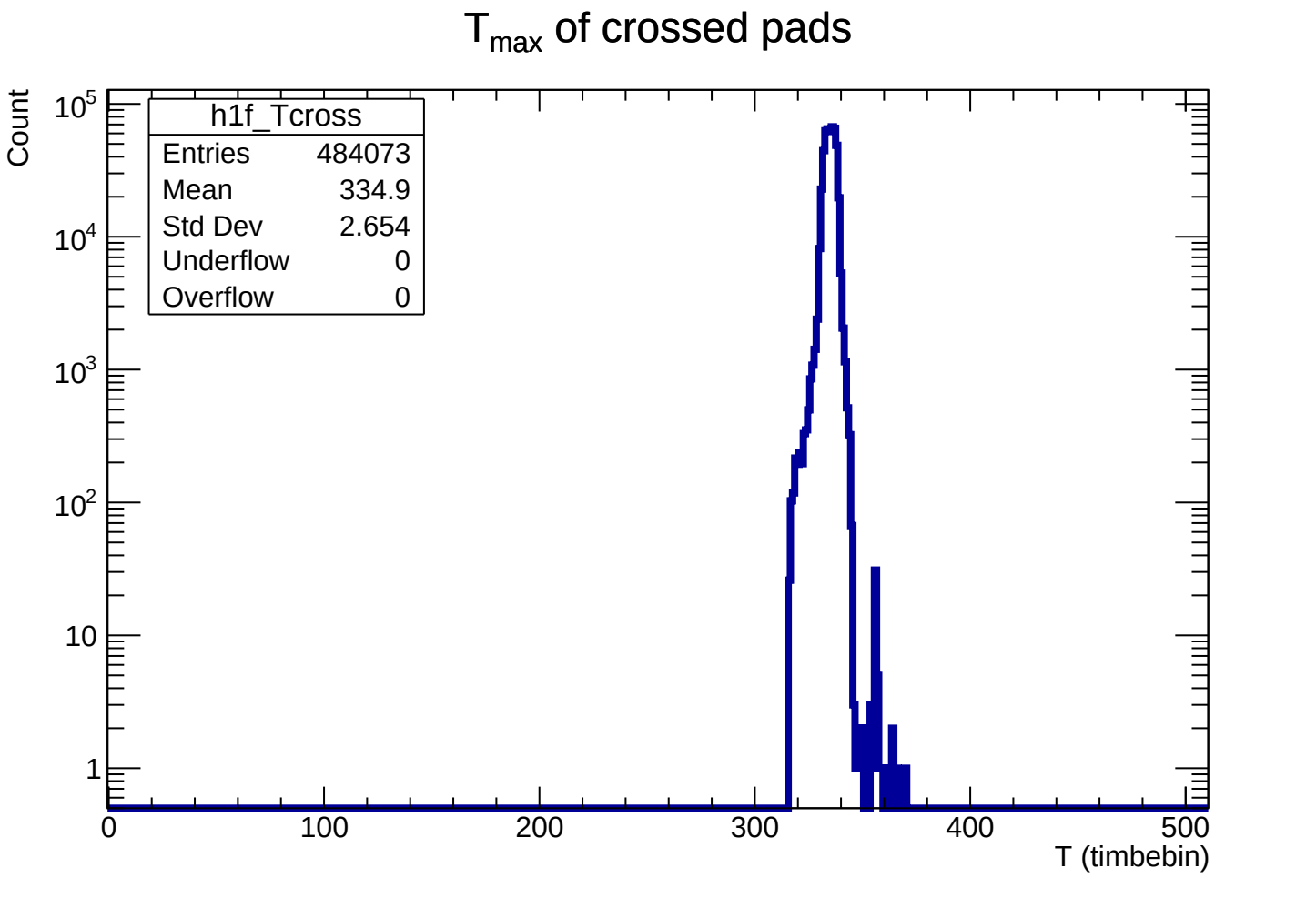
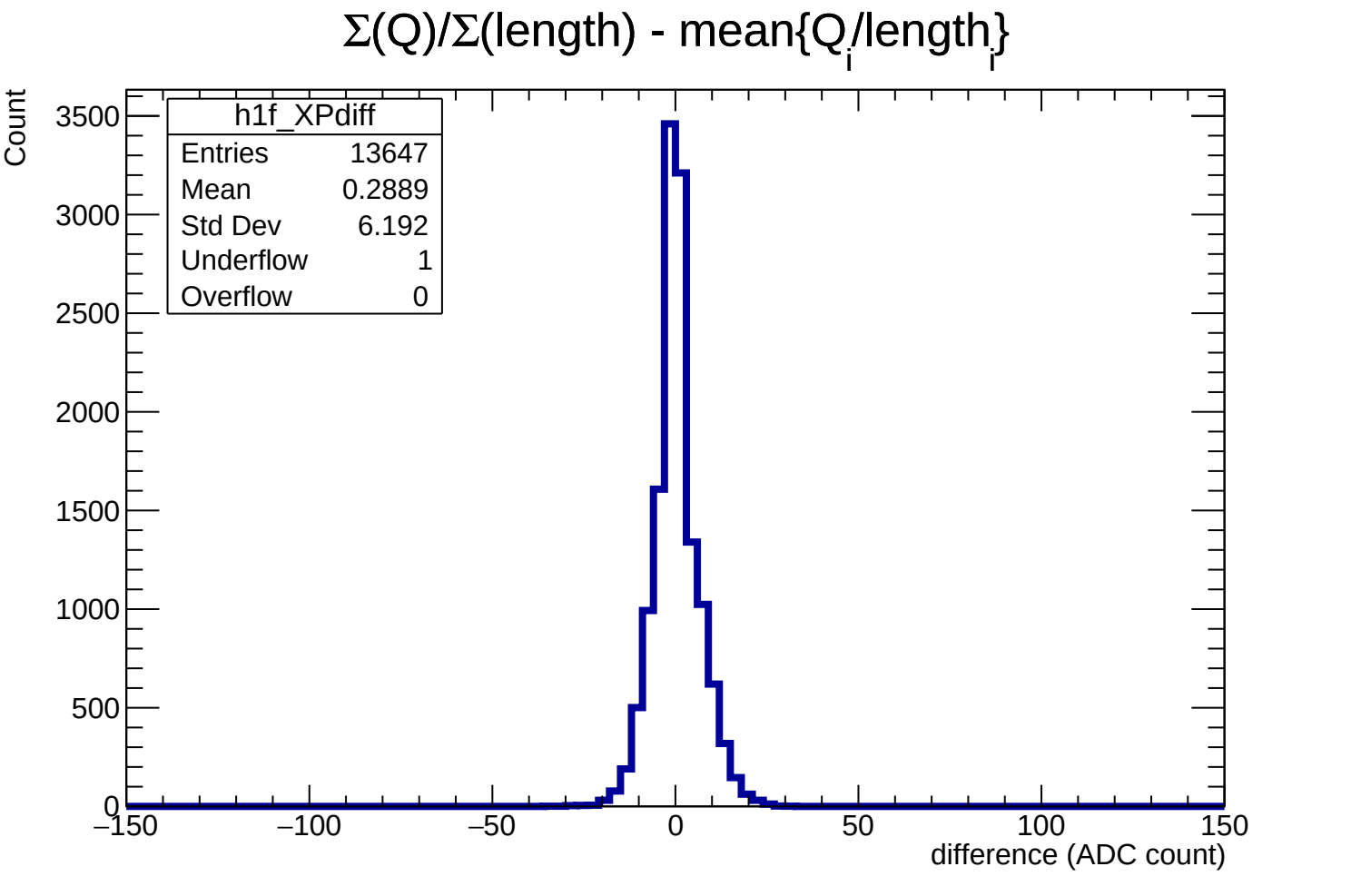
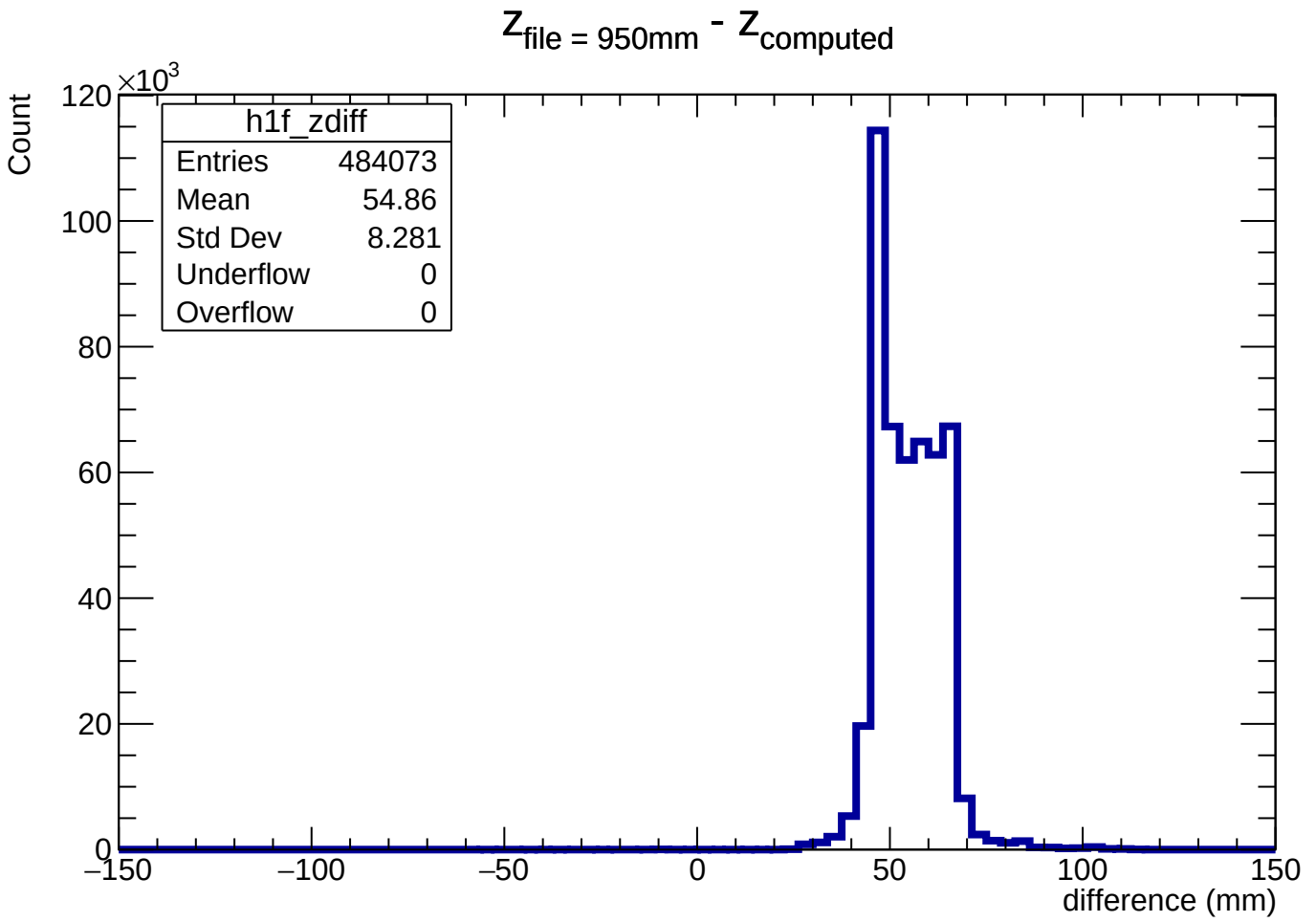
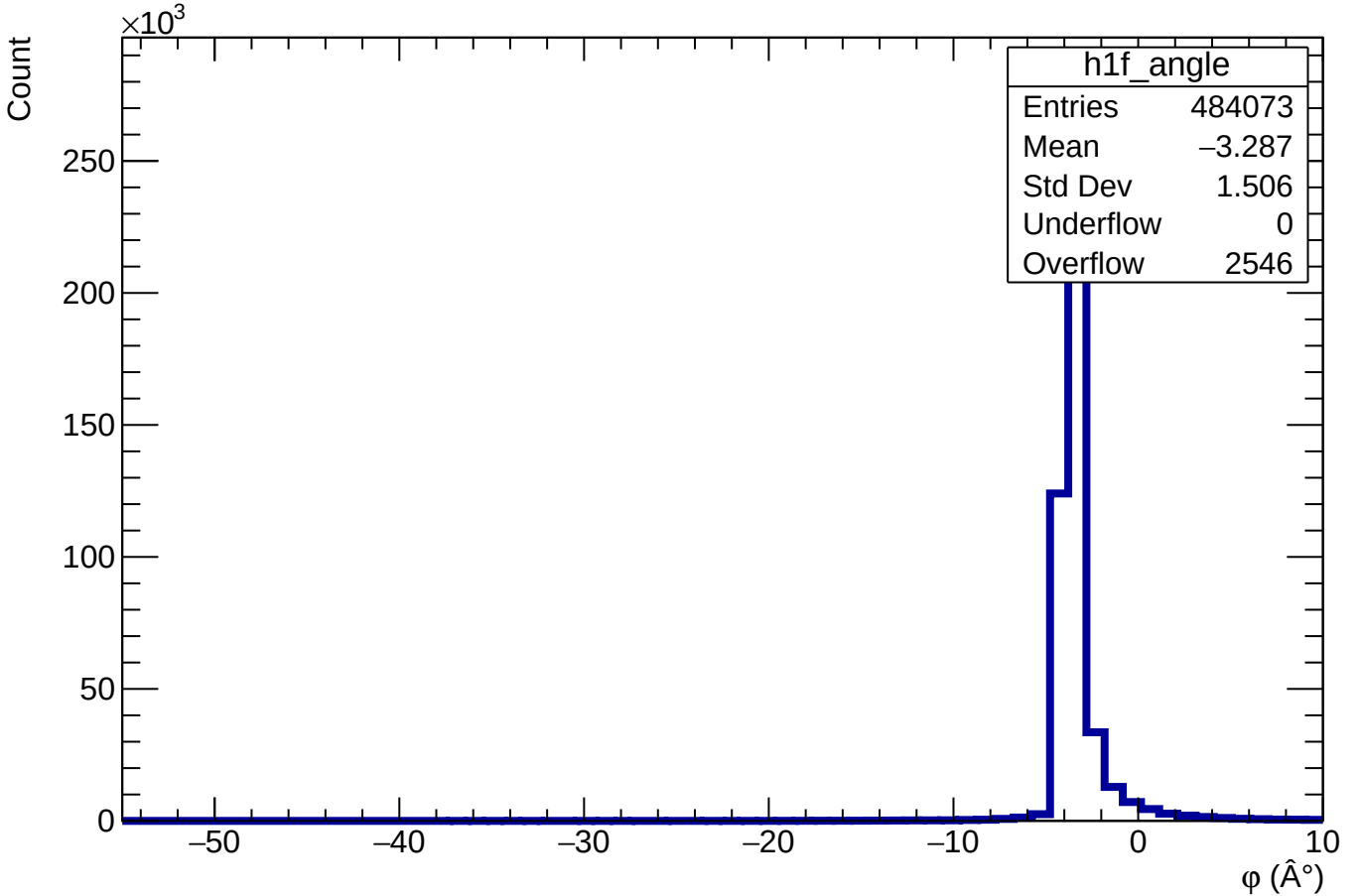
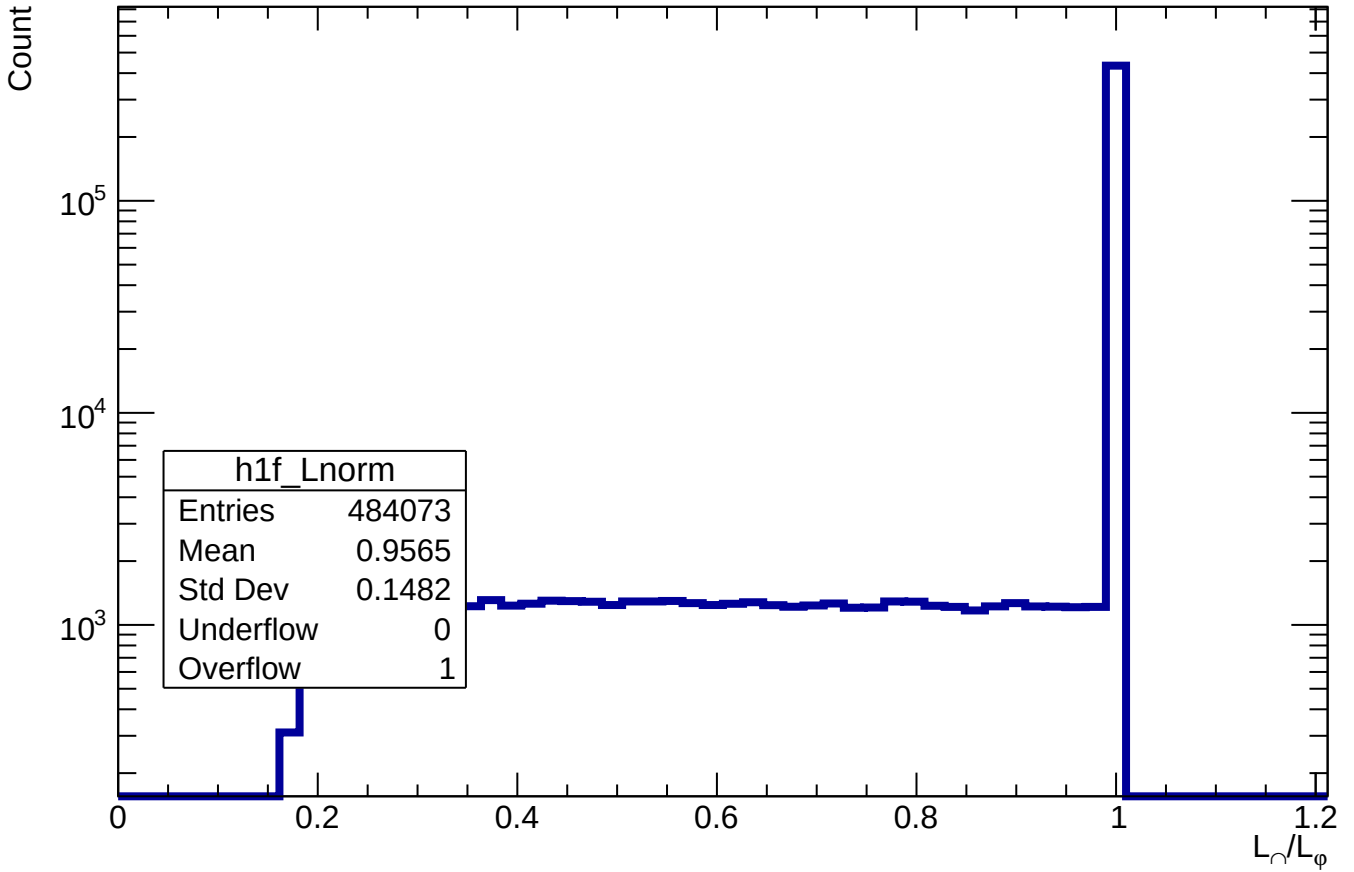
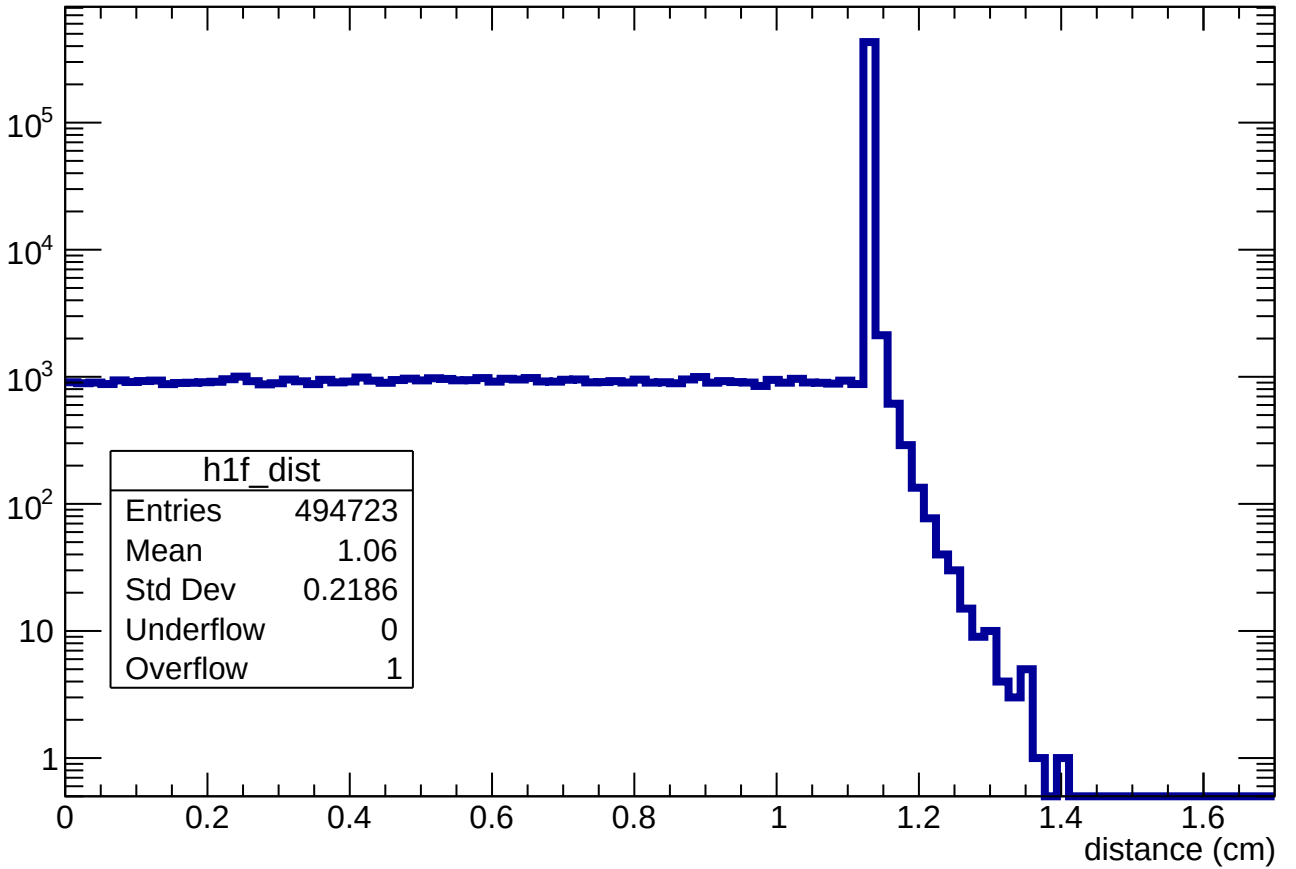

T_{max} of crossed pads
h1f_Tcross
Entries 484073
Mean 334.9
Std Dev 2.654
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

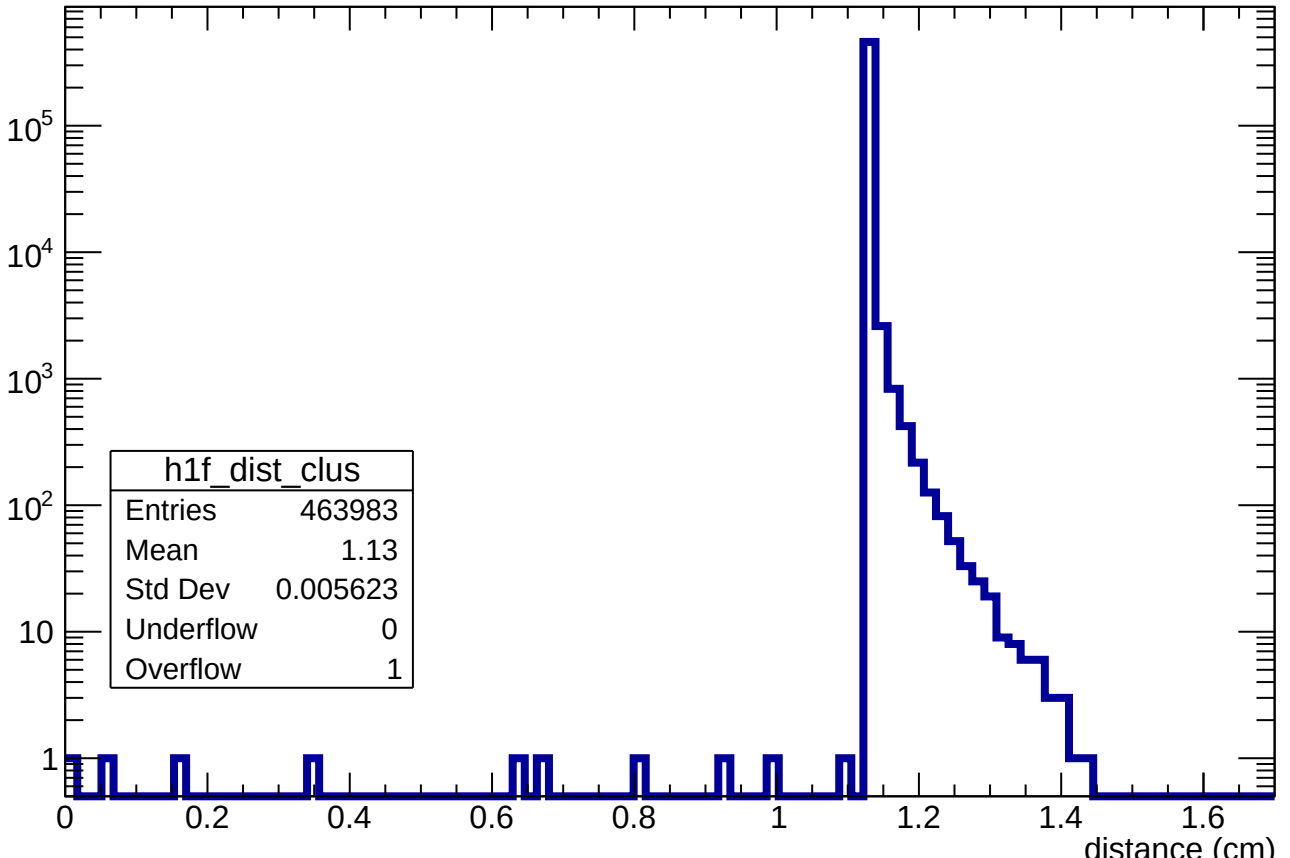

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 13647
Mean 0.2889
Std Dev 6.192
Underflow 1
Overflow 0
Count
3500
3000
2500
2000
1500
1000
500
0
–150
–100
–50
0
50
100
150
difference (ADC count)

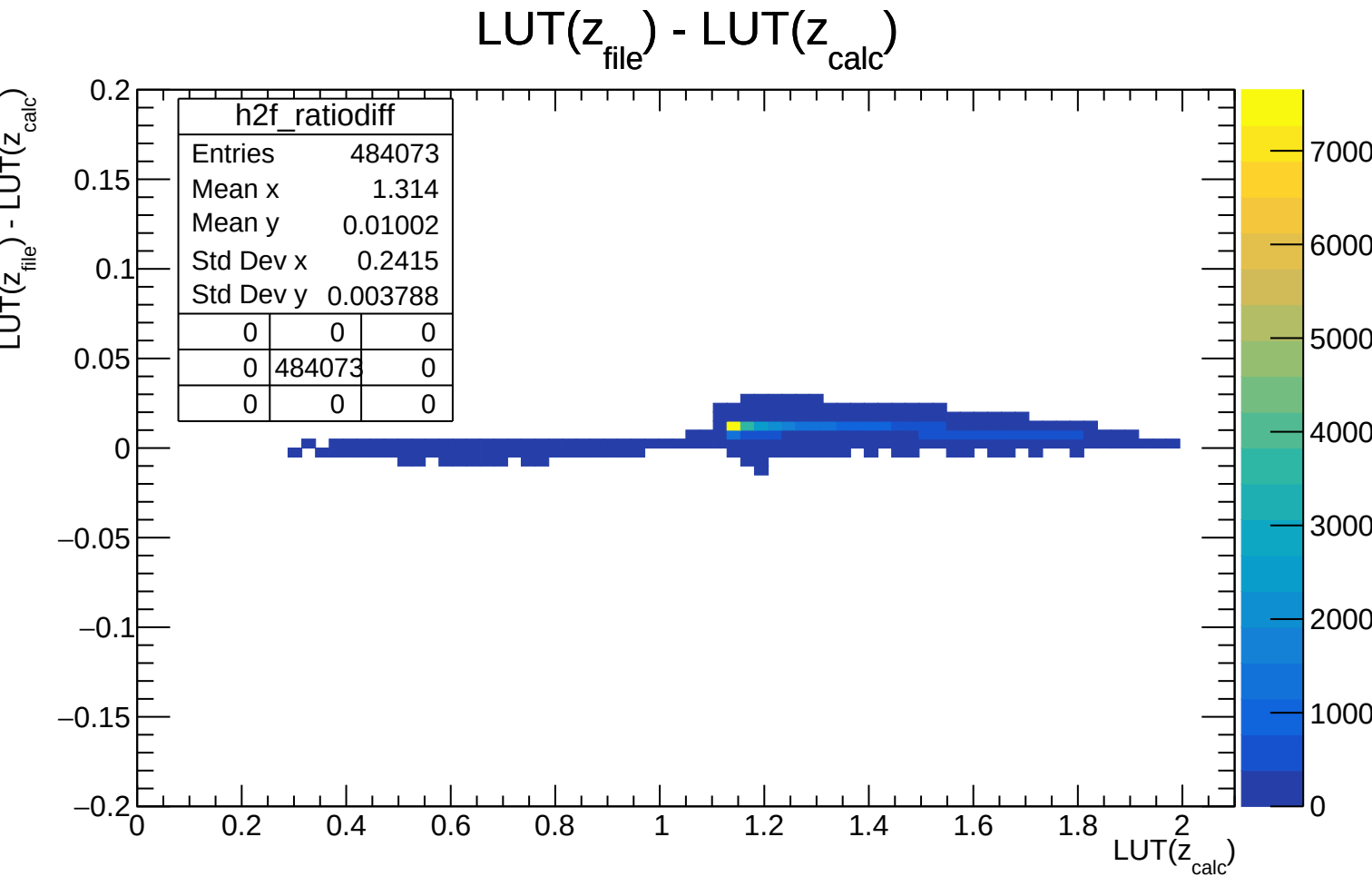

$Z_{file = 950mm} - Z_{computed}$
Count
×10^3
120
100
80
60
40
20
0
h1f_zdiff
Entries 484073
Mean 54.86
Std Dev 8.281
Underflow 0
Overflow 0
–150
–100
–50
0
50
100
150
difference (mm)

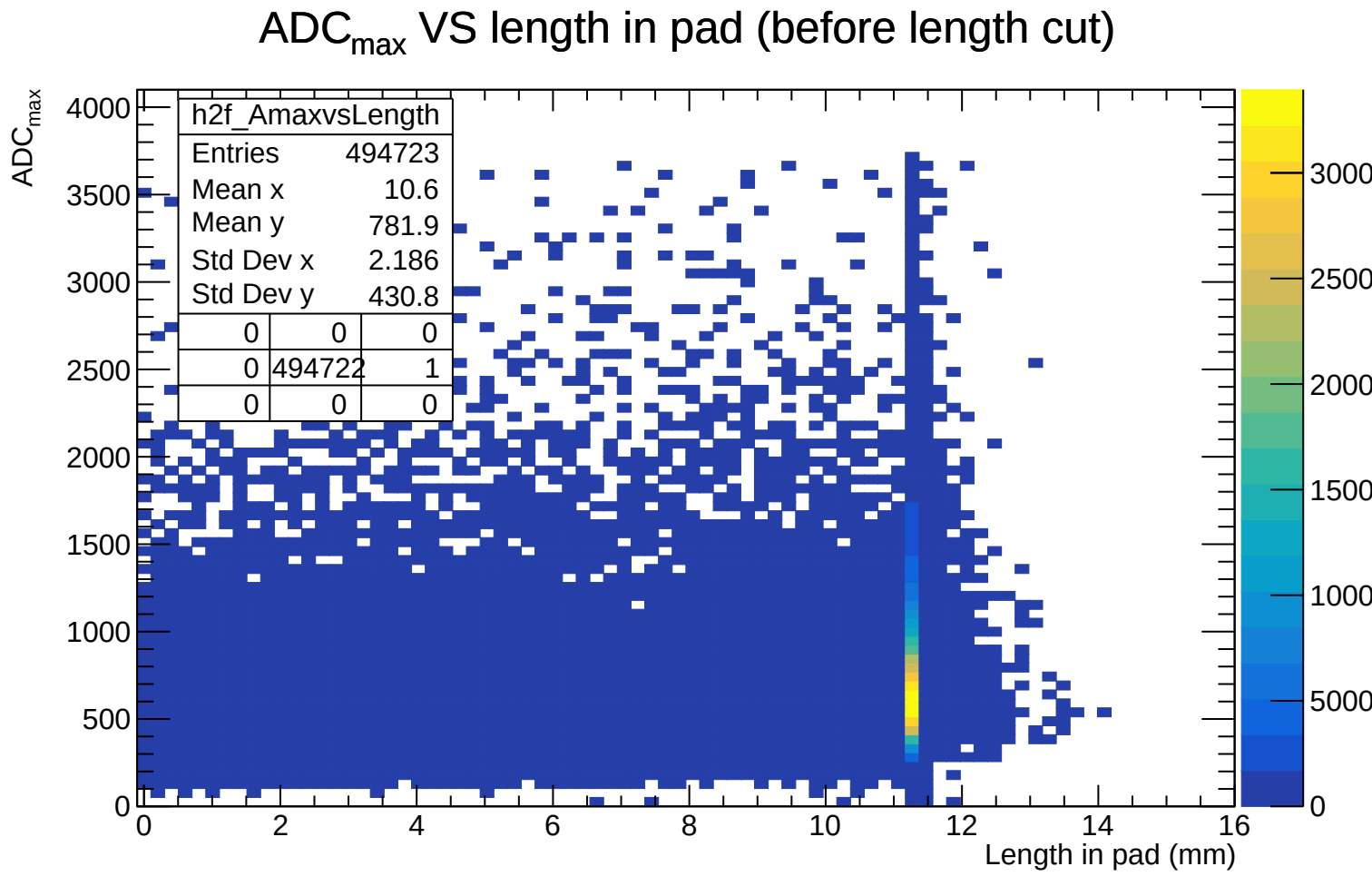

Angle φ in each pad
×10^3
Count
250
200
150
100
50
0
h1f_angle
Entries 484073
Mean –3.287
Std Dev 1.506
Underflow 0
Overflow 2546
–50
–40
–30
–20
–10
0
10
φ (Â°)

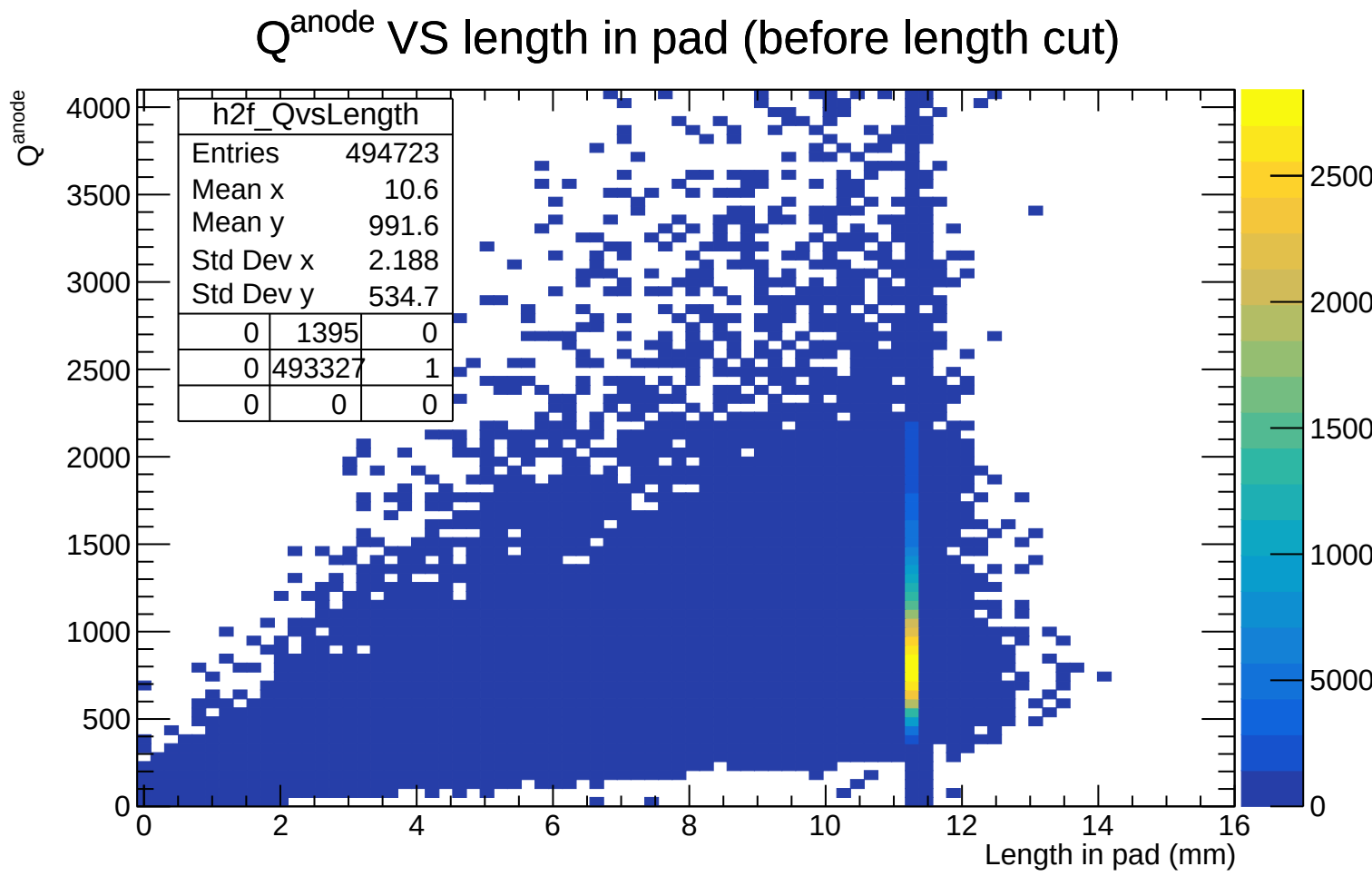

Length in pad normalized to maximum length in pad for a given φ
Count
10^5
10^4
10^3
h1f_Lnorm
Entries 484073
Mean 0.9565
Std Dev 0.1482
Underflow 0
Overflow 1
0
0.2
0.4
0.6
0.8
1
1.2
$L_{\cap}/L_{\varphi}$

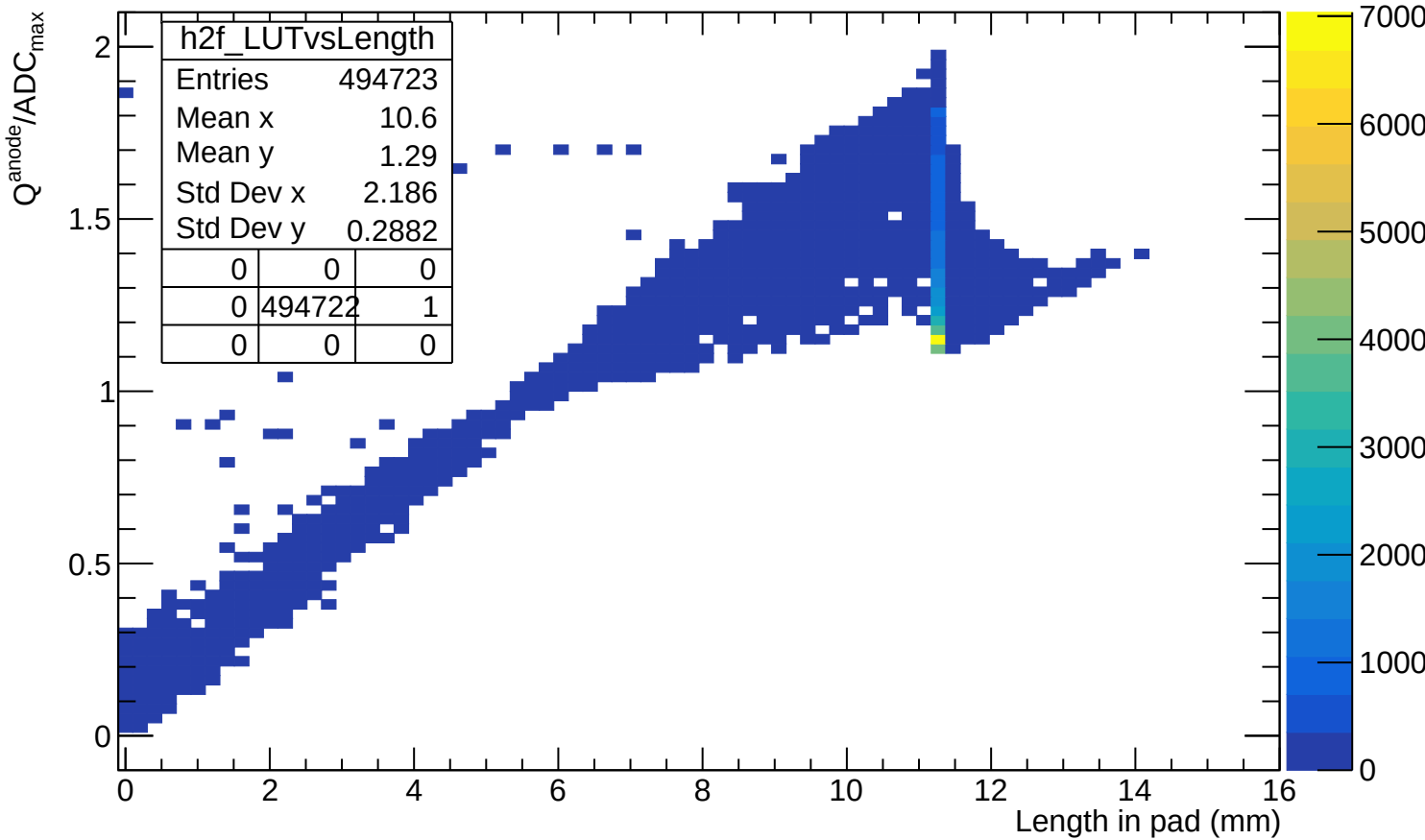

distance of track in pad
h1f_dist
Entries 494723
Mean 1.06
Std Dev 0.2186
Underflow 0
Overflow 1
distance (cm)

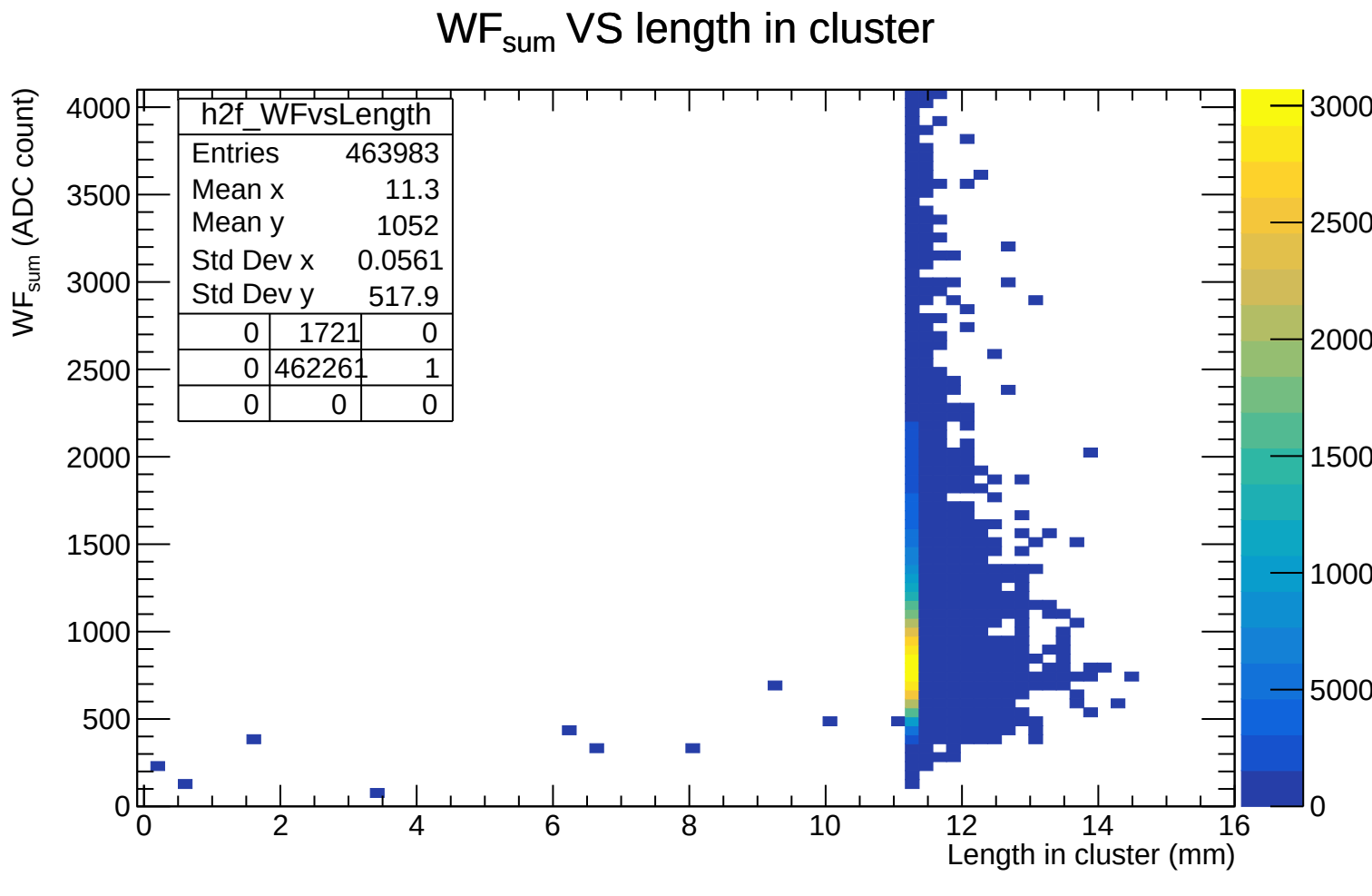

distance of track in cluster
h1f_dist_clus
Entries 463983
Mean 1.13
Std Dev 0.005623
Underflow 0
Overflow 1
10^5
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

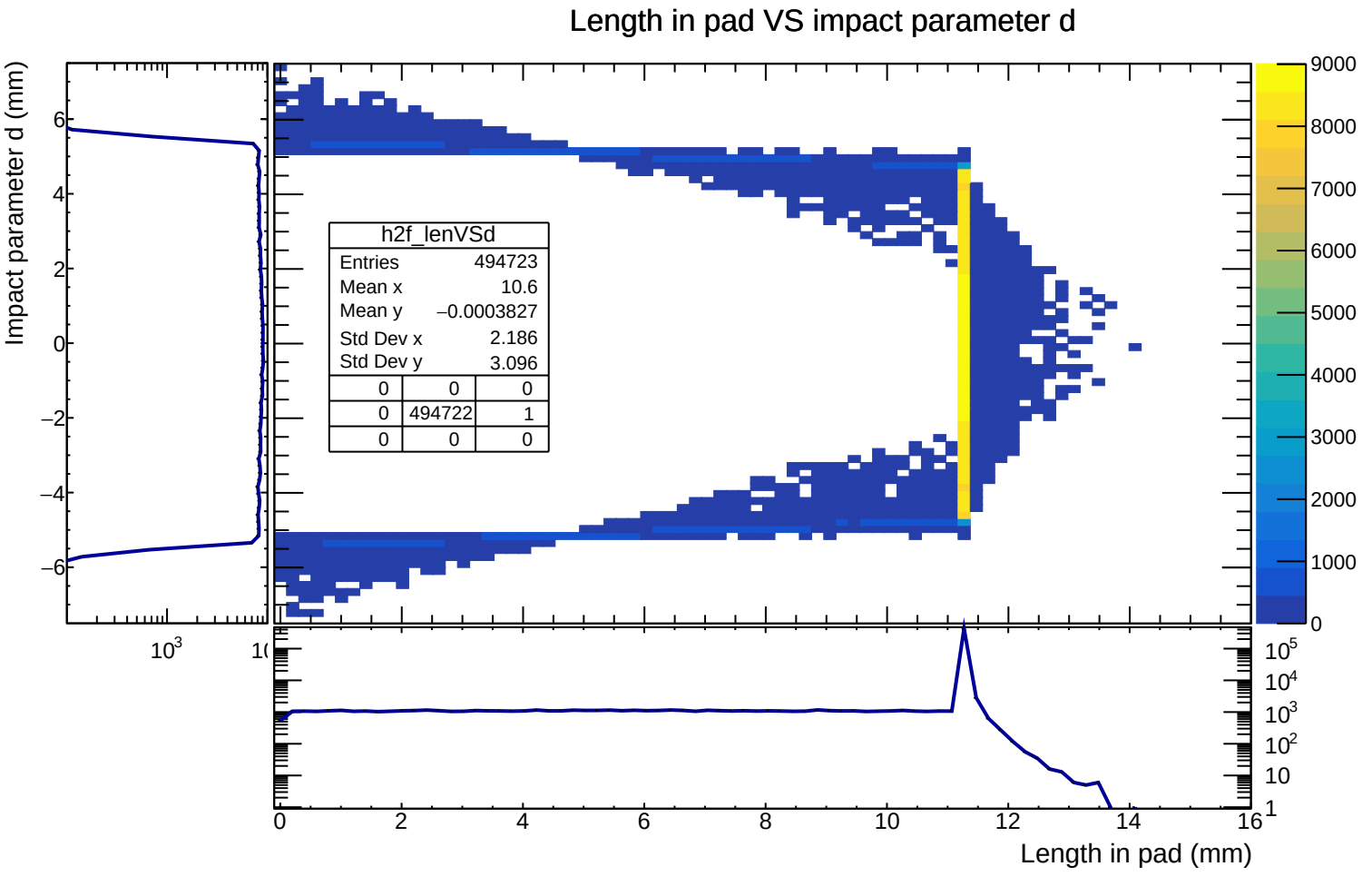

LUT(z_file) - LUT(z_calc)
h2f_ratiodiff
Entries 484073
Mean x 1.314
Mean y 0.01002
Std Dev x 0.2415
Std Dev y 0.003788
0 0 0
0 484073 0
0 0 0
LUT(z_file) - LUT(z_calc)
LUT(z_calc)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
7000
6000
5000
4000
3000
2000
1000
0


ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 494723
Mean x 10.6
Mean y 781.9
Std Dev x 2.186
Std Dev y 430.8
0 0 0
0 494722 1
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
5000


Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 494723
Mean x 10.6
Mean y 991.6
Std Dev x 2.188
Std Dev y 534.7
0 1395 0
0 493327 1
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
5000
1000
1500
2000
2500


Q^{anode}/ADC_{max} VS length in pad (before length cut)
h2f_LUTvsLength
Entries 494723
Mean x 10.6
Mean y 1.29
Std Dev x 2.186
Std Dev y 0.2882
0 0 0
0 494722 1
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
1000
2000
3000
4000
5000
6000
7000


WF$_{sum}$ VS length in cluster
h2f_WFvsLength
Entries 463983
Mean x 11.3
Mean y 1052
Std Dev x 0.0561
Std Dev y 517.9
0 1721 0
0 462261 1
0 0 0
WF$_{sum}$ (ADC count)
Length in cluster (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
500
1000
1500
2000
2500
3000


Length in pad VS impact parameter d
Impact parameter d (mm)
Length in pad (mm)
h2f_lenVSd
Entries 494723
Mean x 10.6
Mean y −0.0003827
Std Dev x 2.186
Std Dev y 3.096
0 0 0
0 494722 1
0 0 0