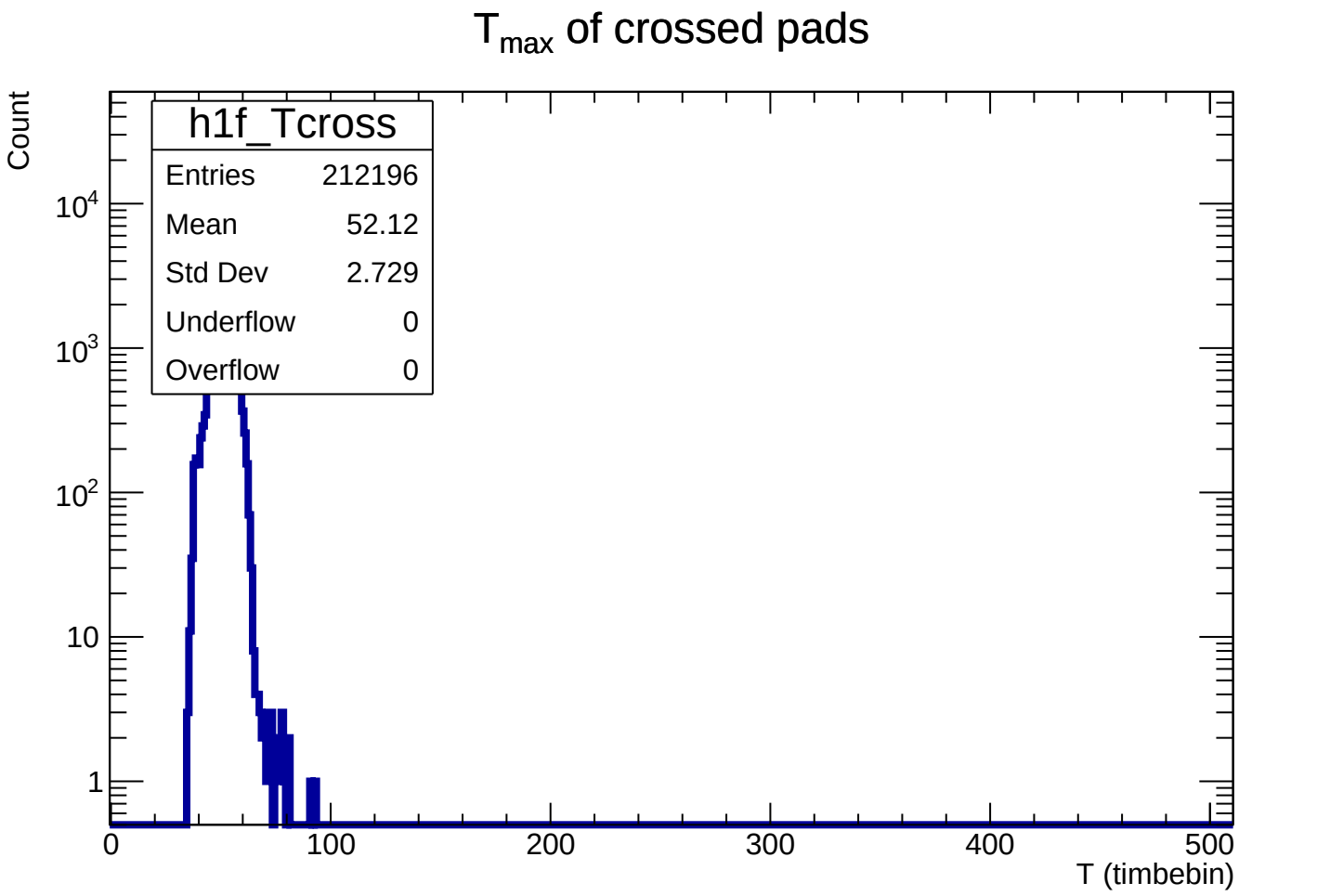
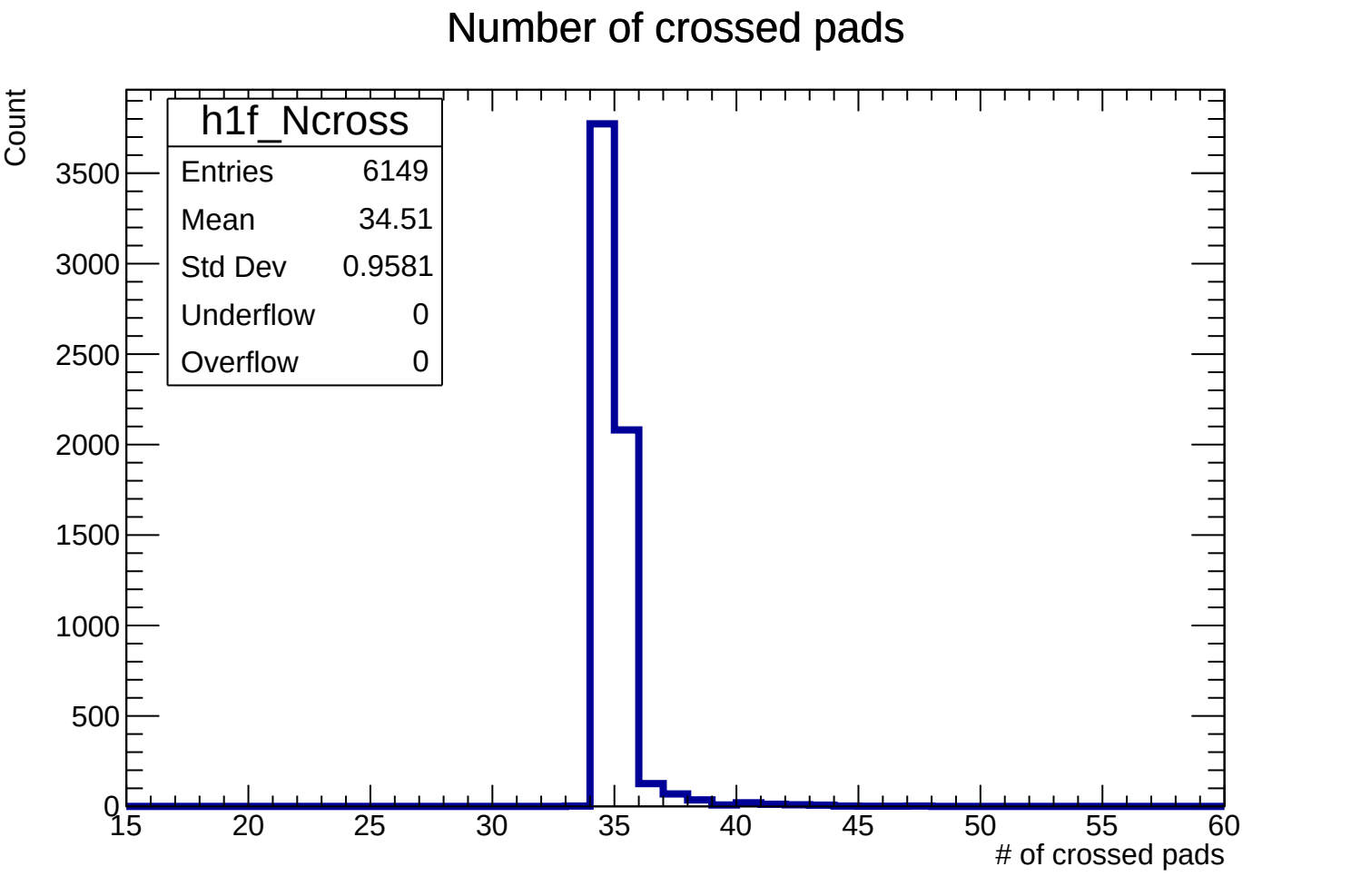
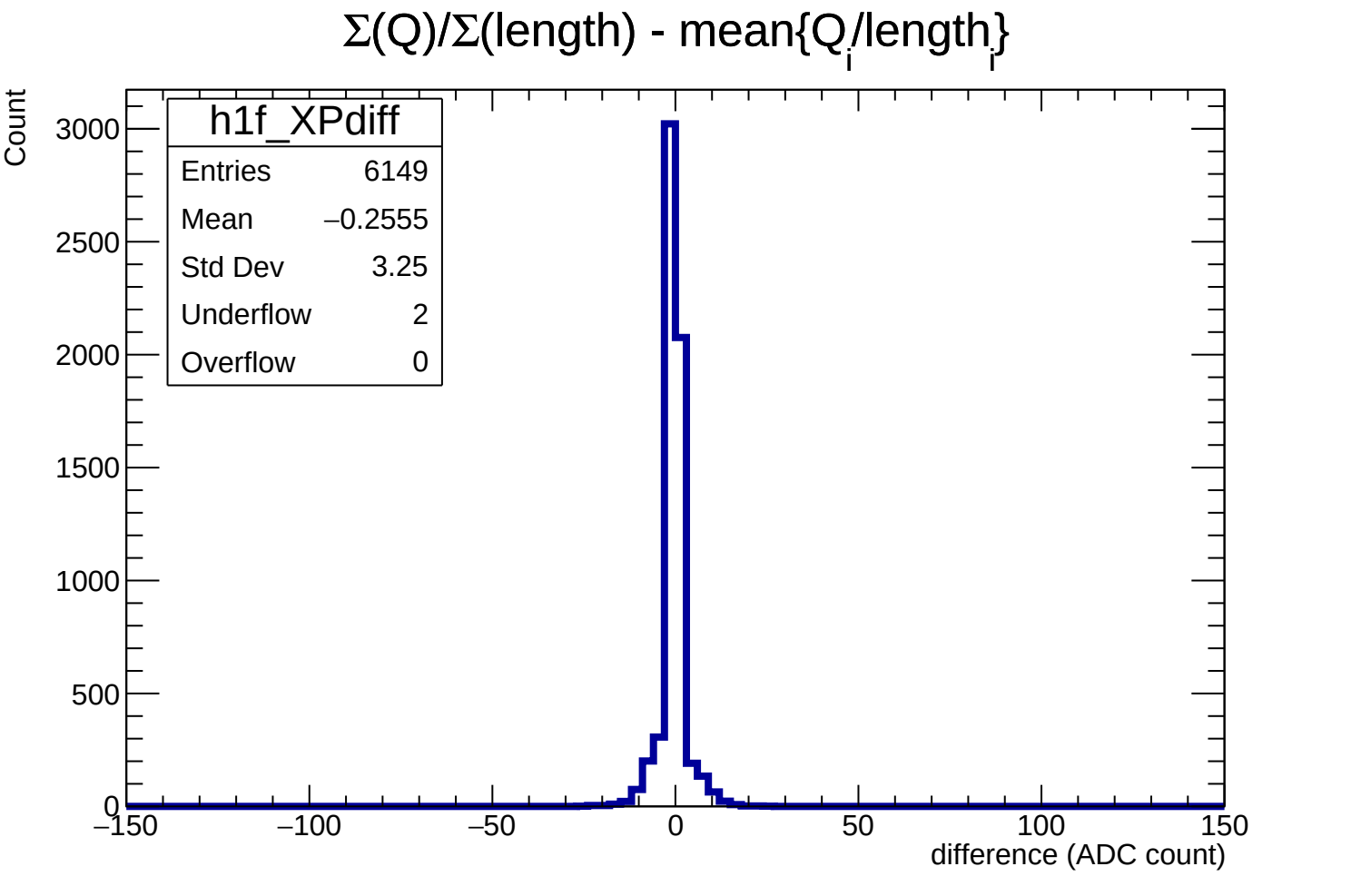
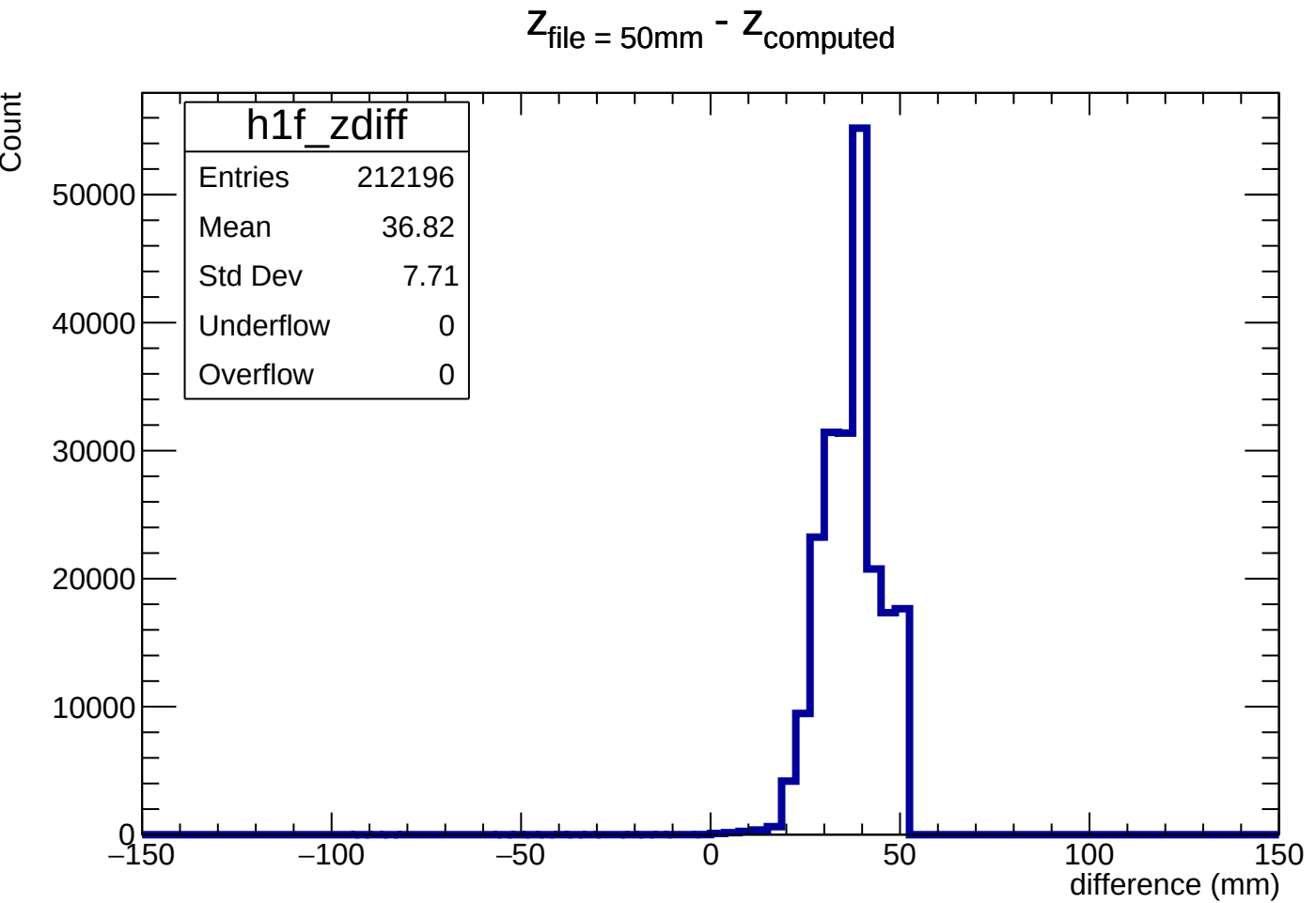
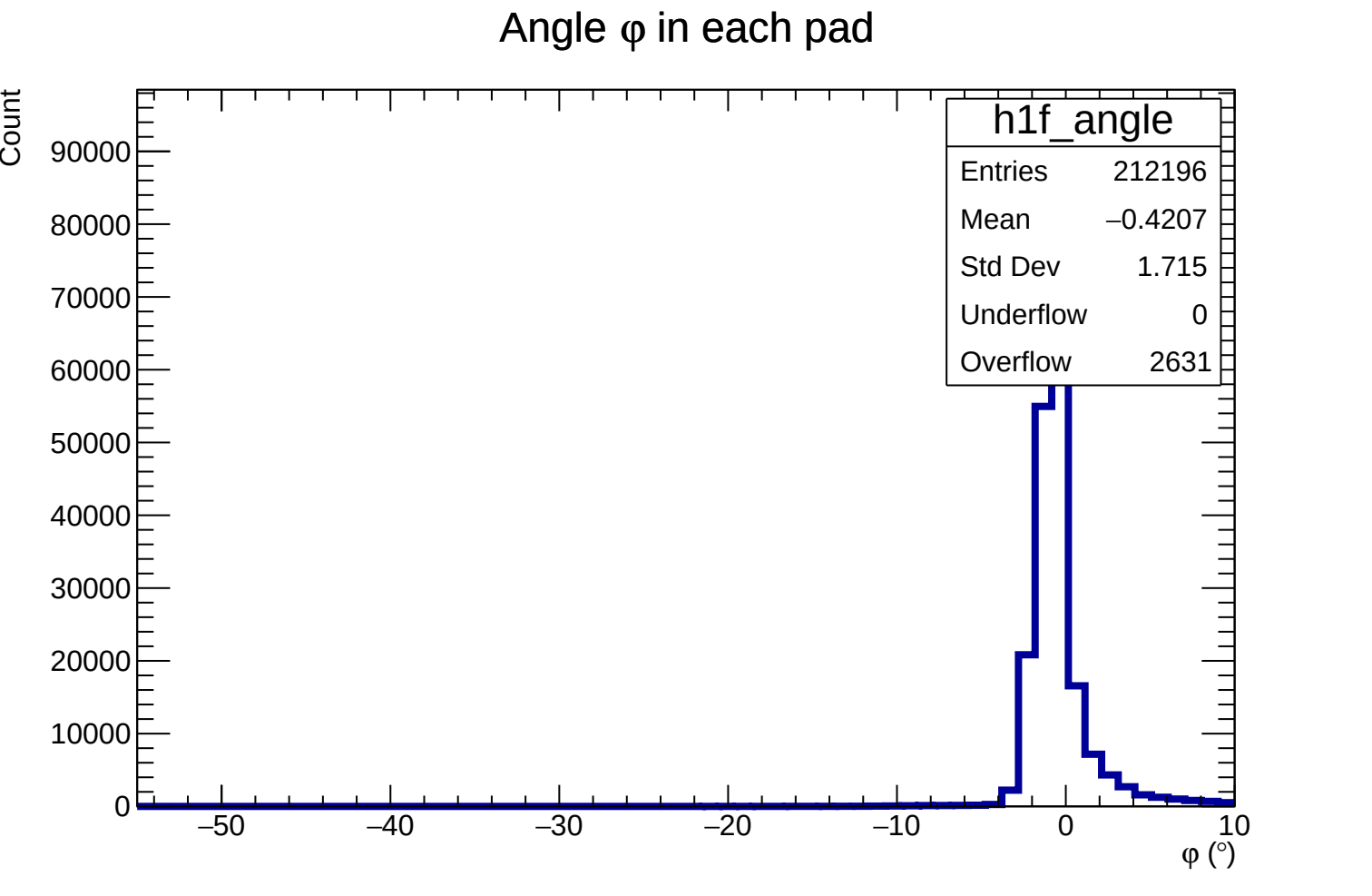
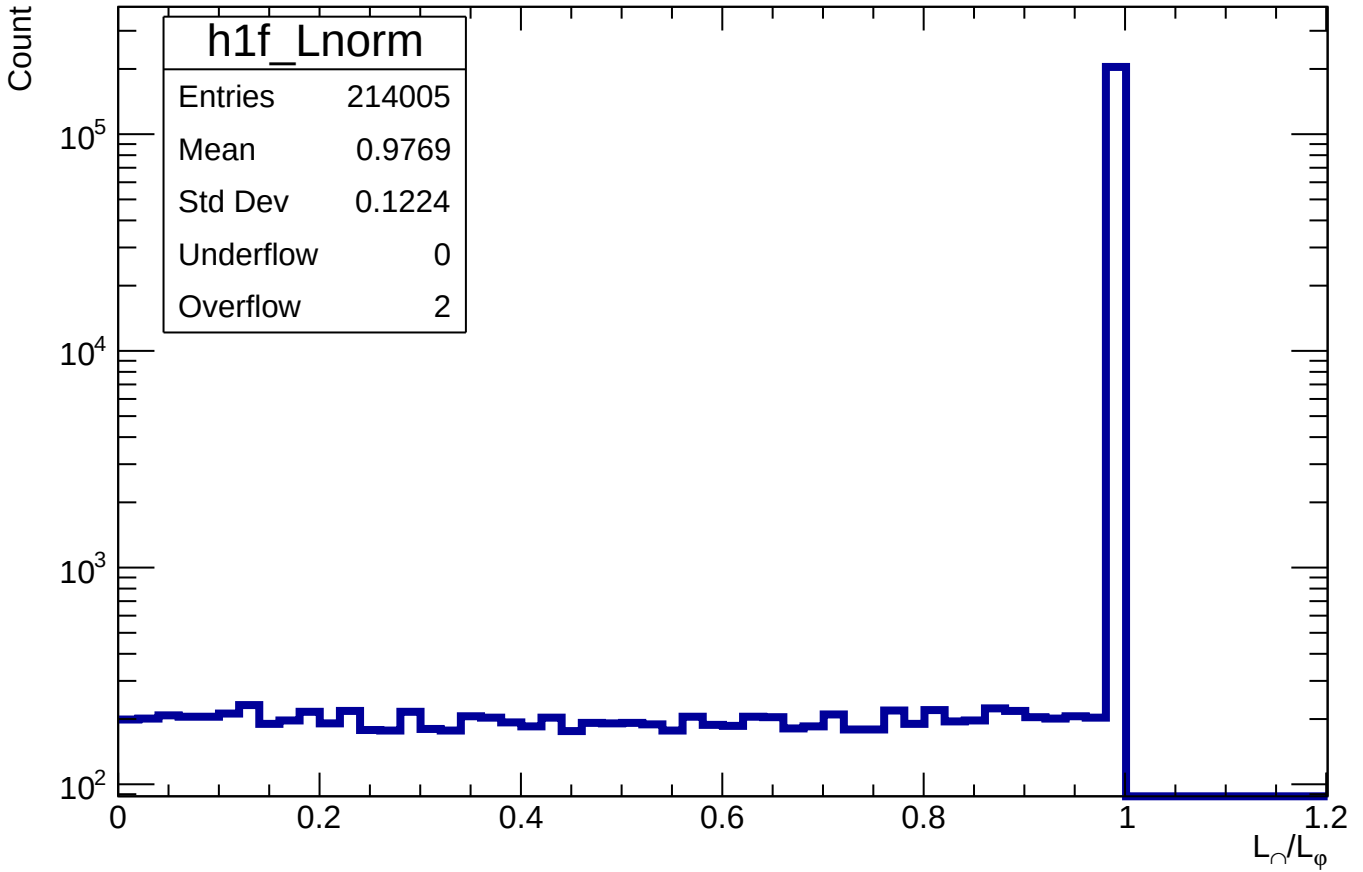

T_{max} of crossed pads
h1f_Tcross
Entries 212196
Mean 52.12
Std Dev 2.729
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

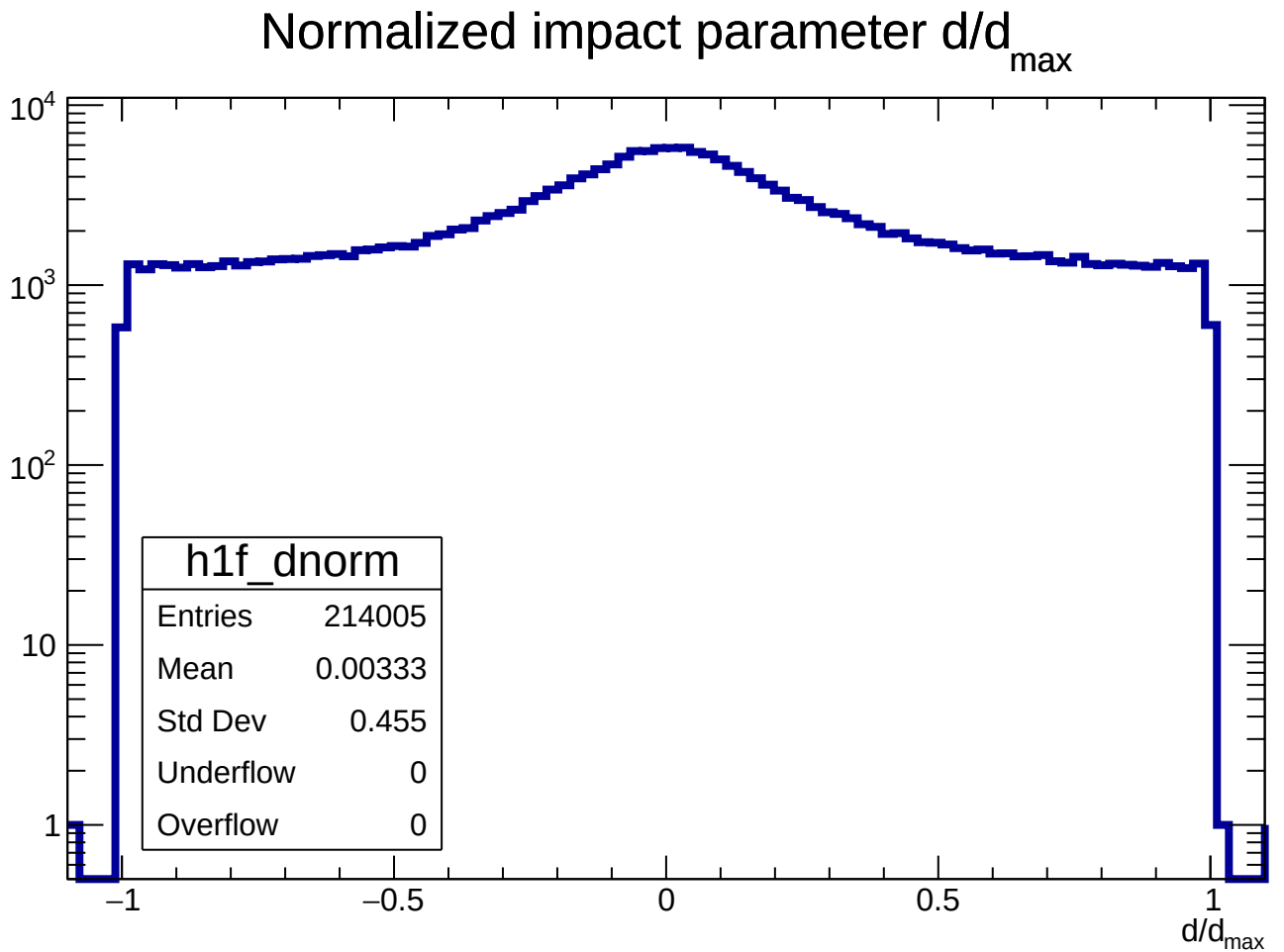

Number of crossed pads
h1f_Ncross
Entries 6149
Mean 34.51
Std Dev 0.9581
Underflow 0
Overflow 0
Count
3500
3000
2500
2000
1500
1000
500
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

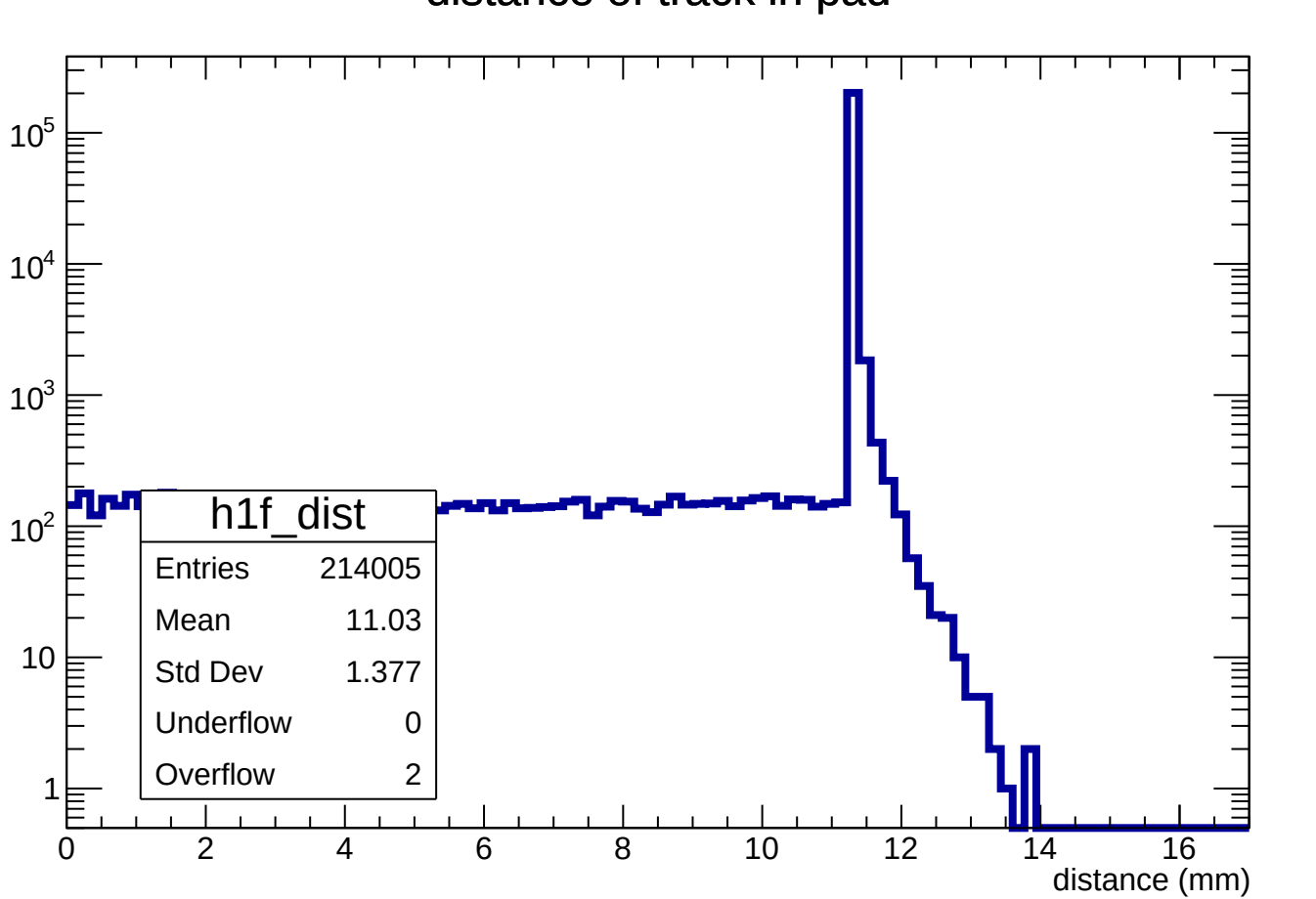

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 6149
Mean –0.2555
Std Dev 3.25
Underflow 2
Overflow 0
Count
3000
2500
2000
1500
1000
500
0
–150
–100
–50
0
50
100
150
difference (ADC count)

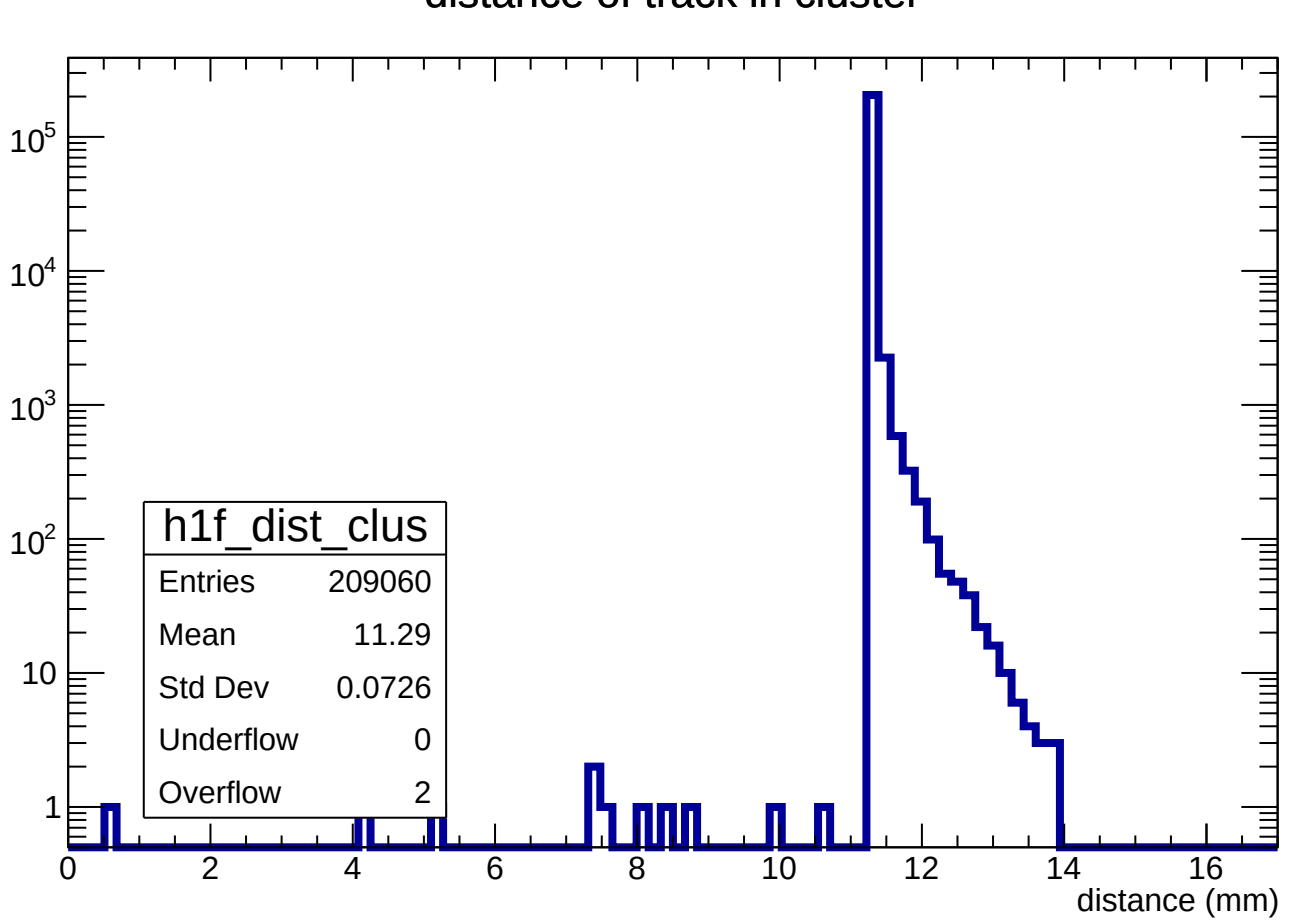

$z_{file = 50mm} - z_{computed}$
h1f_zdiff
Entries 212196
Mean 36.82
Std Dev 7.71
Underflow 0
Overflow 0
Count
50000
40000
30000
20000
10000
0
–150
–100
–50
0
50
100
150
difference (mm)

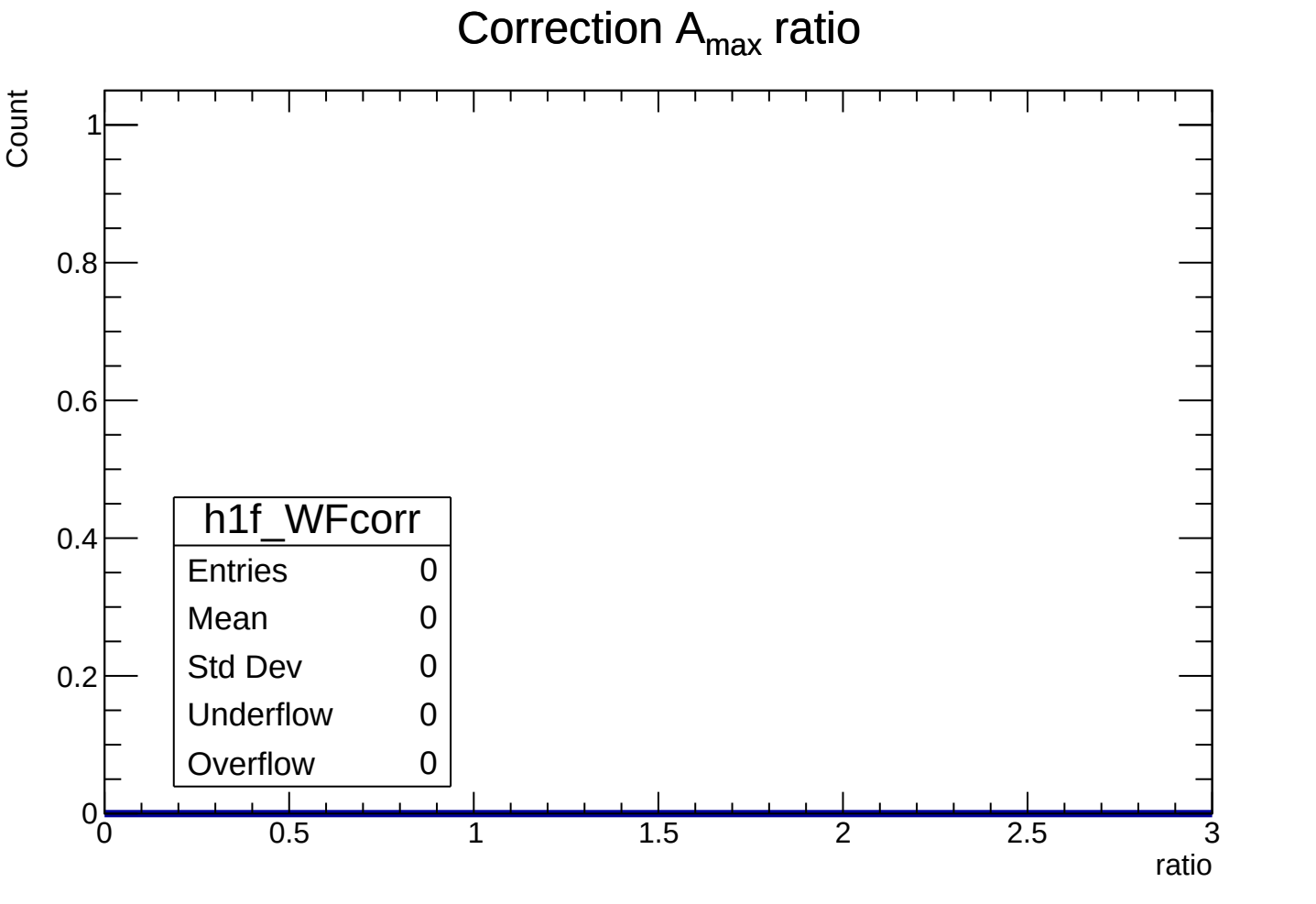

Angle φ in each pad
Count
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
–50
–40
–30
–20
–10
0
10
φ (°)
h1f_angle
Entries 212196
Mean –0.4207
Std Dev 1.715
Underflow 0
Overflow 2631

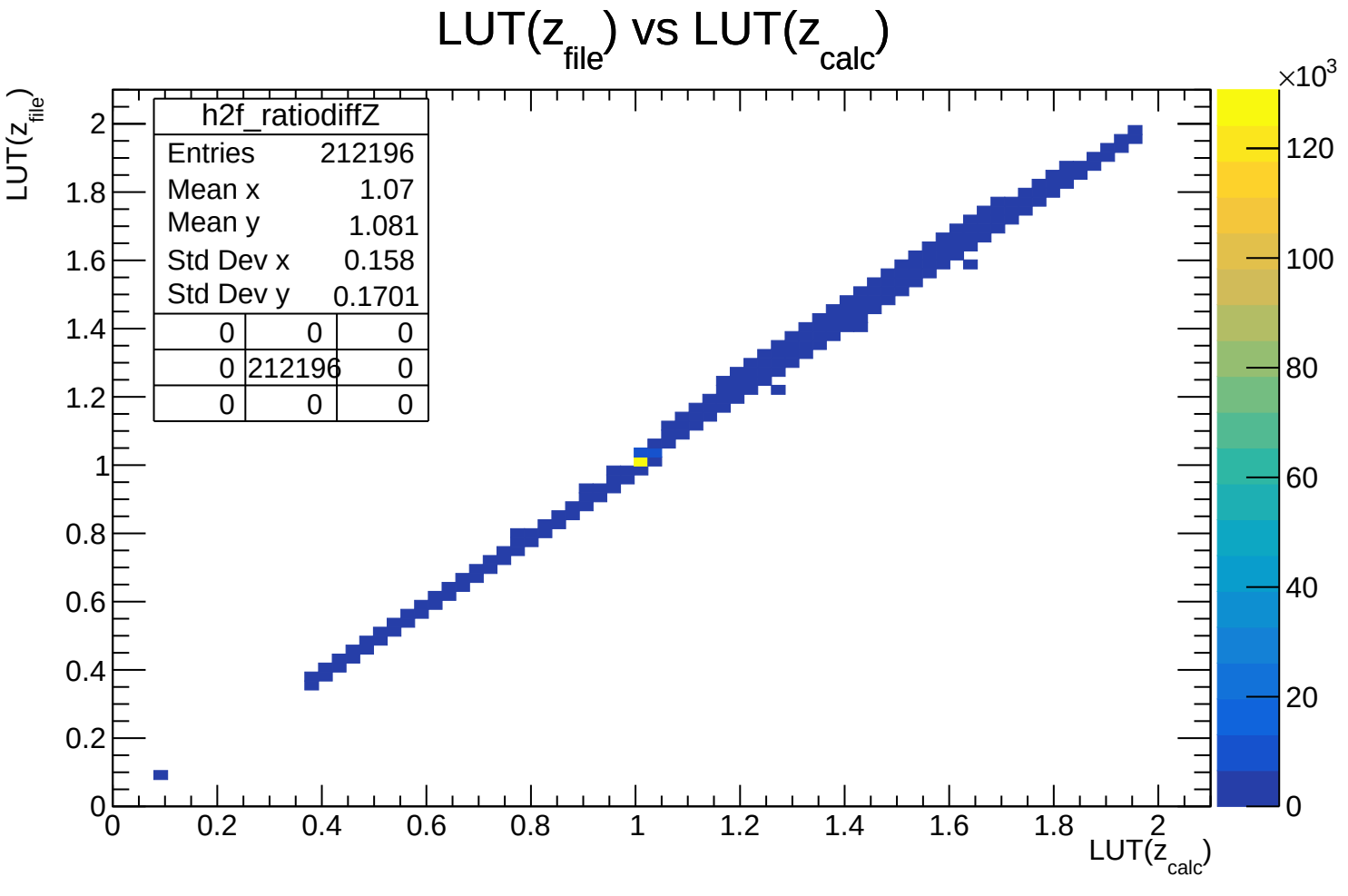

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 214005
Mean 0.9769
Std Dev 0.1224
Underflow 0
Overflow 2
Count
10^5
10^4
10^3
10^2
0
0.2
0.4
0.6
0.8
1
1.2
$L_{\cap}/L_{\varphi}$

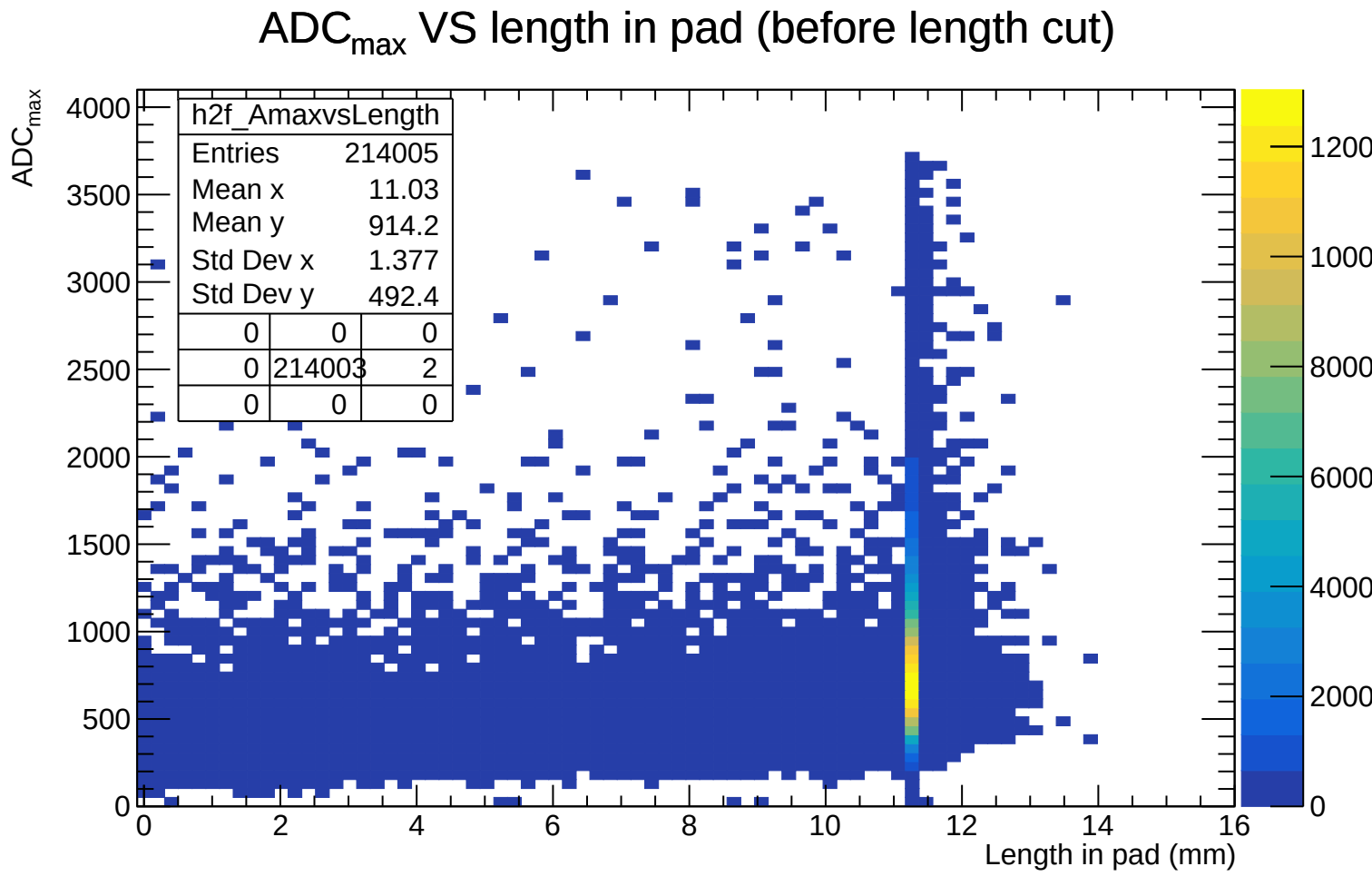

Normalized impact parameter d/d_max
10^4
10^3
10^2
10
1
h1f_dnorm
Entries 214005
Mean 0.00333
Std Dev 0.455
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d_max

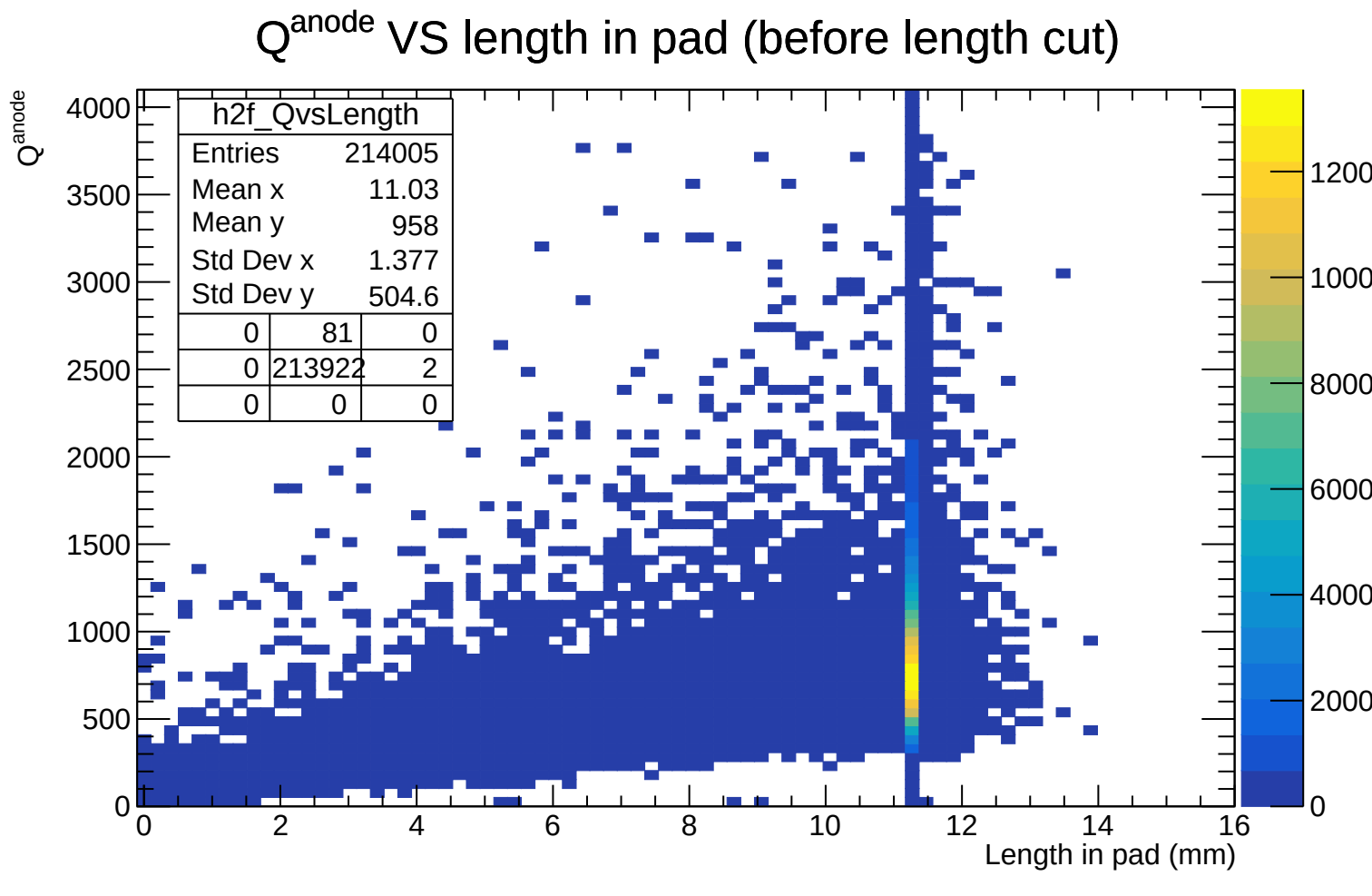

distance of track in pad
h1f_dist
Entries 214005
Mean 11.03
Std Dev 1.377
Underflow 0
Overflow 2
distance (mm)

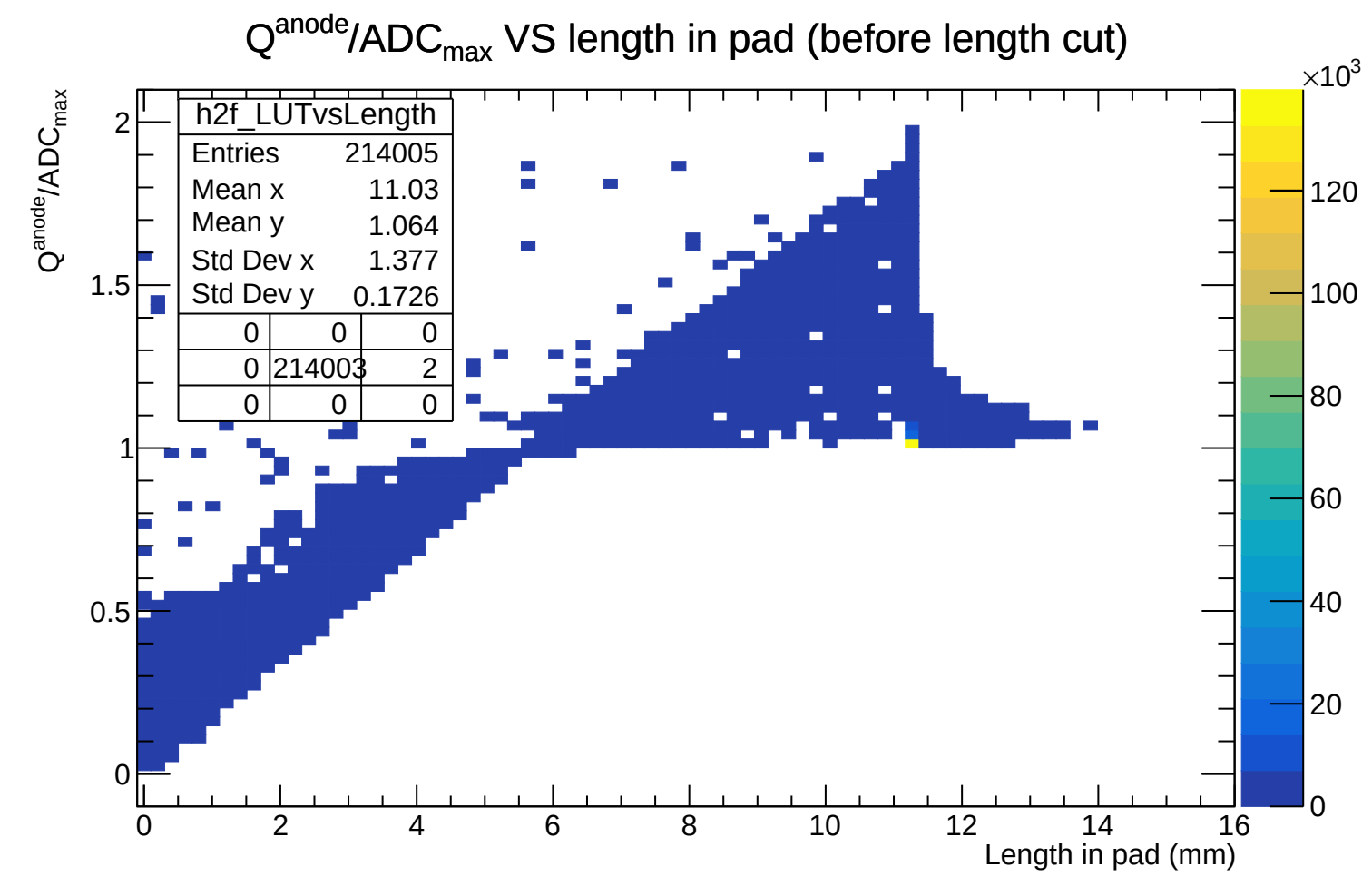

distance of track in cluster
h1f_dist_clus
Entries 209060
Mean 11.29
Std Dev 0.0726
Underflow 0
Overflow 2
distance (mm)

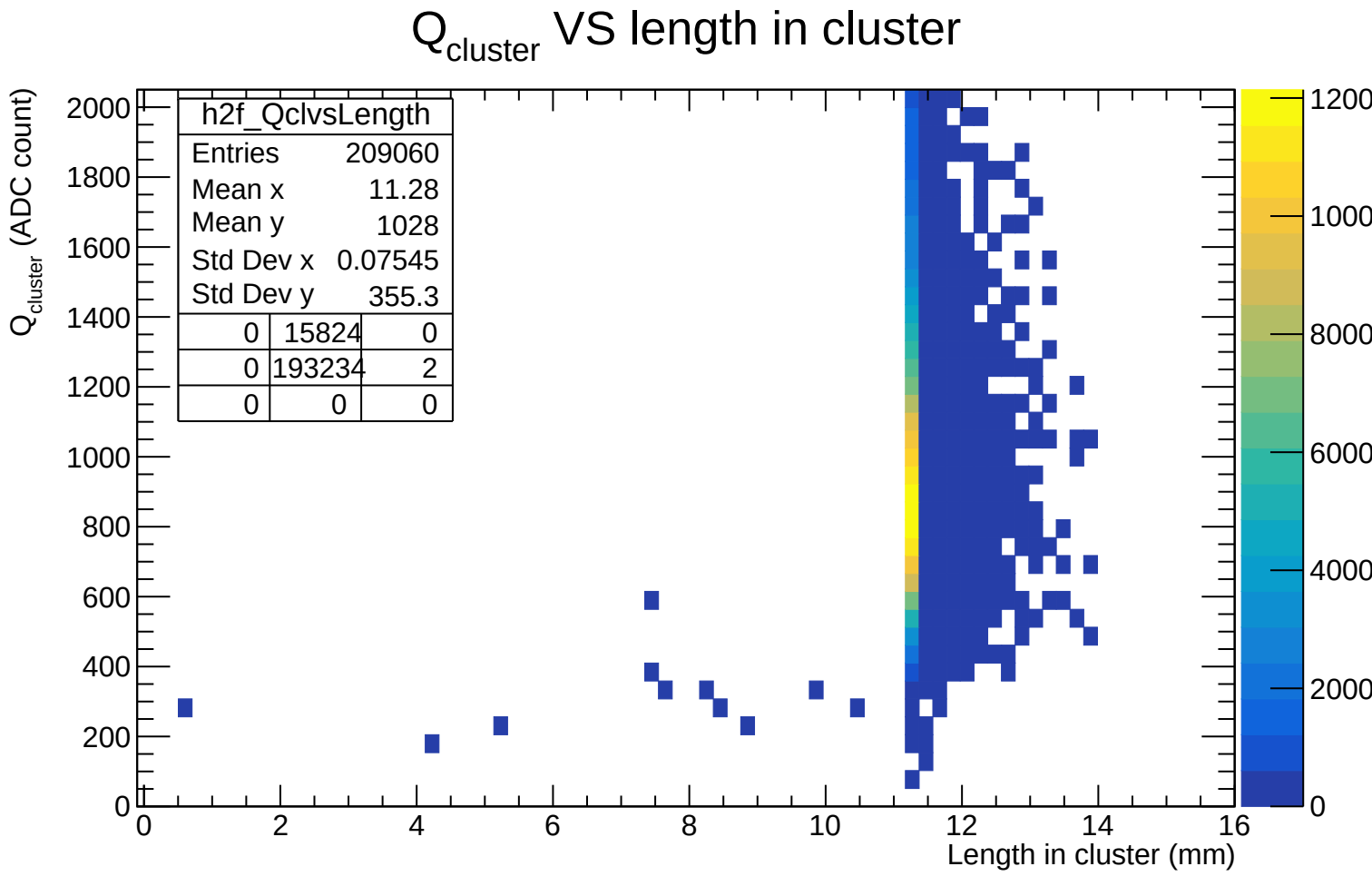

Correction A_{max} ratio
Count
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
ratio
h1f_WFcorr
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

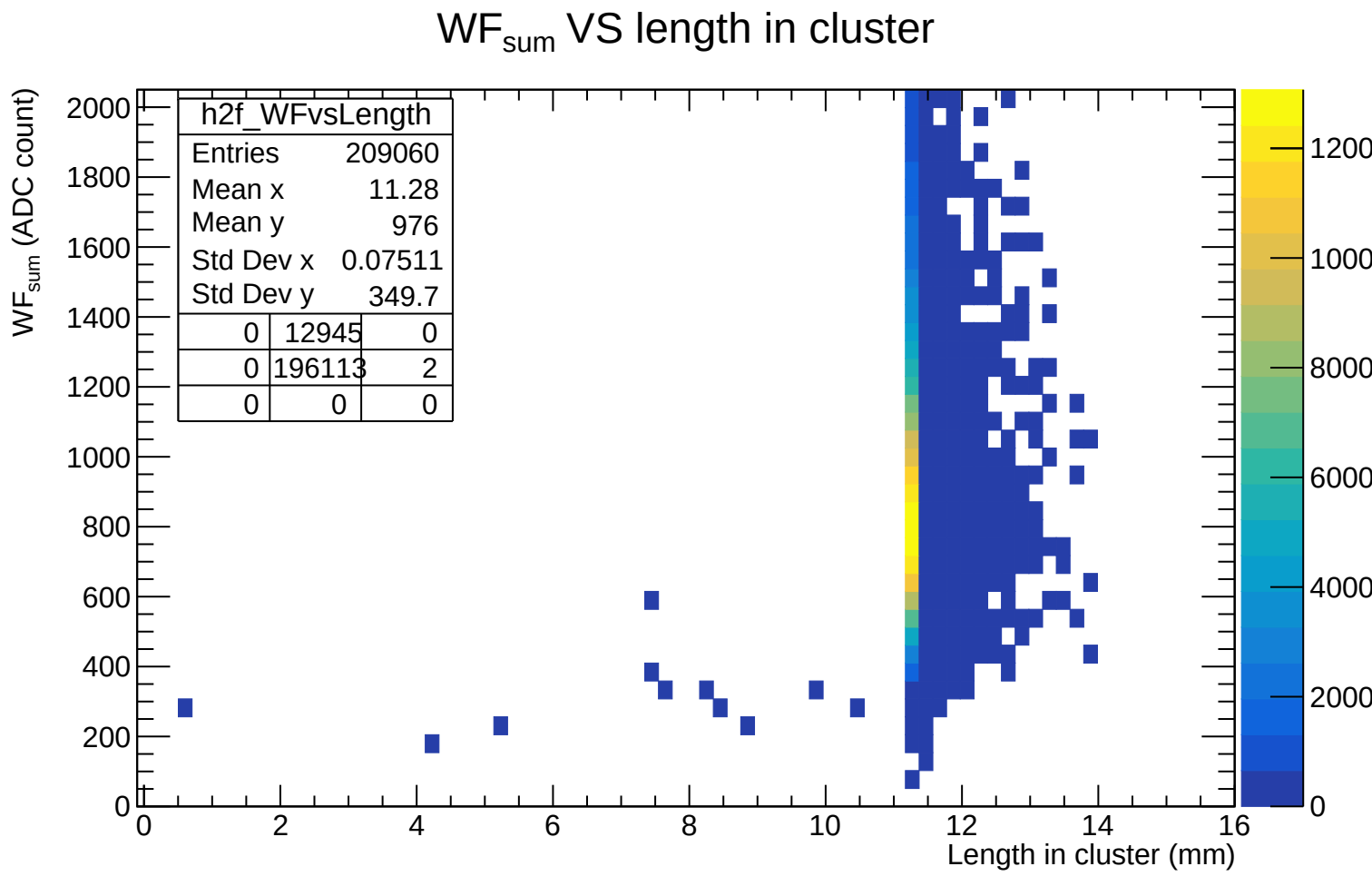

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 212196
Mean x 1.07
Mean y 1.081
Std Dev x 0.158
Std Dev y 0.1701
0 0 0
0 212196 0
0 0 0
LUT(z_file)
LUT(z_calc)
×10^3
0 20 40 60 80 100 120
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

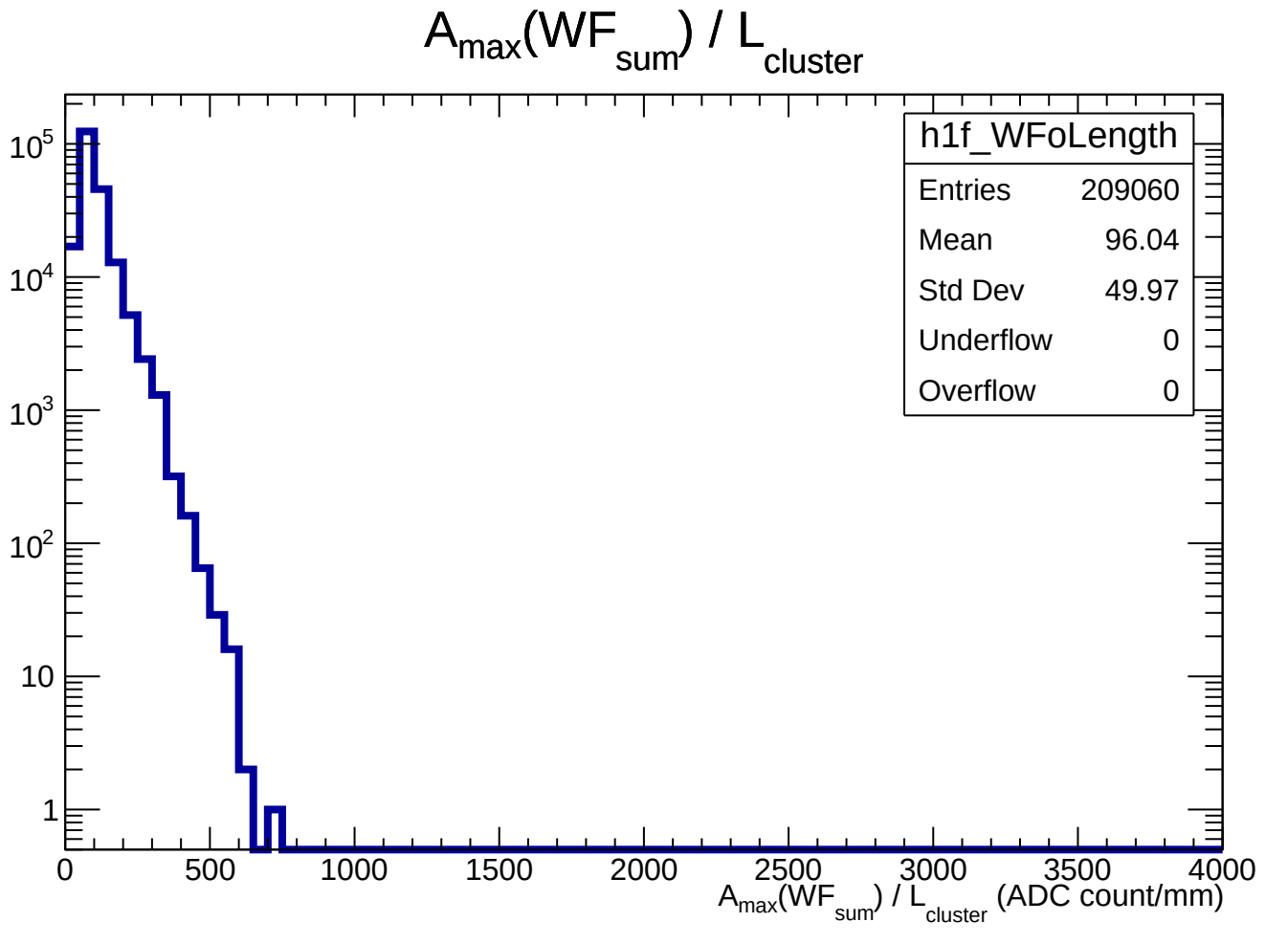

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 214005
Mean x 11.03
Mean y 914.2
Std Dev x 1.377
Std Dev y 492.4
0 0 0
0 214003 2
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200

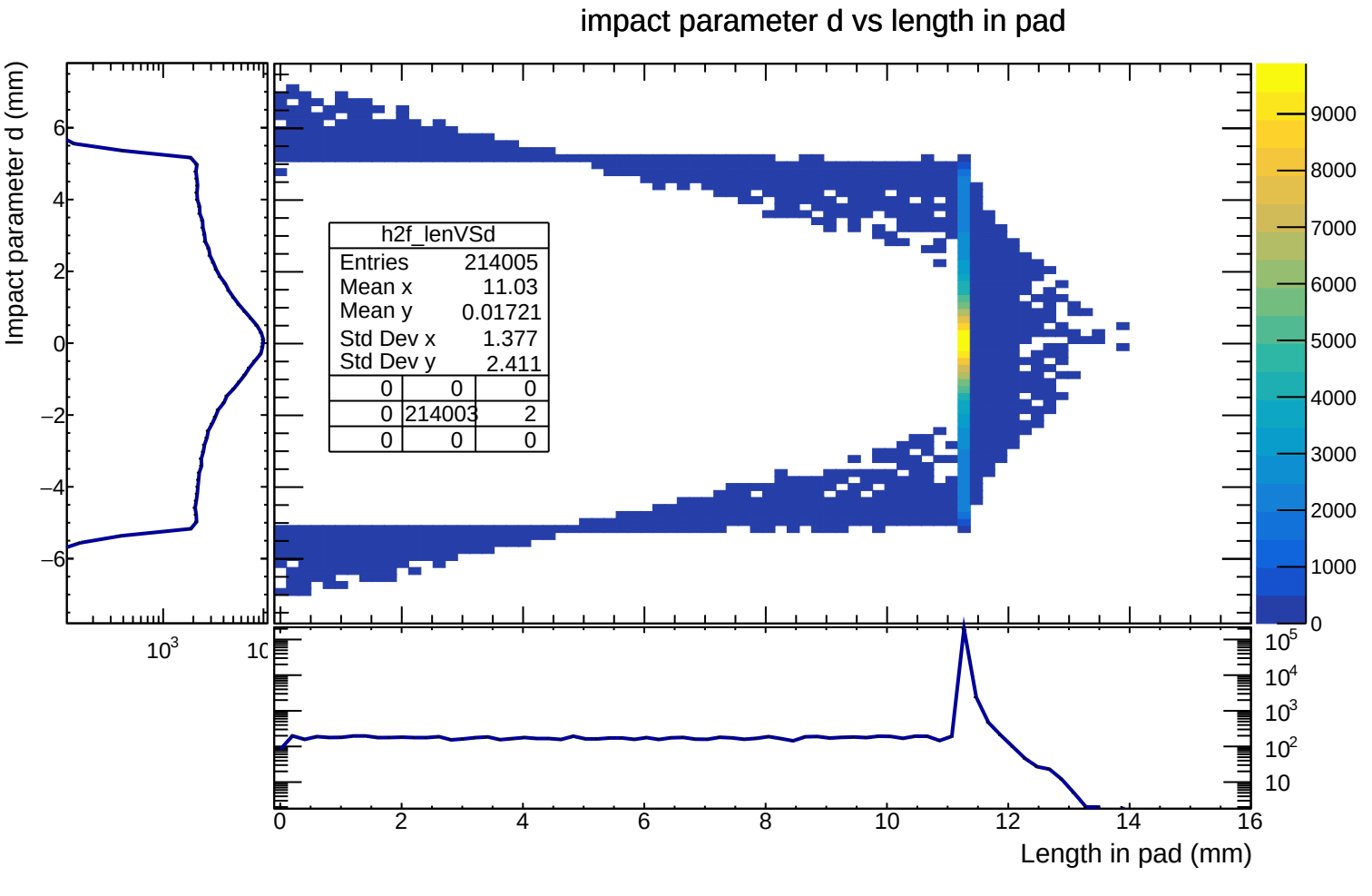

Q^anode VS length in pad (before length cut)
Q^anode
Length in pad (mm)
h2f_QvsLength
Entries 214005
Mean x 11.03
Mean y 958
Std Dev x 1.377
Std Dev y 504.6
0 81 0
0 213922 2
0 0 0
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200


Q^{anode}/ADC_{max} VS length in pad (before length cut)
h2f_LUTvsLength
Entries 214005
Mean x 11.03
Mean y 1.064
Std Dev x 1.377
Std Dev y 0.1726
0 0 0
0 214003 2
0 0 0
Q^{anode}/ADC_{max}
Length in pad (mm)
$\times 10^3$


$Q_{cluster}$ VS length in cluster
h2f_QclvsLength
Entries 209060
Mean x 11.28
Mean y 1028
Std Dev x 0.07545
Std Dev y 355.3
0 15824 0
0 193234 2
0 0 0
$Q_{cluster}$ (ADC count)
Length in cluster (mm)
0 2 4 6 8 10 12 14 16
0 200 400 600 800 1000 1200 1400 1600 1800 2000
0 2000 4000 6000 8000 1000 1200


WF_sum VS length in cluster
h2f_WFvsLength
Entries 209060
Mean x 11.28
Mean y 976
Std Dev x 0.07511
Std Dev y 349.7
0 12945 0
0 196113 2
0 0 0
WF_sum (ADC count)
Length in cluster (mm)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 209060
Mean 96.04
Std Dev 49.97
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
3000
3500
4000
$A_{max}(WF_{sum}) / L_{cluster}$ (ADC count/mm)


impact parameter d vs length in pad
Impact parameter d (mm)
Length in pad (mm)
h2f_lenVSd
Entries 214005
Mean x 11.03
Mean y 0.01721
Std Dev x 1.377
Std Dev y 2.411
0 0 0
0 214003 2
0 0 0