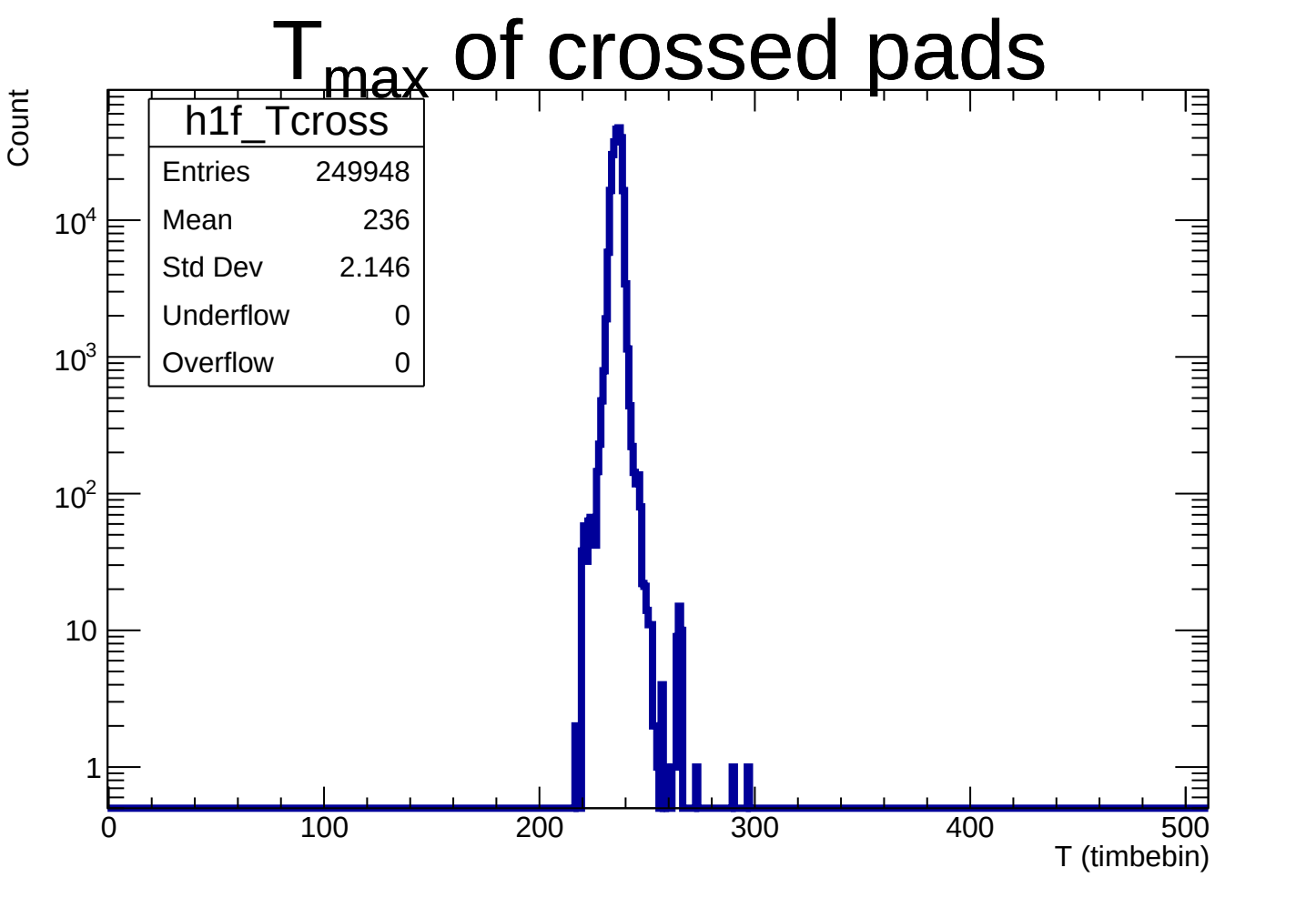
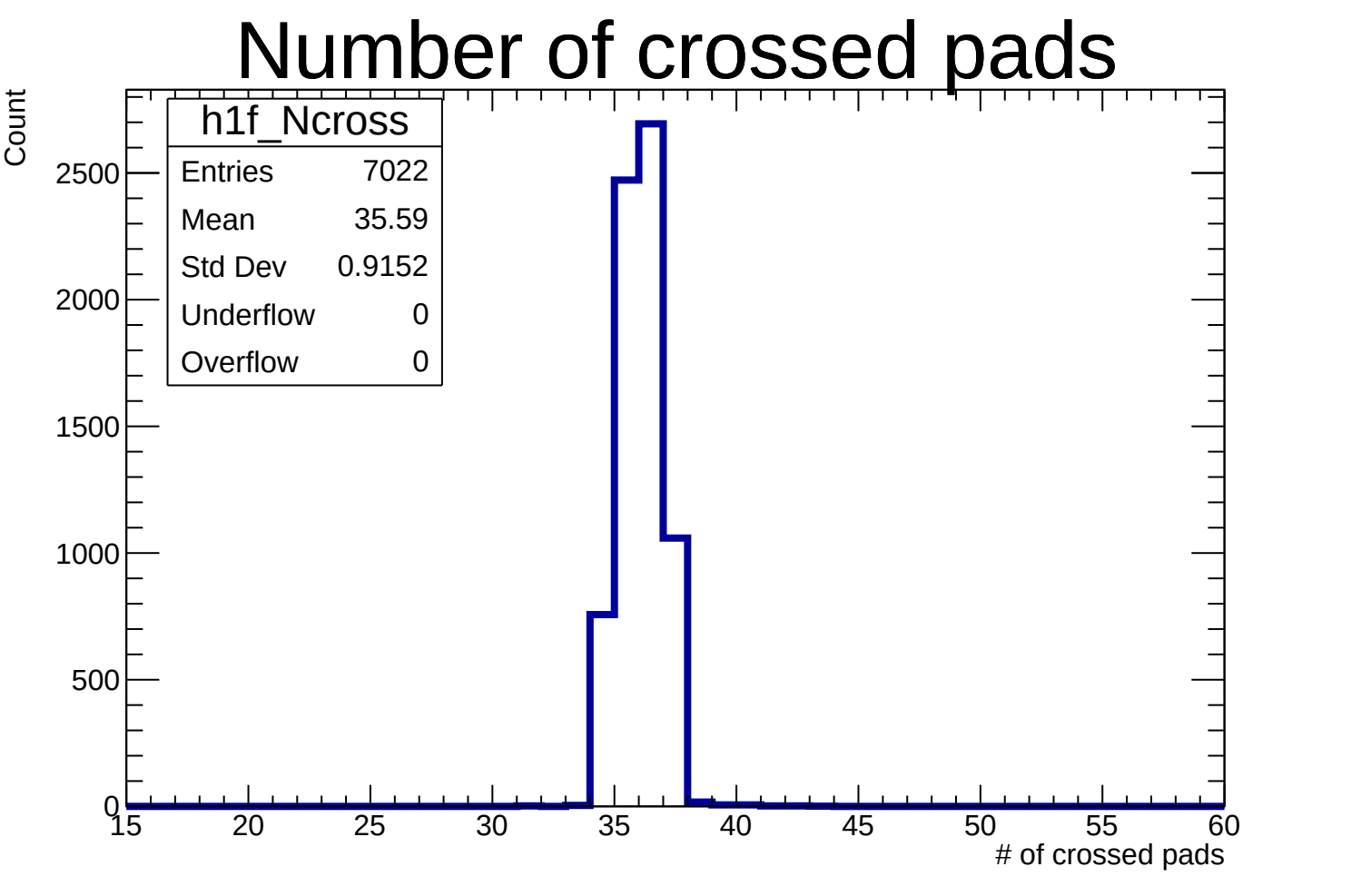
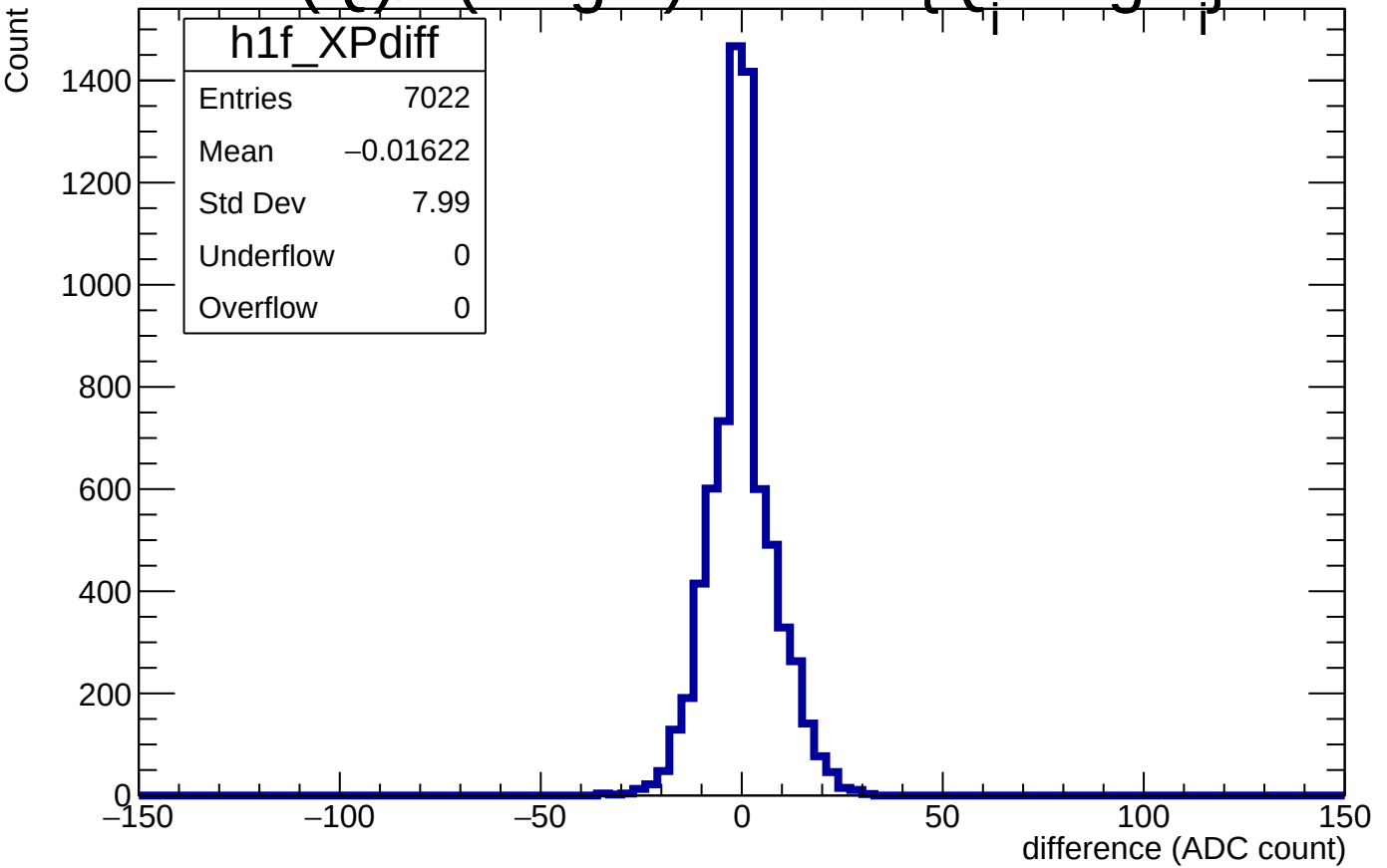
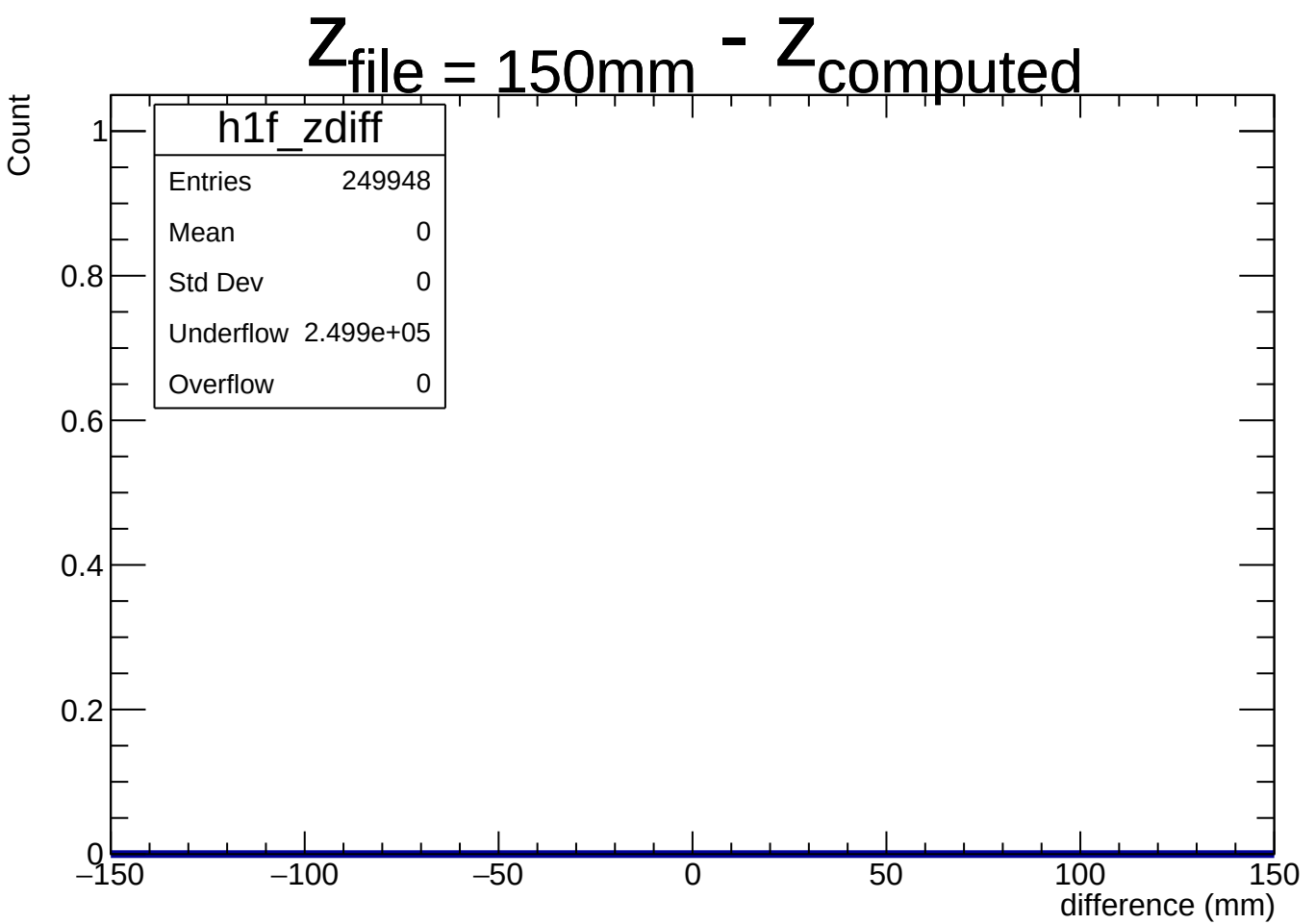
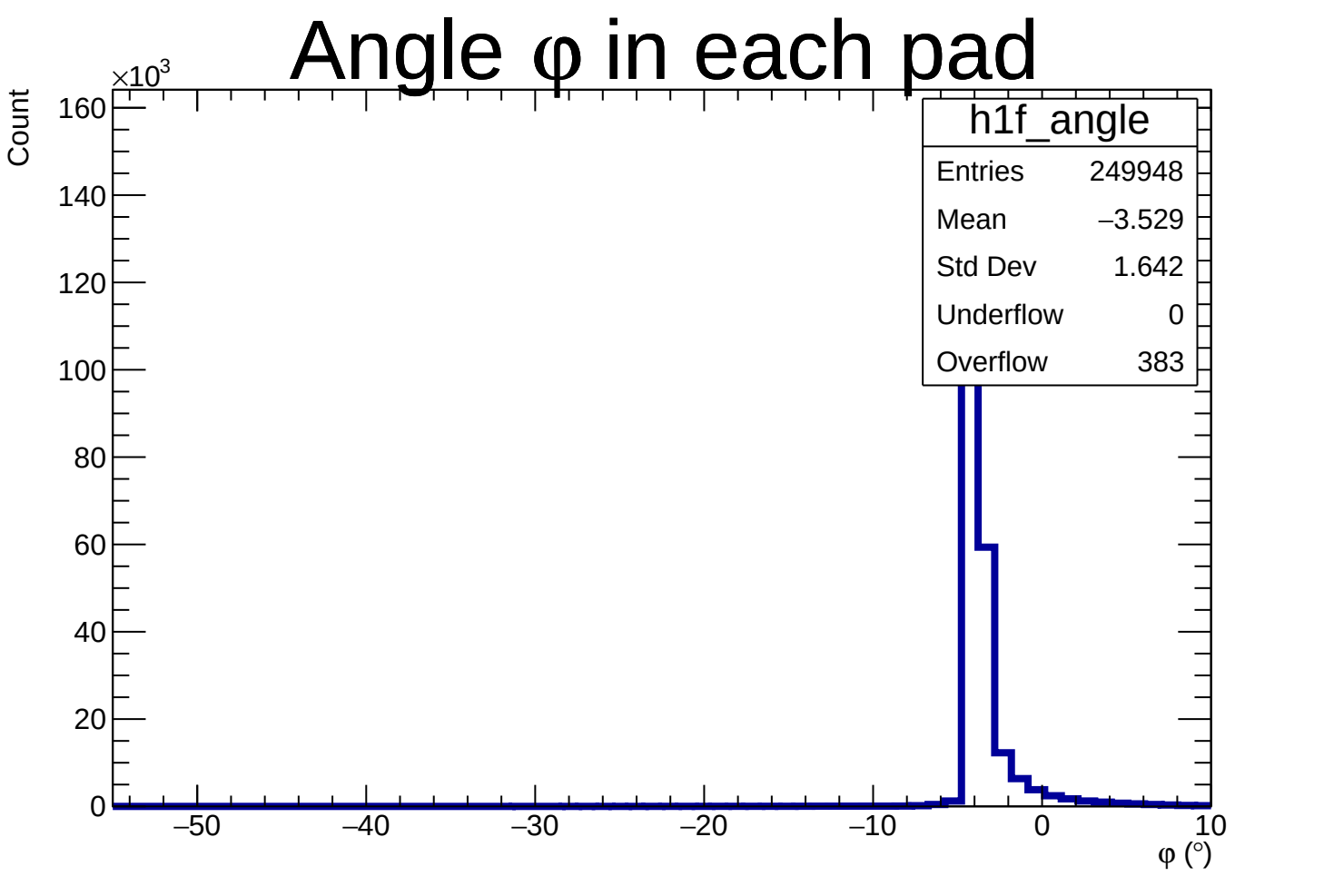
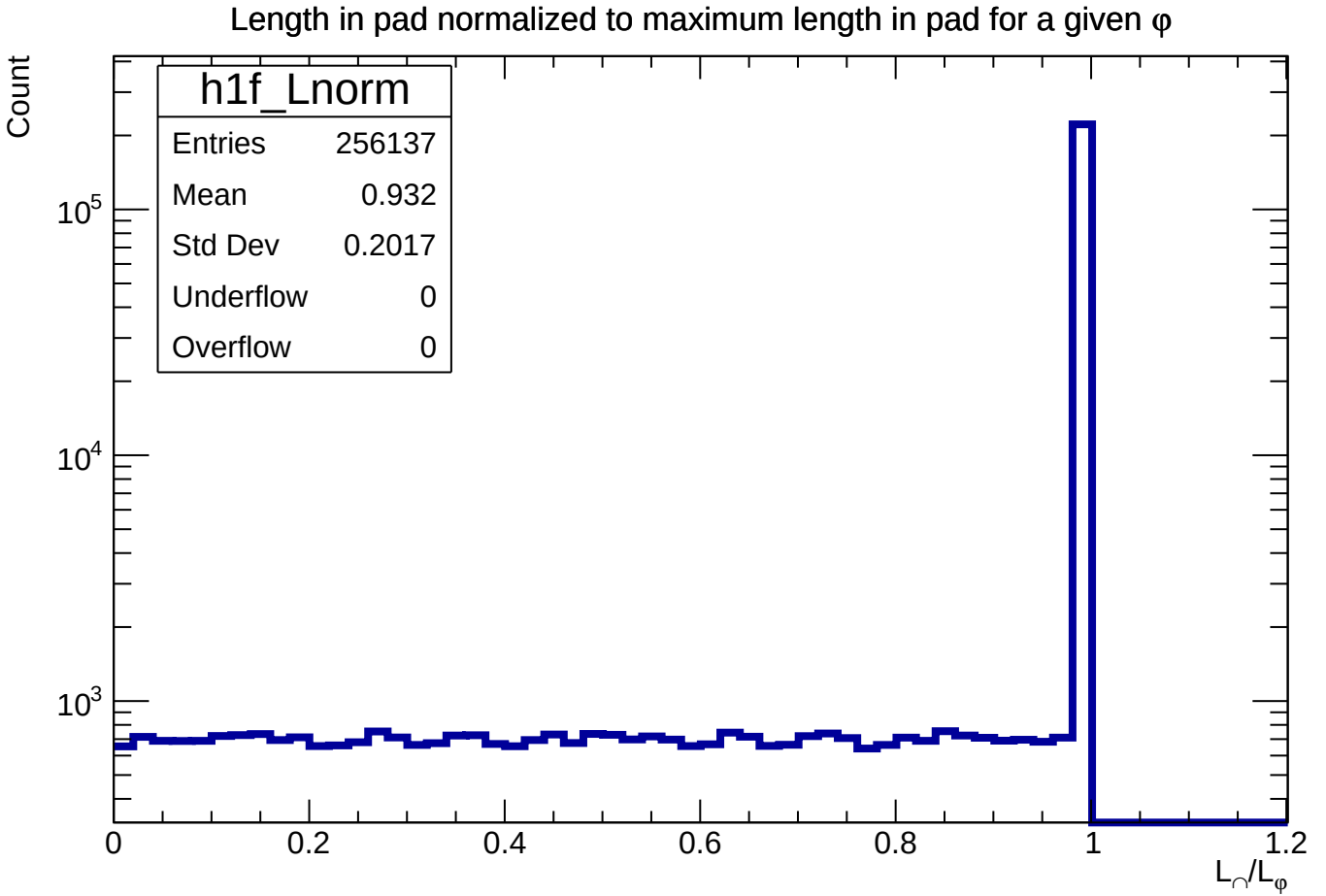

T_{max} of crossed pads
h1f_Tcross
Entries 249948
Mean 236
Std Dev 2.146
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

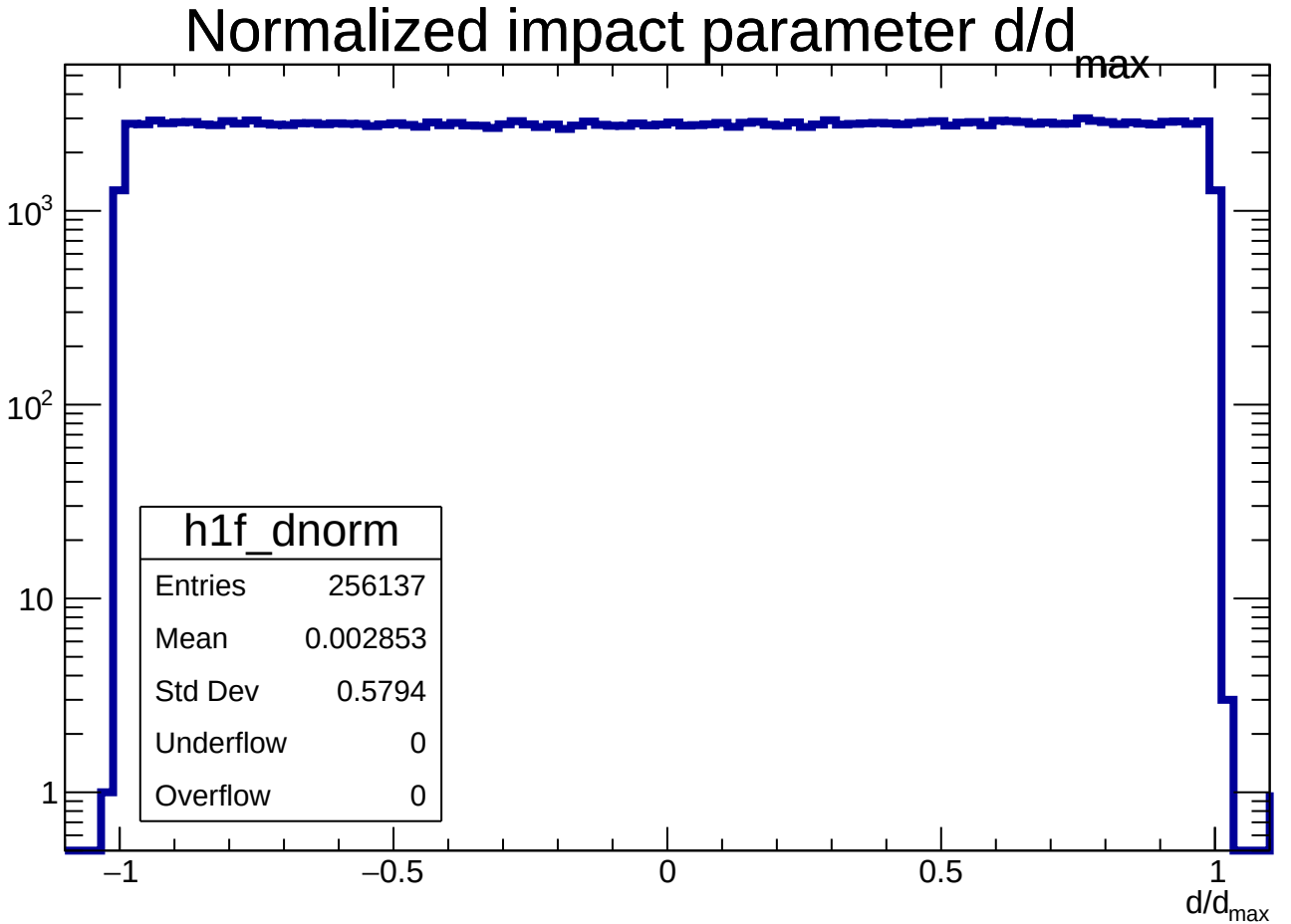

Number of crossed pads
h1f_Ncross
Entries 7022
Mean 35.59
Std Dev 0.9152
Underflow 0
Overflow 0
Count
2500
2000
1500
1000
500
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

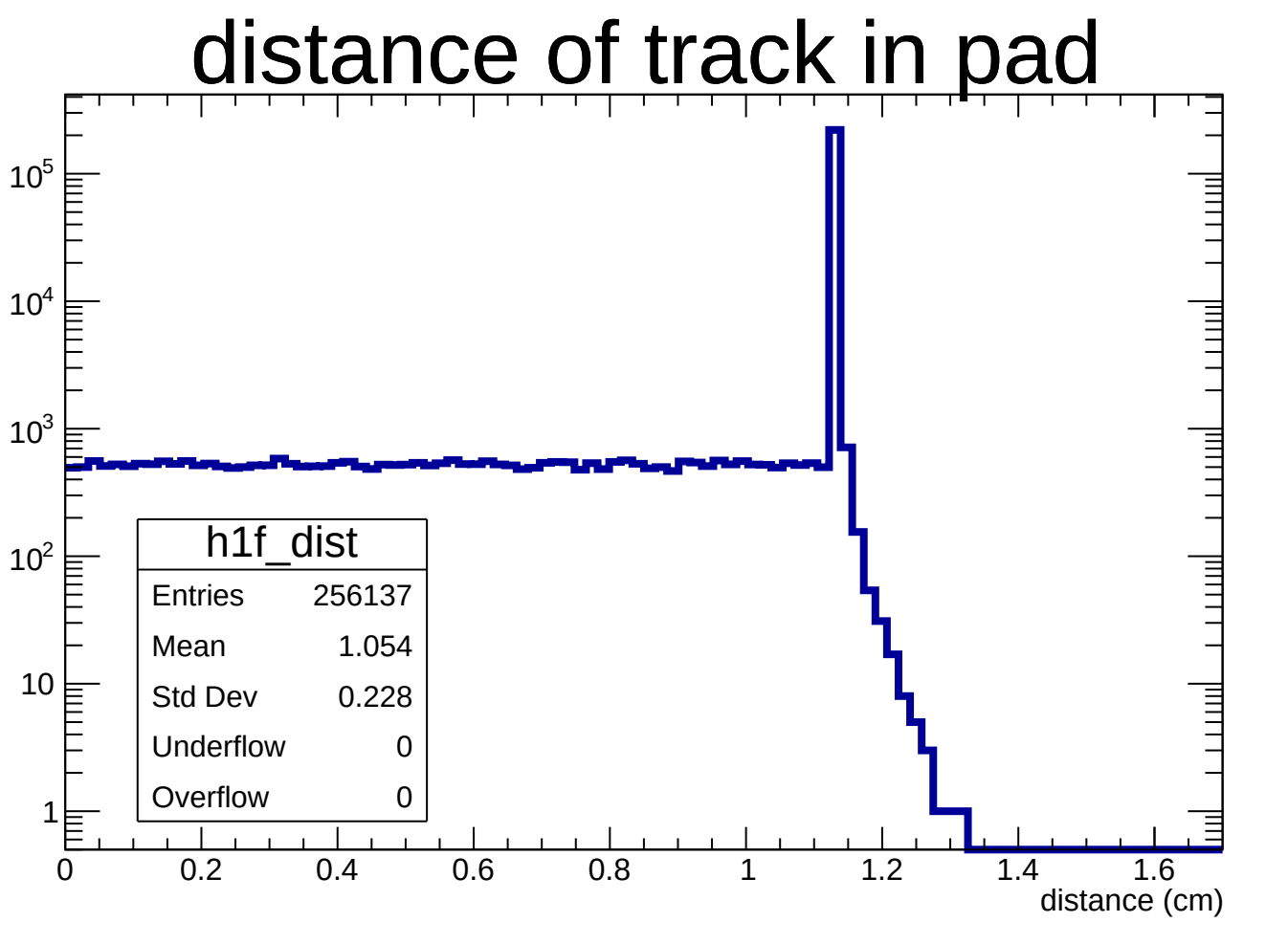

Σ(Q)/Σ(length) - mean{Q/length}
h1f_XPdiff
Entries 7022
Mean −0.01622
Std Dev 7.99
Underflow 0
Overflow 0
Count
1400
1200
1000
800
600
400
200
0
−150
−100
−50
0
50
100
150
difference (ADC count)

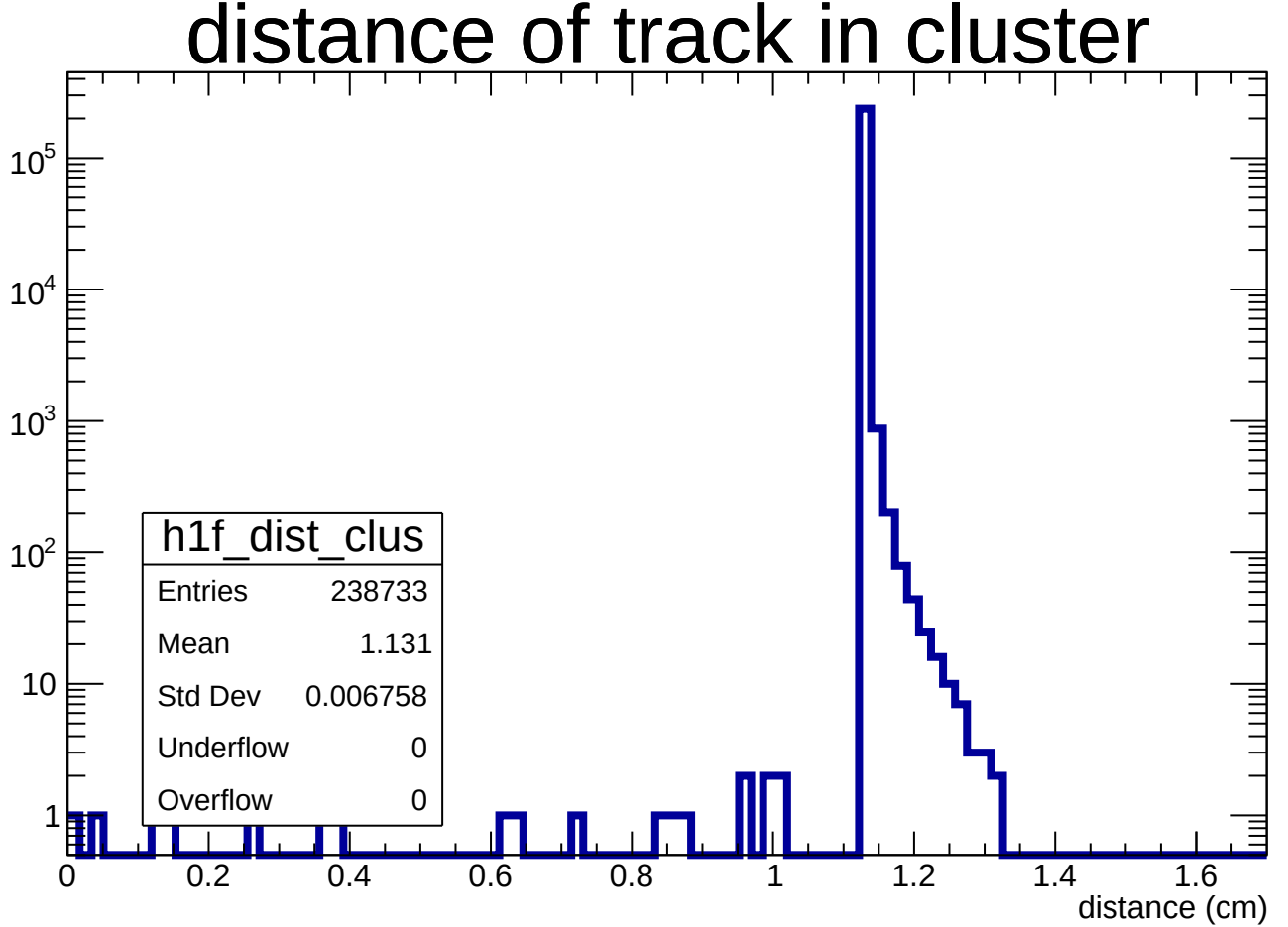

$Z_{file = 150mm} - Z_{computed}$
h1f_zdiff
Entries 249948
Mean 0
Std Dev 0
Underflow 2.499e+05
Overflow 0
Count
1
0.8
0.6
0.4
0.2
0
–150
–100
–50
0
50
100
150
difference (mm)

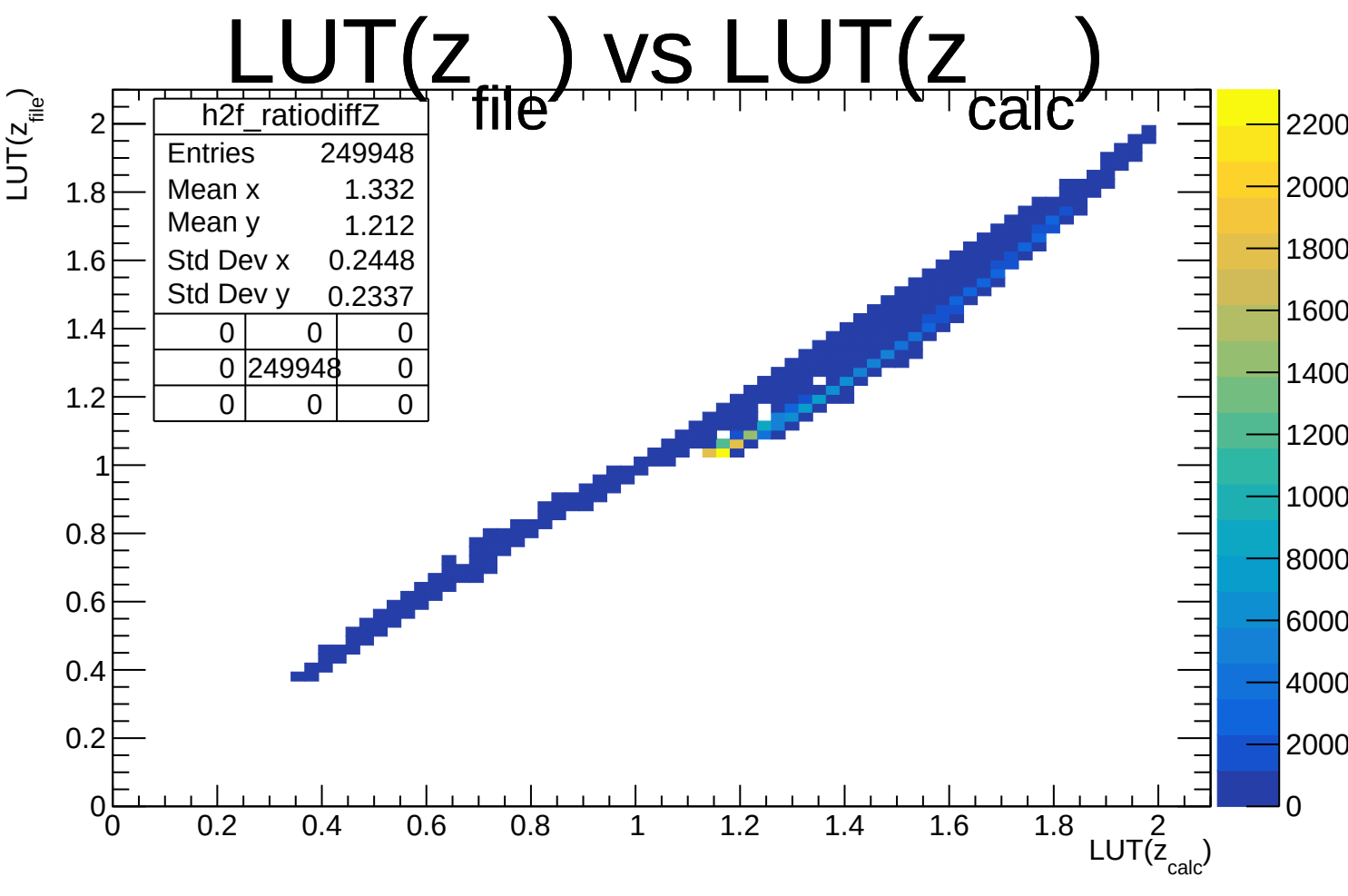

Angle φ in each pad
×10^3
Count
160
140
120
100
80
60
40
20
0
h1f_angle
Entries 249948
Mean −3.529
Std Dev 1.642
Underflow 0
Overflow 383
−50
−40
−30
−20
−10
0
10
φ (°)

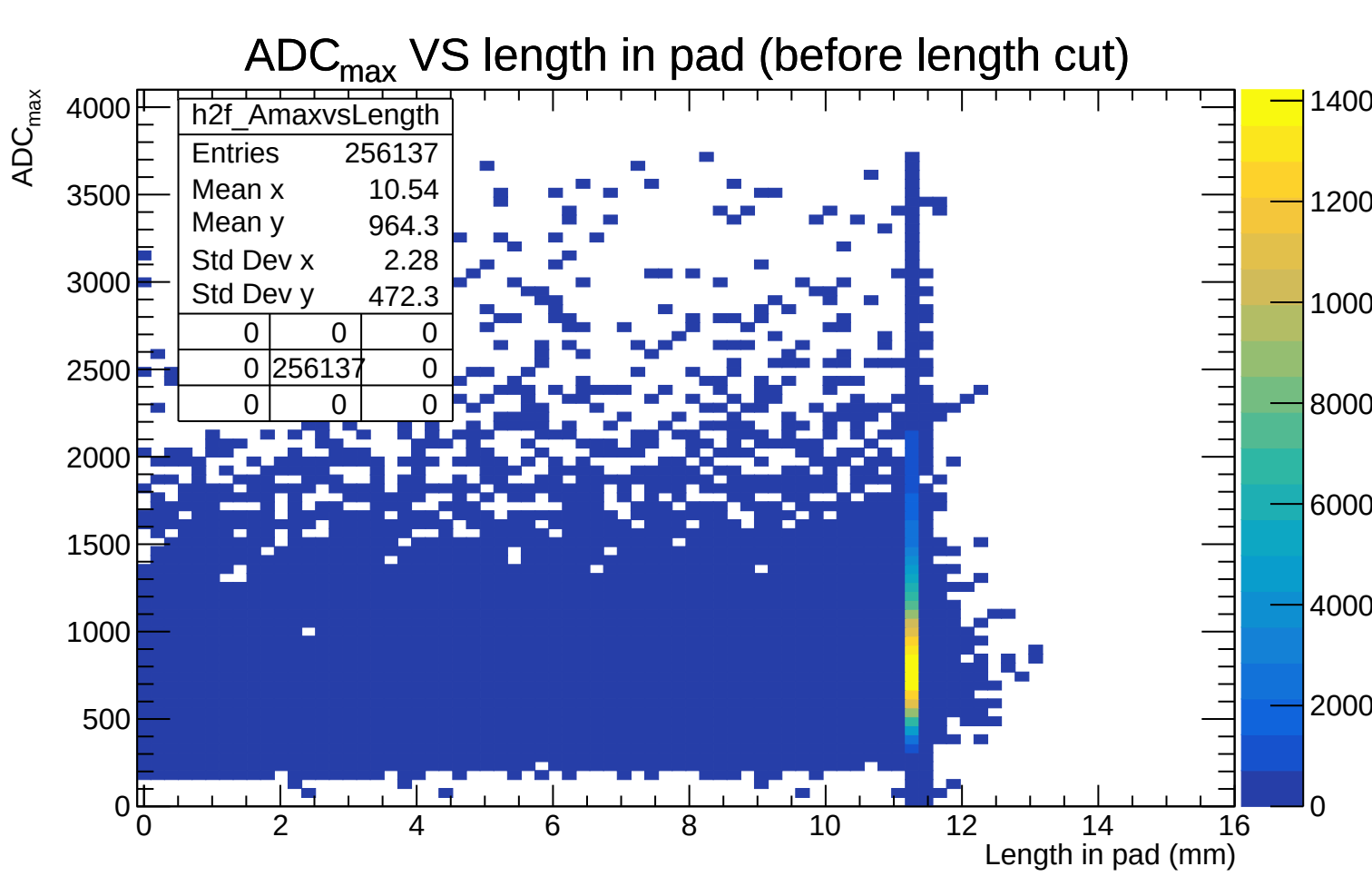

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 256137
Mean 0.932
Std Dev 0.2017
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L◠/Lφ

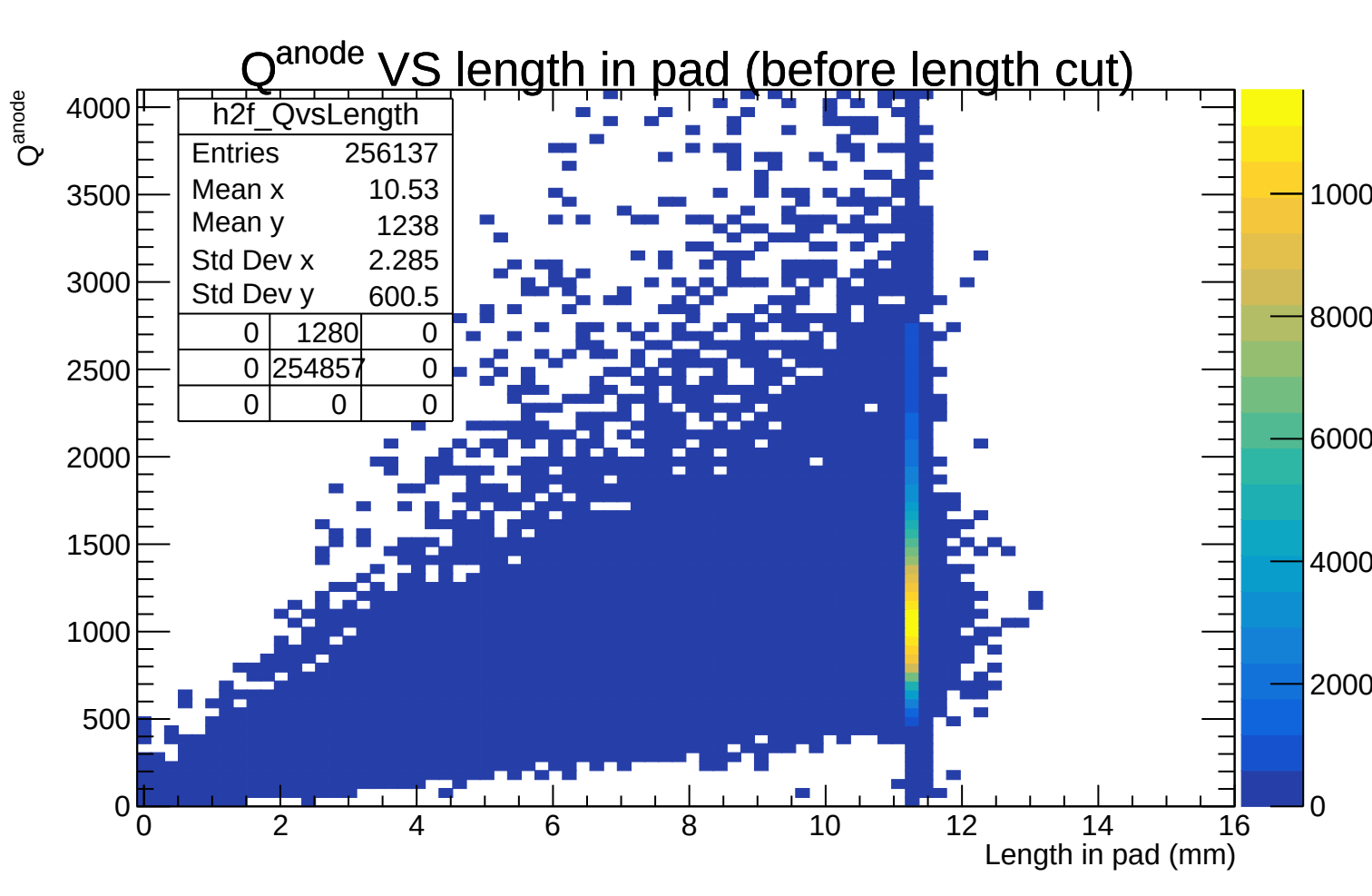

Normalized impact parameter d/d max
h1f_dnorm
Entries 256137
Mean 0.002853
Std Dev 0.5794
Underflow 0
Overflow 0
10^3
10^2
10
1
−1
−0.5
0
0.5
1
d/d max

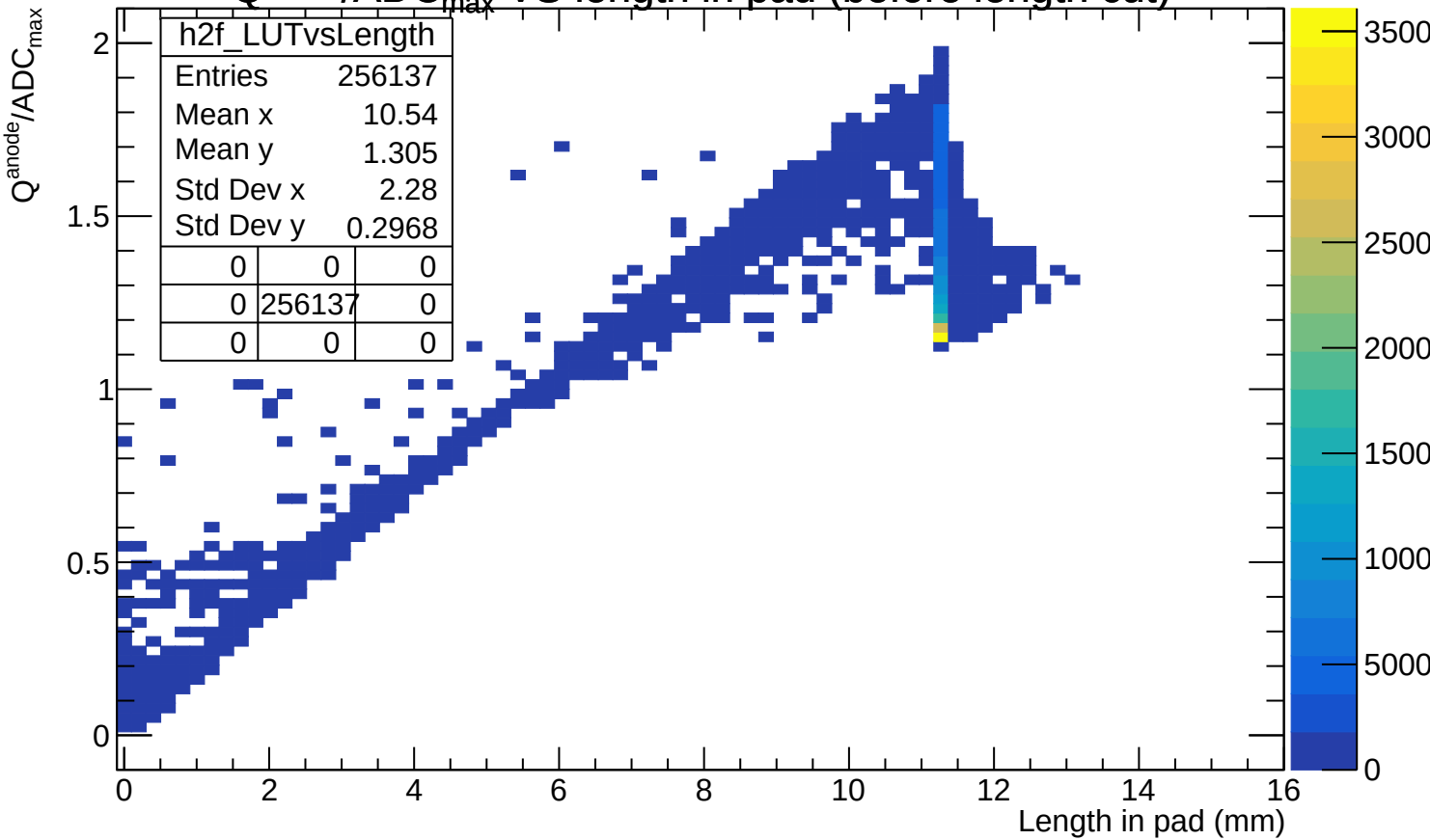

distance of track in pad
h1f_dist
Entries 256137
Mean 1.054
Std Dev 0.228
Underflow 0
Overflow 0
distance (cm)

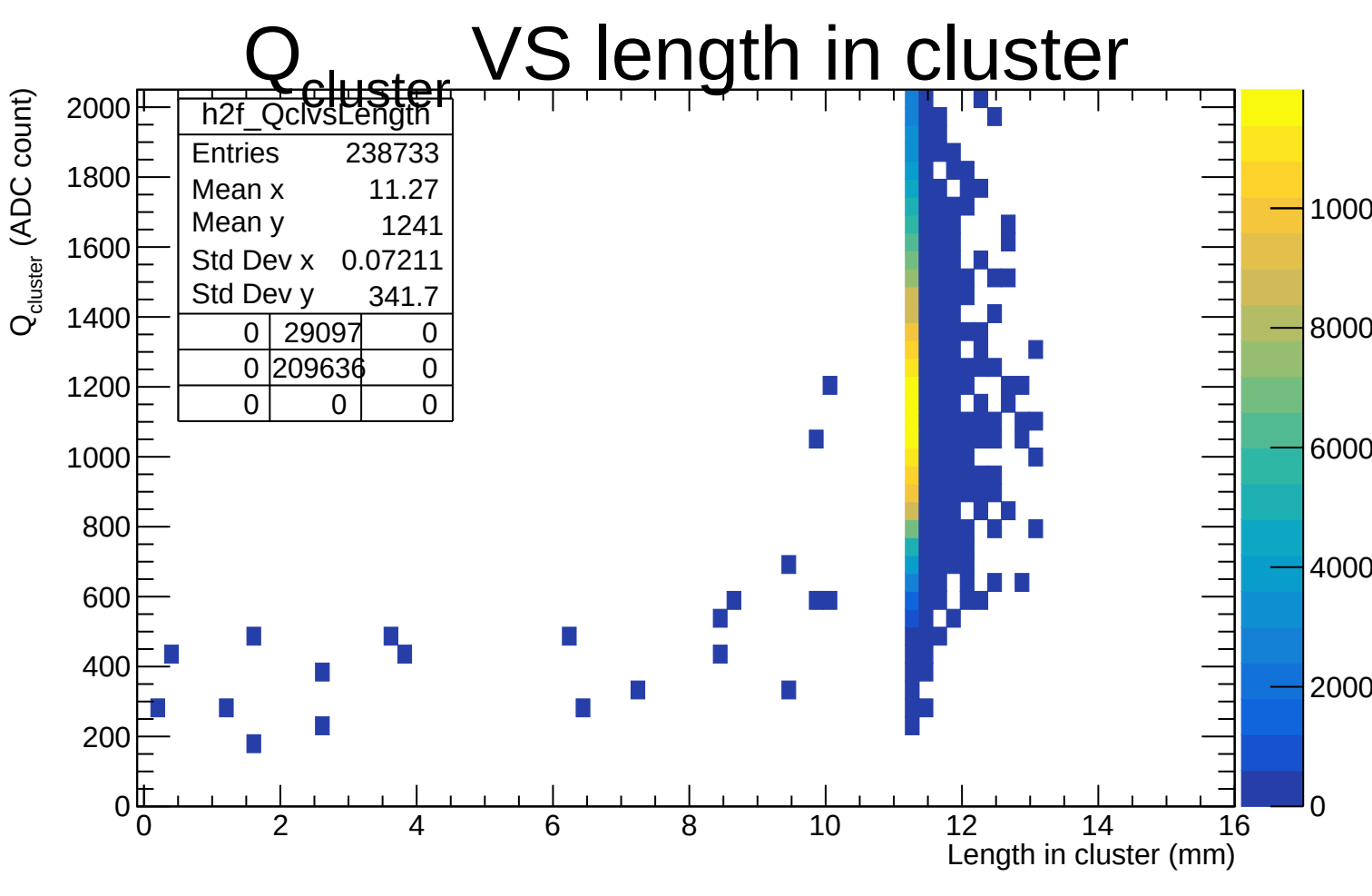

distance of track in cluster
h1f_dist_clus
Entries 238733
Mean 1.131
Std Dev 0.006758
Underflow 0
Overflow 0
distance (cm)

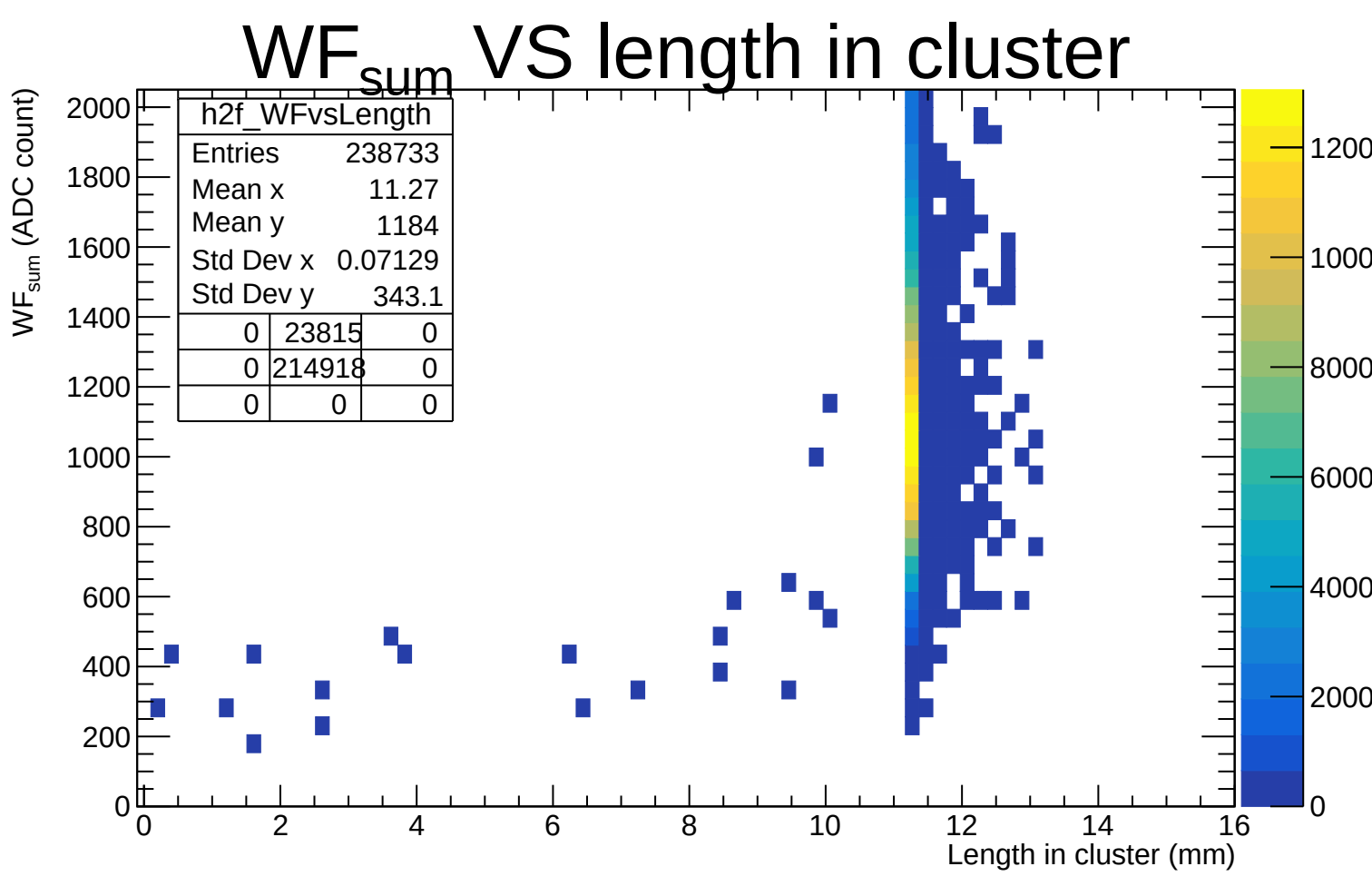

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 249948
Mean x 1.332
Mean y 1.212
Std Dev x 0.2448
Std Dev y 0.2337
0 0 0
0 249948 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
2200 2000 1800 1600 1400 1200 1000 8000 6000 4000 2000 0

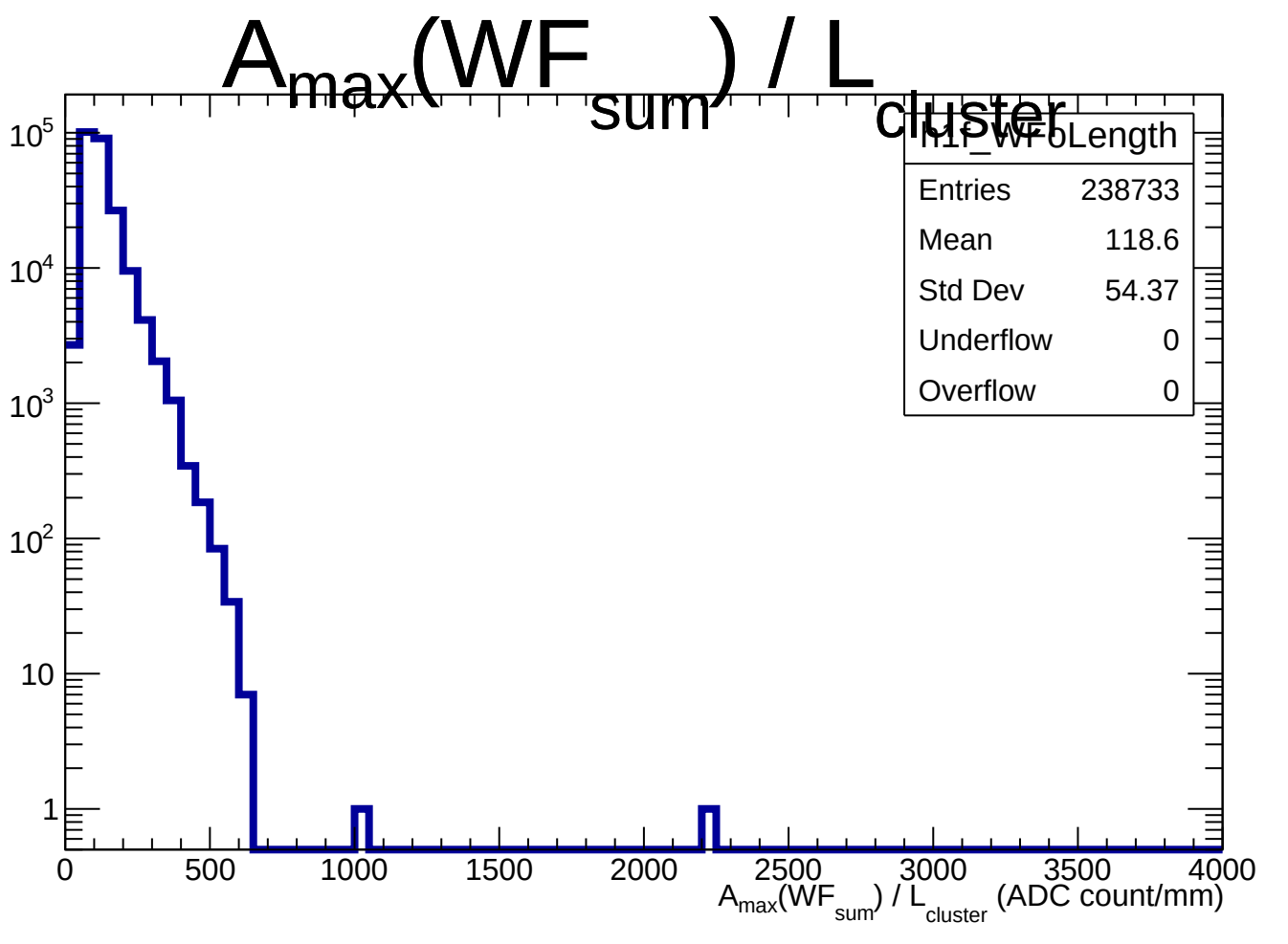

ADC$_{max}$ VS length in pad (before length cut)
ADC$_{max}$
Length in pad (mm)
h2f_AmaxvsLength
Entries 256137
Mean x 10.54
Mean y 964.3
Std Dev x 2.28
Std Dev y 472.3
0 0 0
0 256137 0
0 0 0
0 500 1000 1500 2000 2500 3000 3500 4000
0 2 4 6 8 10 12 14 16
0 2000 4000 6000 8000 1000 1200 1400

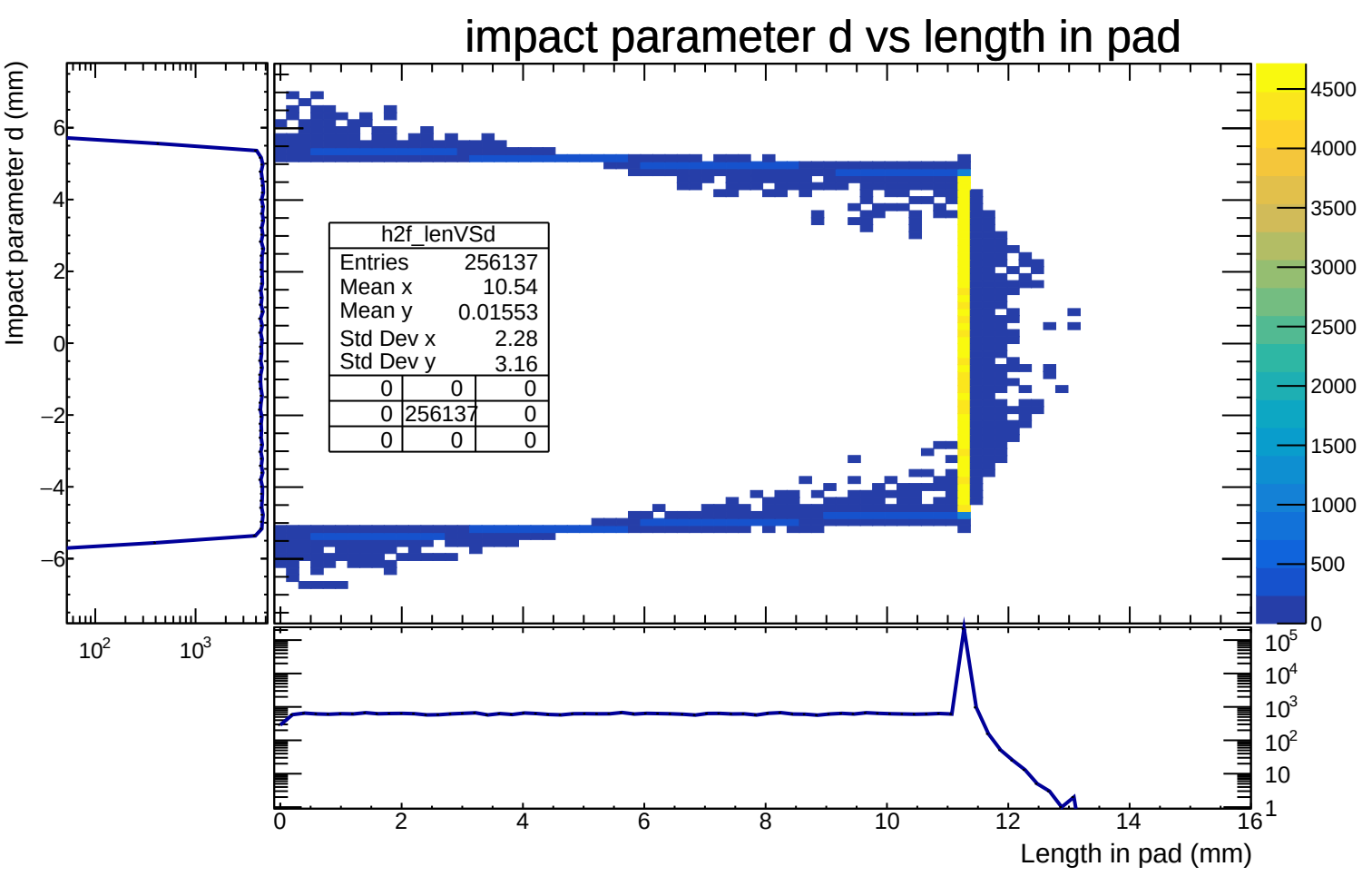

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 256137
Mean x 10.53
Mean y 1238
Std Dev x 2.285
Std Dev y 600.5
0 1280 0
0 254857 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
1000
8000
6000
4000
2000
0


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 256137
Mean x 10.54
Mean y 1.305
Std Dev x 2.28
Std Dev y 0.2968
0 0 0
0 256137 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
500
1000
1500
2000
2500
3000
3500


Q cluster VS length in cluster
h2f_QclvsLength
Entries 238733
Mean x 11.27
Mean y 1241
Std Dev x 0.07211
Std Dev y 341.7
0 29097 0
0 209636 0
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
1000
8000
6000
4000
2000
0


WF_sum VS length in cluster
h2f_WFvsLength
Entries 238733
Mean x 11.27
Mean y 1184
Std Dev x 0.07129
Std Dev y 343.1
0 23815 0
0 214918 0
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


$A_{max}(WF_{sum}) / L_{cluster}$
h1_WF0Length
Entries 238733
Mean 118.6
Std Dev 54.37
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 256137
Mean x 10.54
Mean y 0.01553
Std Dev x 2.28
Std Dev y 3.16
0 0 0
0 256137 0
0 0 0