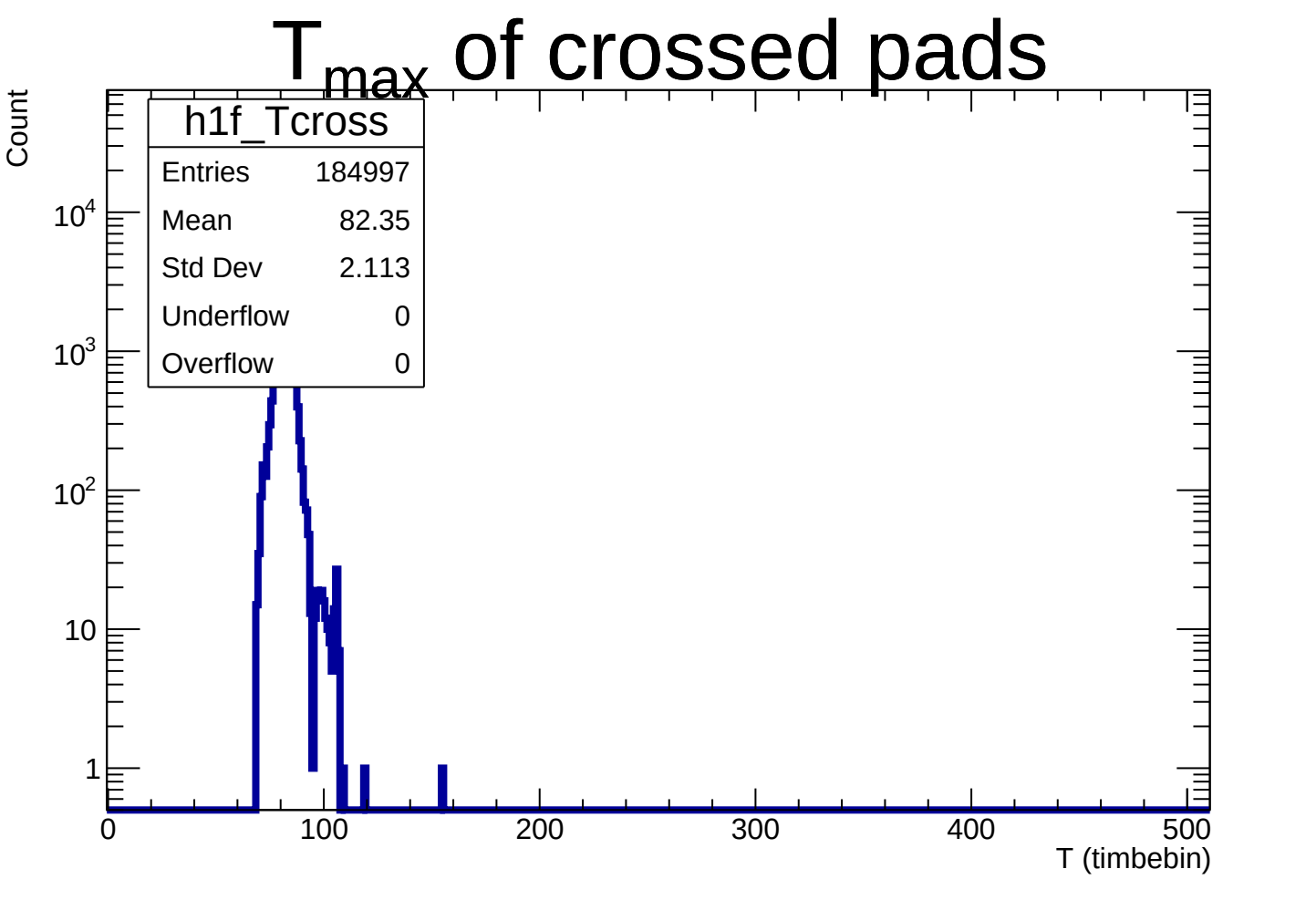
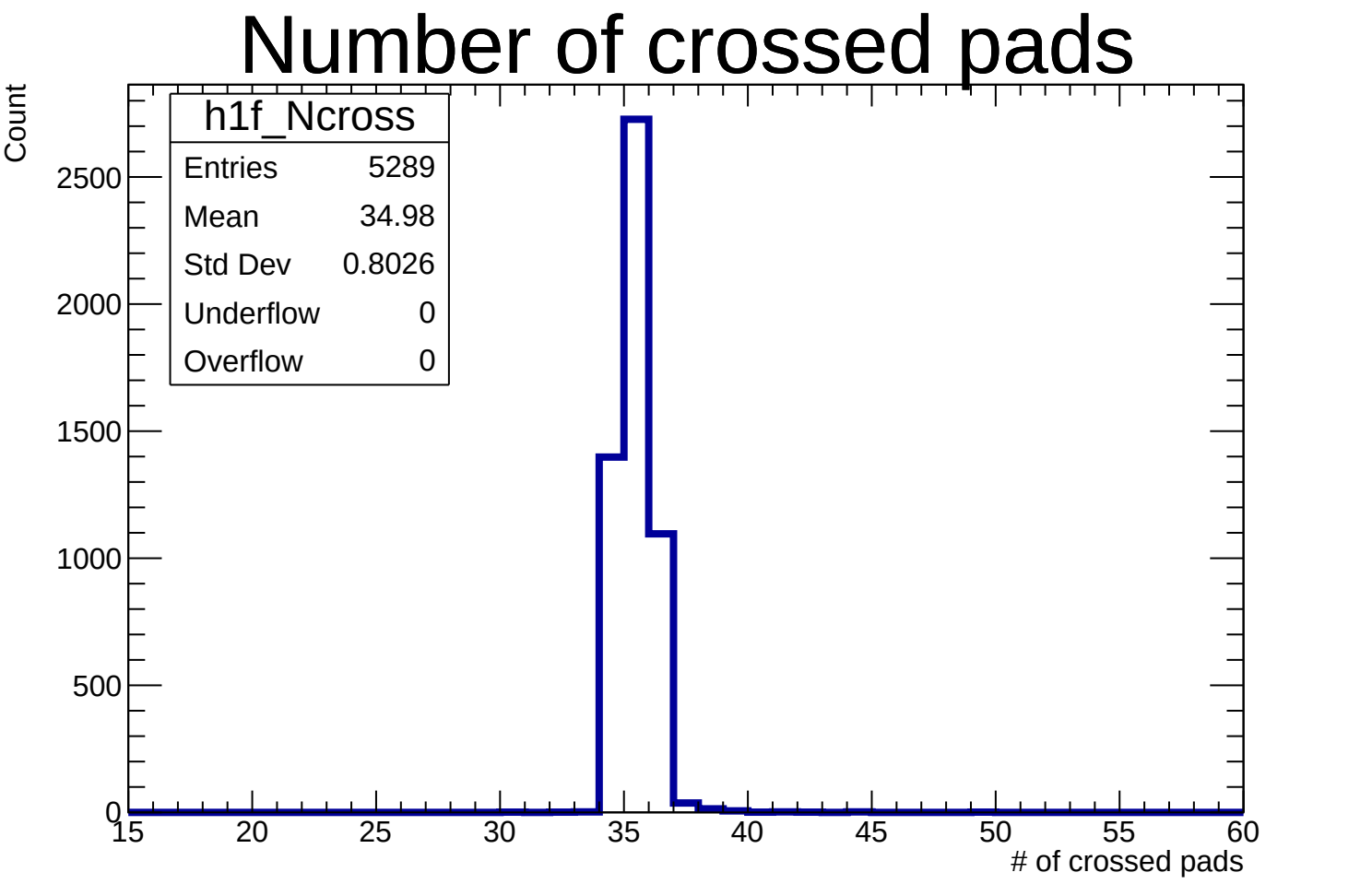
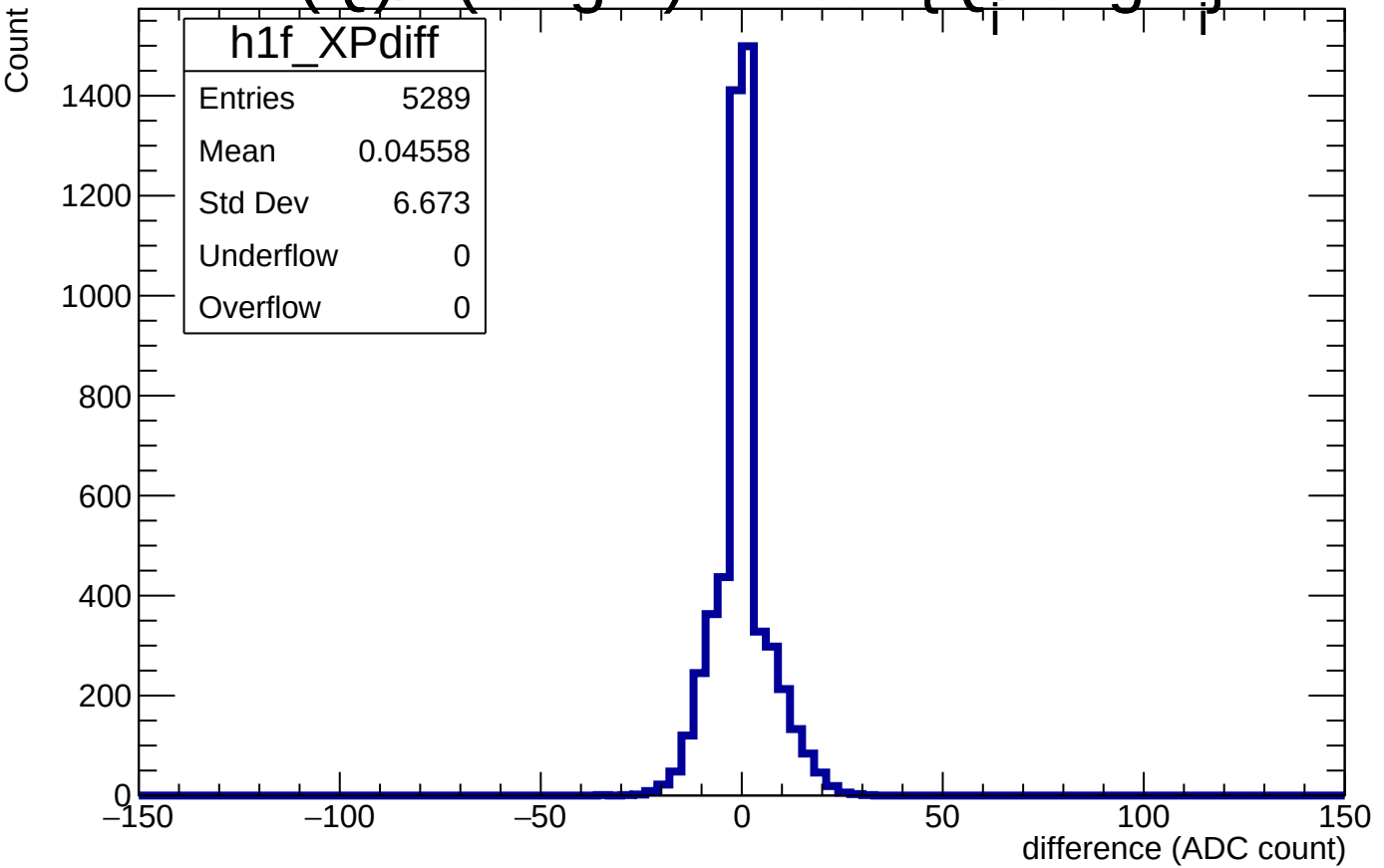
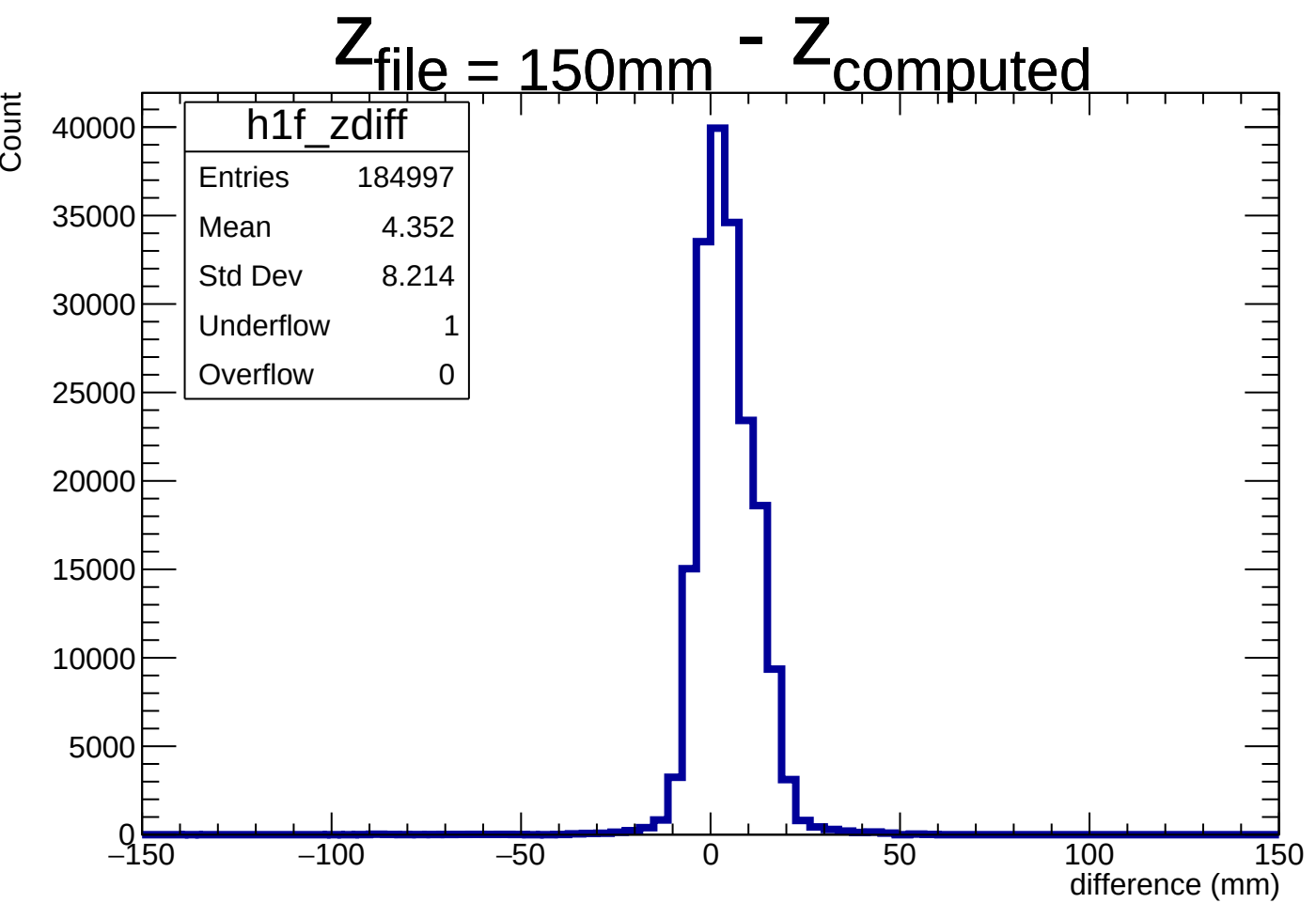
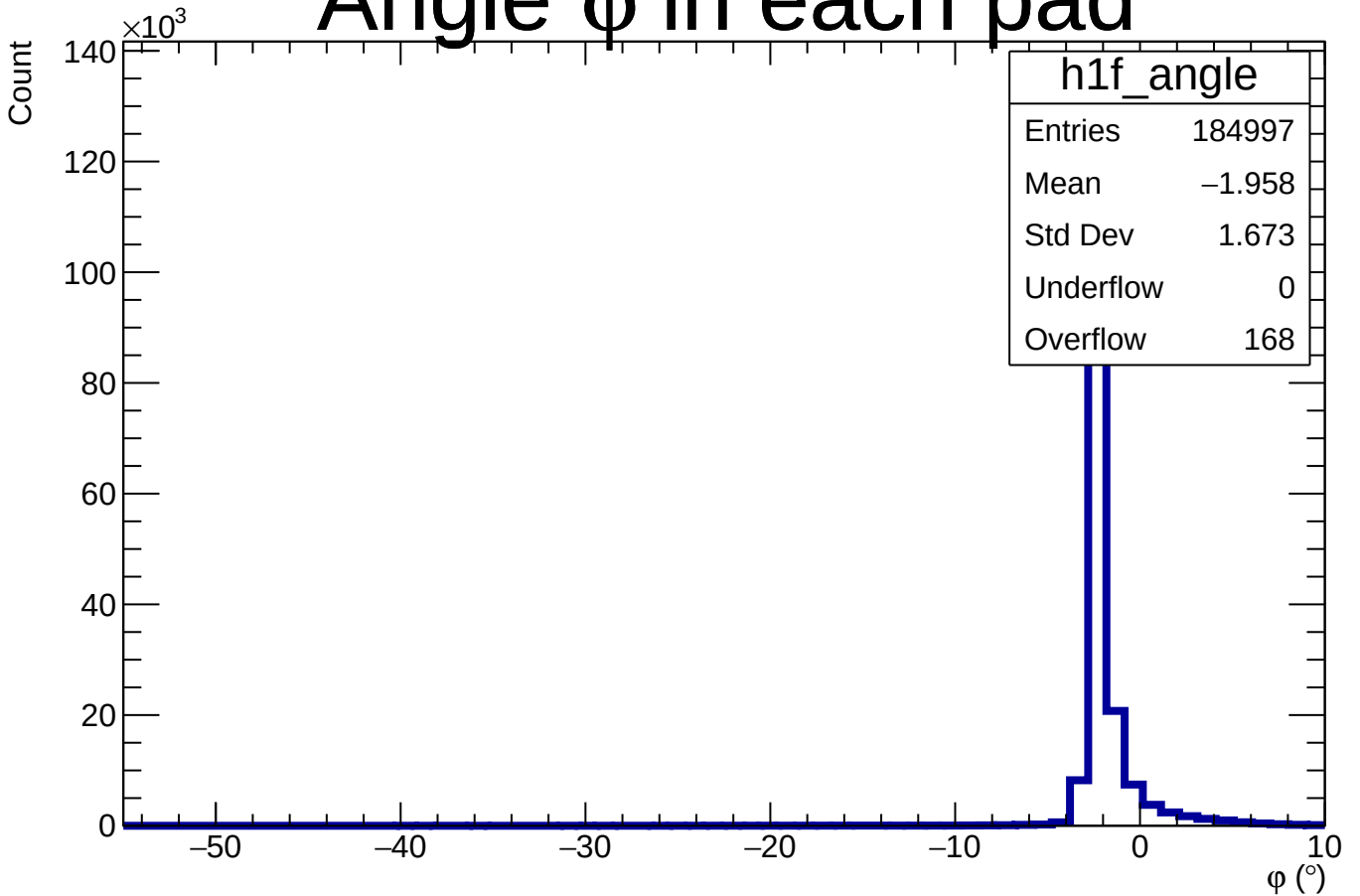
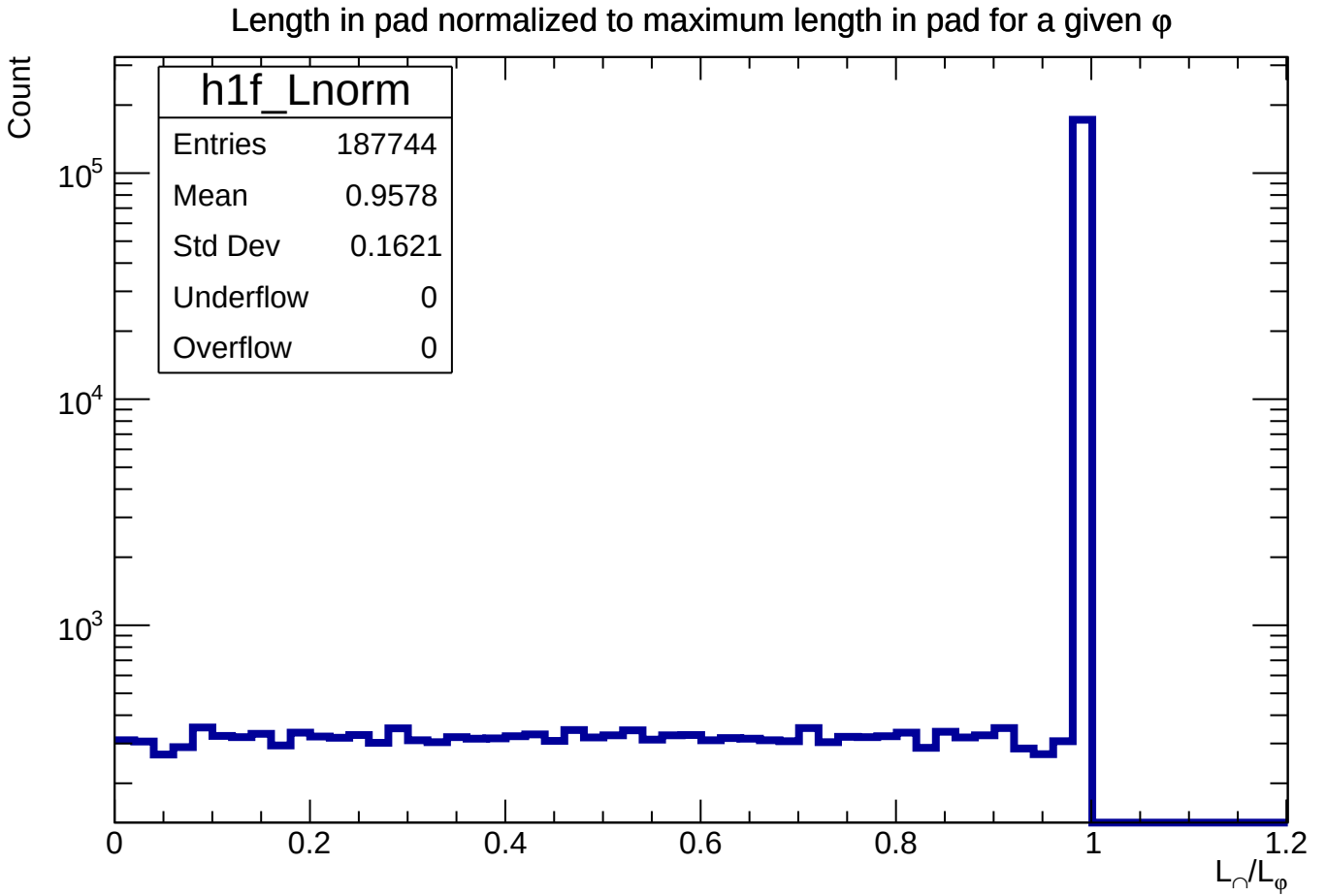

T_max of crossed pads
h1f_Tcross
Entries 184997
Mean 82.35
Std Dev 2.113
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

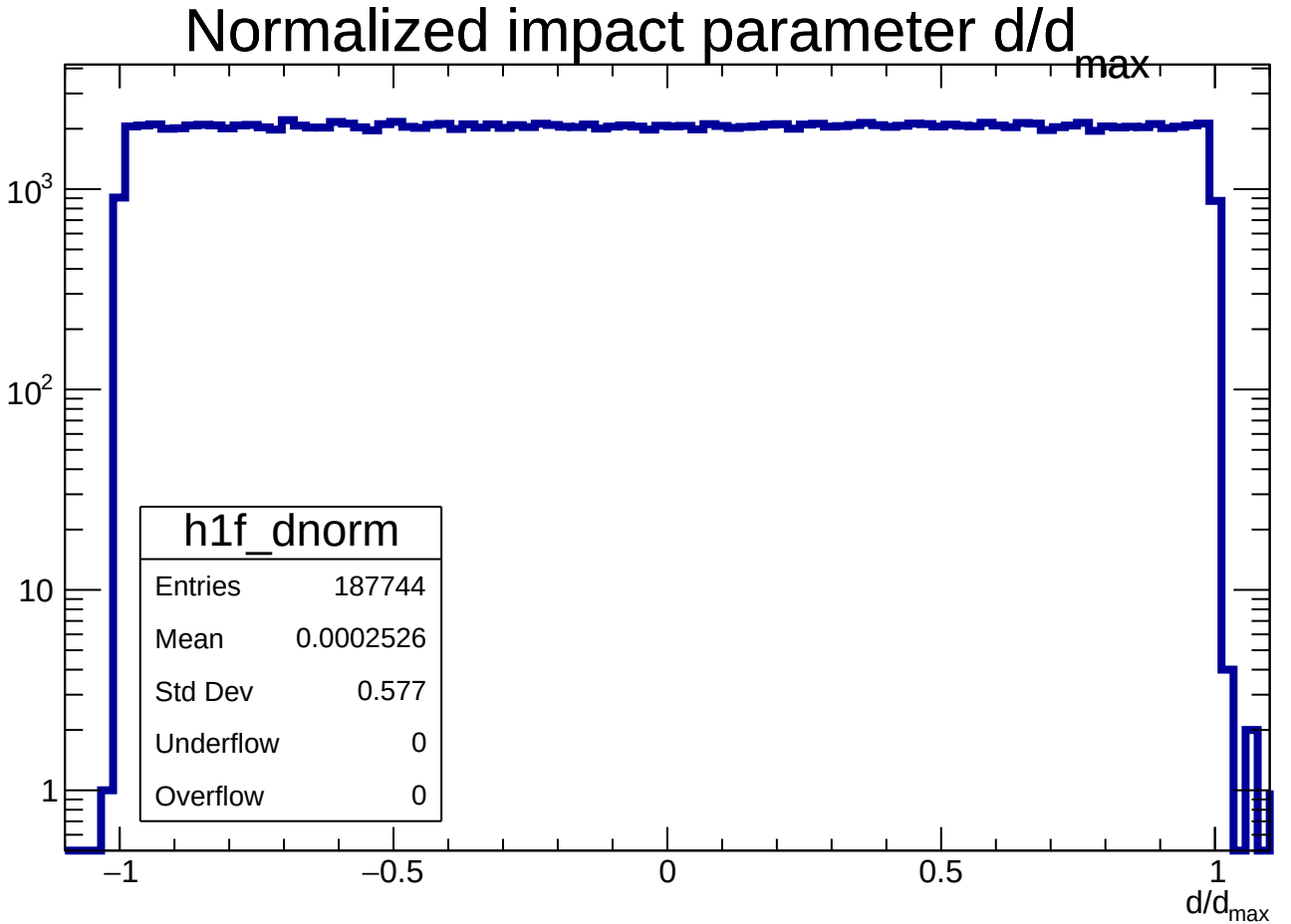

Number of crossed pads
h1f_Ncross
Entries 5289
Mean 34.98
Std Dev 0.8026
Underflow 0
Overflow 0
Count
2500
2000
1500
1000
500
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

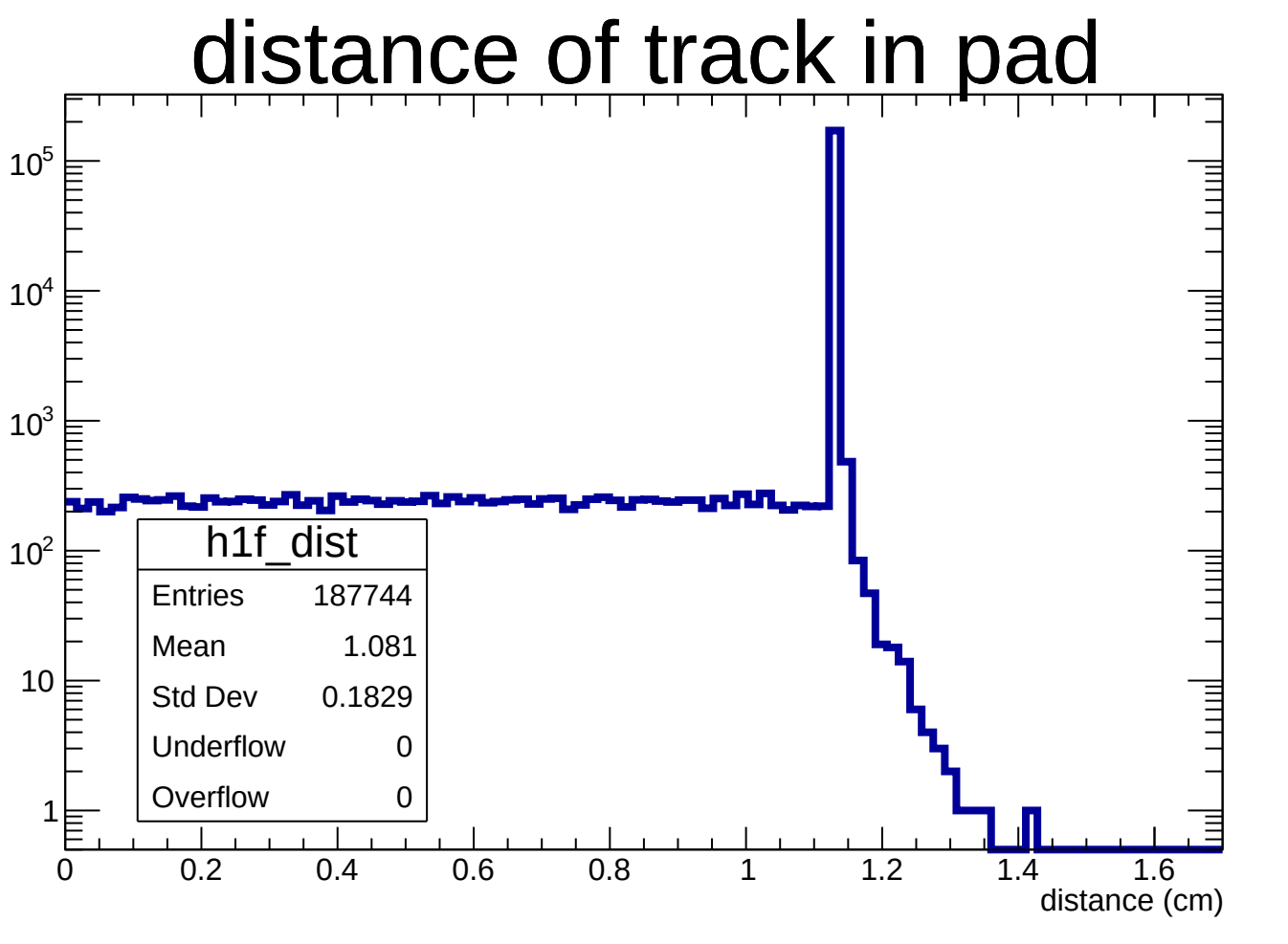

Σ(Q)/Σ(length) - mean{Q/length}
h1f_XPdiff
Entries 5289
Mean 0.04558
Std Dev 6.673
Underflow 0
Overflow 0
Count
1400
1200
1000
800
600
400
200
0
–150
–100
–50
0
50
100
150
difference (ADC count)

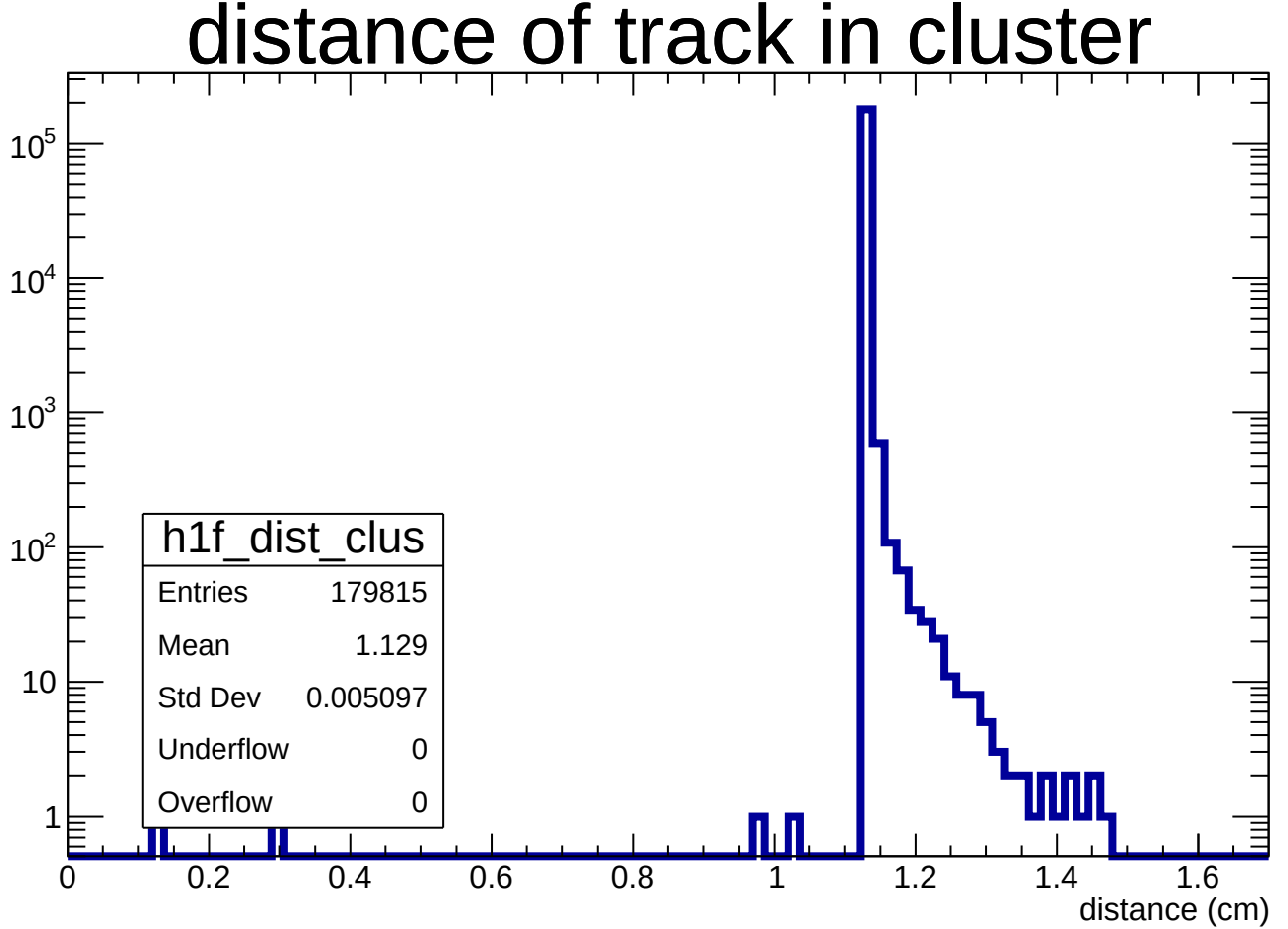

$Z_{file = 150mm} - Z_{computed}$
h1f_zdiff
Entries 184997
Mean 4.352
Std Dev 8.214
Underflow 1
Overflow 0
Count
40000
35000
30000
25000
20000
15000
10000
5000
0
–150
–100
–50
0
50
100
150
difference (mm)

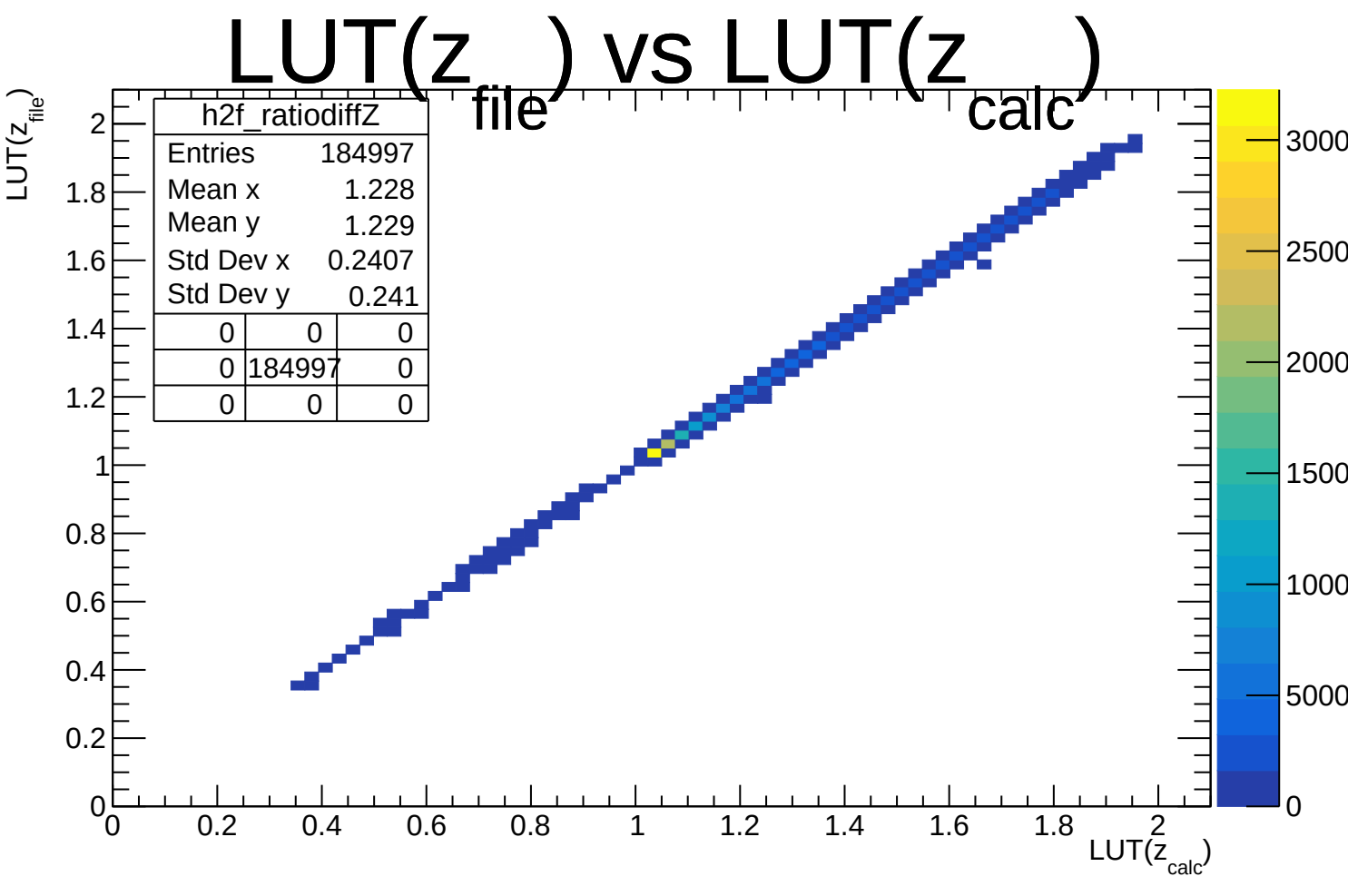

Angle φ in each pad
×10^3
Count
140
120
100
80
60
40
20
0
h1f_angle
Entries 184997
Mean −1.958
Std Dev 1.673
Underflow 0
Overflow 168
−50
−40
−30
−20
−10
0
10
φ (°)

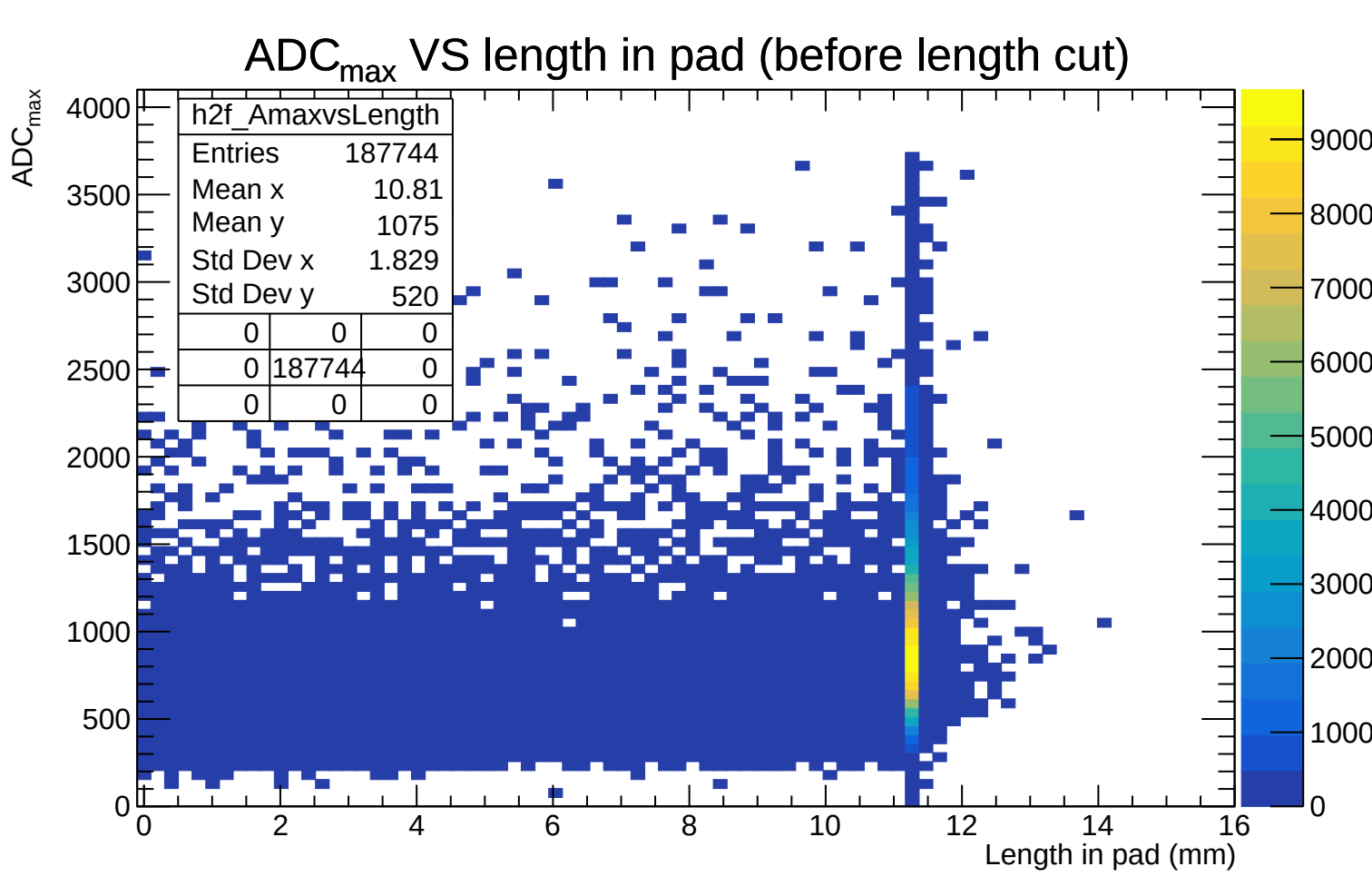

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 187744
Mean 0.9578
Std Dev 0.1621
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L_∩/L_φ

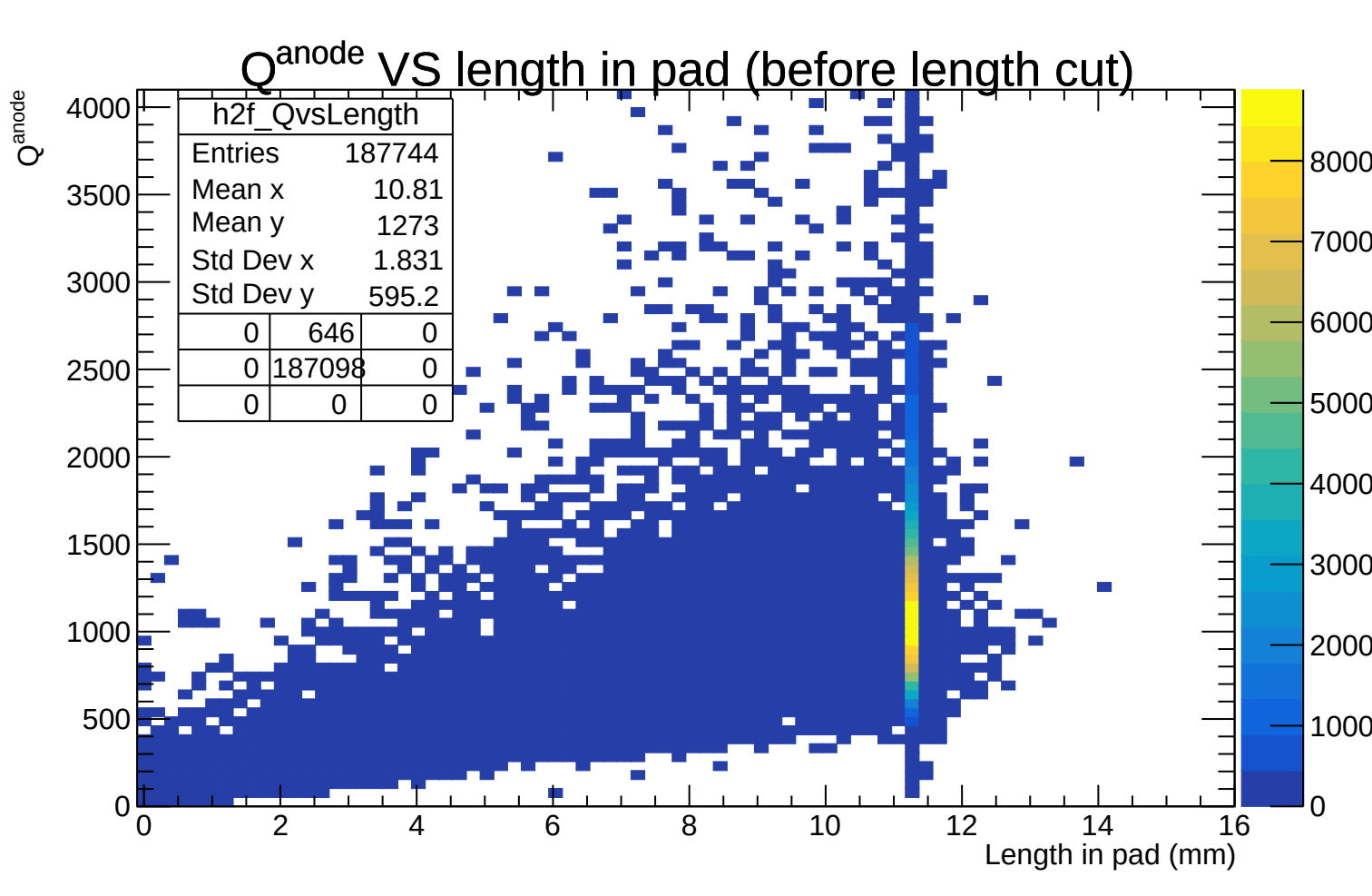

Normalized impact parameter d/d max
10^3
10^2
10
1
h1f_dnorm
Entries 187744
Mean 0.0002526
Std Dev 0.577
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d max

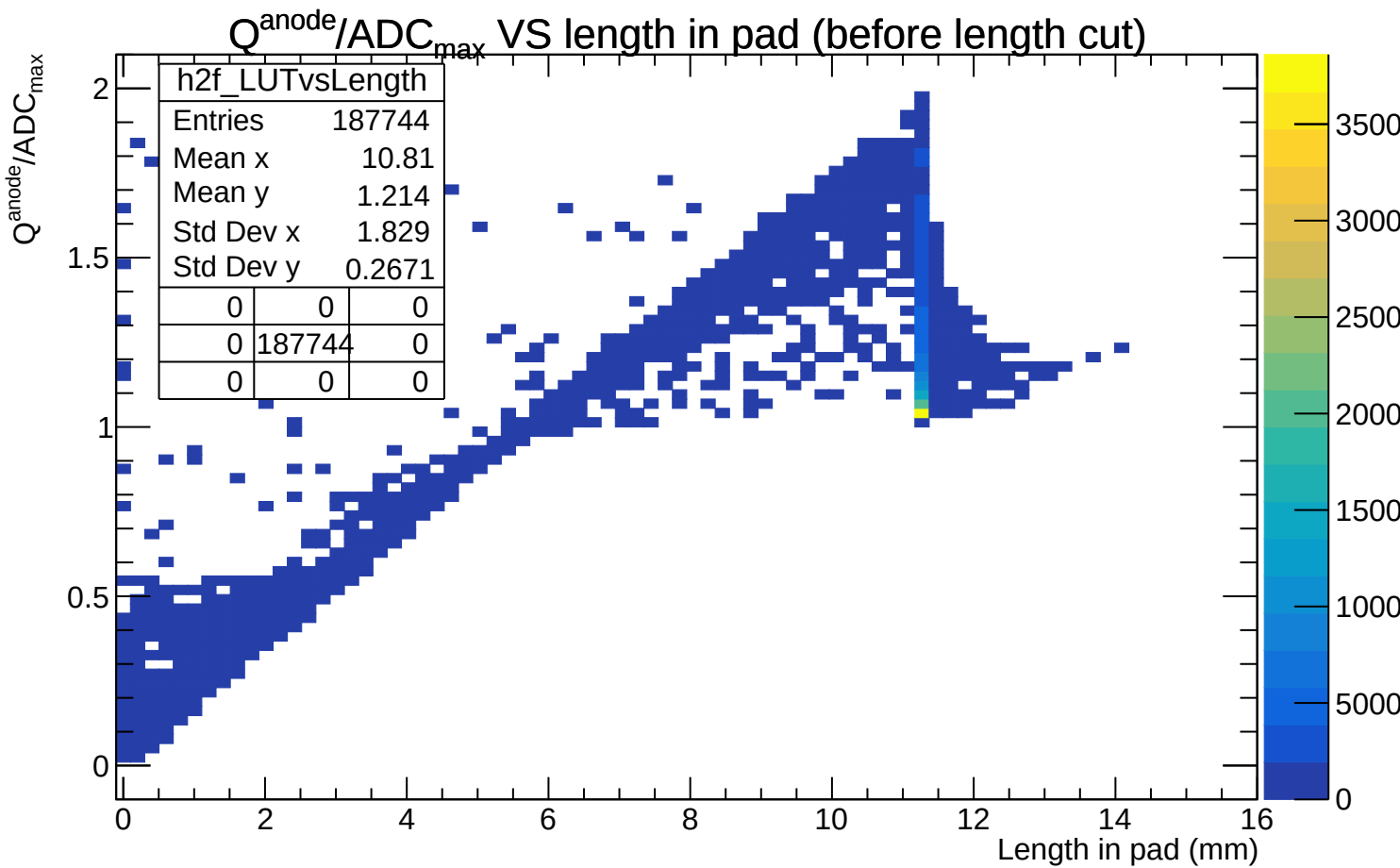

distance of track in pad
h1f_dist
Entries 187744
Mean 1.081
Std Dev 0.1829
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

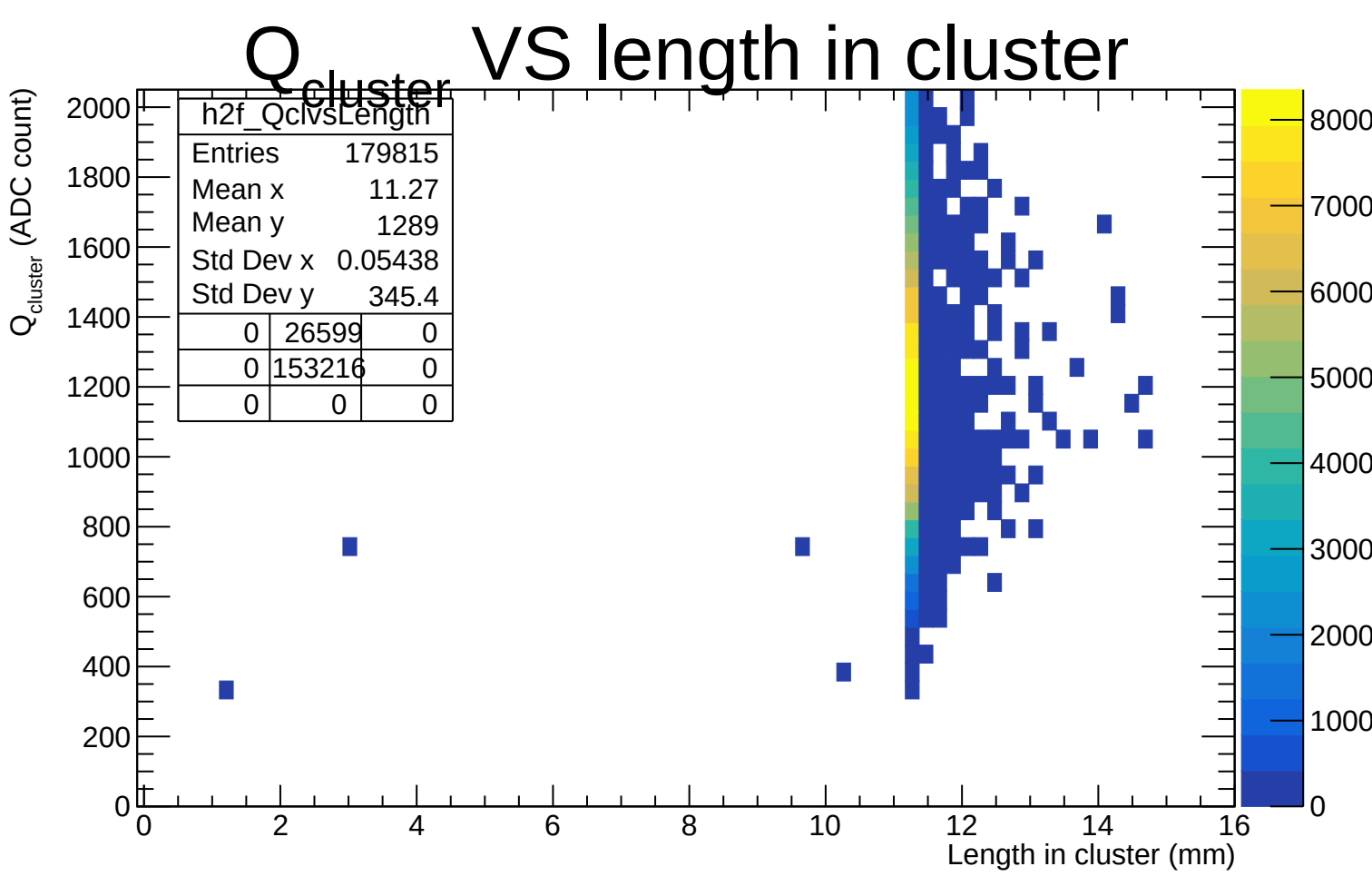

distance of track in cluster
h1f_dist_clus
Entries 179815
Mean 1.129
Std Dev 0.005097
Underflow 0
Overflow 0
distance (cm)

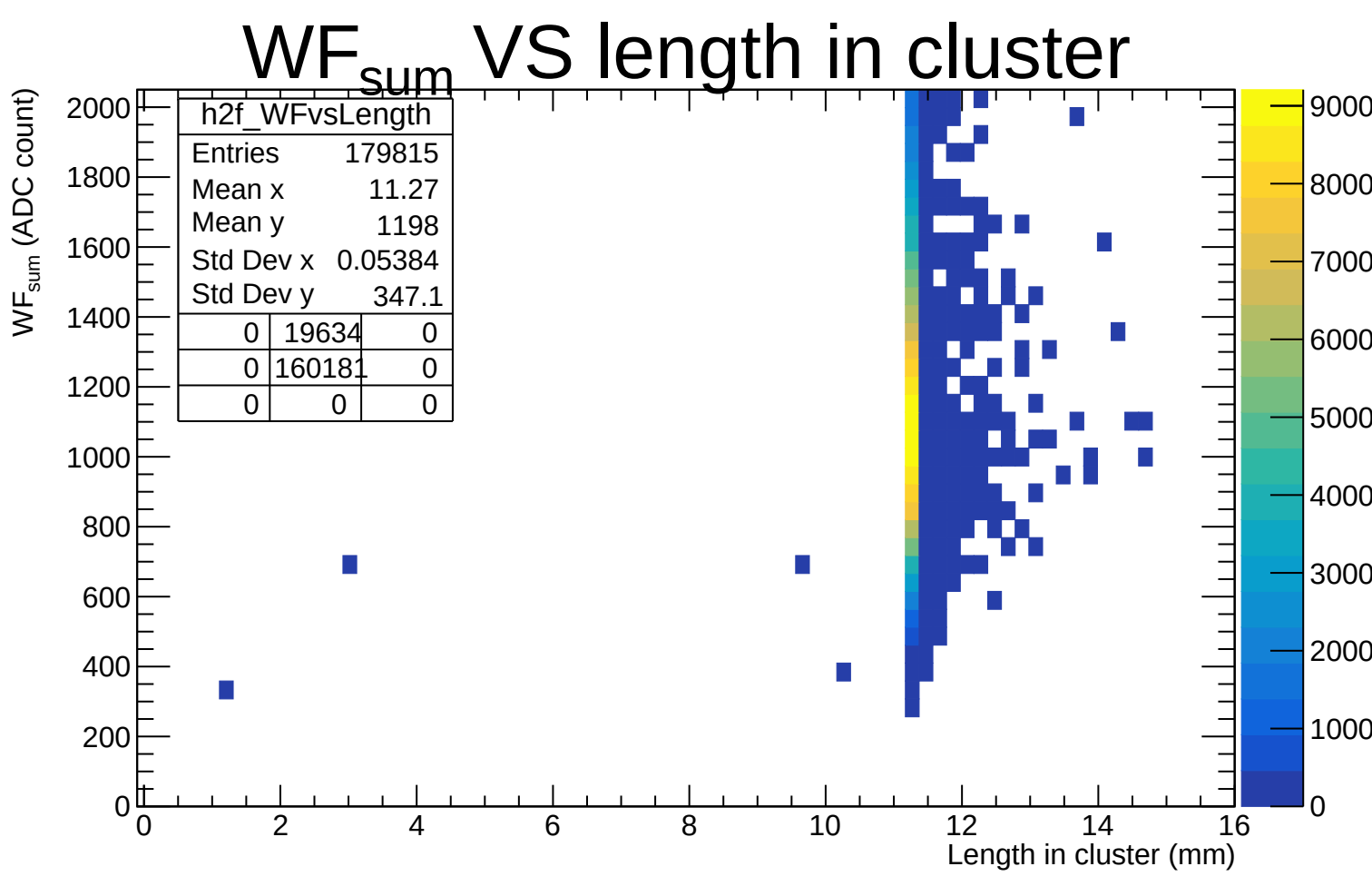

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 184997
Mean x 1.228
Mean y 1.229
Std Dev x 0.2407
Std Dev y 0.241
0 0 0
0 184997 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 500 1000 1500 2000 2500 3000

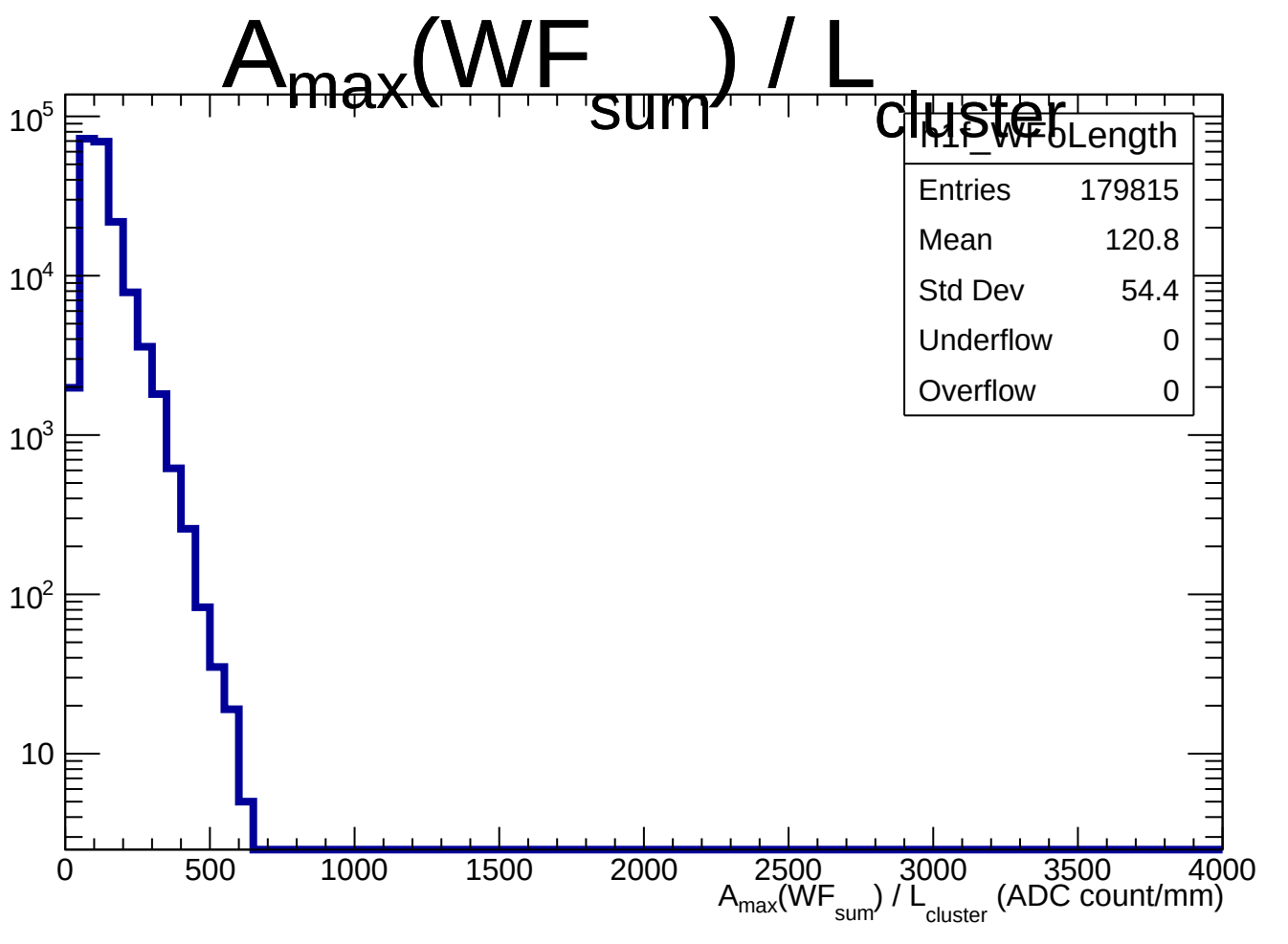

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 187744
Mean x 10.81
Mean y 1075
Std Dev x 1.829
Std Dev y 520
0 0 0
0 187744 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
9000
8000
7000
6000
5000
4000
3000
2000
1000
0

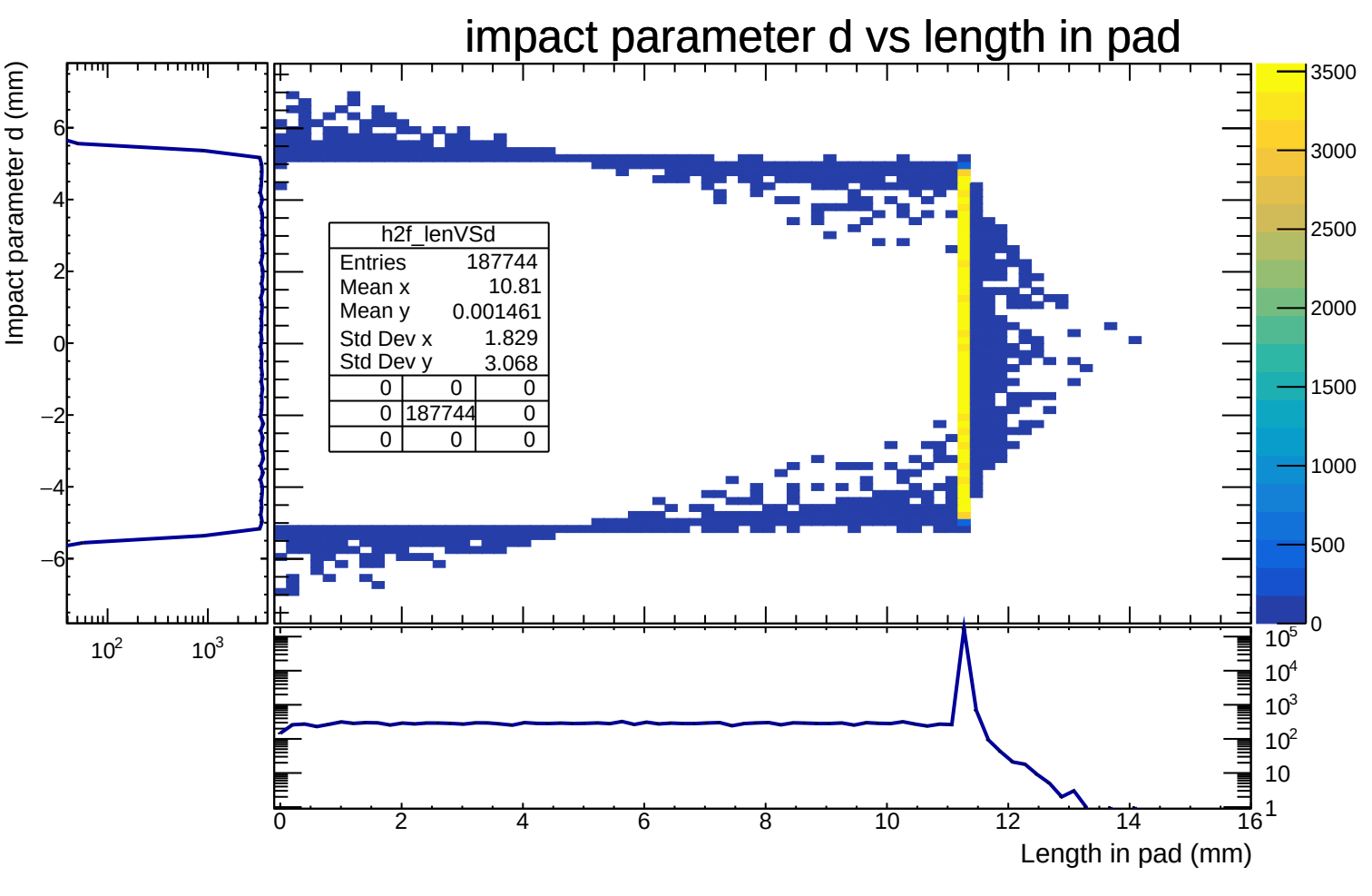

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 187744
Mean x 10.81
Mean y 1273
Std Dev x 1.831
Std Dev y 595.2
0 646 0
0 187098 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
1000
2000
3000
4000
5000
6000
7000
8000


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 187744
Mean x 10.81
Mean y 1.214
Std Dev x 1.829
Std Dev y 0.2671
0 0 0
0 187744 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 179815
Mean x 11.27
Mean y 1289
Std Dev x 0.05438
Std Dev y 345.4
0 26599 0
0 153216 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
0 1000 2000 3000 4000 5000 6000 7000 8000


WF_sum VS length in cluster
h2f_WFvsLength
Entries 179815
Mean x 11.27
Mean y 1198
Std Dev x 0.05384
Std Dev y 347.1
0 19634 0
0 160181 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
1000
2000
3000
4000
5000
6000
7000
8000
9000


$A_{max}(WF_{sum}) / L_{cluster}$
h1_WF0Length
Entries 179815
Mean 120.8
Std Dev 54.4
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
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 187744
Mean x 10.81
Mean y 0.001461
Std Dev x 1.829
Std Dev y 3.068
0 0 0
0 187744 0
0 0 0