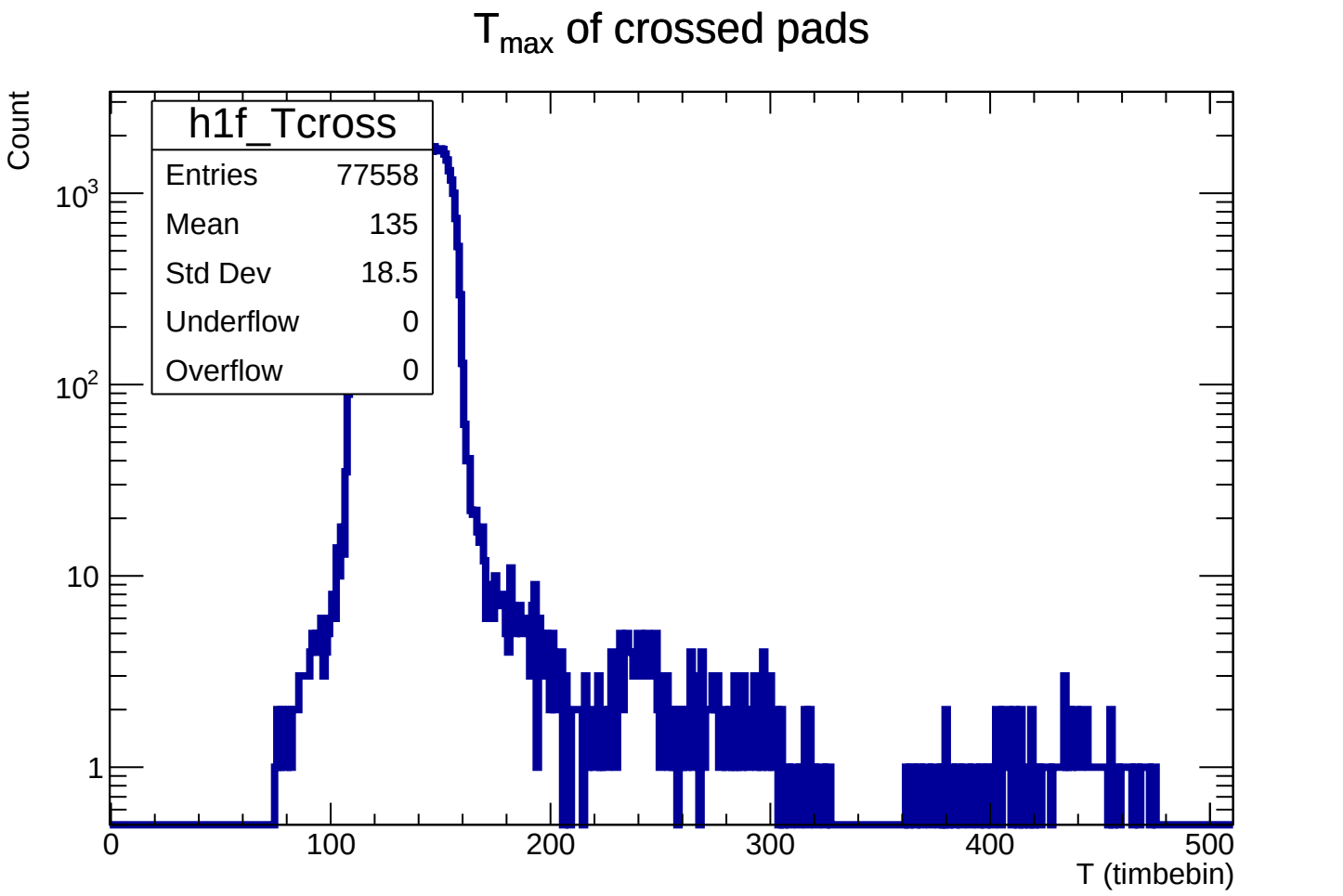
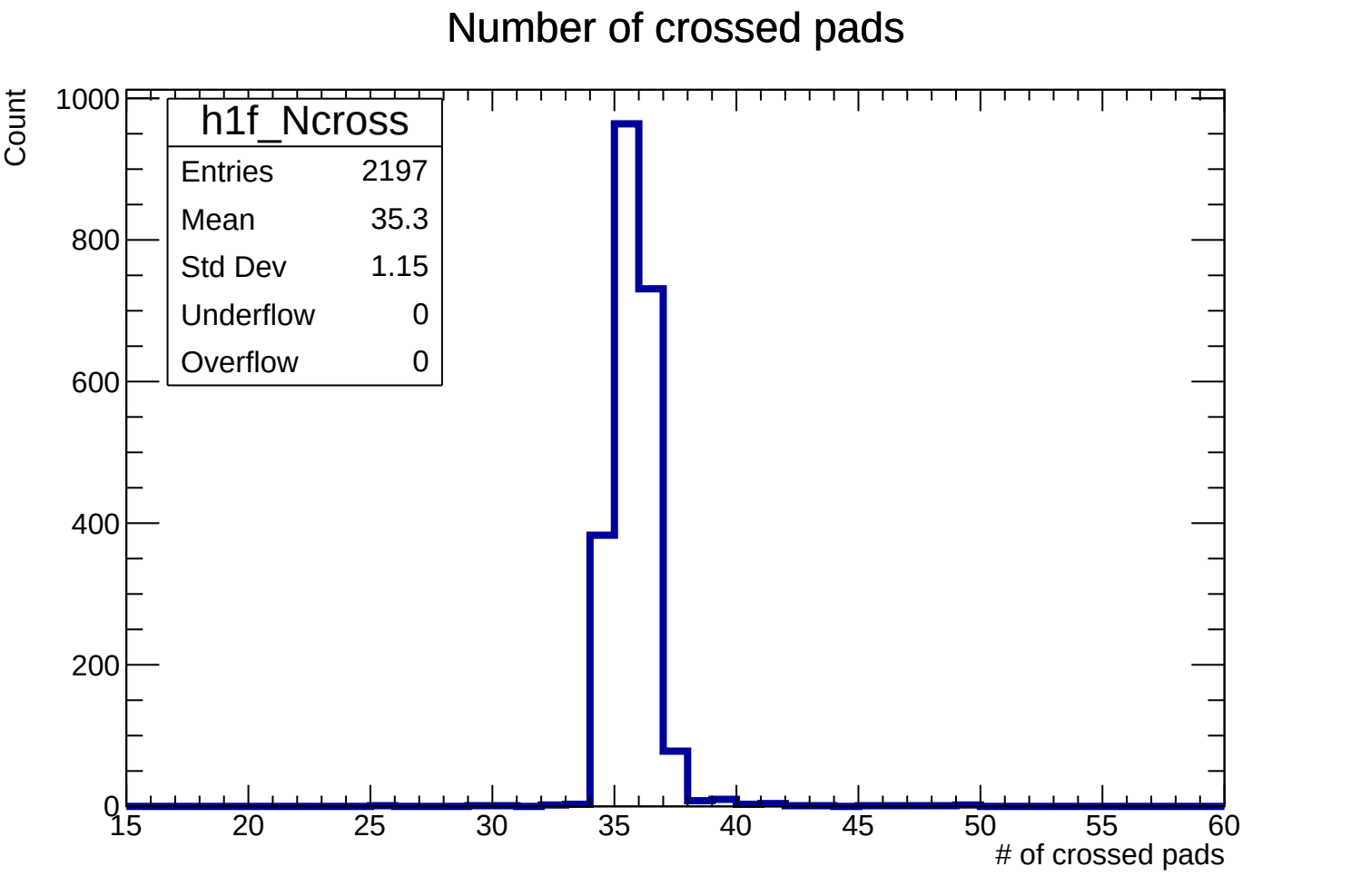
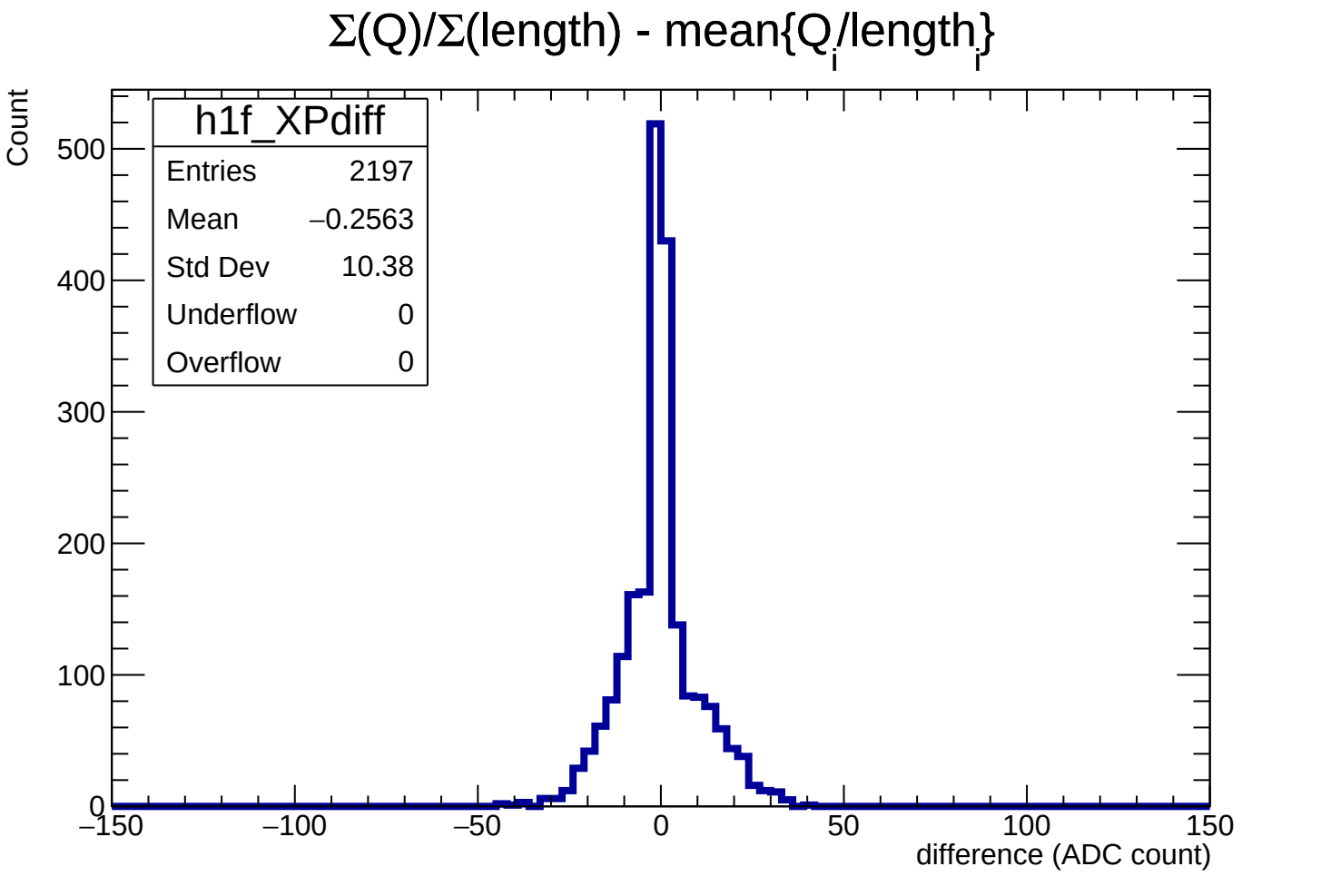
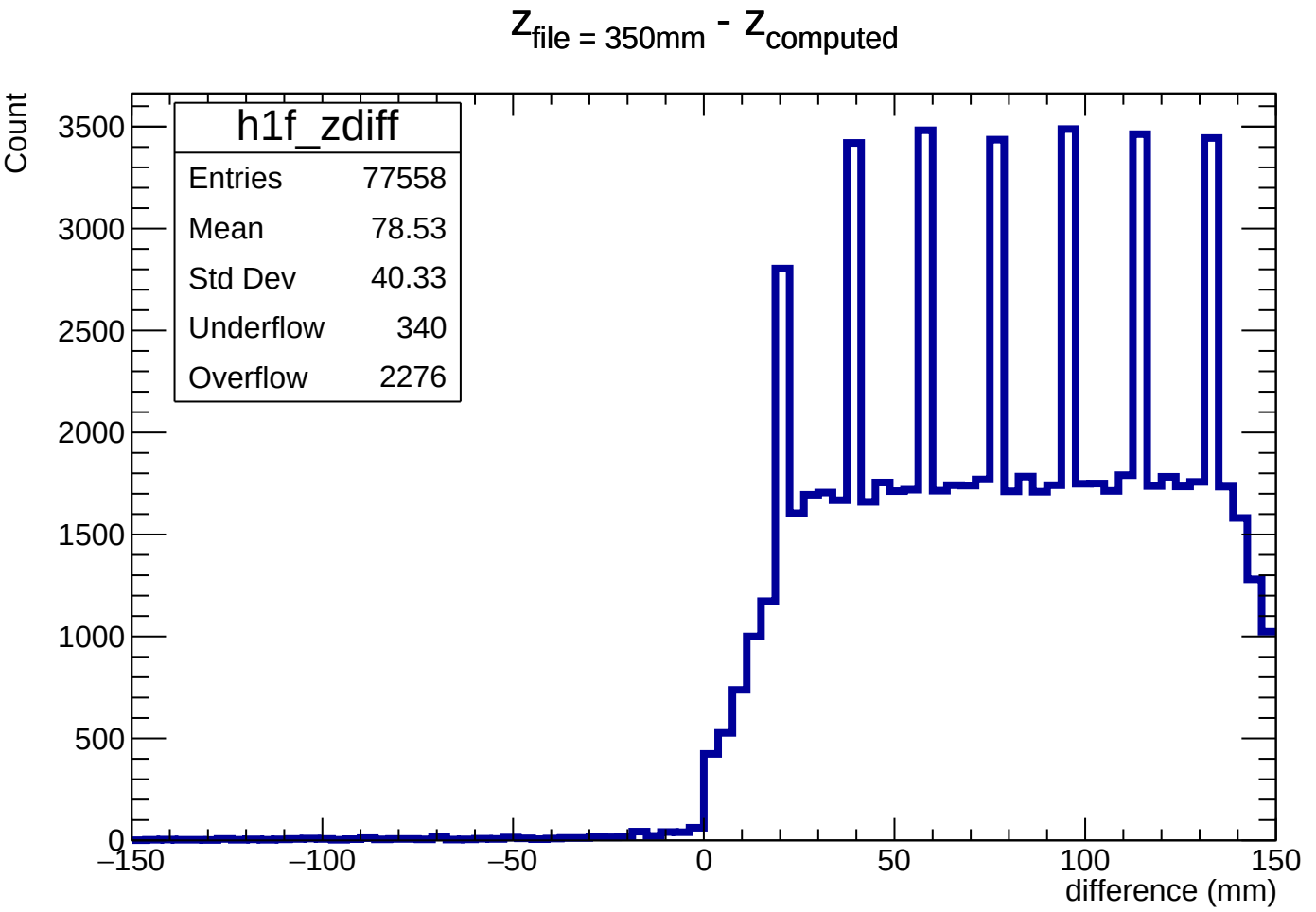
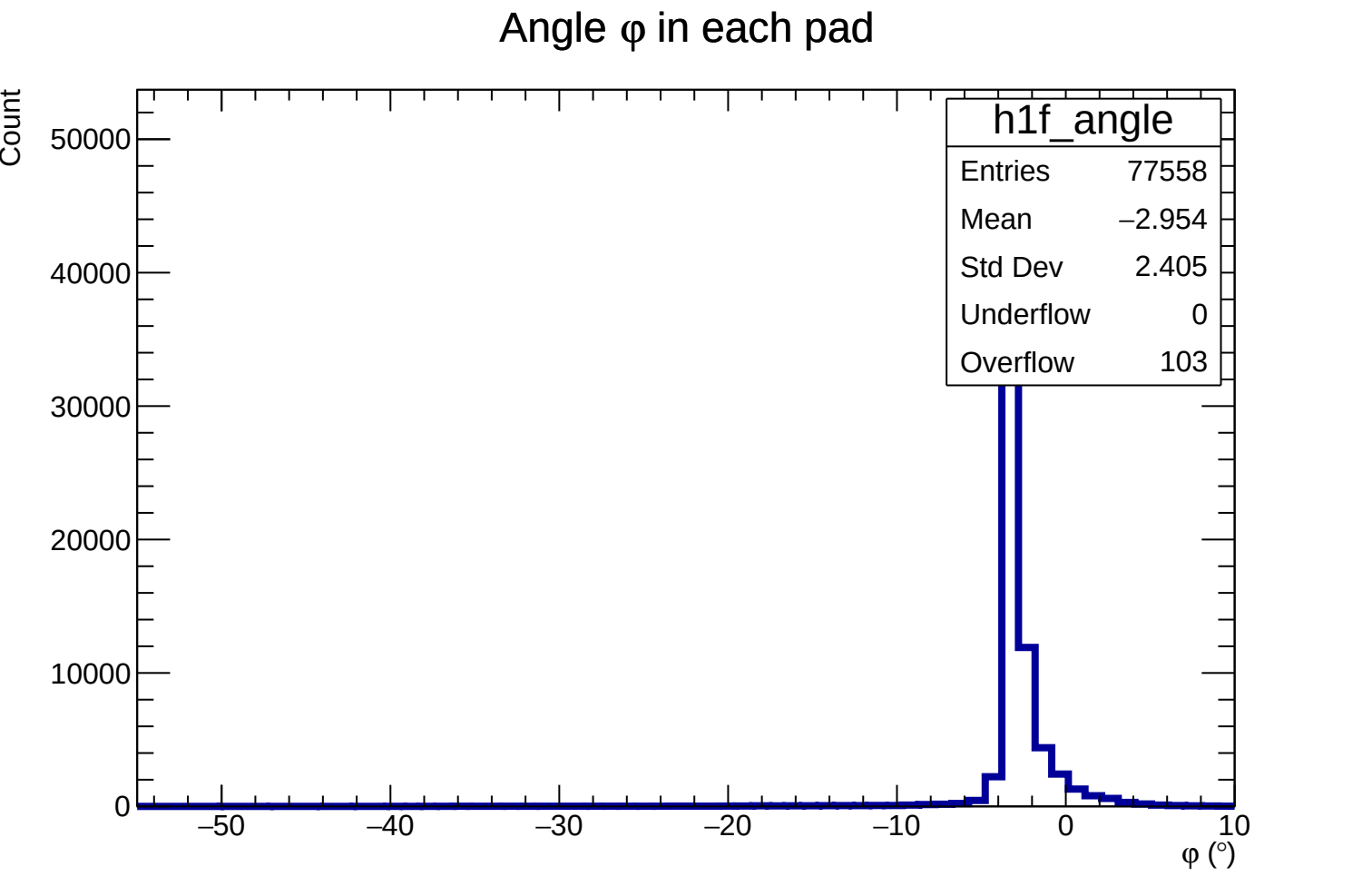
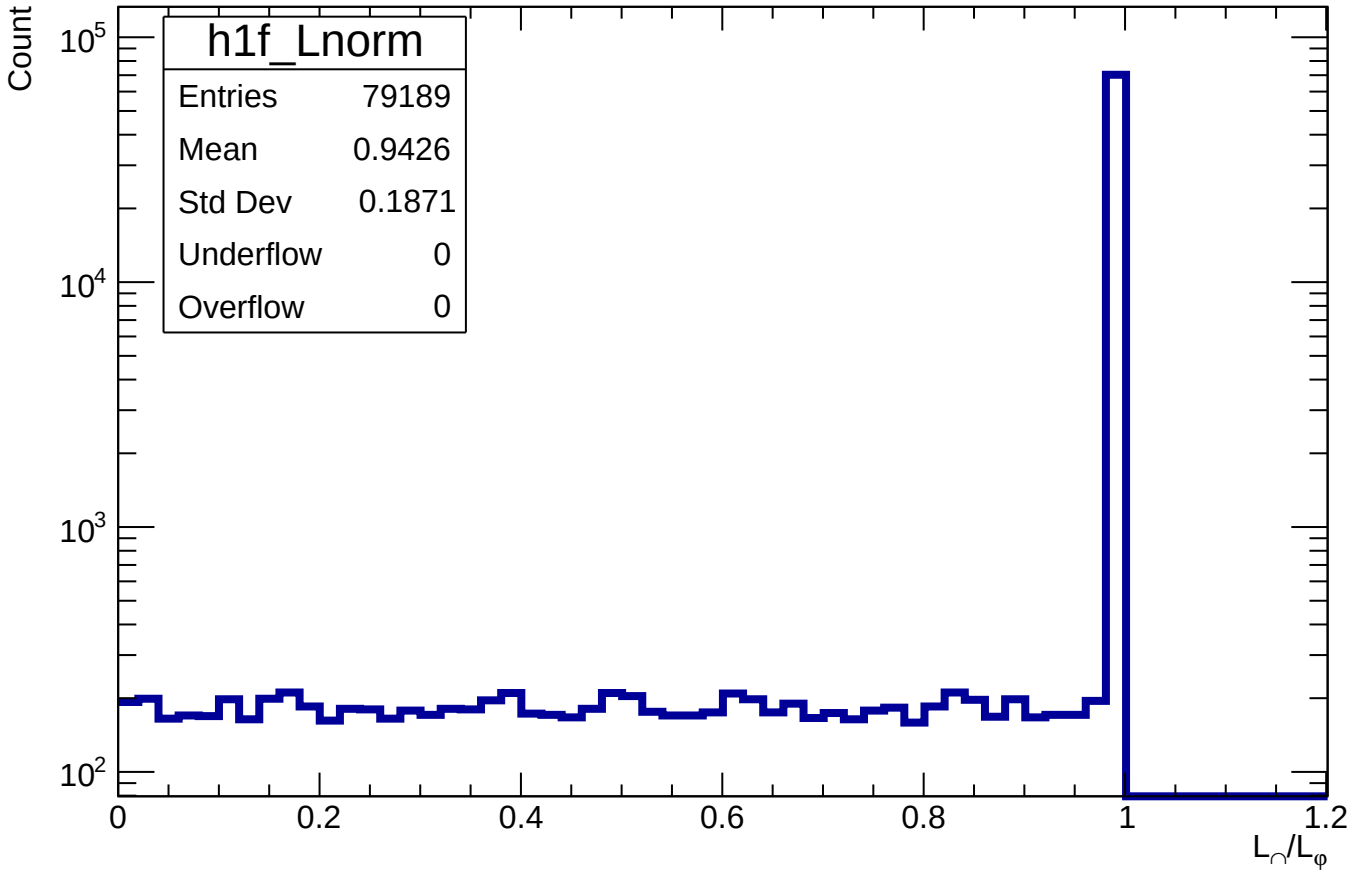

T_{max} of crossed pads
h1f_Tcross
Entries 77558
Mean 135
Std Dev 18.5
Underflow 0
Overflow 0
Count
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

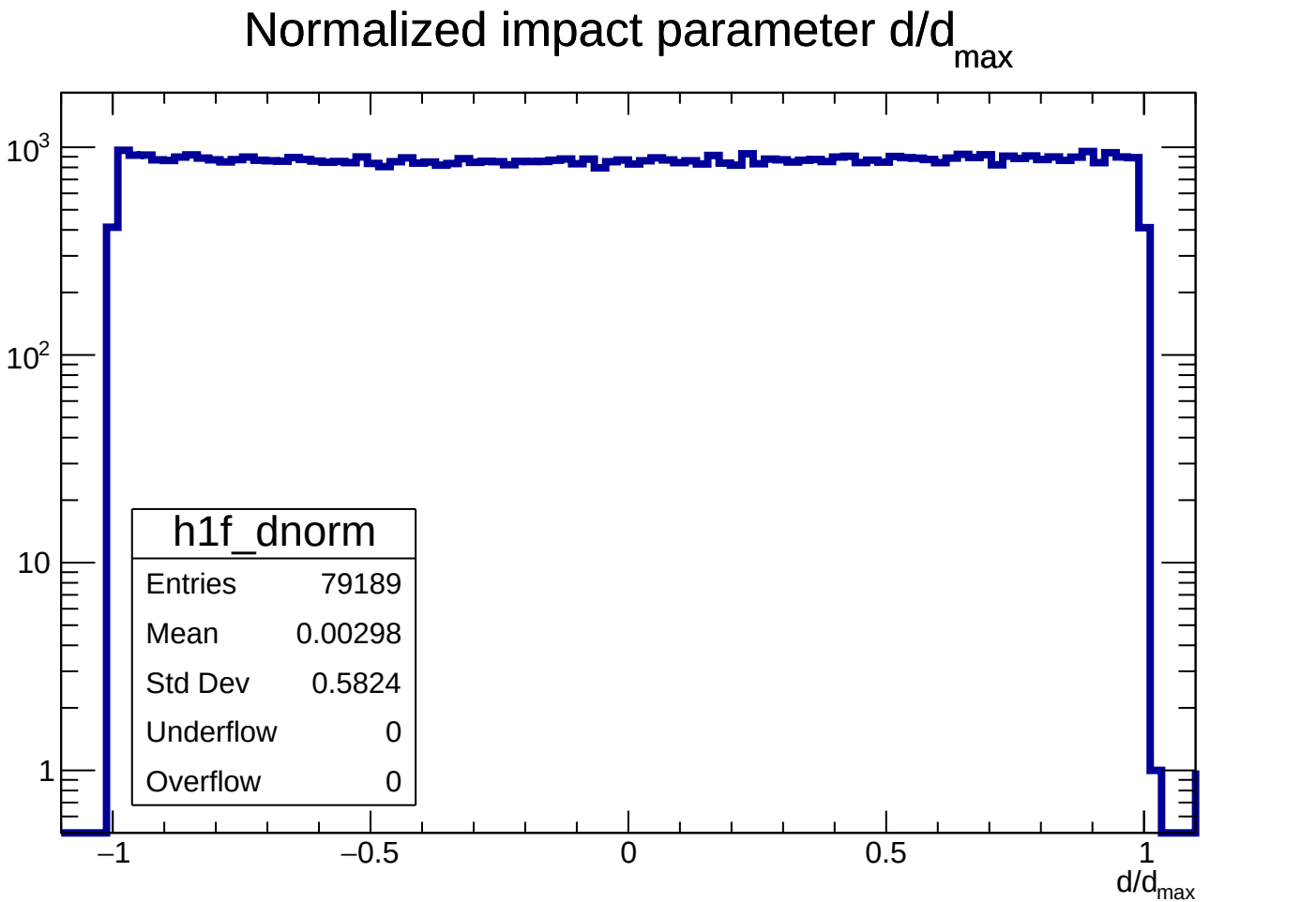

Number of crossed pads
h1f_Ncross
Entries 2197
Mean 35.3
Std Dev 1.15
Underflow 0
Overflow 0
Count
1000
800
600
400
200
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

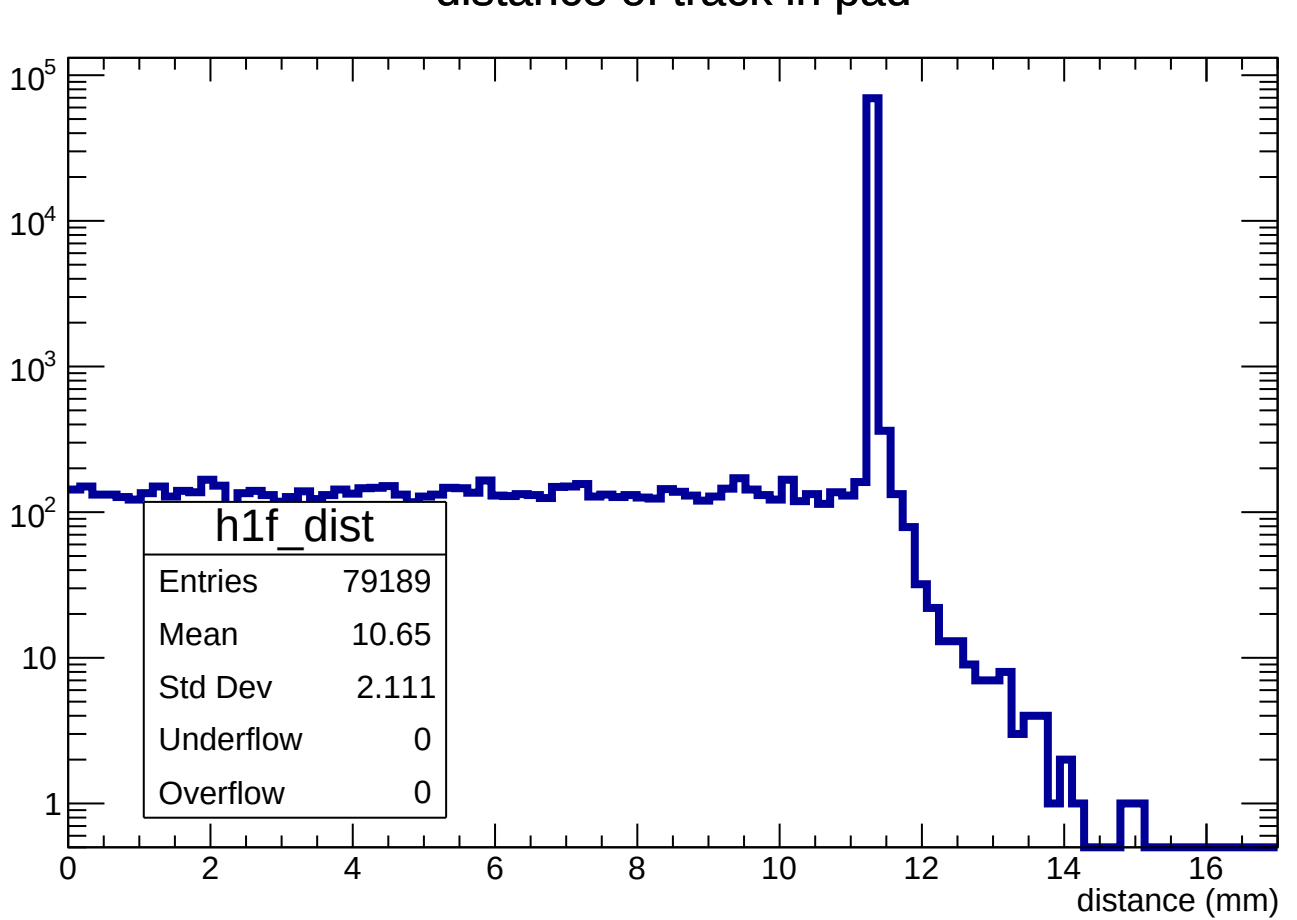

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 2197
Mean –0.2563
Std Dev 10.38
Underflow 0
Overflow 0
Count
0
100
200
300
400
500
–150
–100
–50
0
50
100
150
difference (ADC count)

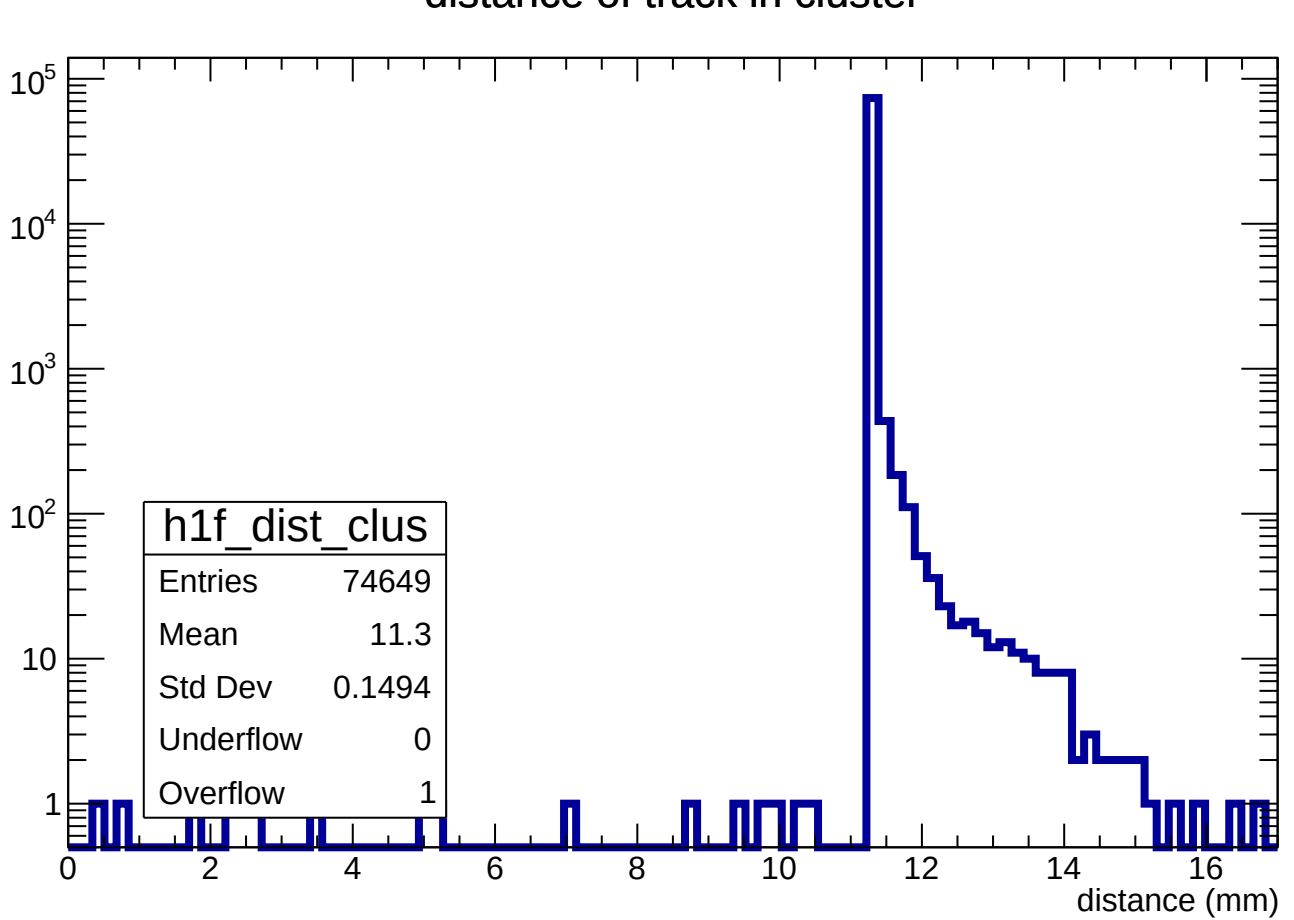

$z_{file = 350mm} - z_{computed}$
h1f_zdiff
Entries 77558
Mean 78.53
Std Dev 40.33
Underflow 340
Overflow 2276
Count
3500
3000
2500
2000
1500
1000
500
0
–150
–100
–50
0
50
100
150
difference (mm)

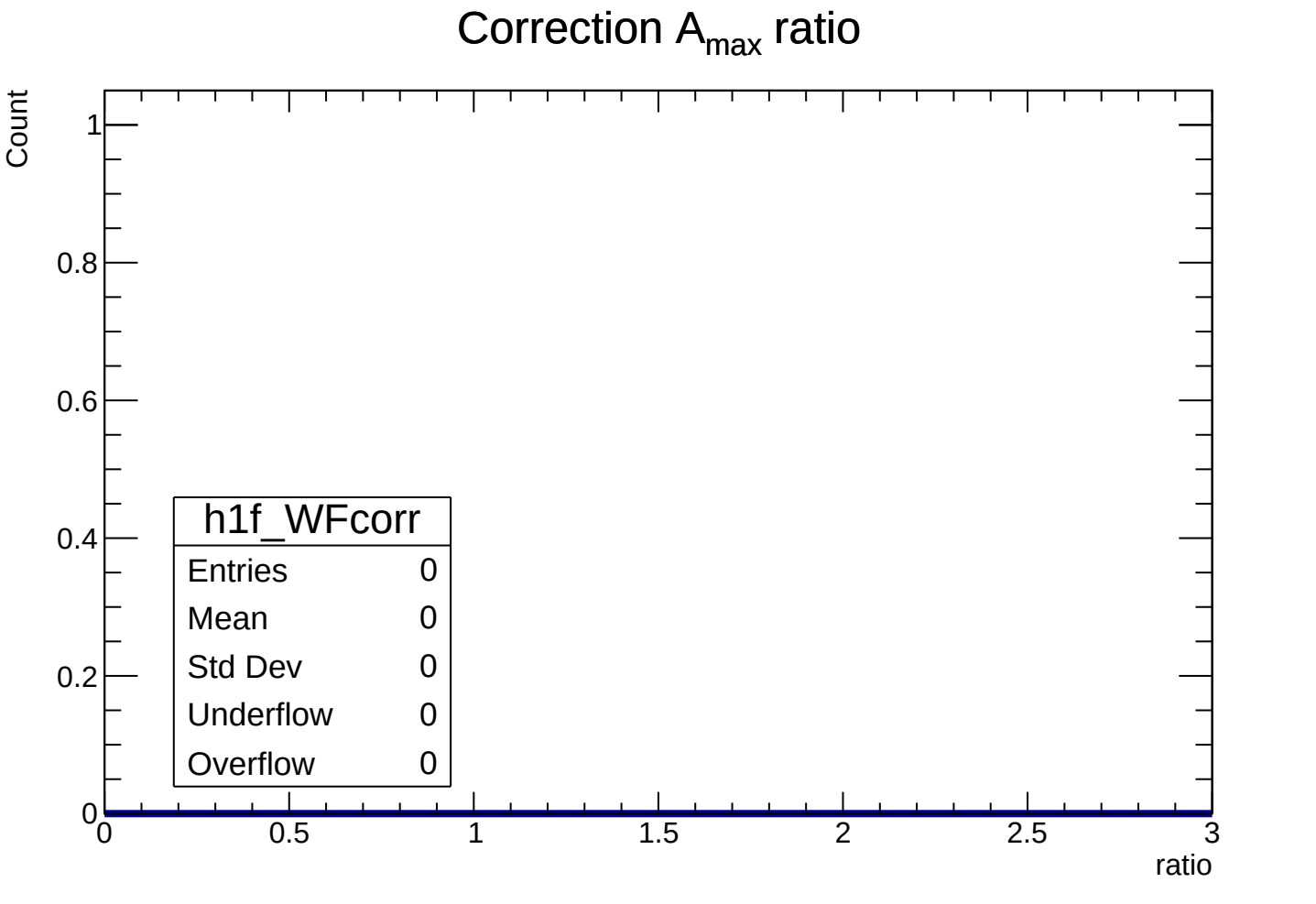

Angle φ in each pad
Count
50000
40000
30000
20000
10000
0
h1f_angle
Entries 77558
Mean –2.954
Std Dev 2.405
Underflow 0
Overflow 103
–50
–40
–30
–20
–10
0
10
φ (°)

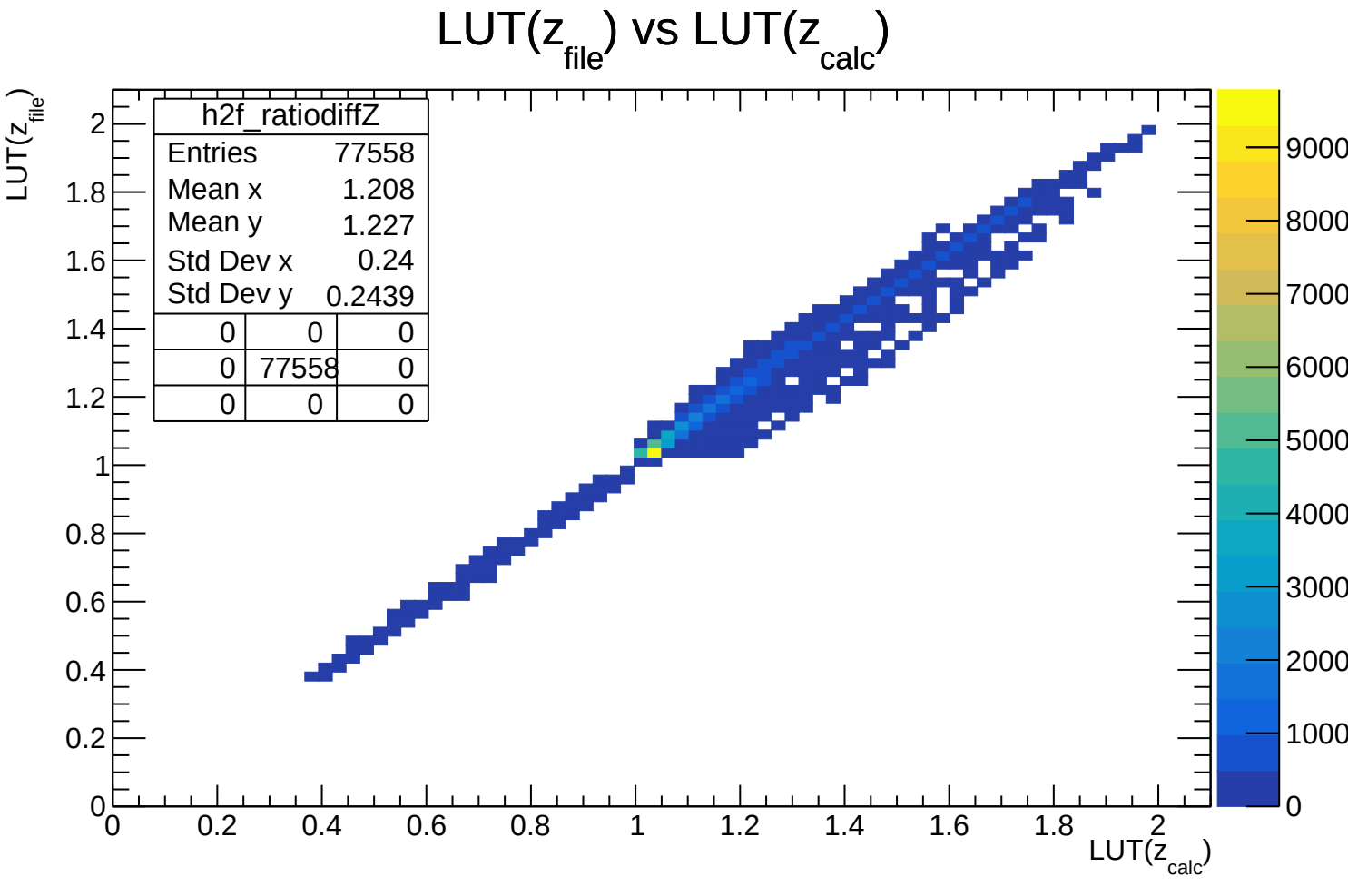

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 79189
Mean 0.9426
Std Dev 0.1871
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
10^2
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

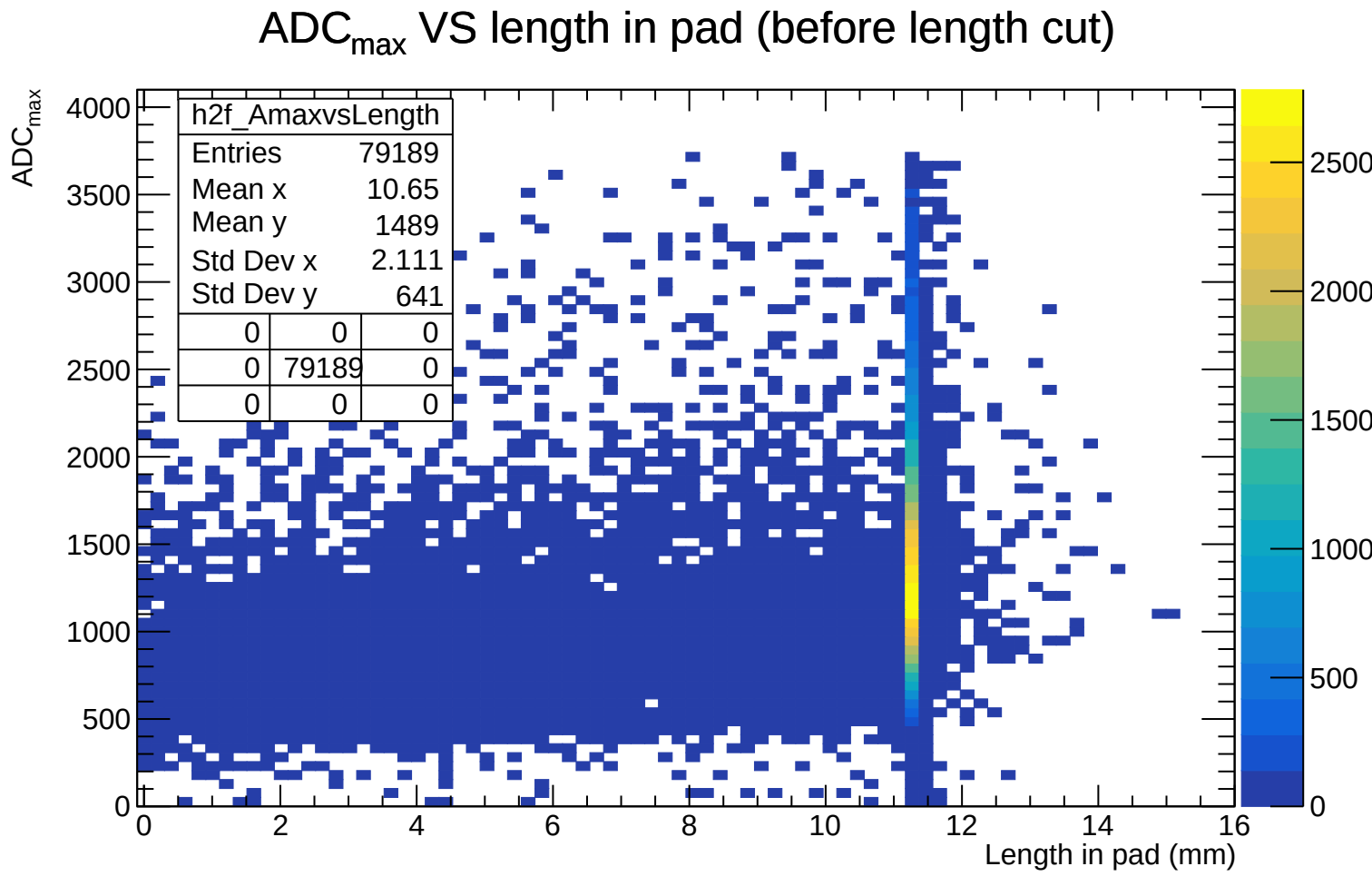

Normalized impact parameter d/d max
10 3
10 2
10
1
h1f_dnorm
Entries 79189
Mean 0.00298
Std Dev 0.5824
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d max

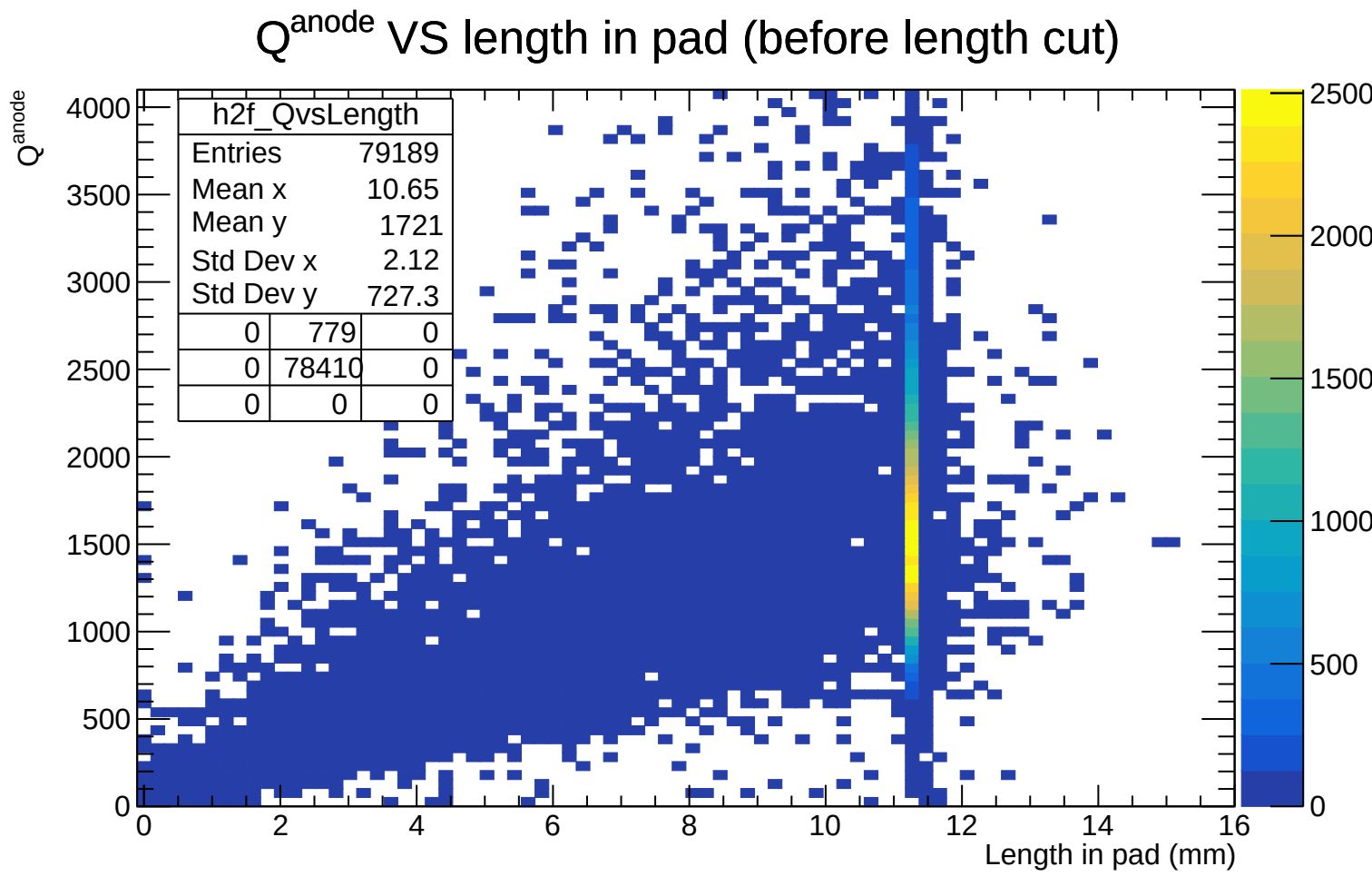

distance of track in pad
h1f_dist
Entries 79189
Mean 10.65
Std Dev 2.111
Underflow 0
Overflow 0
distance (mm)

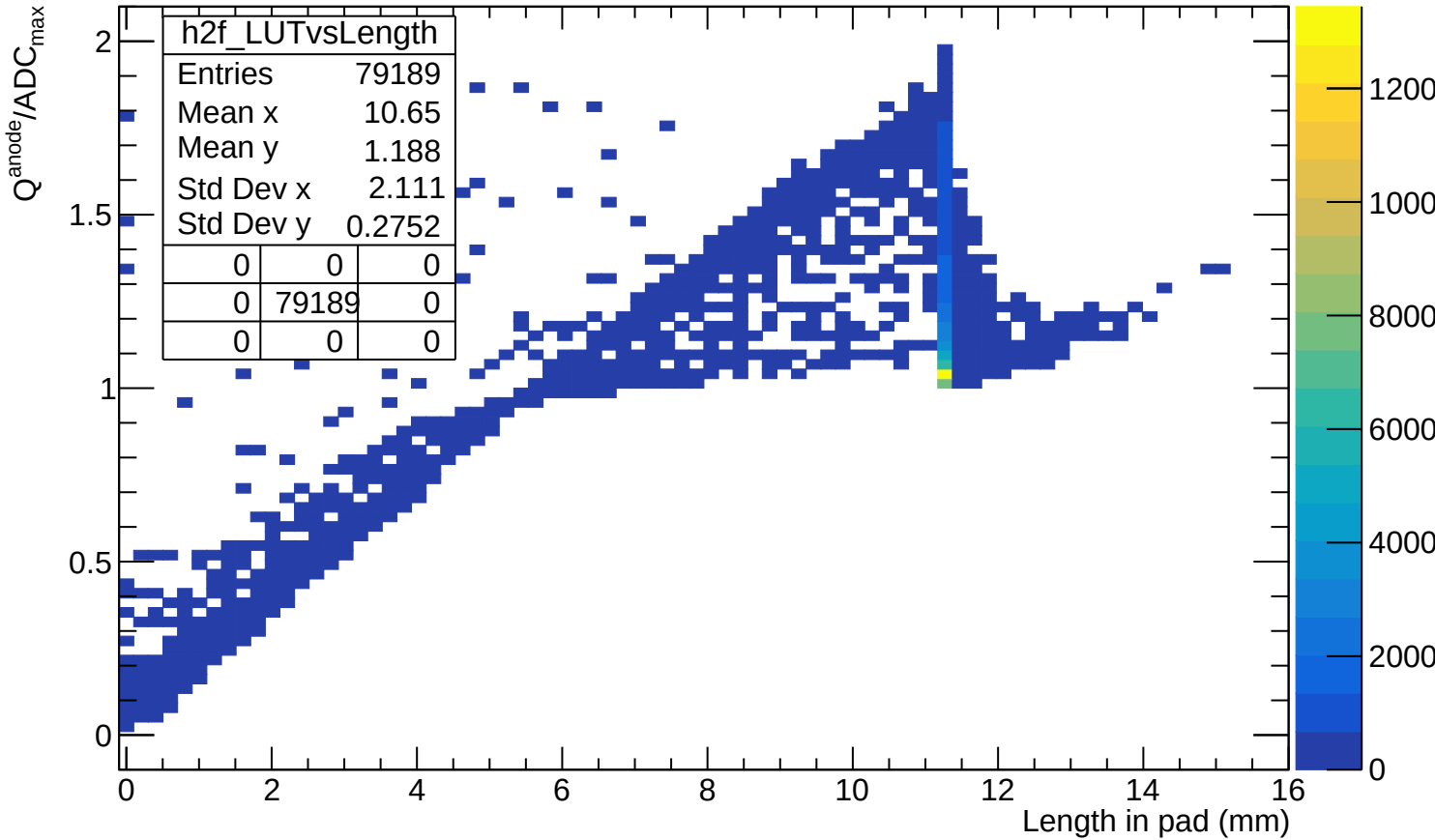

distance of track in cluster
h1f_dist_clus
Entries 74649
Mean 11.3
Std Dev 0.1494
Underflow 0
Overflow 1
distance (mm)

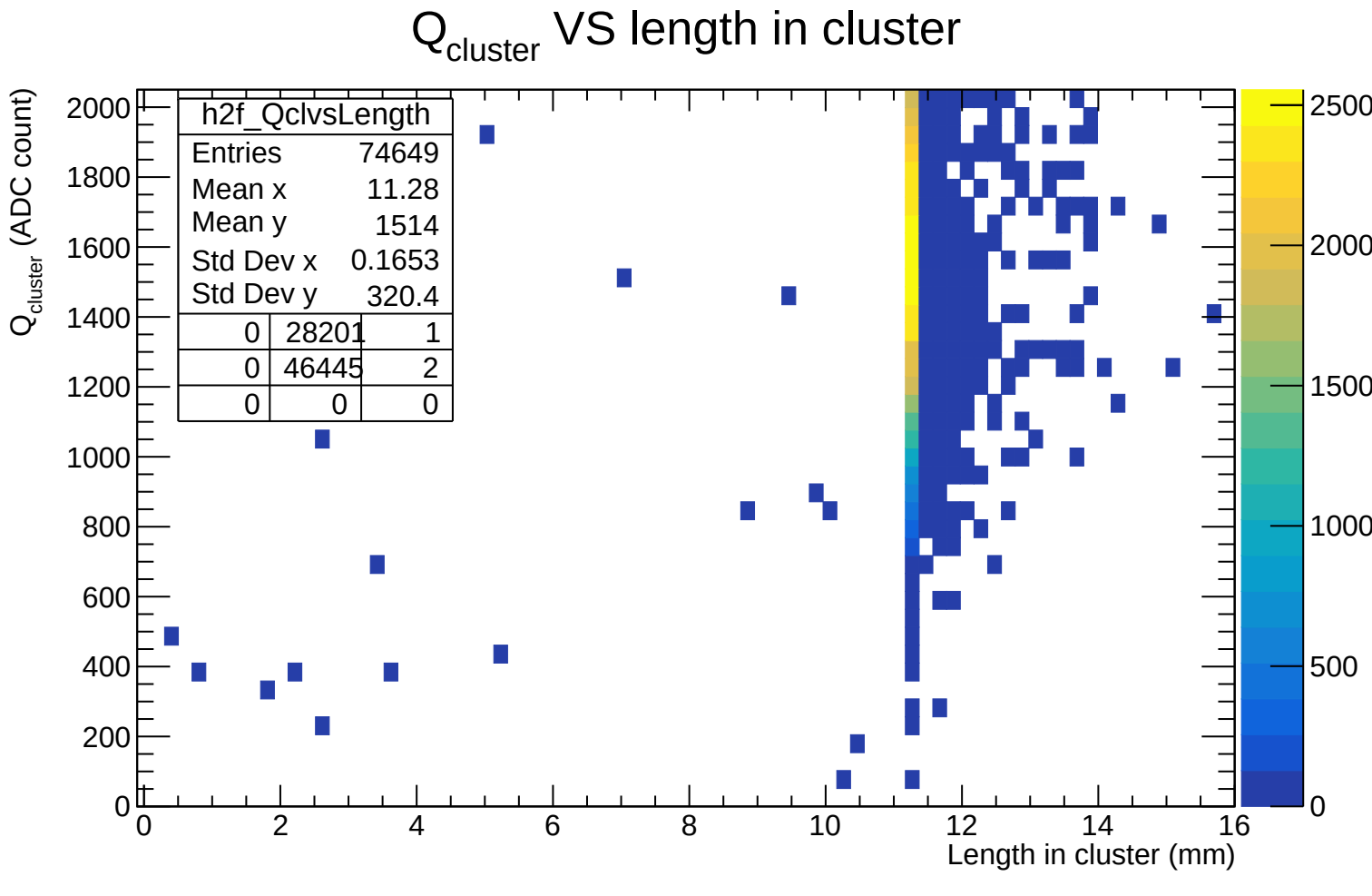

Correction A_{max} ratio
Count
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
ratio
h1f_WFcorr
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

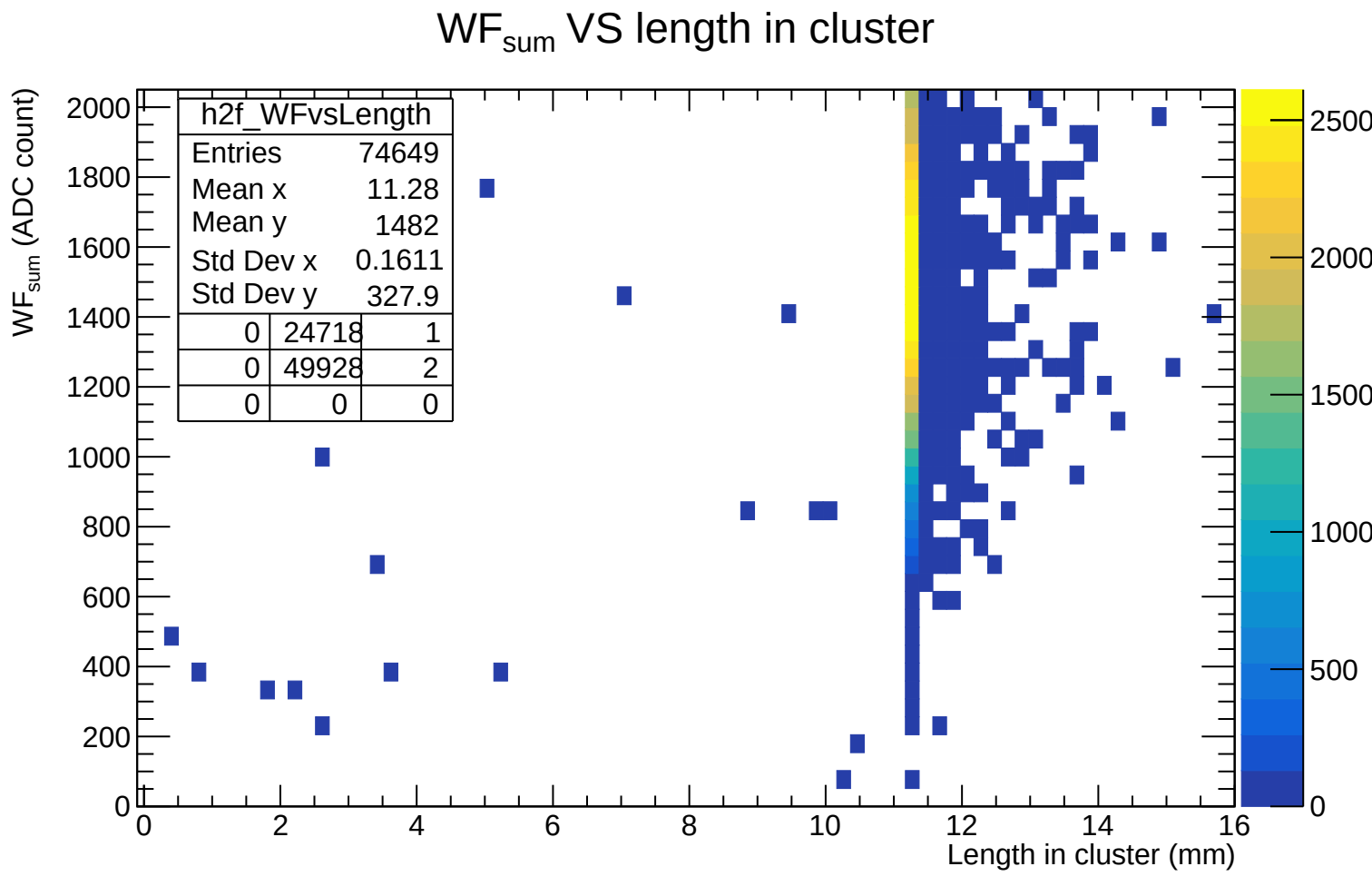

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 77558
Mean x 1.208
Mean y 1.227
Std Dev x 0.24
Std Dev y 0.2439
0 0 0
0 77558 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 1000 2000 3000 4000 5000 6000 7000 8000 9000

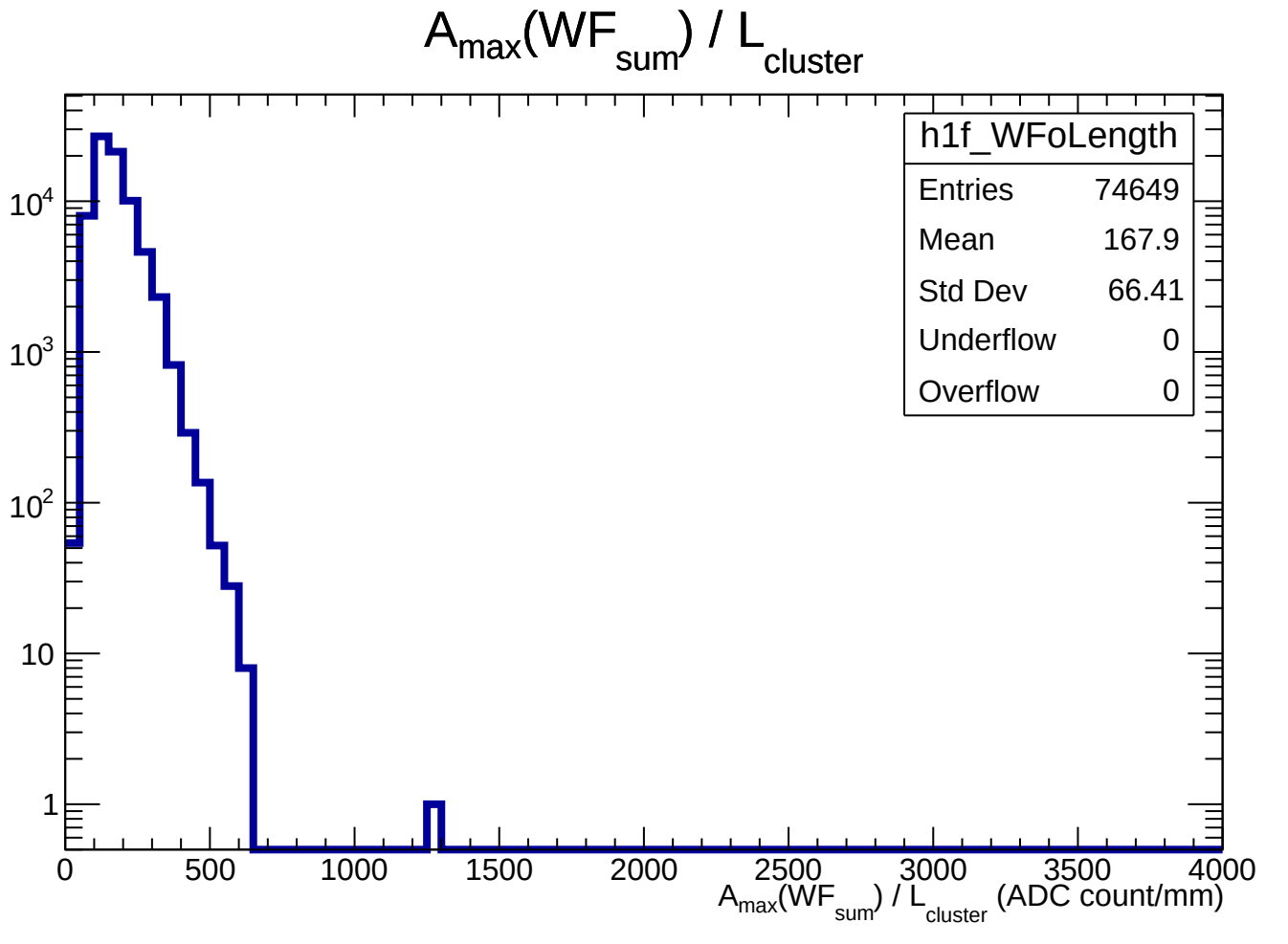

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 79189
Mean x 10.65
Mean y 1489
Std Dev x 2.111
Std Dev y 641
0 0 0
0 79189 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16

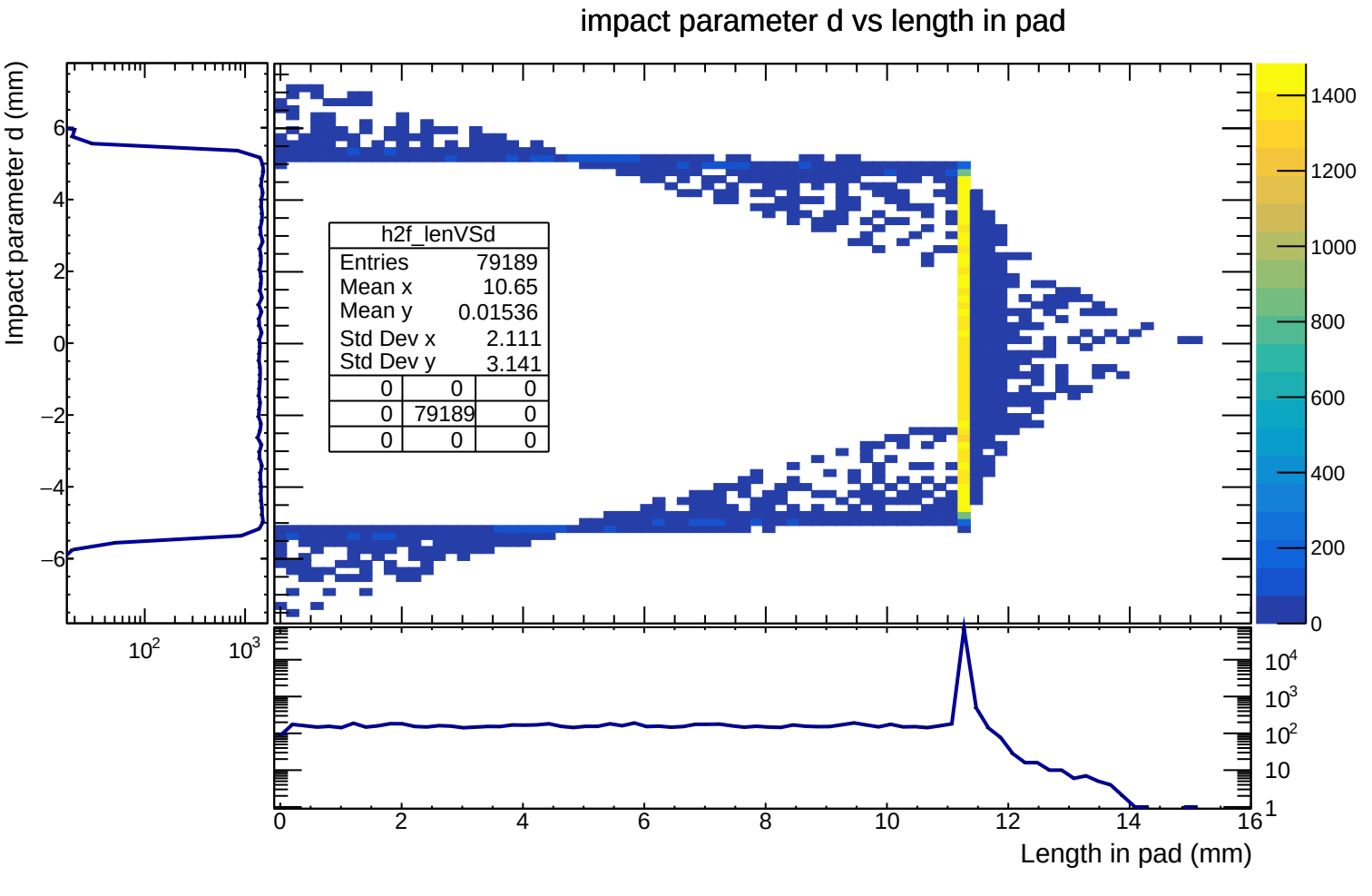

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 79189
Mean x 10.65
Mean y 1721
Std Dev x 2.12
Std Dev y 727.3
0 779 0
0 78410 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 79189
Mean x 10.65
Mean y 1.188
Std Dev x 2.111
Std Dev y 0.2752
0 0 0
0 79189 0
0 0 0
Q^anode/ADC_max
Length in pad (mm)
0
0.5
1
1.5
2
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200


$Q_{cluster}$ VS length in cluster
h2f_QclvsLength
Entries 74649
Mean x 11.28
Mean y 1514
Std Dev x 0.1653
Std Dev y 320.4
0 28201 1
0 46445 2
0 0 0
$Q_{cluster}$ (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
0 500 1000 1500 2000 2500


WF_sum VS length in cluster
WF_sum (ADC count)
Length in cluster (mm)
h2f_WFvsLength
Entries 74649
Mean x 11.28
Mean y 1482
Std Dev x 0.1611
Std Dev y 327.9
0 24718 1
0 49928 2
0 0 0
0 200 400 600 800 1000 1200 1400 1600 1800 2000
0 2 4 6 8 10 12 14 16
0 500 1000 1500 2000 2500


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 74649
Mean 167.9
Std Dev 66.41
Underflow 0
Overflow 0
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)
h2f_lenVSd
Entries 79189
Mean x 10.65
Mean y 0.01536
Std Dev x 2.111
Std Dev y 3.141
0 0 0
0 79189 0
0 0 0
Length in pad (mm)