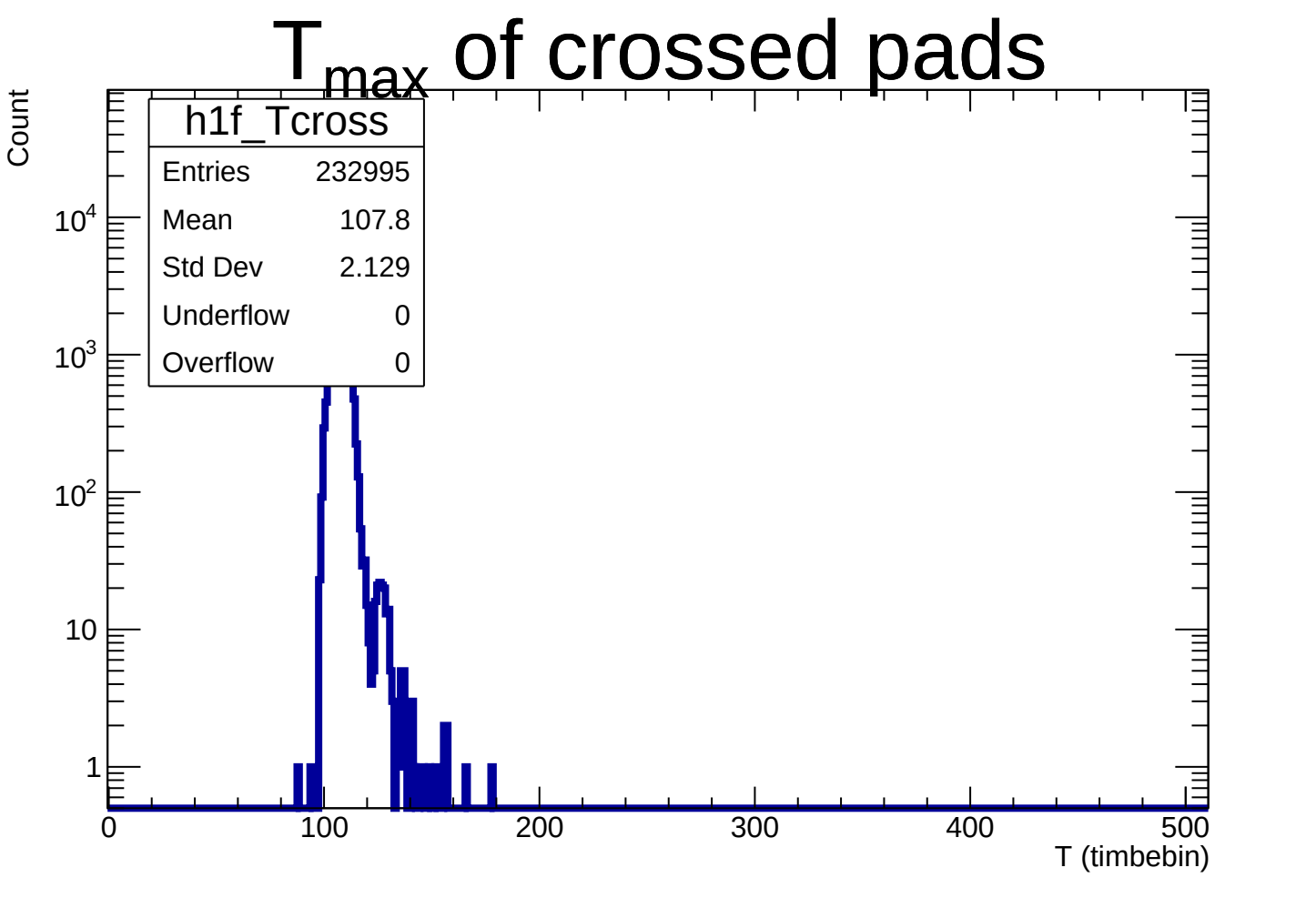
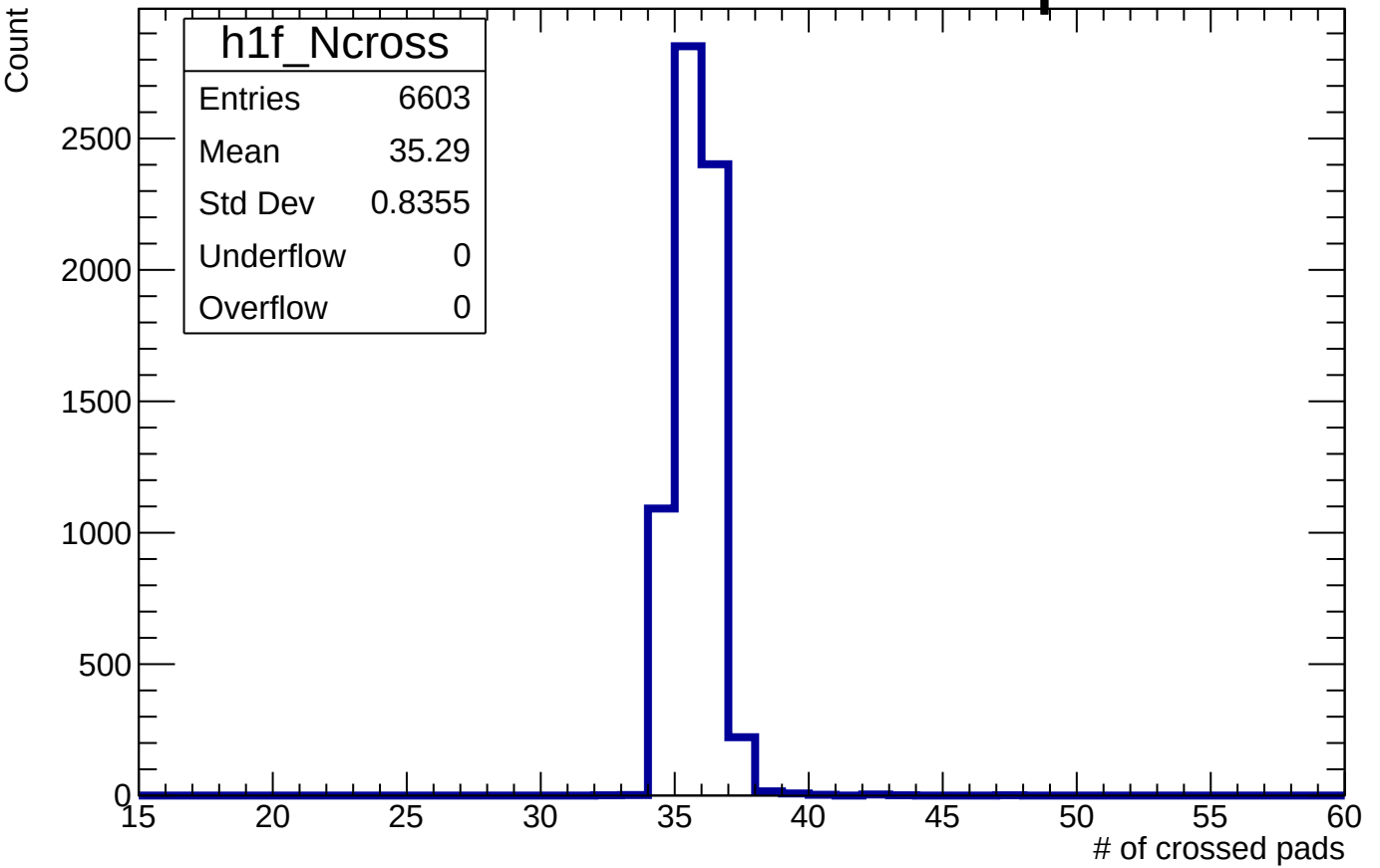
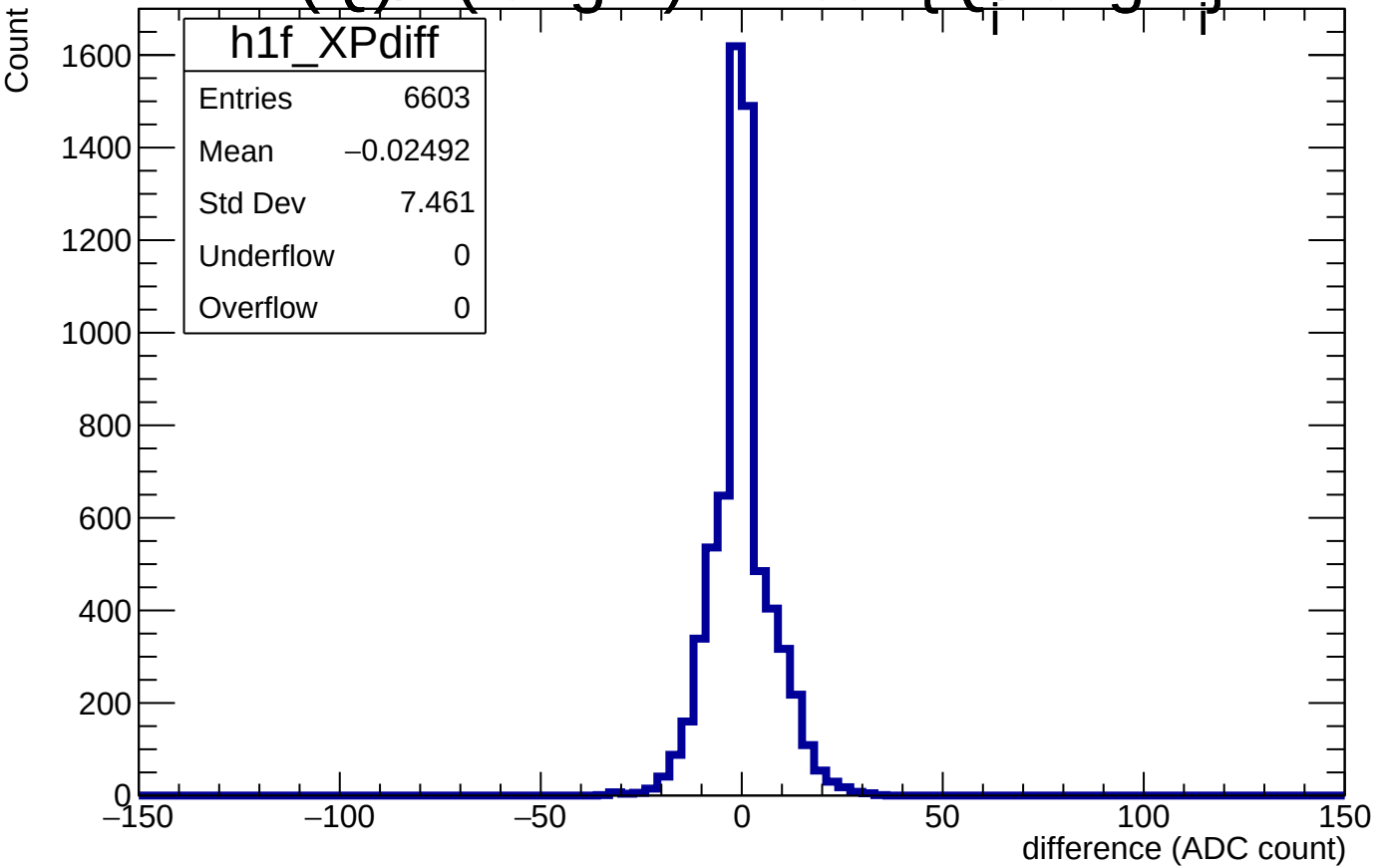
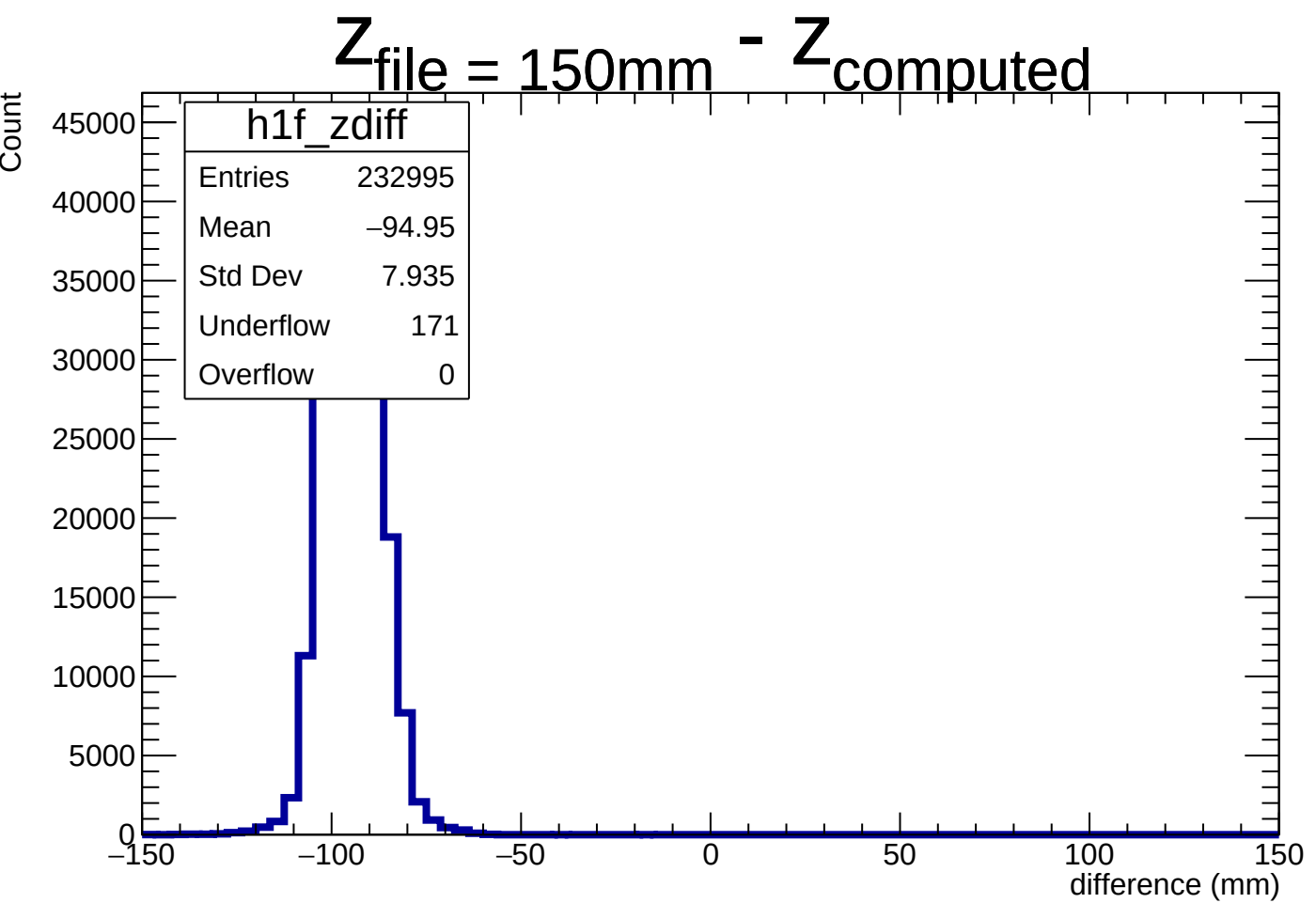
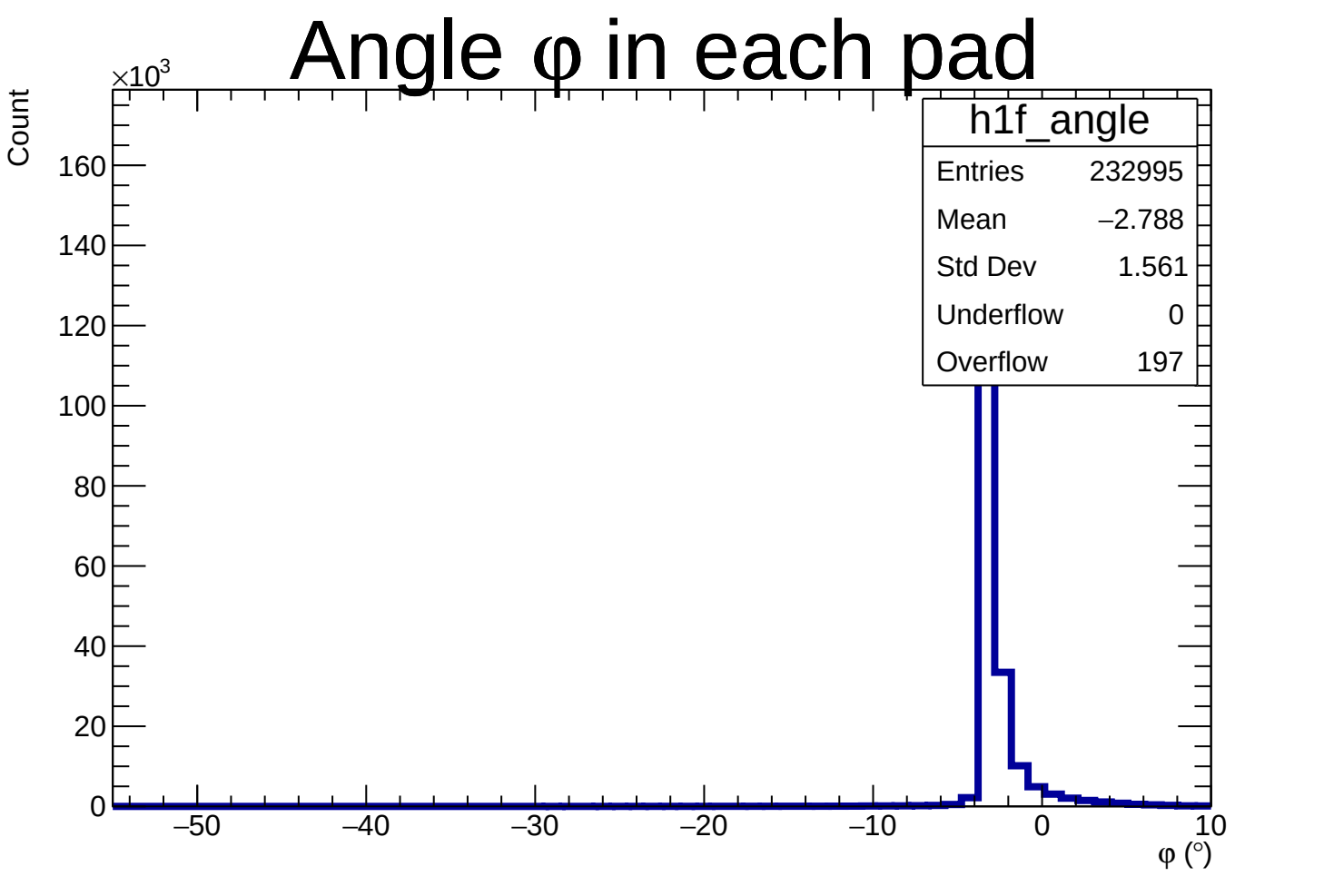

T_{max} of crossed pads
h1f_Tcross
Entries 232995
Mean 107.8
Std Dev 2.129
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

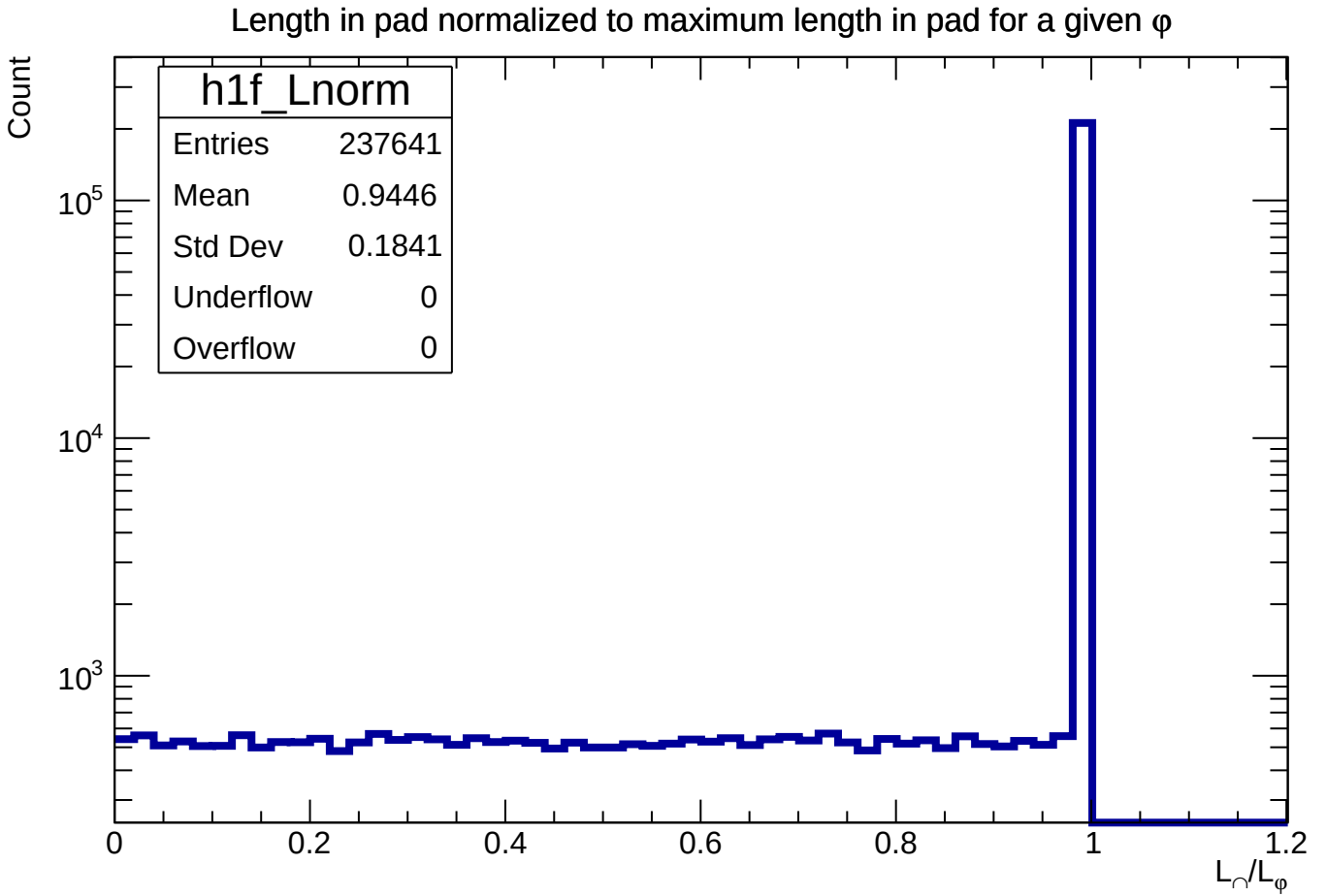
Number of crossed pads

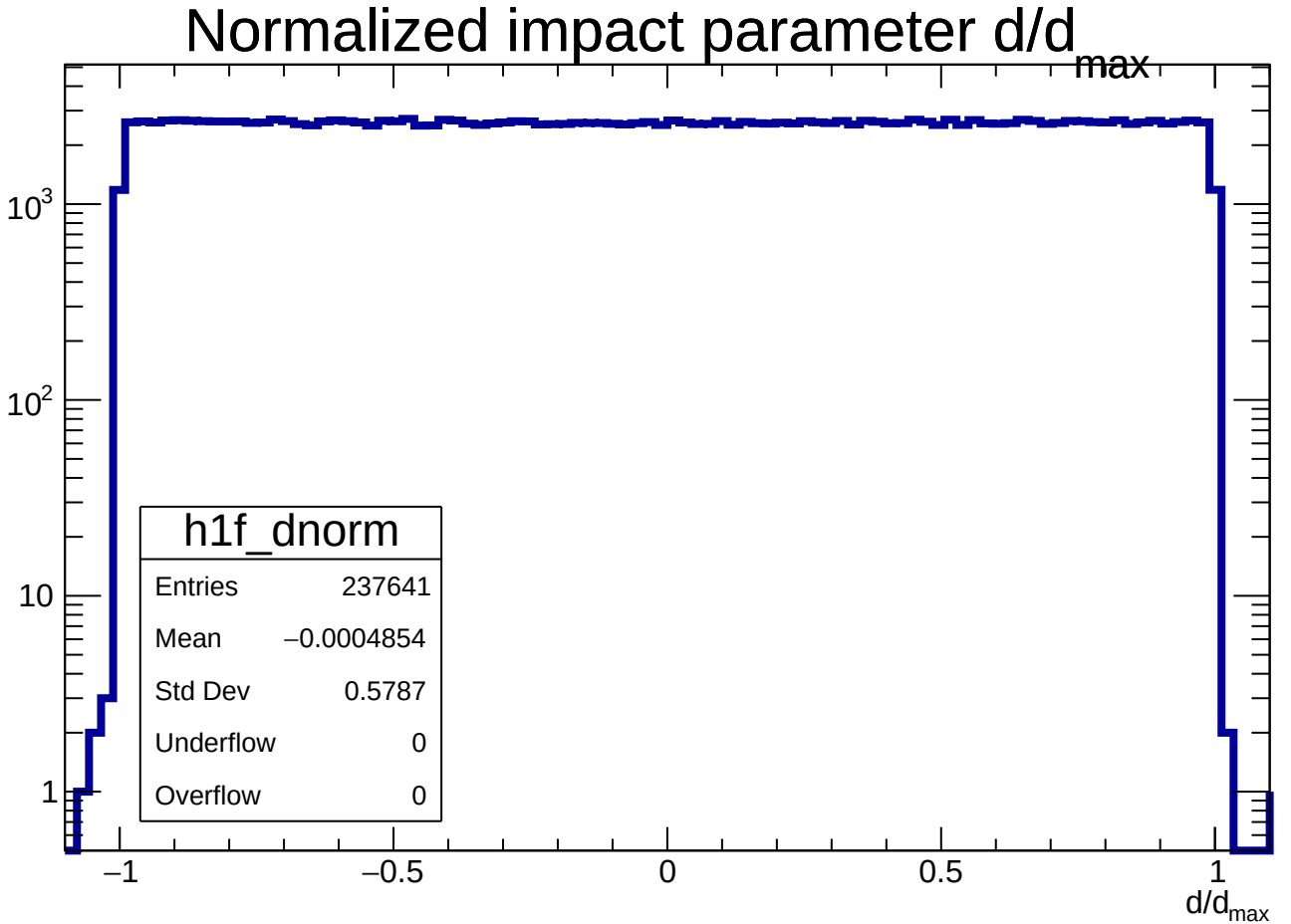


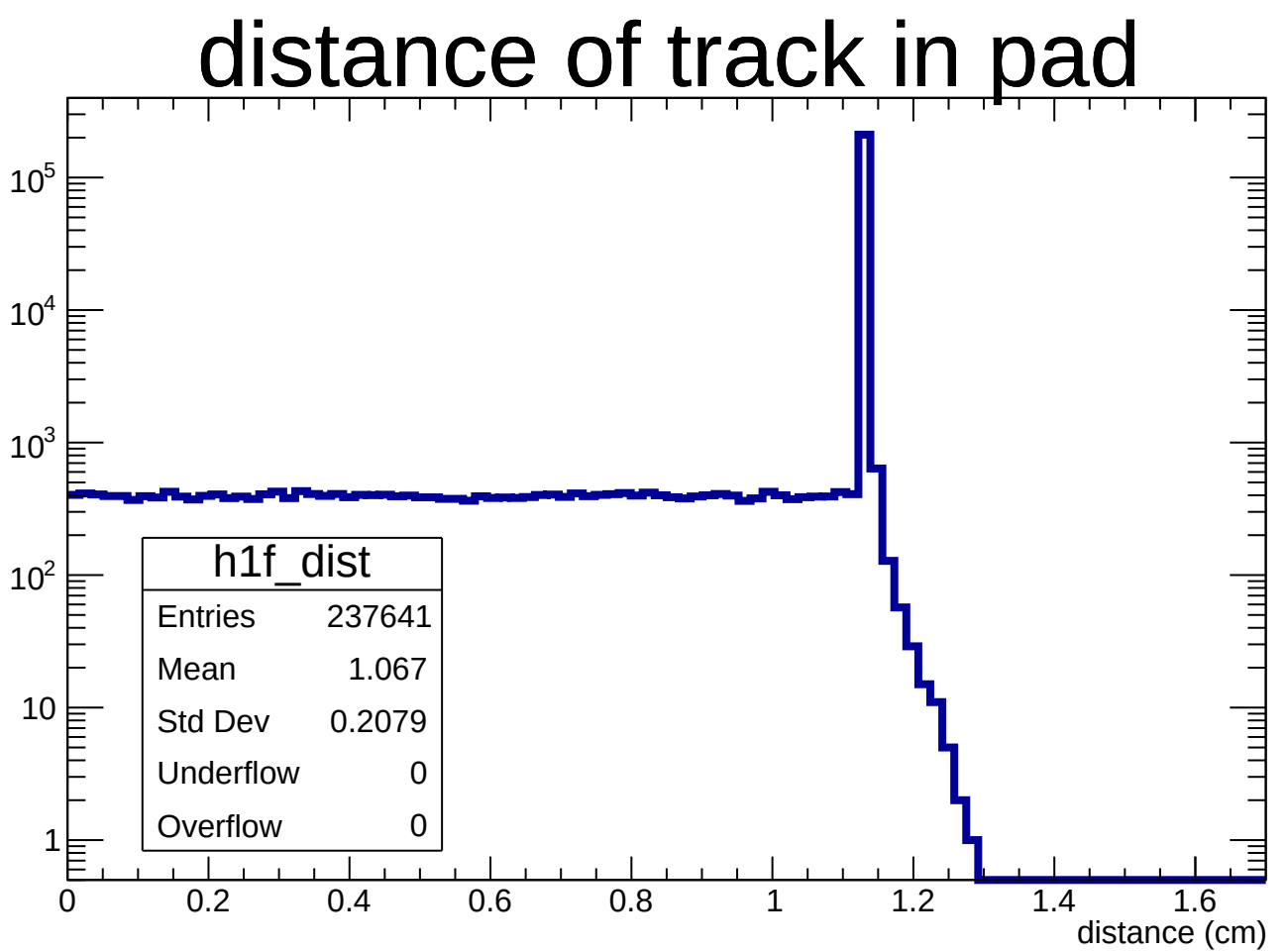

Σ(Q)/Σ(length) - mean{Q/length}
Count
h1f_XPdiff
Entries 6603
Mean −0.02492
Std Dev 7.461
Underflow 0
Overflow 0
1600
1400
1200
1000
800
600
400
200
0
−150
−100
−50
0
50
100
150
difference (ADC count)

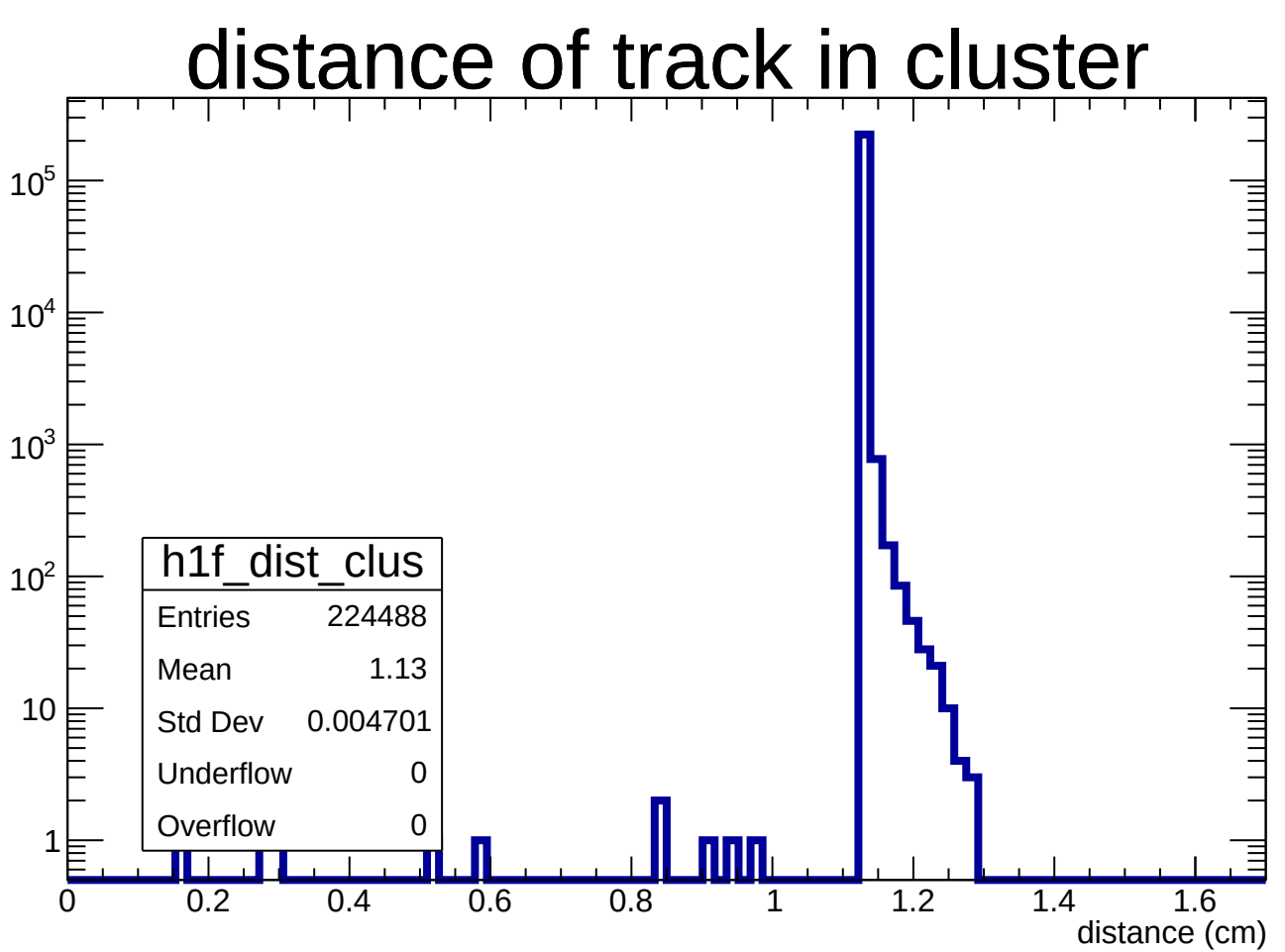

$Z_{file = 150mm} - Z_{computed}$
h1f_zdiff
Entries 232995
Mean –94.95
Std Dev 7.935
Underflow 171
Overflow 0
Count
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
–150
–100
–50
0
50
100
150
difference (mm)

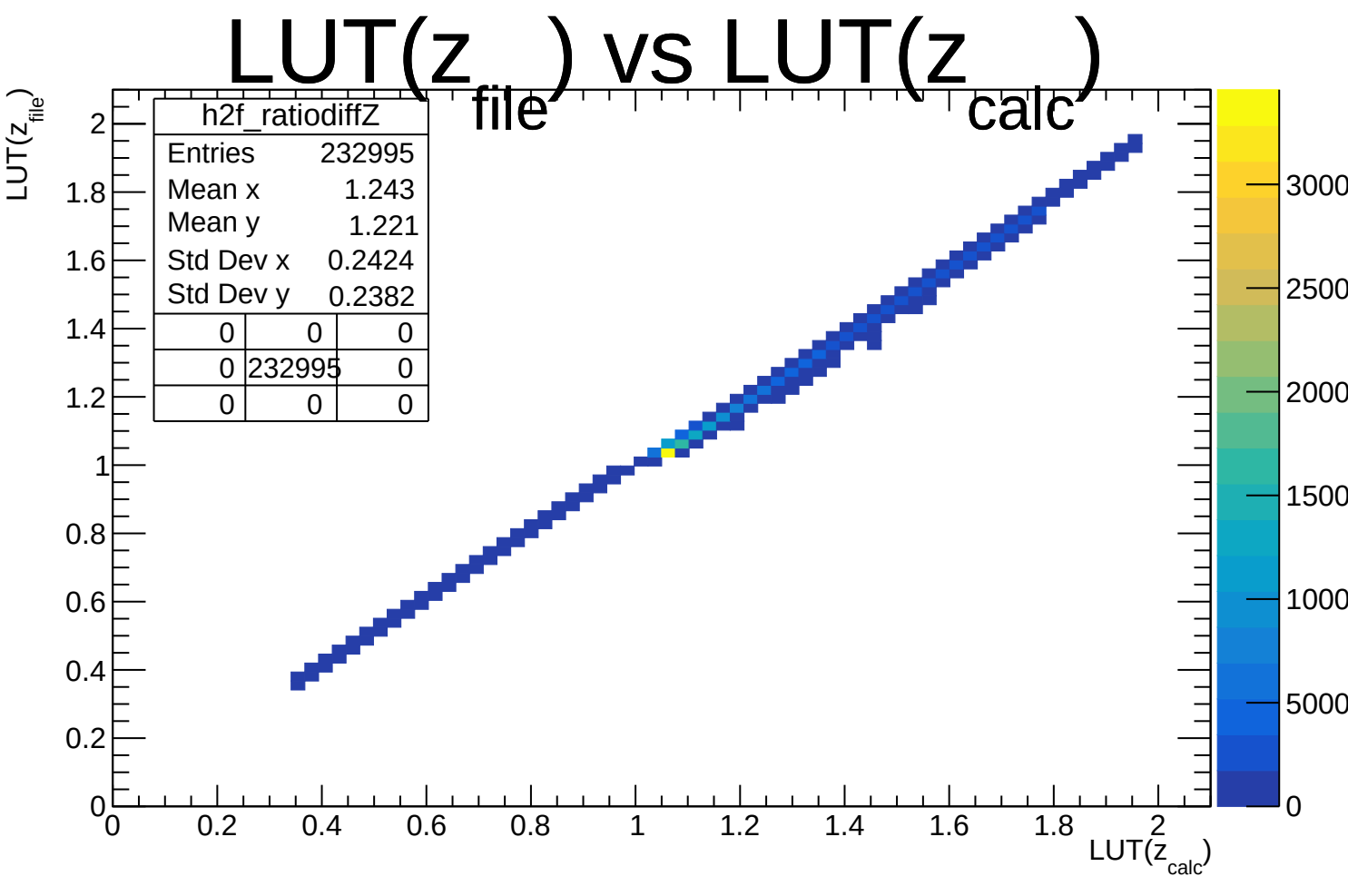

Angle φ in each pad
×10^3
Count
160
140
120
100
80
60
40
20
0
h1f_angle
Entries 232995
Mean −2.788
Std Dev 1.561
Underflow 0
Overflow 197
−50
−40
−30
−20
−10
0
10
φ (°)

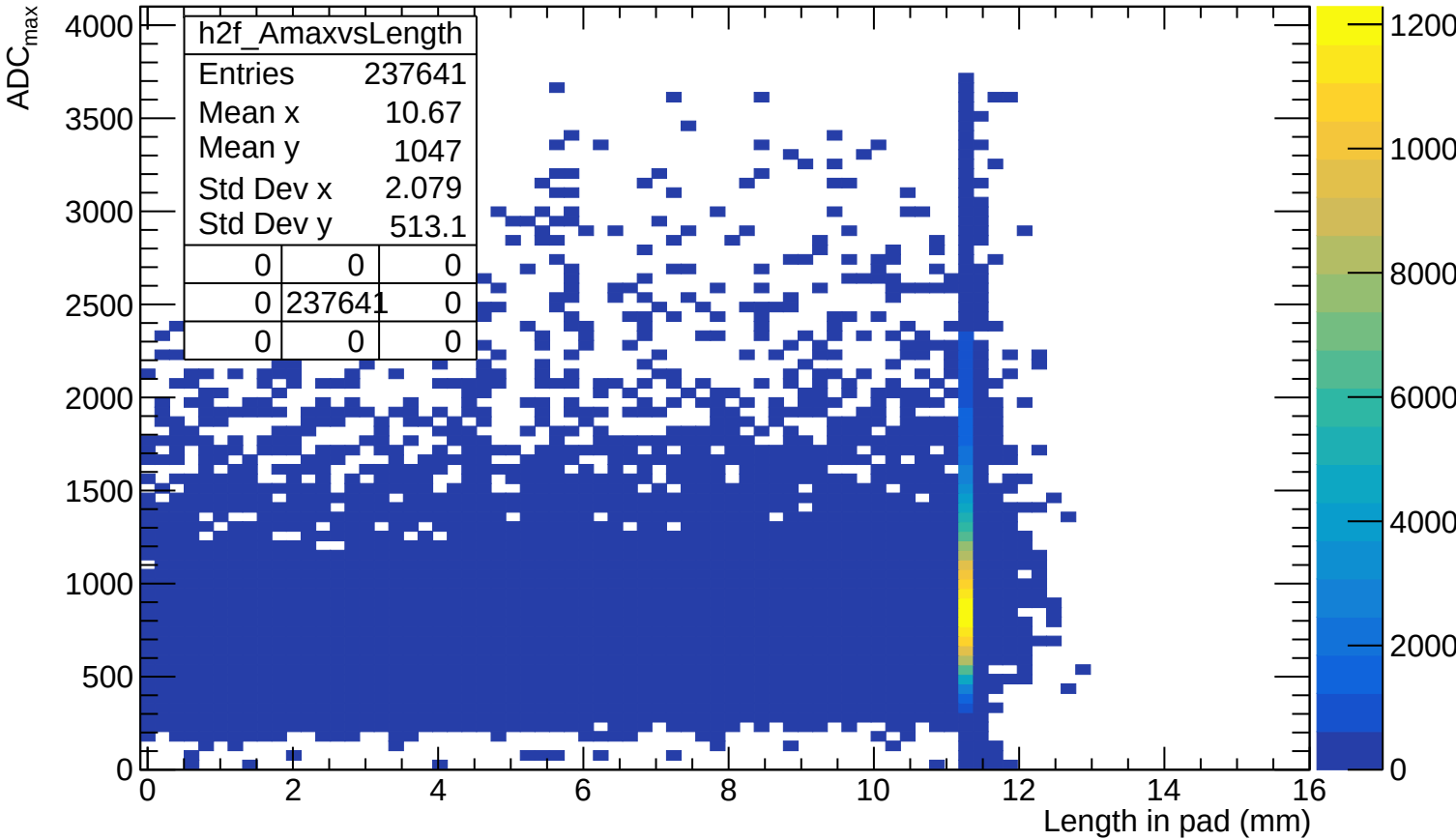

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 237641
Mean 0.9446
Std Dev 0.1841
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L◠/Lφ

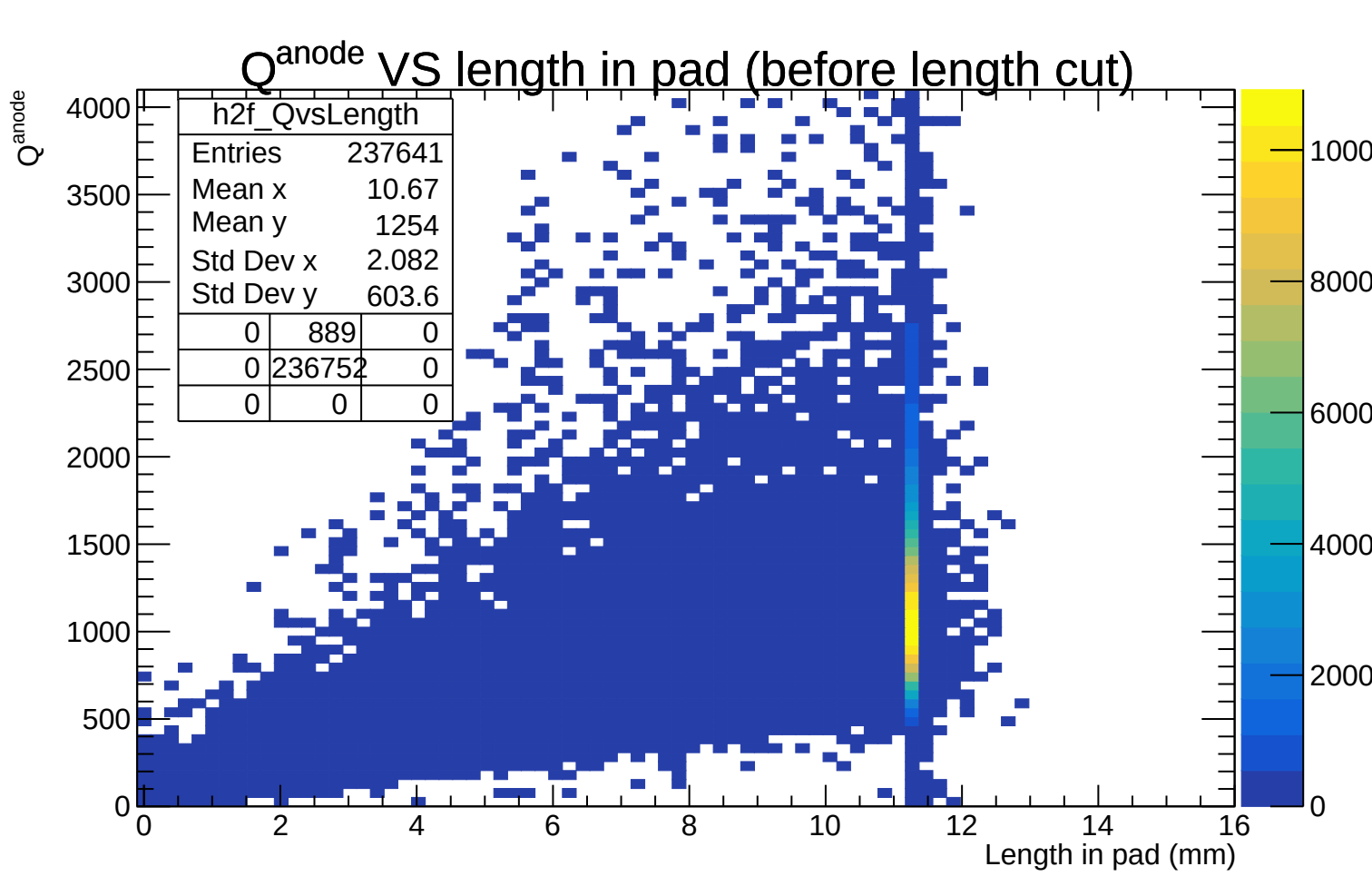

Normalized impact parameter d/d max
10^3
10^2
10
1
h1f_dnorm
Entries 237641
Mean −0.0004854
Std Dev 0.5787
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d max

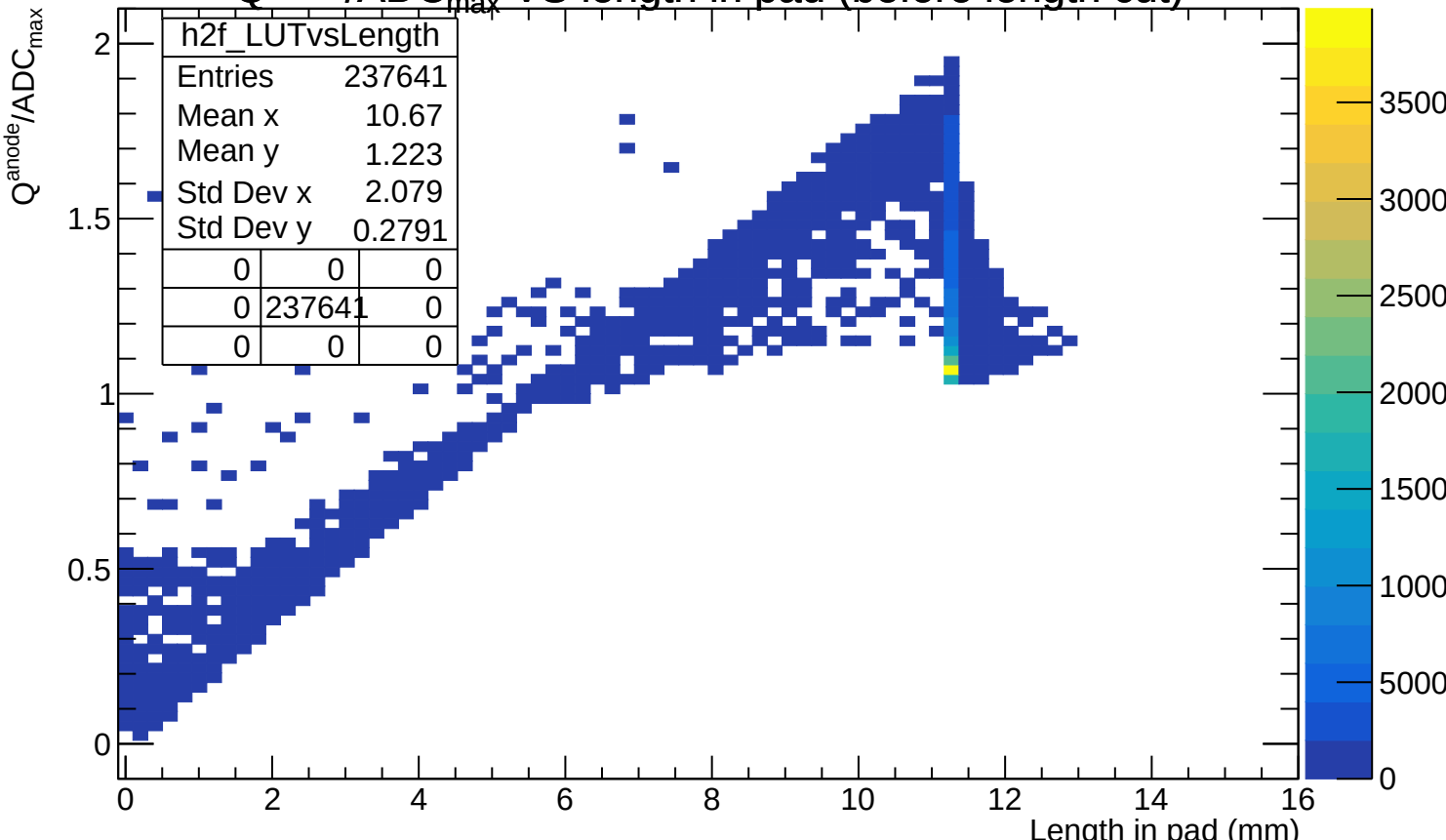

distance of track in pad
h1f_dist
Entries 237641
Mean 1.067
Std Dev 0.2079
Underflow 0
Overflow 0
distance (cm)

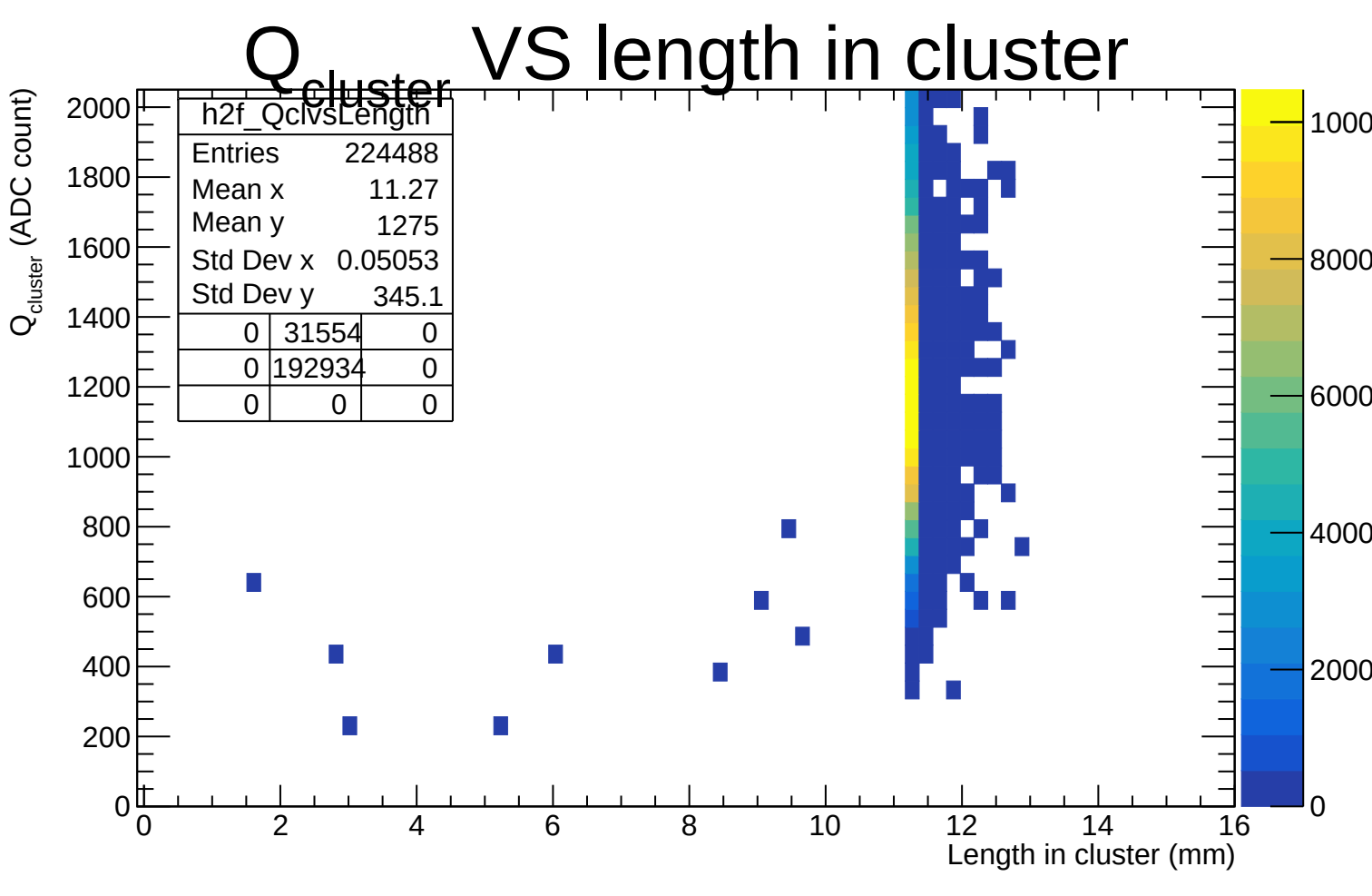

distance of track in cluster
h1f_dist_clus
Entries 224488
Mean 1.13
Std Dev 0.004701
Underflow 0
Overflow 0
10^5
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

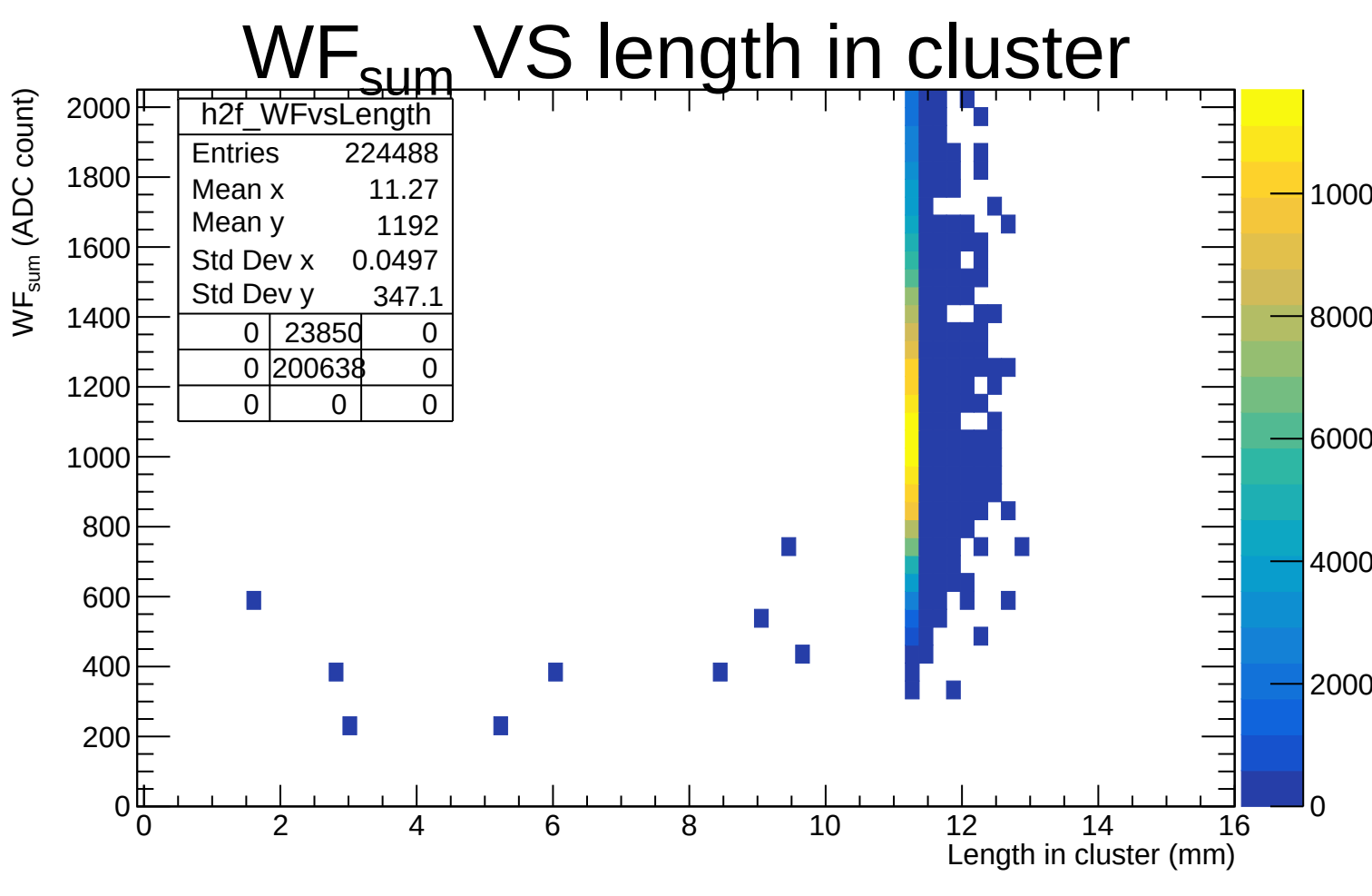

LUT(z file) vs LUT(z calc)
h2f_ratiodiffZ
Entries 232995
Mean x 1.243
Mean y 1.221
Std Dev x 0.2424
Std Dev y 0.2382
0 0 0
0 232995 0
0 0 0
LUT(z file)
LUT(z calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 500 1000 1500 2000 2500 3000

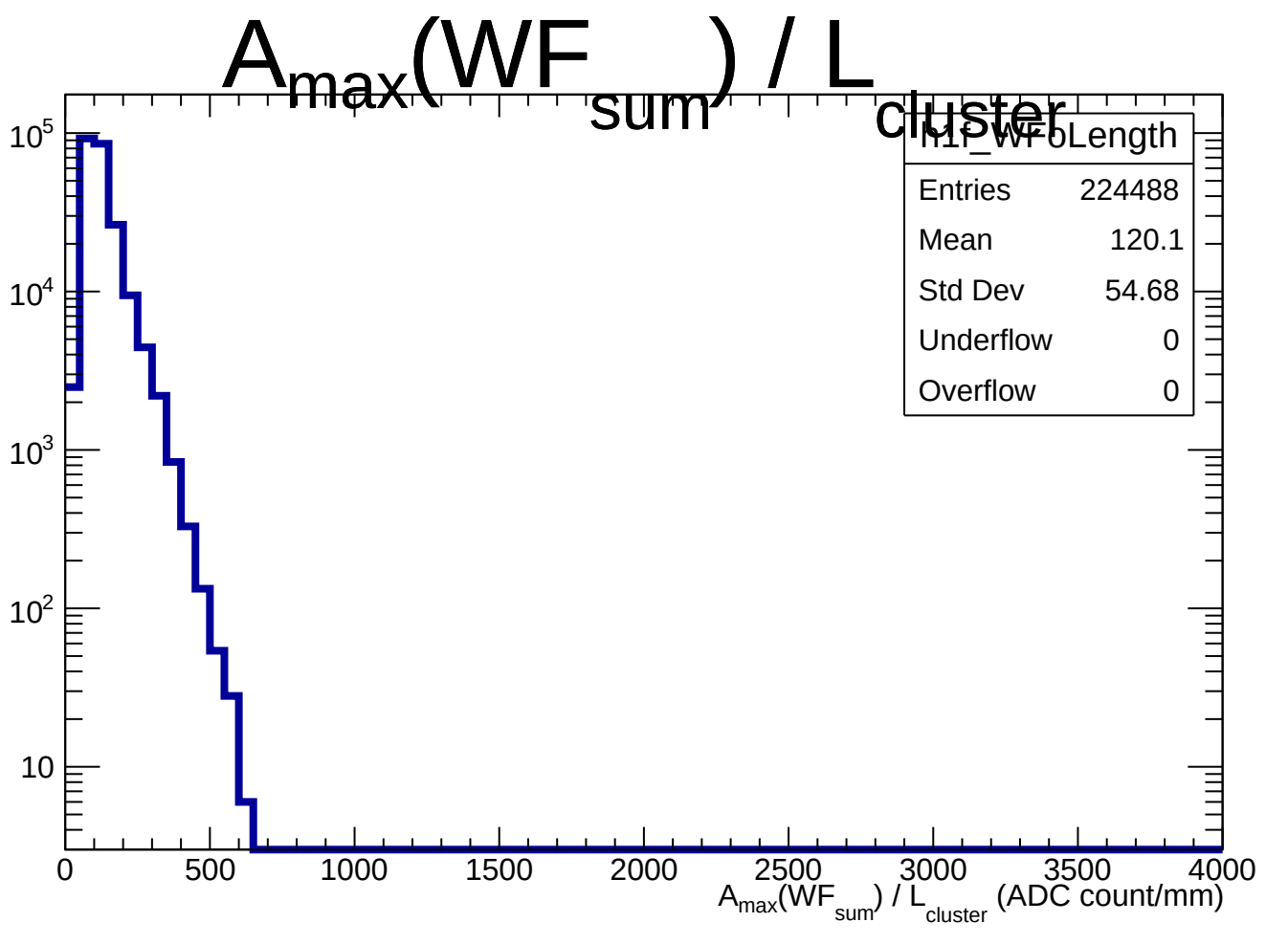

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 237641
Mean x 10.67
Mean y 1047
Std Dev x 2.079
Std Dev y 513.1
0 0 0
0 237641 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200

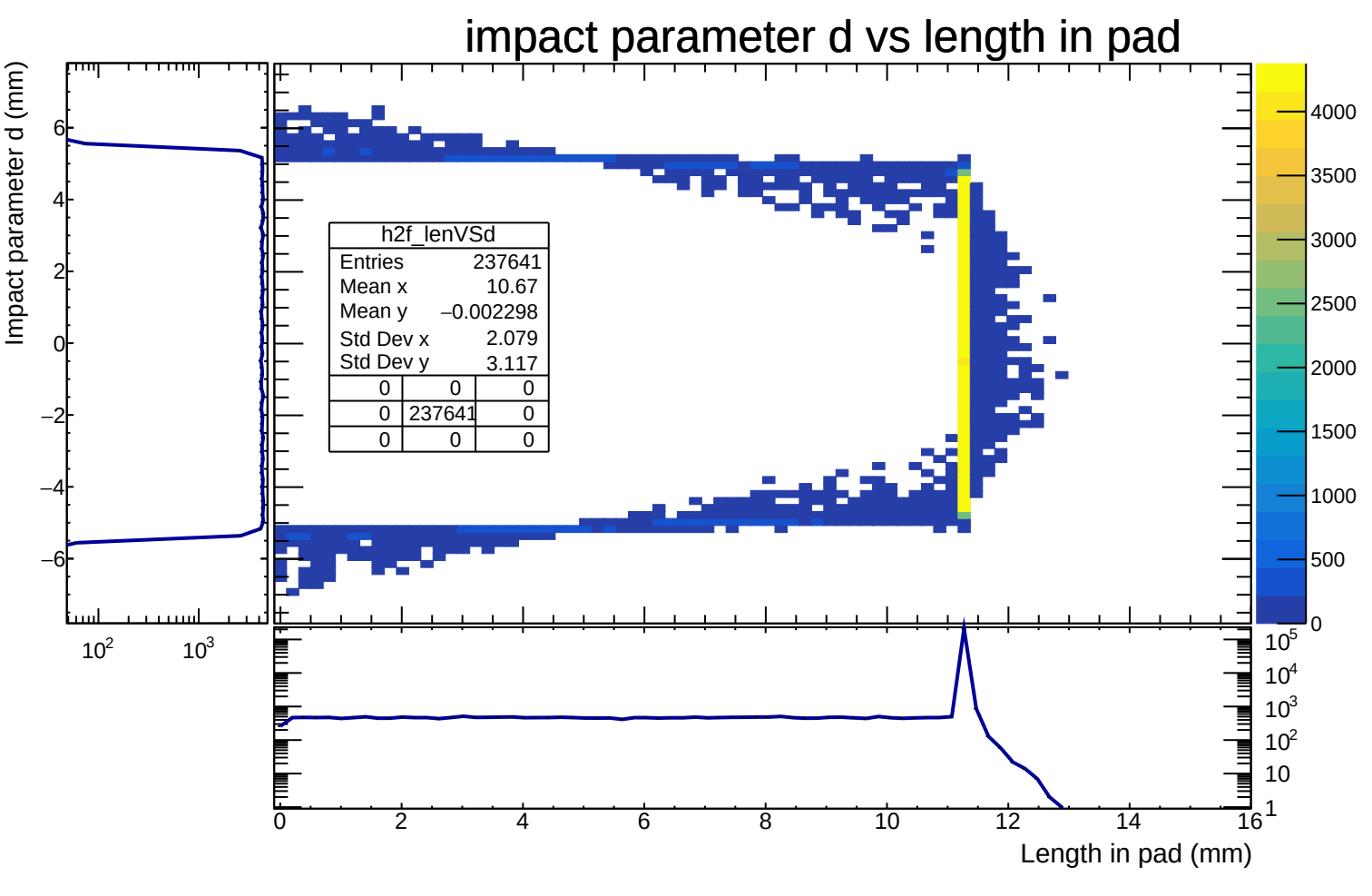

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 237641
Mean x 10.67
Mean y 1254
Std Dev x 2.082
Std Dev y 603.6
0 889 0
0 236752 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
1000
8000
6000
4000
2000
0


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 237641
Mean x 10.67
Mean y 1.223
Std Dev x 2.079
Std Dev y 0.2791
0 0 0
0 237641 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 224488
Mean x 11.27
Mean y 1275
Std Dev x 0.05053
Std Dev y 345.1
0 31554 0
0 192934 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
2000
4000
6000
8000
1000


WF_sum VS length in cluster
h2f_WFvsLength
Entries 224488
Mean x 11.27
Mean y 1192
Std Dev x 0.0497
Std Dev y 347.1
0 23850 0
0 200638 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 224488
Mean 120.1
Std Dev 54.68
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 237641
Mean x 10.67
Mean y −0.002298
Std Dev x 2.079
Std Dev y 3.117
0 0 0
0 237641 0
0 0 0