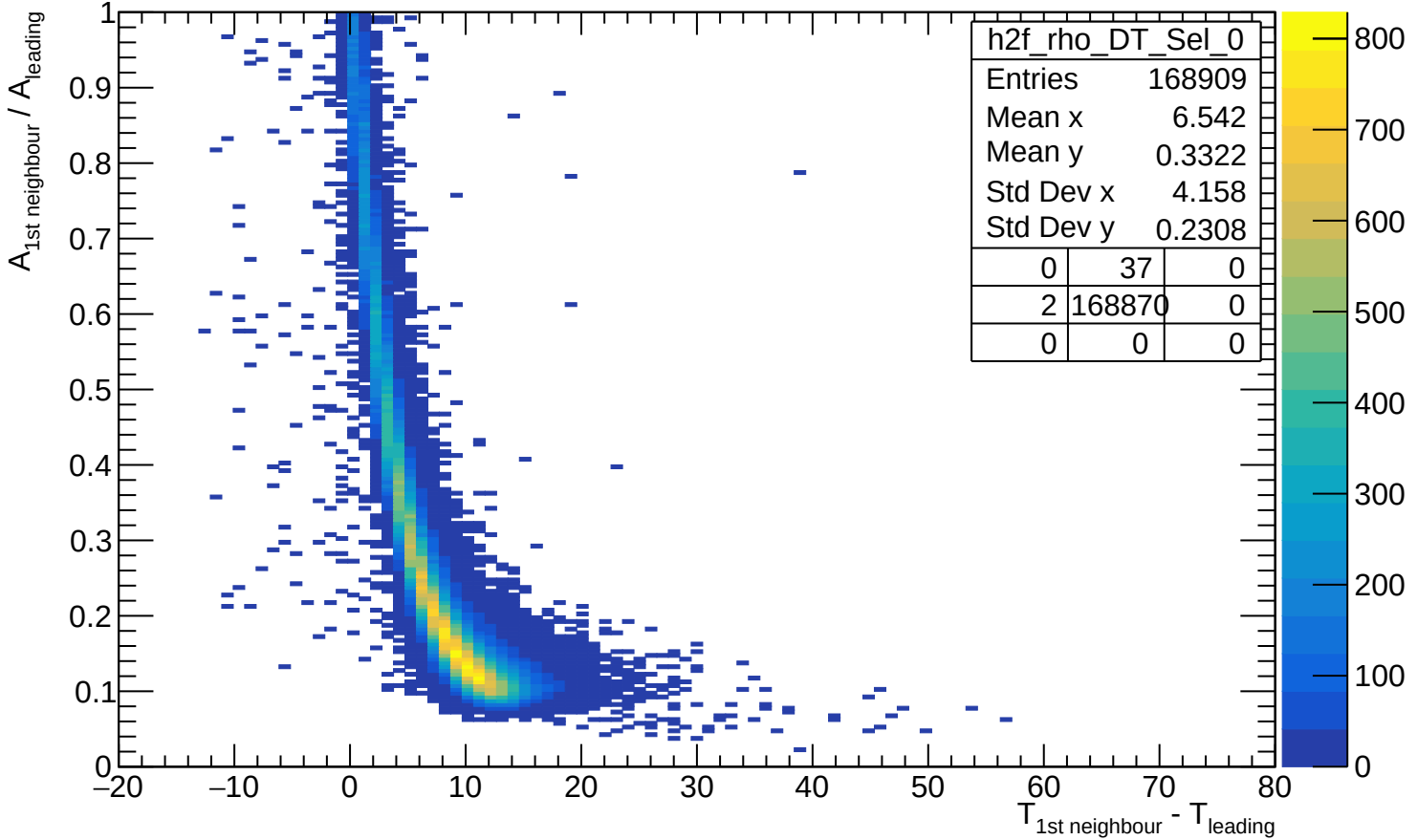

Position of leading pads in ERAM (Mod 0)
h2f_LeadPos_Raw_0
Entries 406991
Mean x 17.5
Mean y 7.951
Std Dev x 9.808
Std Dev y 1.534
0 0 0
0 406991 0
0 0 0
iY
iX
0
5
10
15
20
25
30
35
500
1000
1500
2000
2500
3000
3500
4000
4500


Position of leading pads in ERAM (Mod 0)
iY
iX
h2f_LeadPos_Sel_0
Entries 168912
Mean x 17.5
Mean y 7.948
Std Dev x 9.811
Std Dev y 1.223
0 0 0
0 168912 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 1600 1800


Track inclination along θ angle(Mod 0)
Drift distance (mm)
Pad row (iX)
h2f_Theta_Raw_0
Entries 406991
Mean x 17.5
Mean y 47.93
Std Dev x 9.808
Std Dev y 40.98
0 2508 0
0 404483 0
0 0 0
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)
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 168912
Mean x 17.5
Mean y 45.01
Std Dev x 9.811
Std Dev y 8.885
0 0 0
0 168912 0
0 0 0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0


A1st neighbour / Aleading vs T1st neighbour - Tleading (Mod 0)
A1st neighbour / Aleading
T1st neighbour - Tleading
h2f_rho_DT_Raw_0
Entries 406340
Mean x 6.833
Mean y 0.33
Std Dev x 5.007
Std Dev y 0.2323
1 323 1
911 404978 126
0 0 0


A1st neighbour / Aleading vs T1st neighbour - Tleading (Mod 0)
A1st neighbour / Aleading
T1st neighbour - Tleading
h2f_rho_DT_Sel_0
Entries 168909
Mean x 6.542
Mean y 0.3322
Std Dev x 4.158
Std Dev y 0.2308
0 37 0
2 168870 0
0 0 0