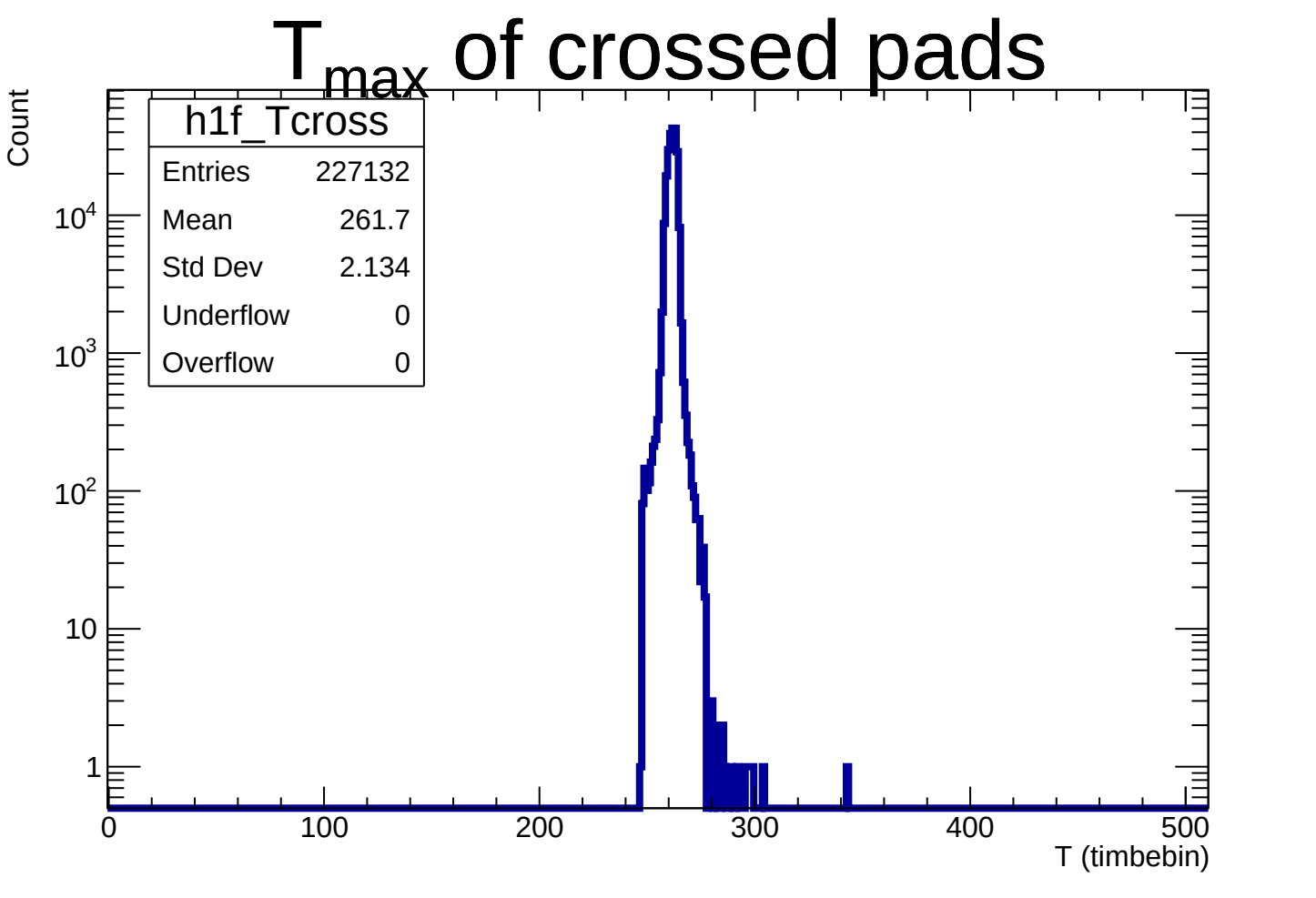
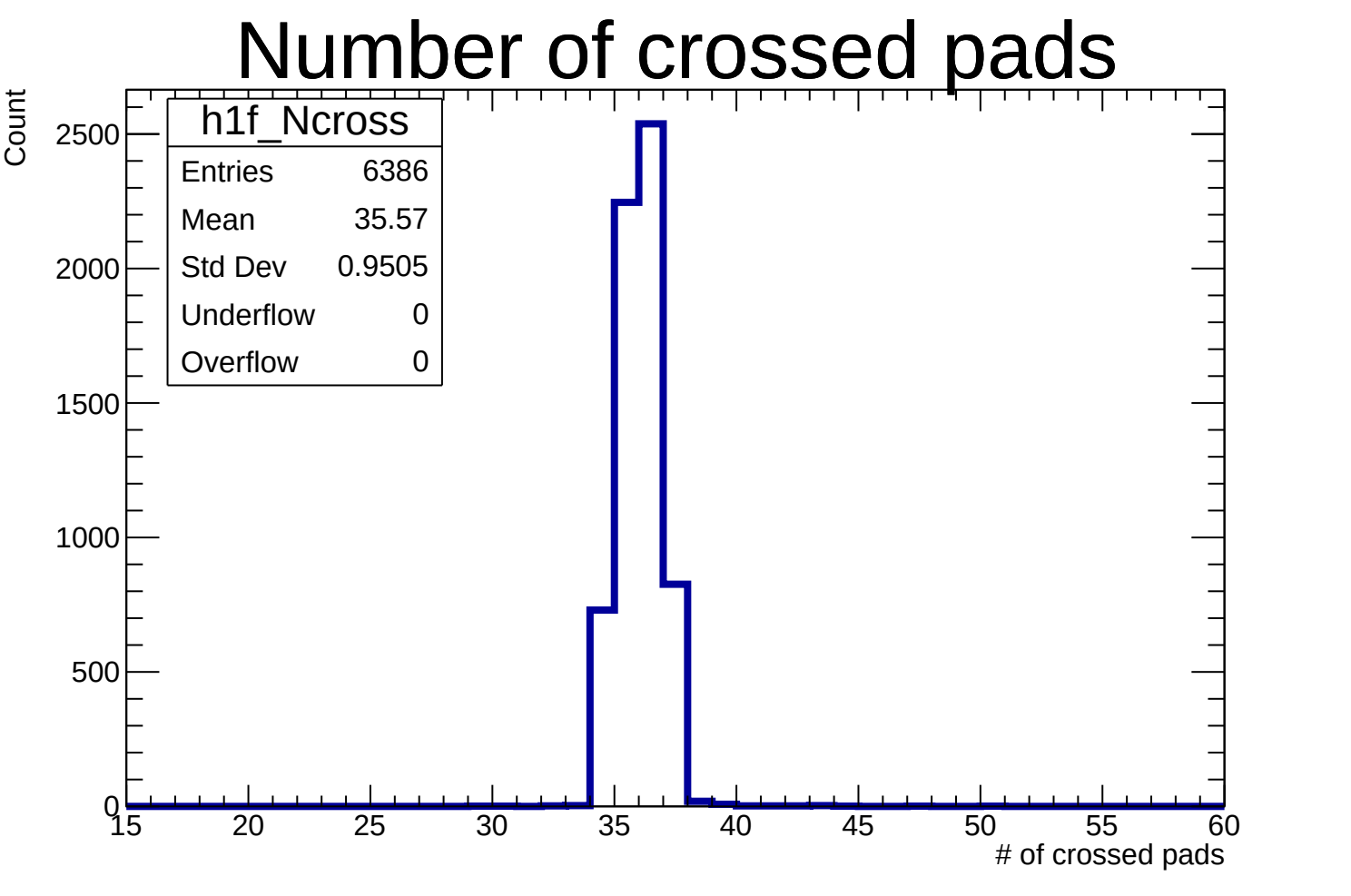
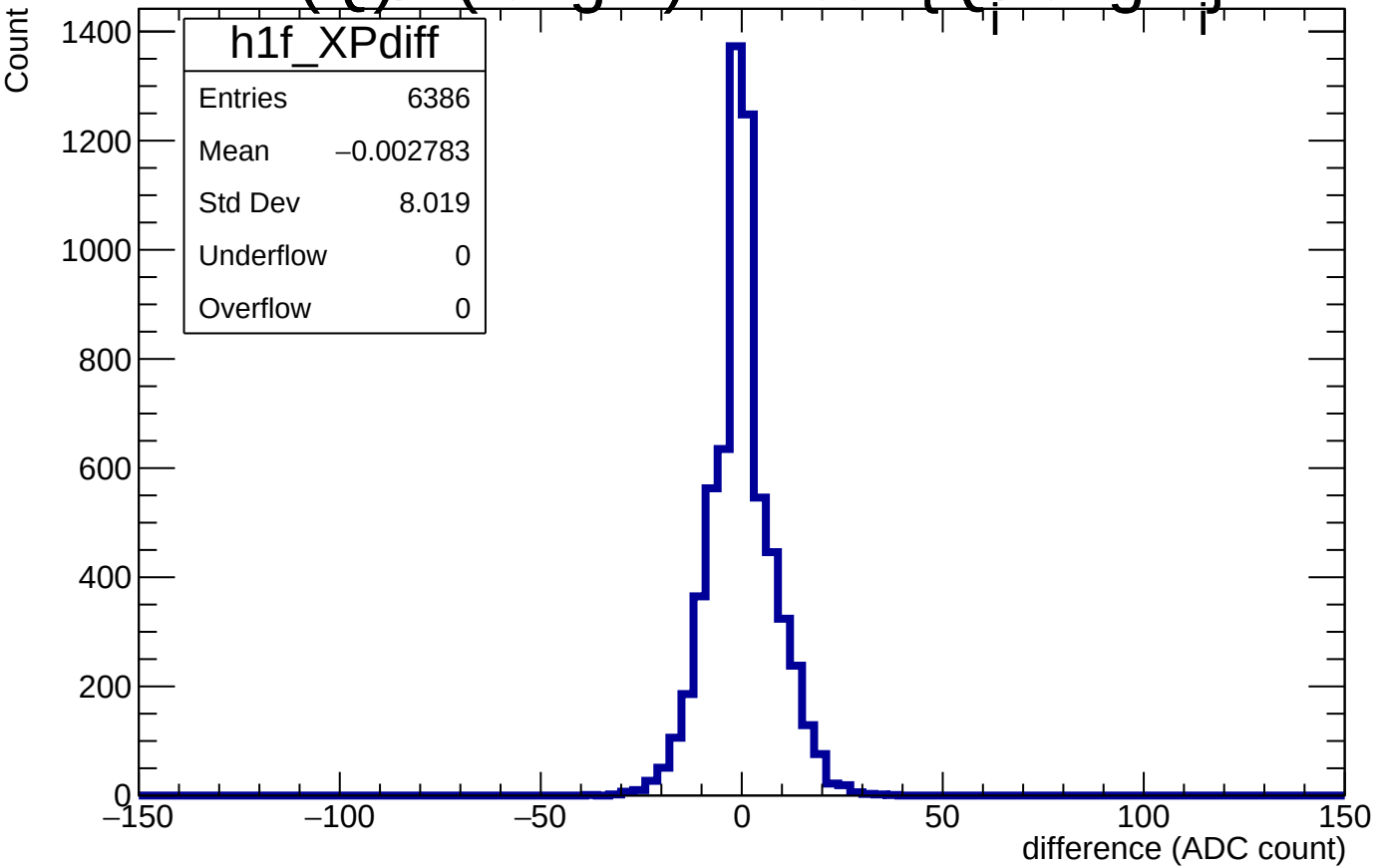
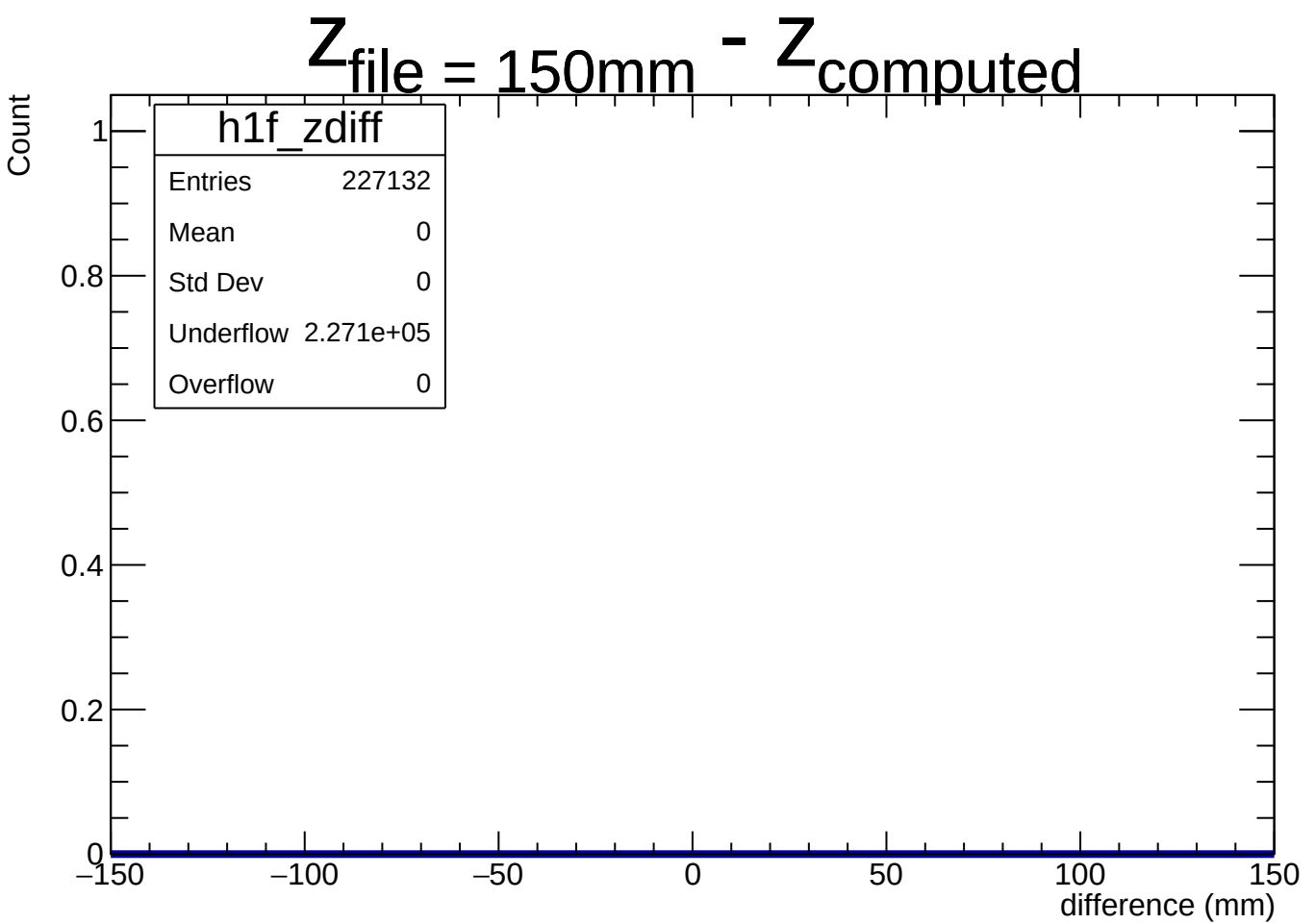
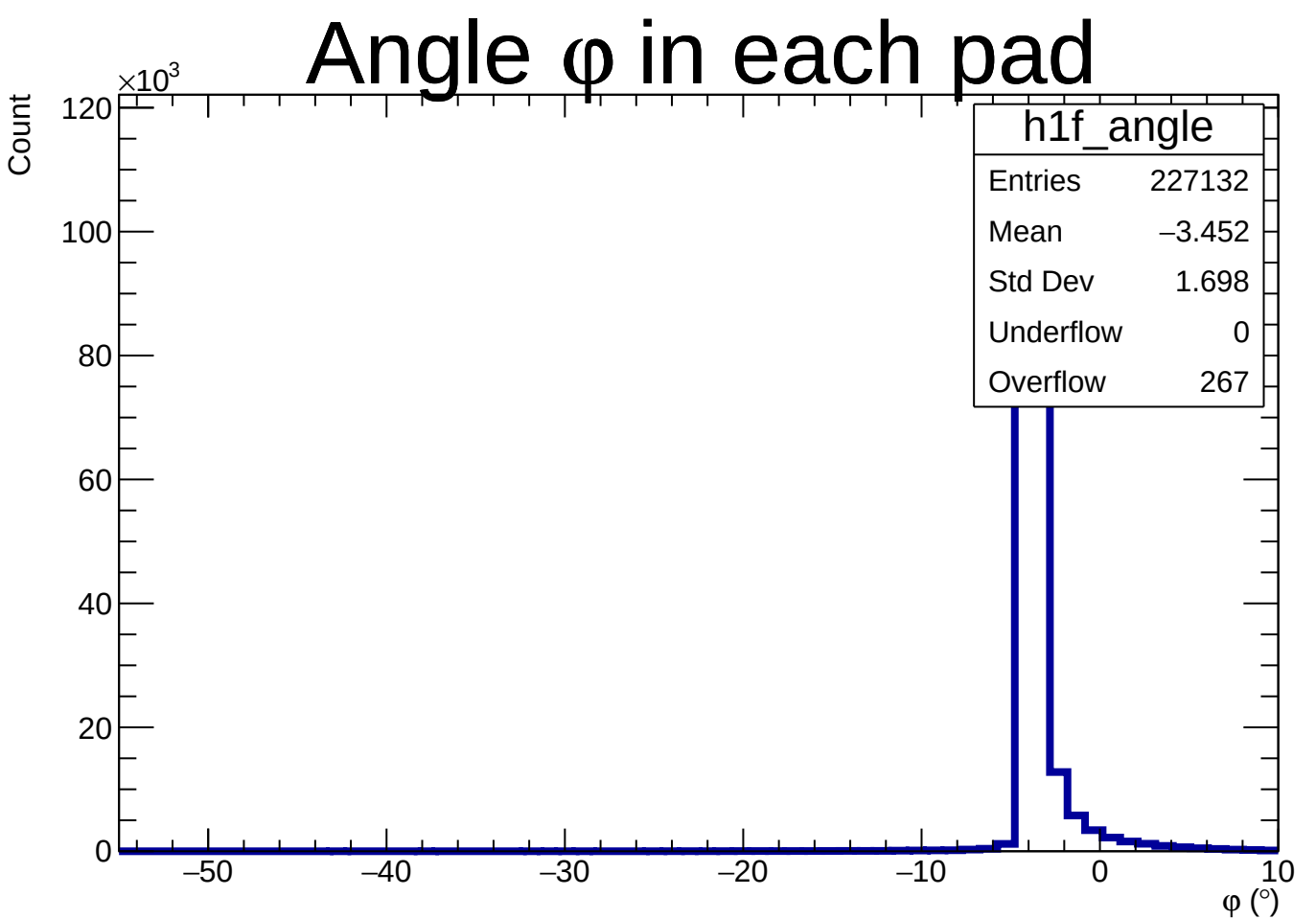
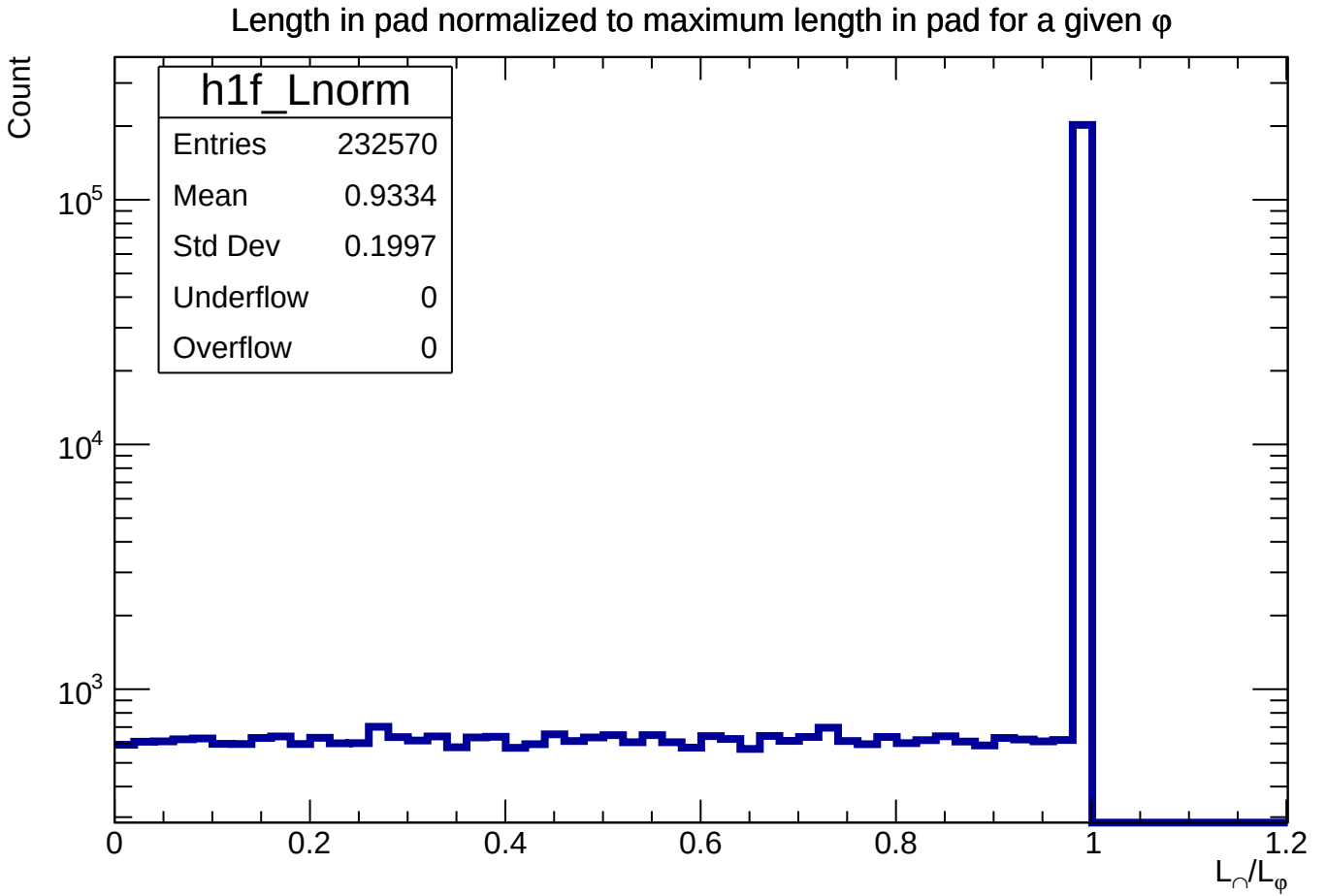

T_max of crossed pads
h1f_Tcross
Entries 227132
Mean 261.7
Std Dev 2.134
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

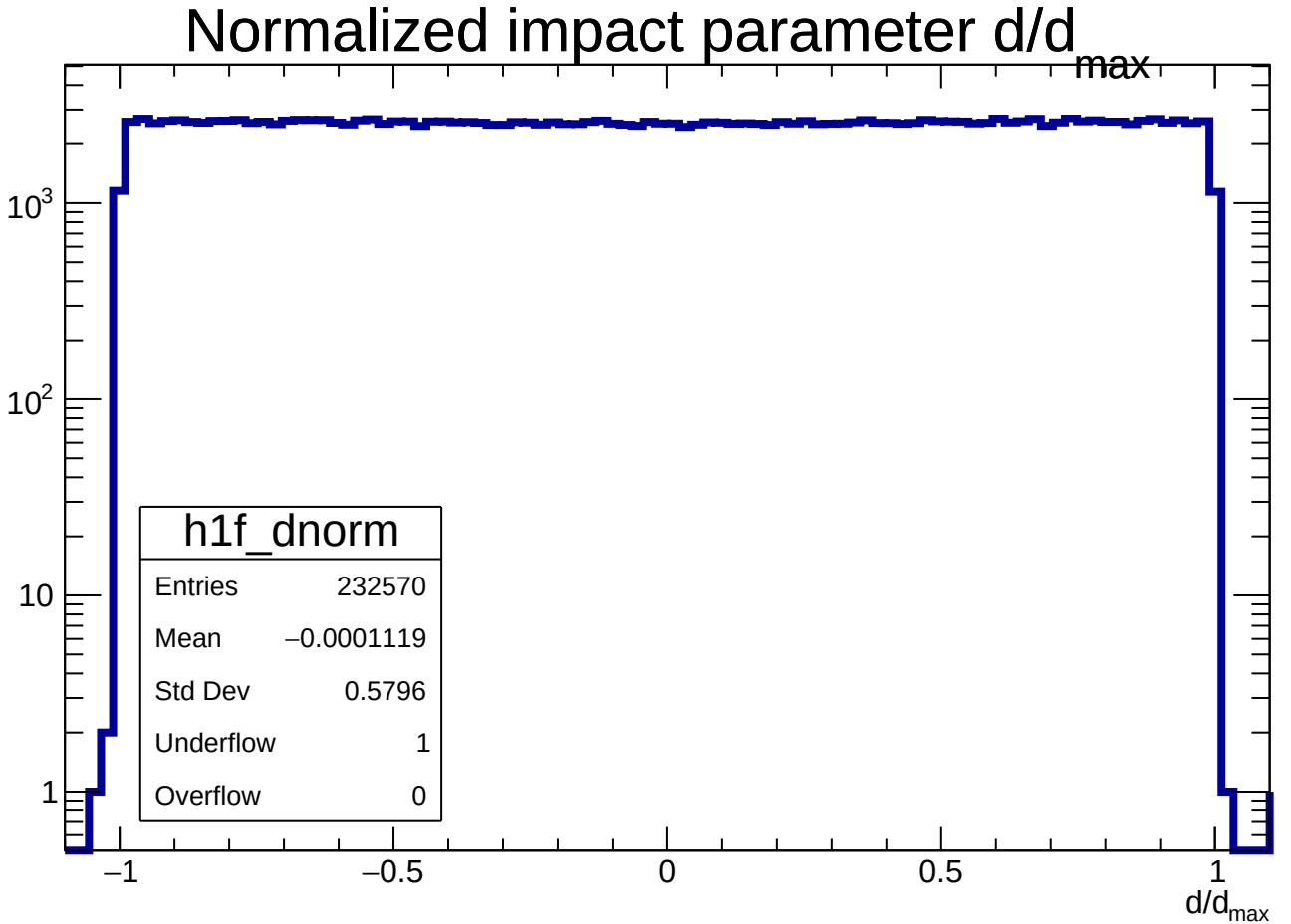

Number of crossed pads
h1f_Ncross
Entries 6386
Mean 35.57
Std Dev 0.9505
Underflow 0
Overflow 0
Count
2500
2000
1500
1000
500
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

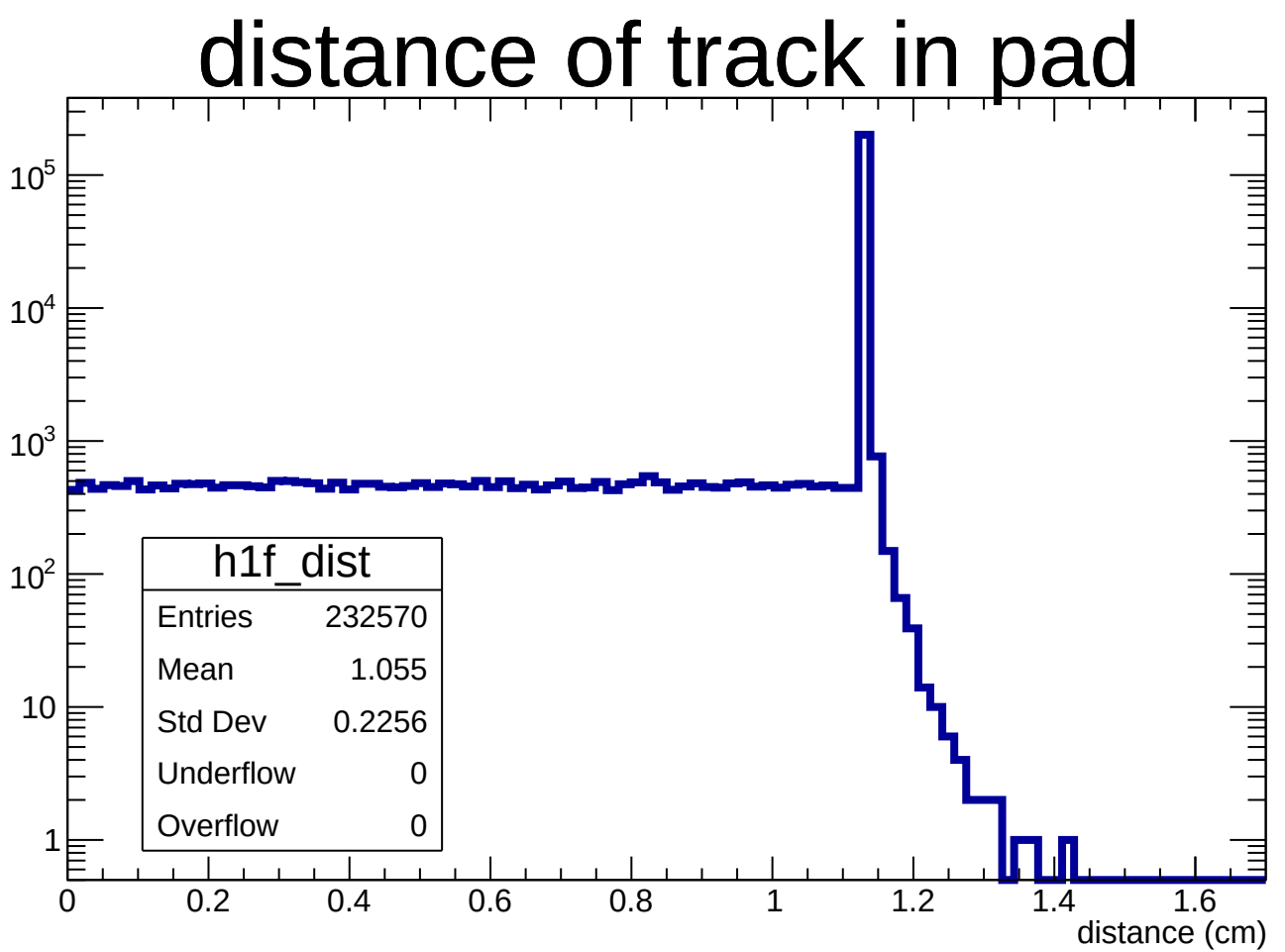

Σ(Q)/Σ(length) - mean{Q/length}
Count
h1f_XPdiff
Entries 6386
Mean −0.002783
Std Dev 8.019
Underflow 0
Overflow 0
1400
1200
1000
800
600
400
200
0
−150
−100
−50
0
50
100
150
difference (ADC count)

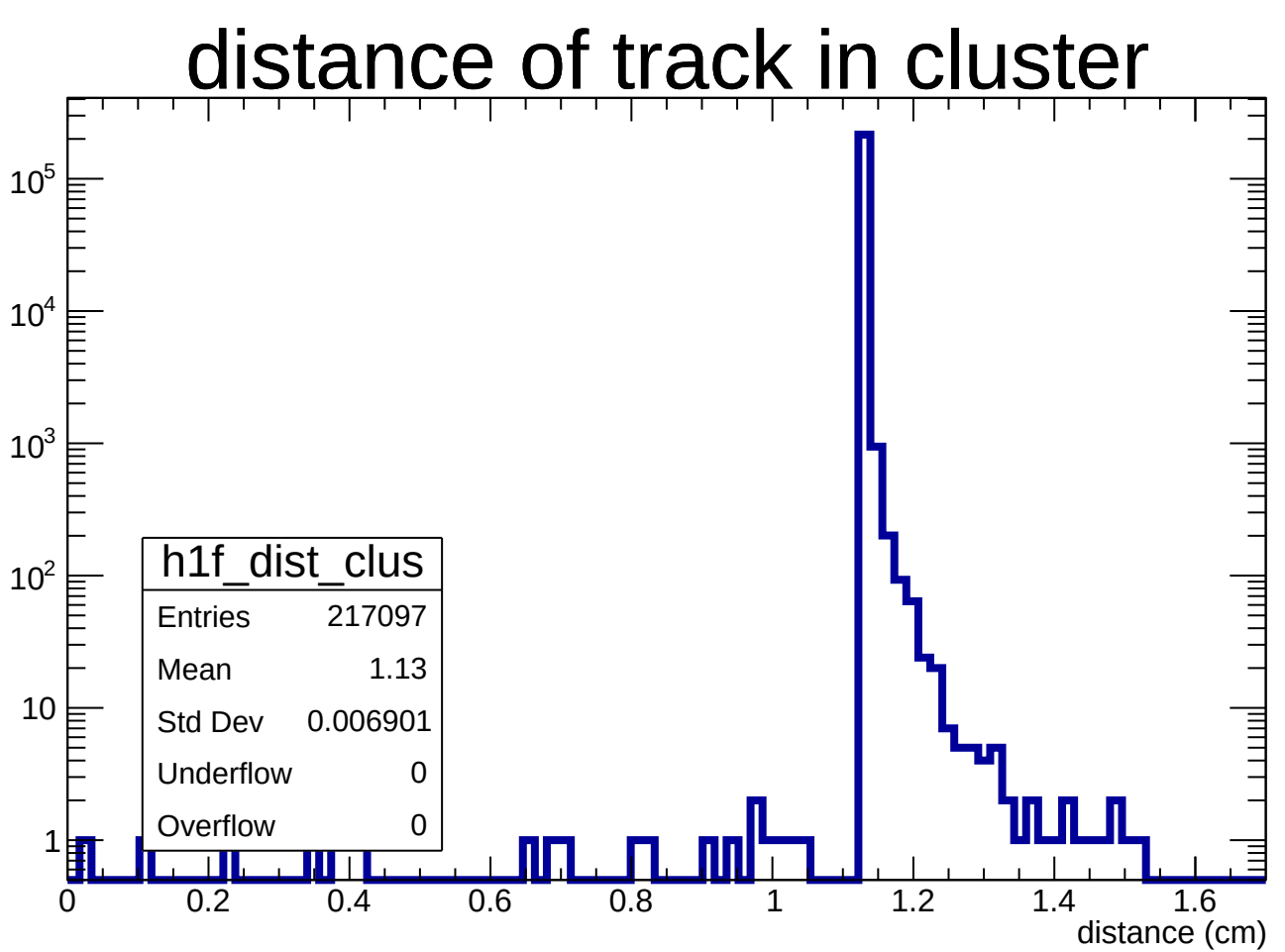

$Z_{file = 150mm} - Z_{computed}$
h1f_zdiff
Entries 227132
Mean 0
Std Dev 0
Underflow 2.271e+05
Overflow 0
Count
1
0.8
0.6
0.4
0.2
0
–150
–100
–50
0
50
100
150
difference (mm)

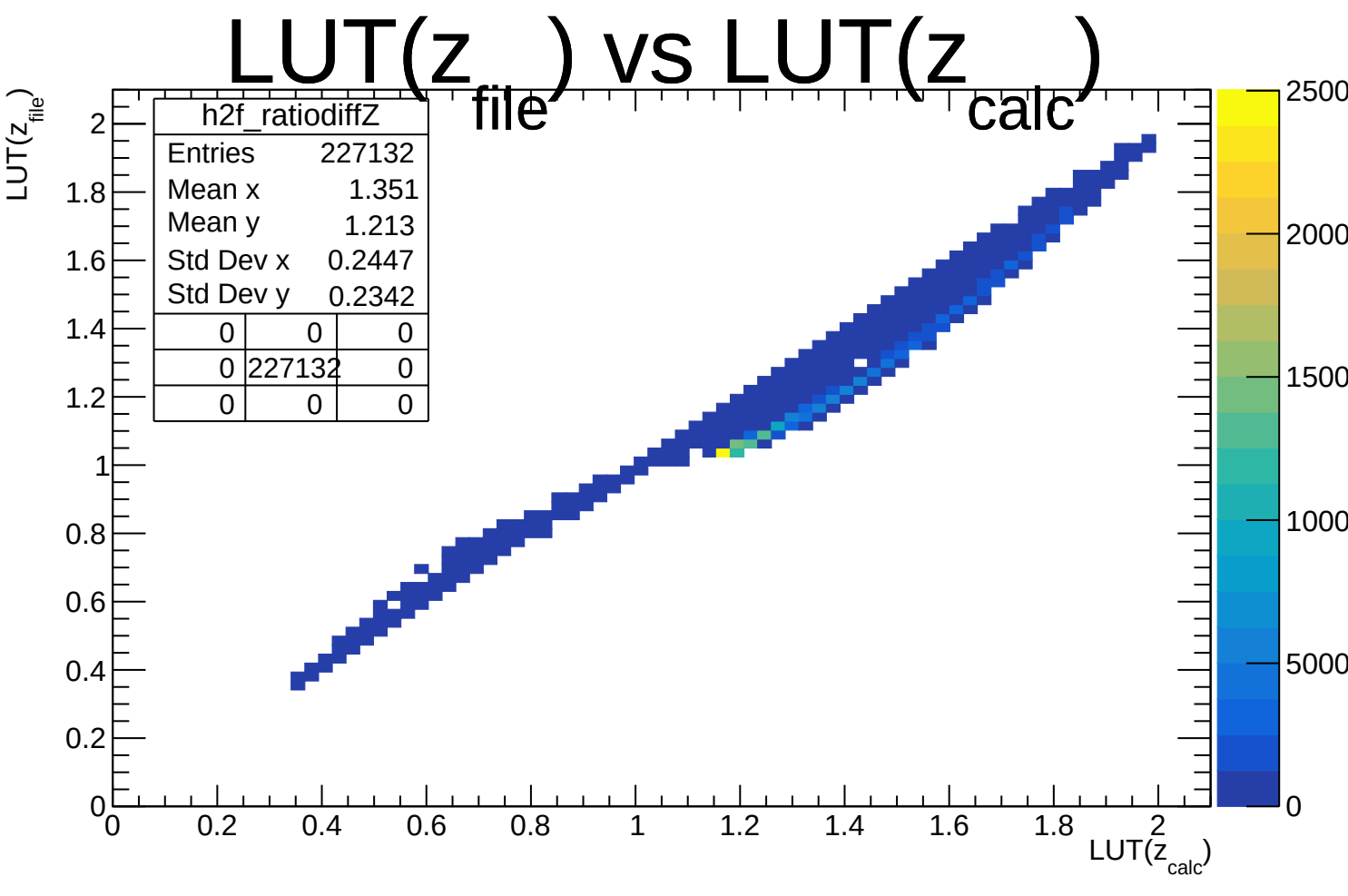

Angle φ in each pad
×10^3
Count
120
100
80
60
40
20
0
h1f_angle
Entries 227132
Mean −3.452
Std Dev 1.698
Underflow 0
Overflow 267
−50
−40
−30
−20
−10
0
10
φ (°)

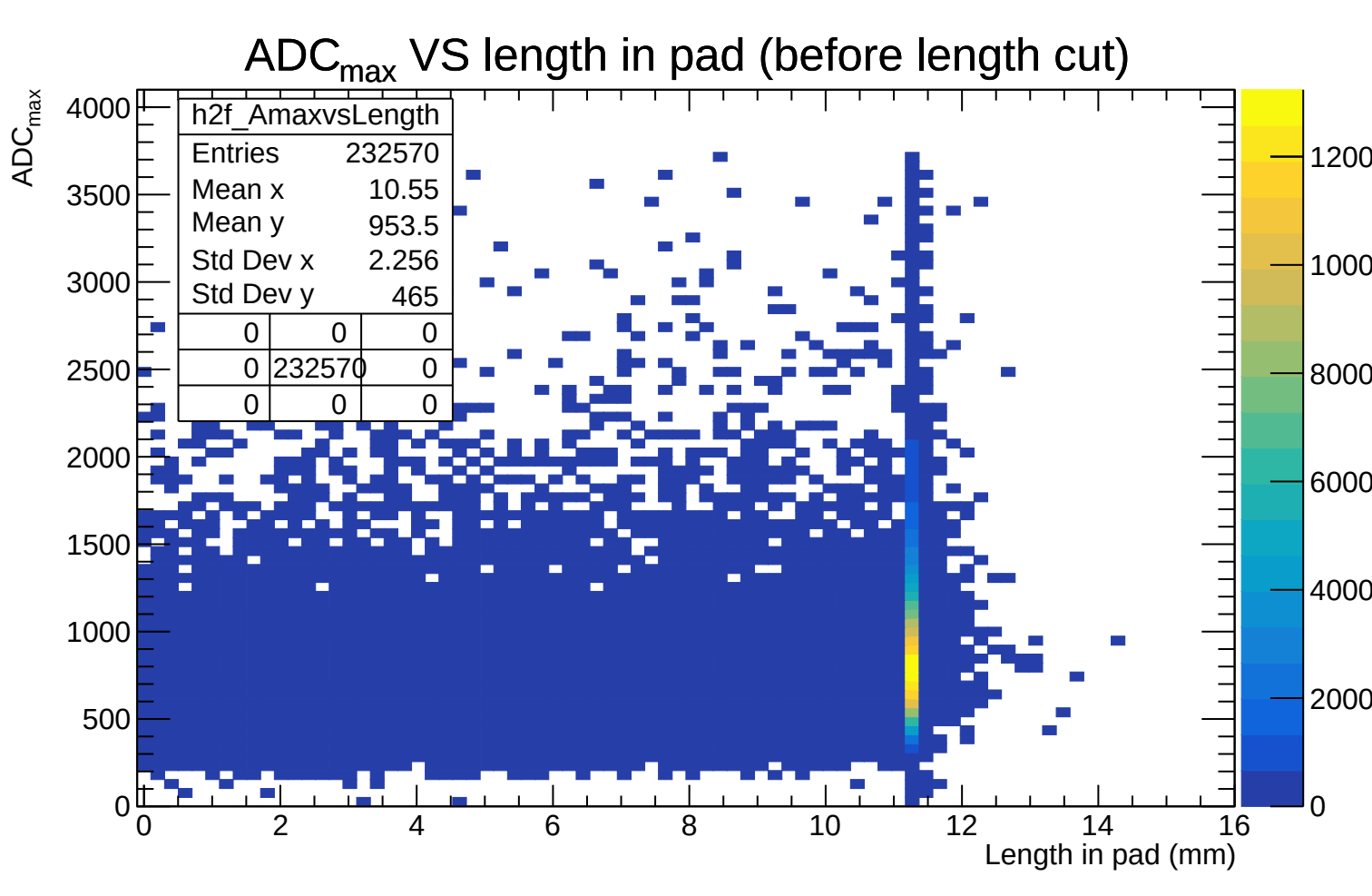

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 232570
Mean 0.9334
Std Dev 0.1997
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L_○/L_φ

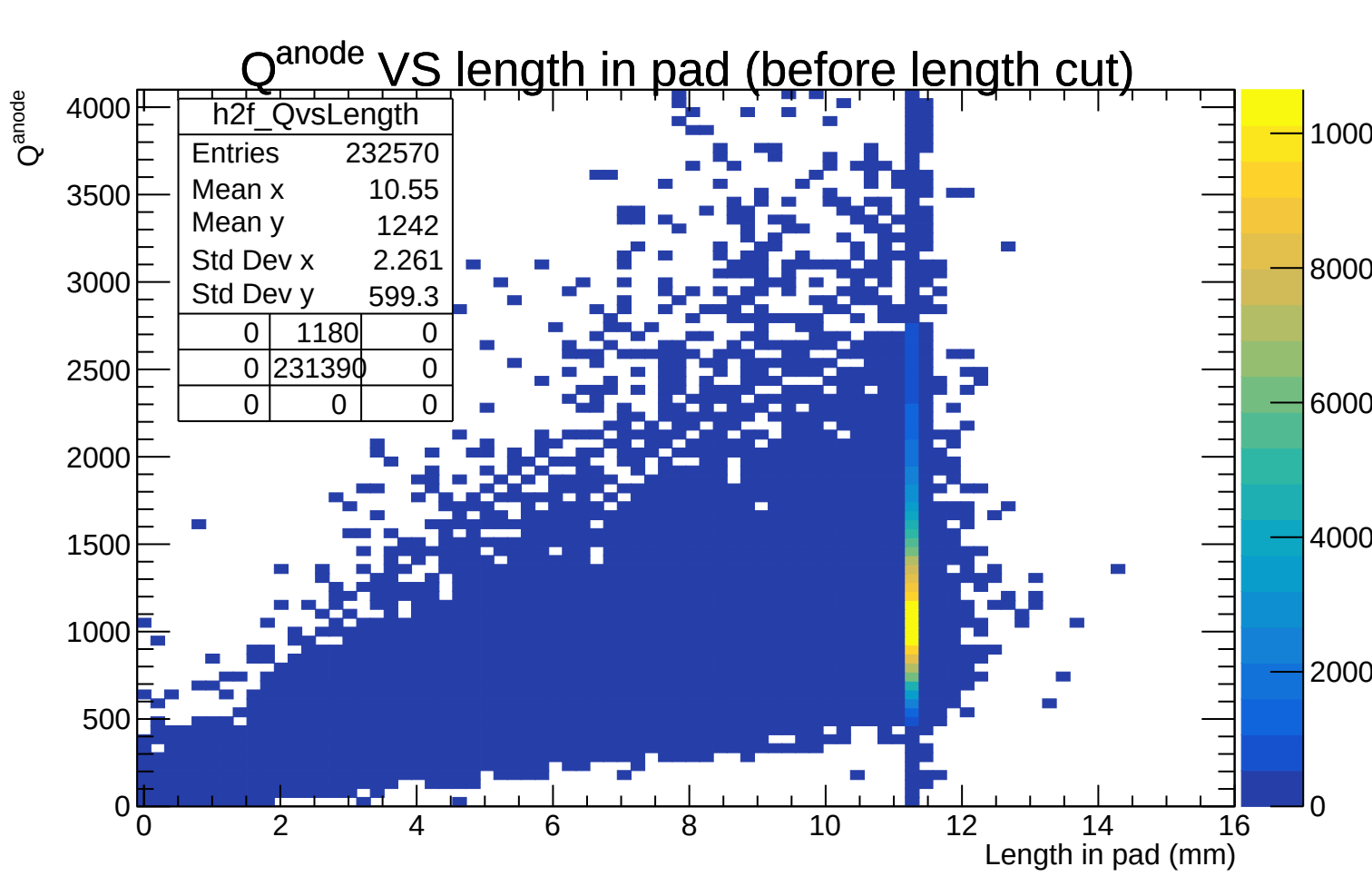

Normalized impact parameter d/d max
10^3
10^2
10
1
h1f_dnorm
Entries 232570
Mean −0.0001119
Std Dev 0.5796
Underflow 1
Overflow 0
−1
−0.5
0
0.5
1
d/d max

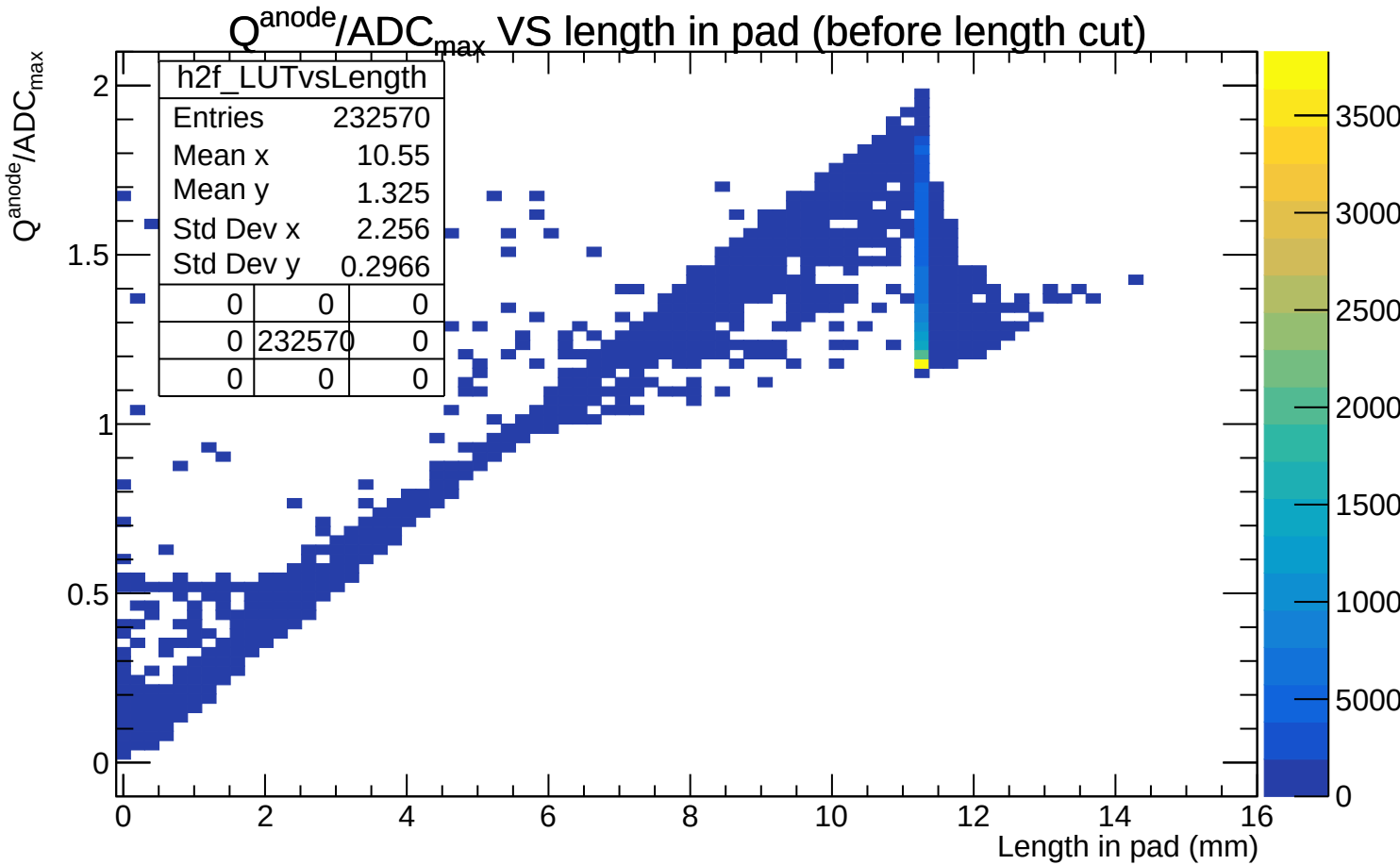

distance of track in pad
h1f_dist
Entries 232570
Mean 1.055
Std Dev 0.2256
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

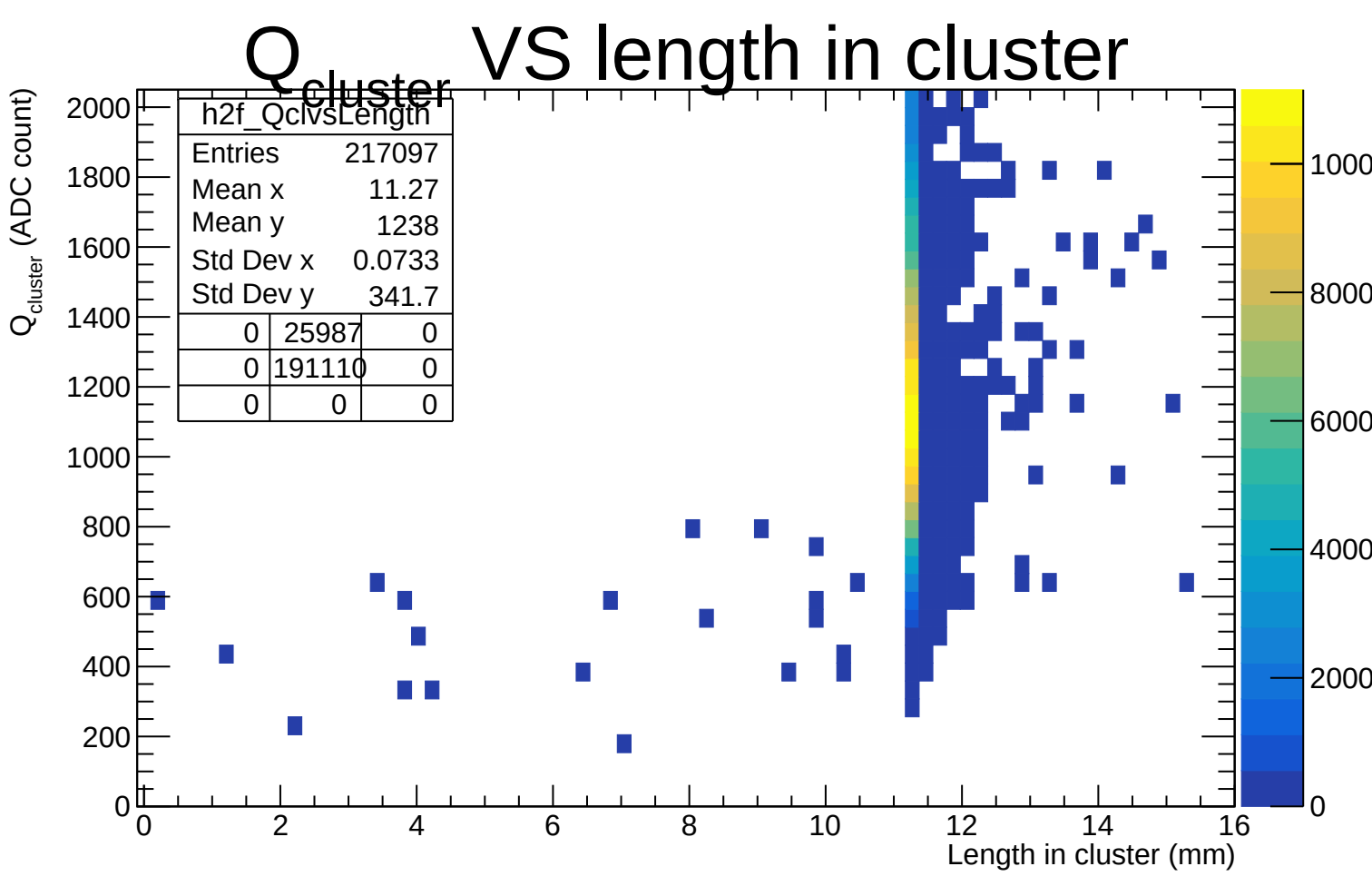

distance of track in cluster
h1f_dist_clus
Entries 217097
Mean 1.13
Std Dev 0.006901
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

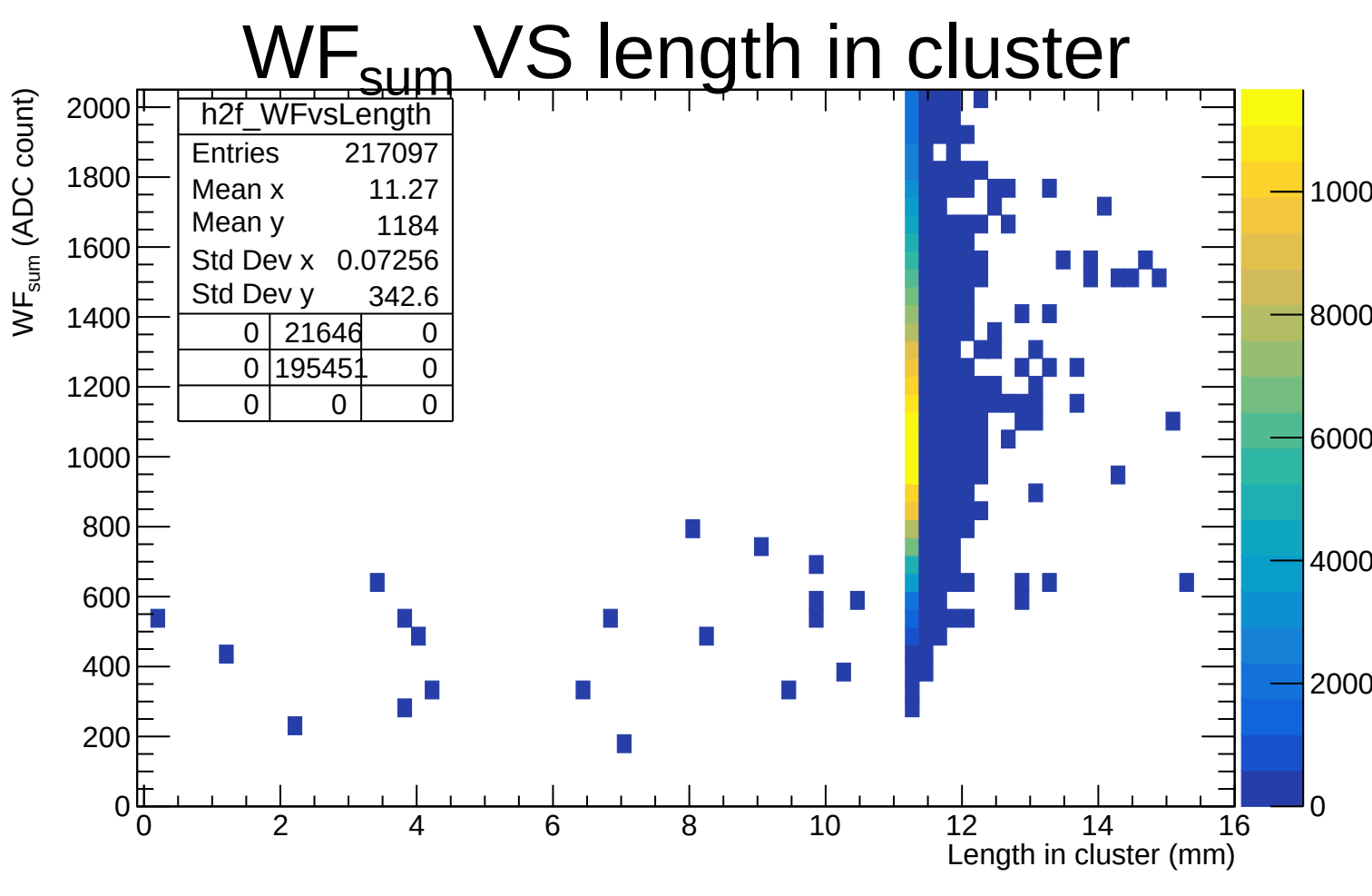

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 227132
Mean x 1.351
Mean y 1.213
Std Dev x 0.2447
Std Dev y 0.2342
0 0 0
0 227132 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 500 1000 1500 2000 2500

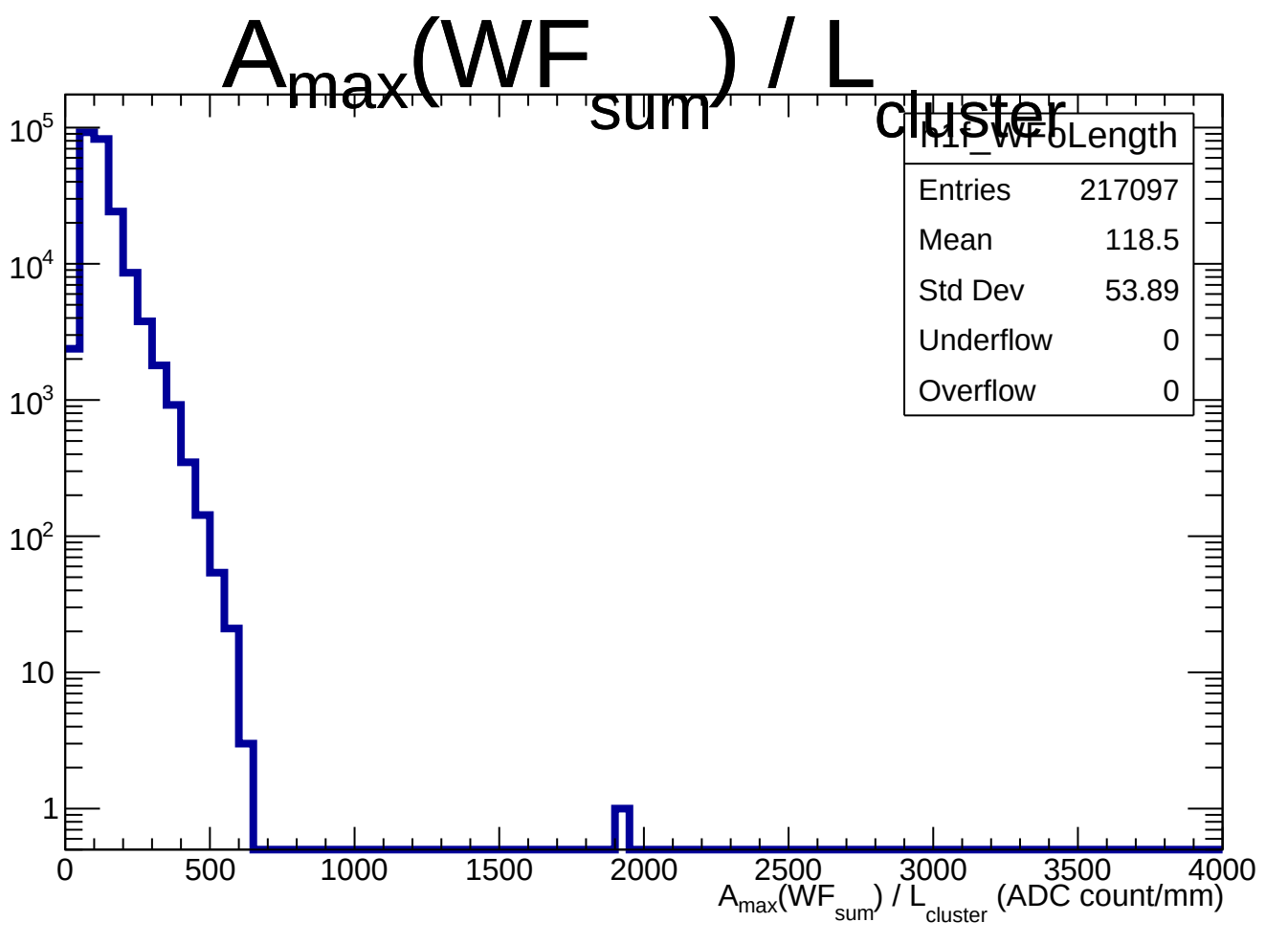

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 232570
Mean x 10.55
Mean y 953.5
Std Dev x 2.256
Std Dev y 465
0 0 0
0 232570 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200

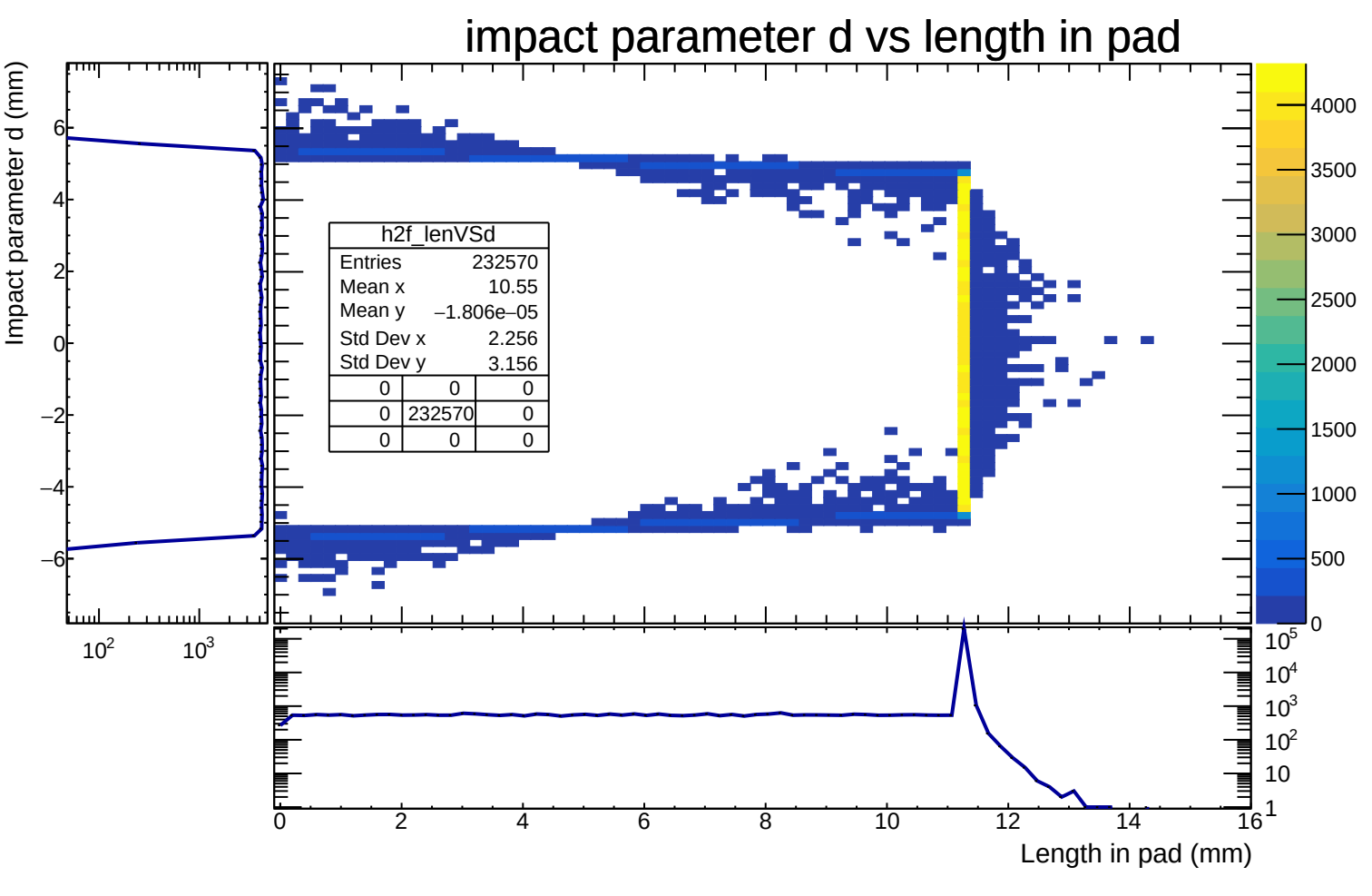

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 232570
Mean x 10.55
Mean y 1242
Std Dev x 2.261
Std Dev y 599.3
0 1180 0
0 231390 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 232570
Mean x 10.55
Mean y 1.325
Std Dev x 2.256
Std Dev y 0.2966
0 0 0
0 232570 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 217097
Mean x 11.27
Mean y 1238
Std Dev x 0.0733
Std Dev y 341.7
0 25987 0
0 191110 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 217097
Mean x 11.27
Mean y 1184
Std Dev x 0.07256
Std Dev y 342.6
0 21646 0
0 195451 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


$A_{max}(WF_{sum}) / L_{cluster}$
h1_WF0Length
Entries 217097
Mean 118.5
Std Dev 53.89
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)
h2f_lenVSd
Entries 232570
Mean x 10.55
Mean y −1.806e−05
Std Dev x 2.256
Std Dev y 3.156
0 0 0
0 232570 0
0 0 0
Length in pad (mm)