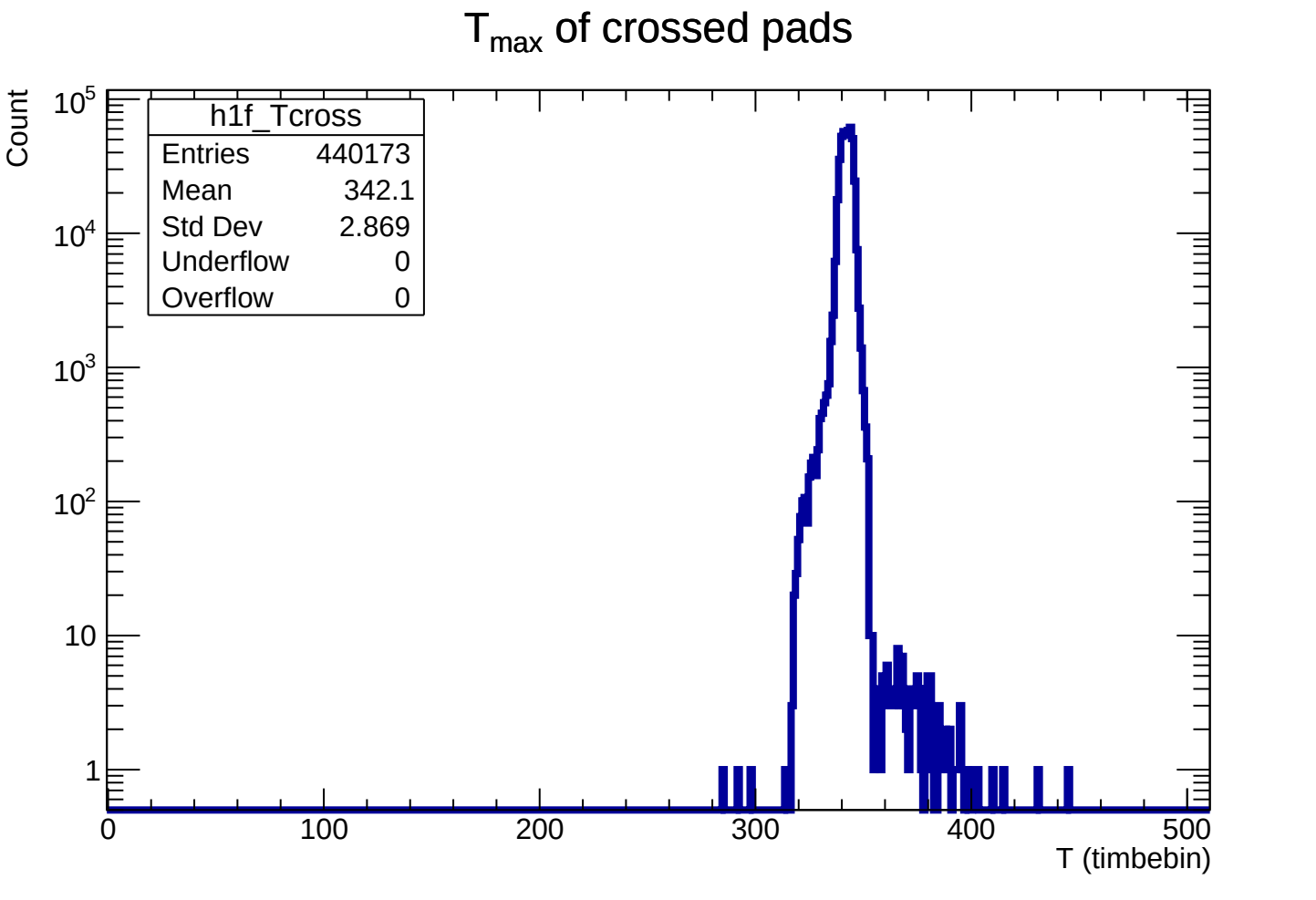
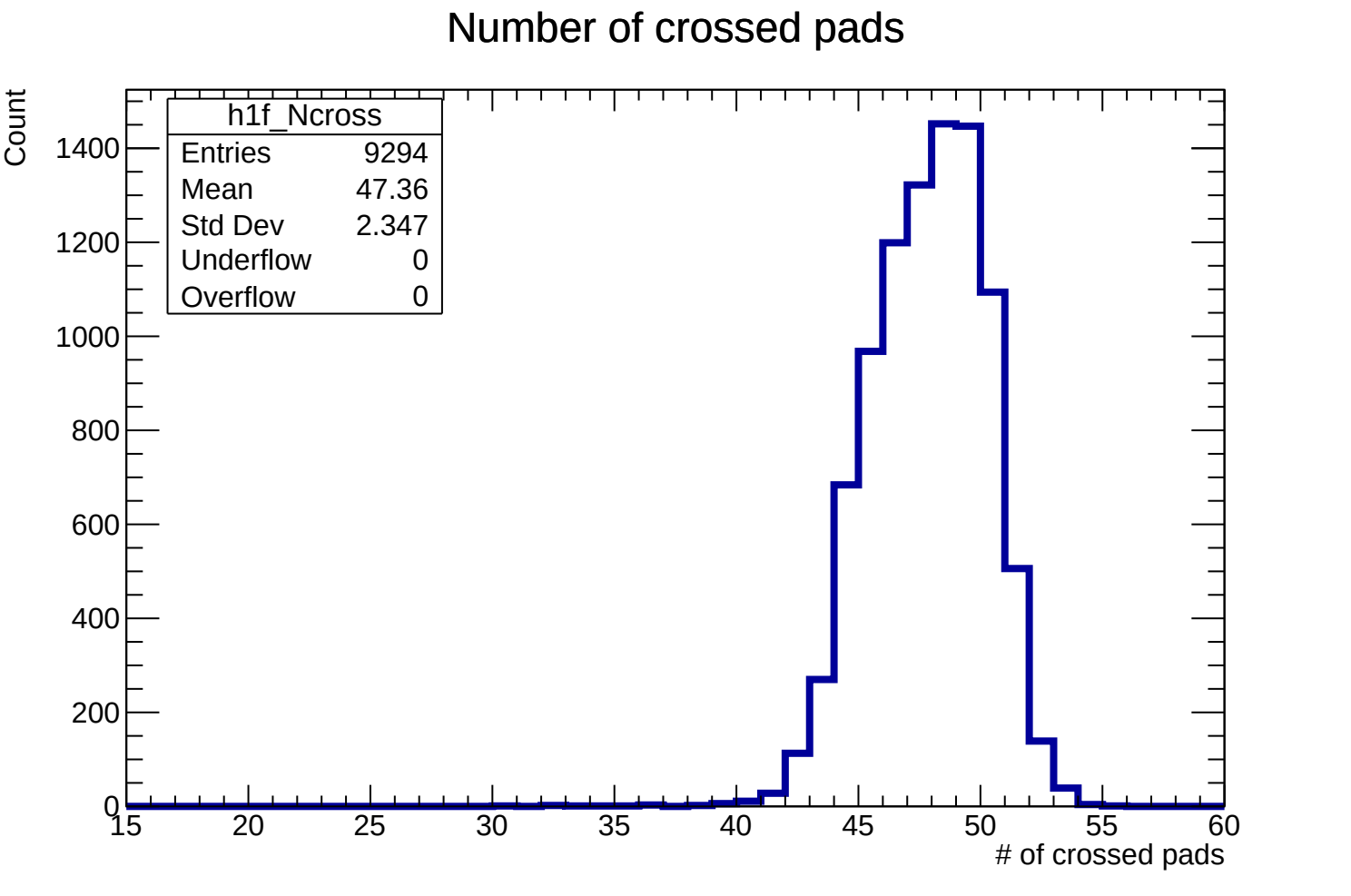
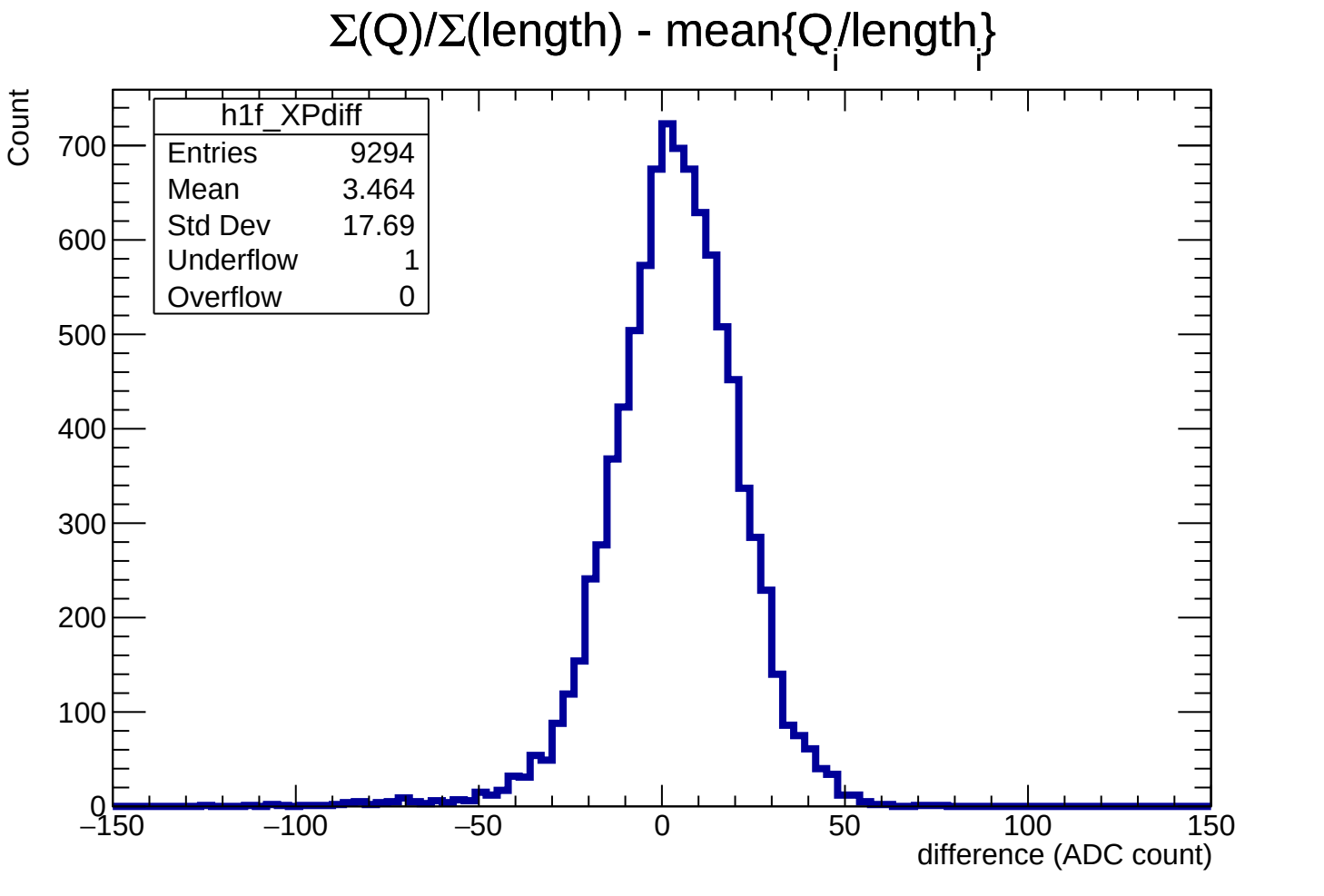
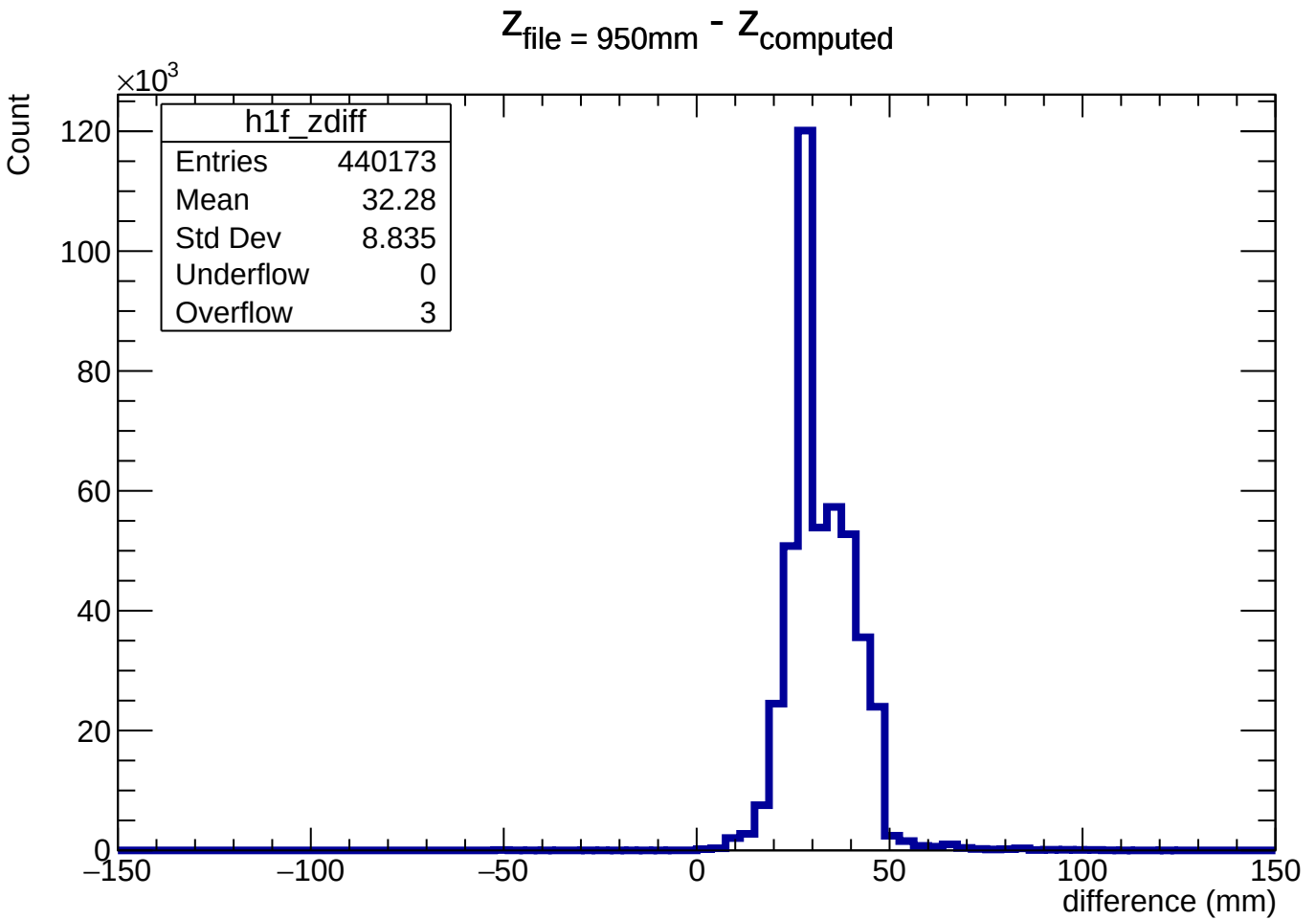
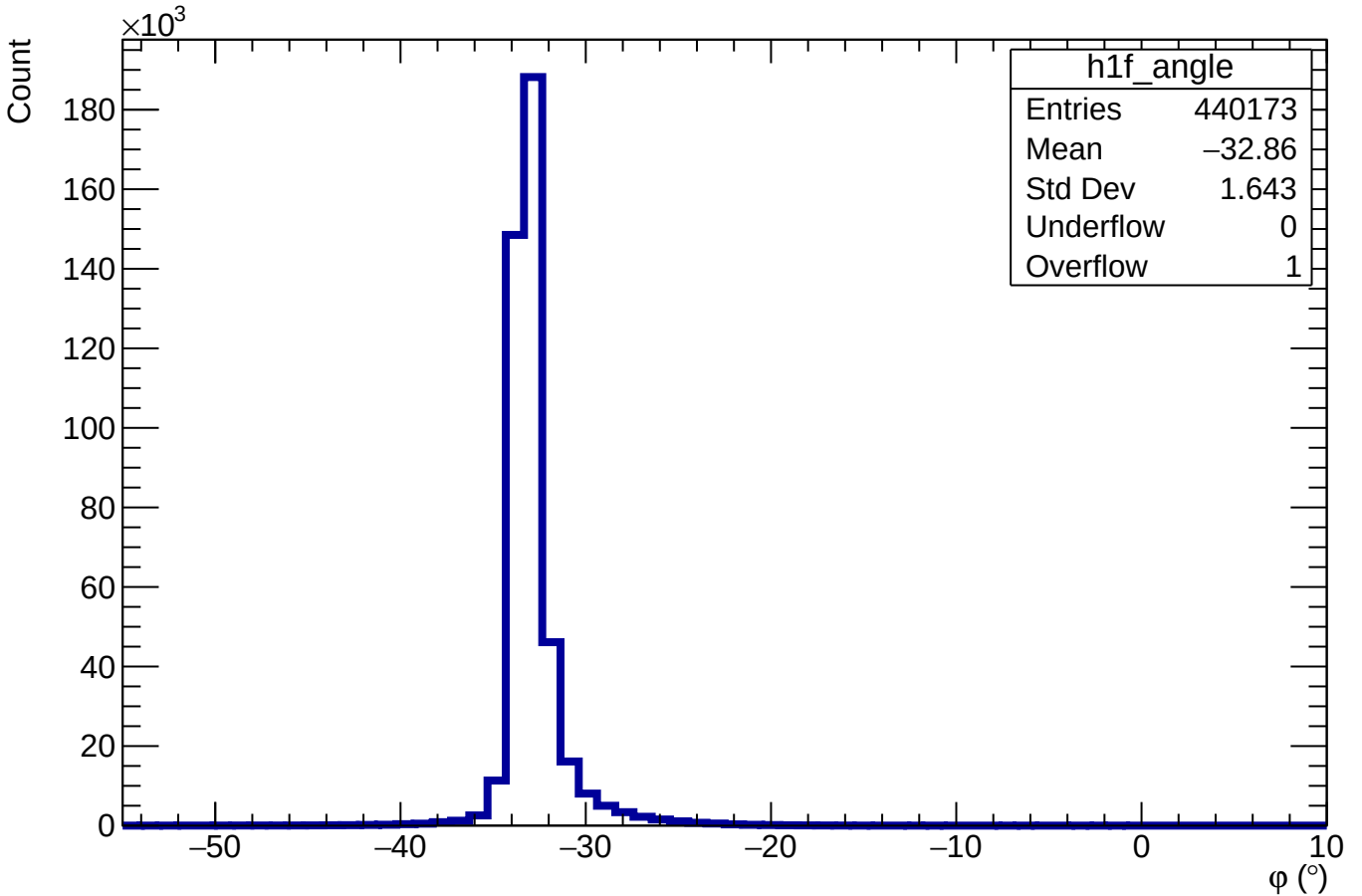
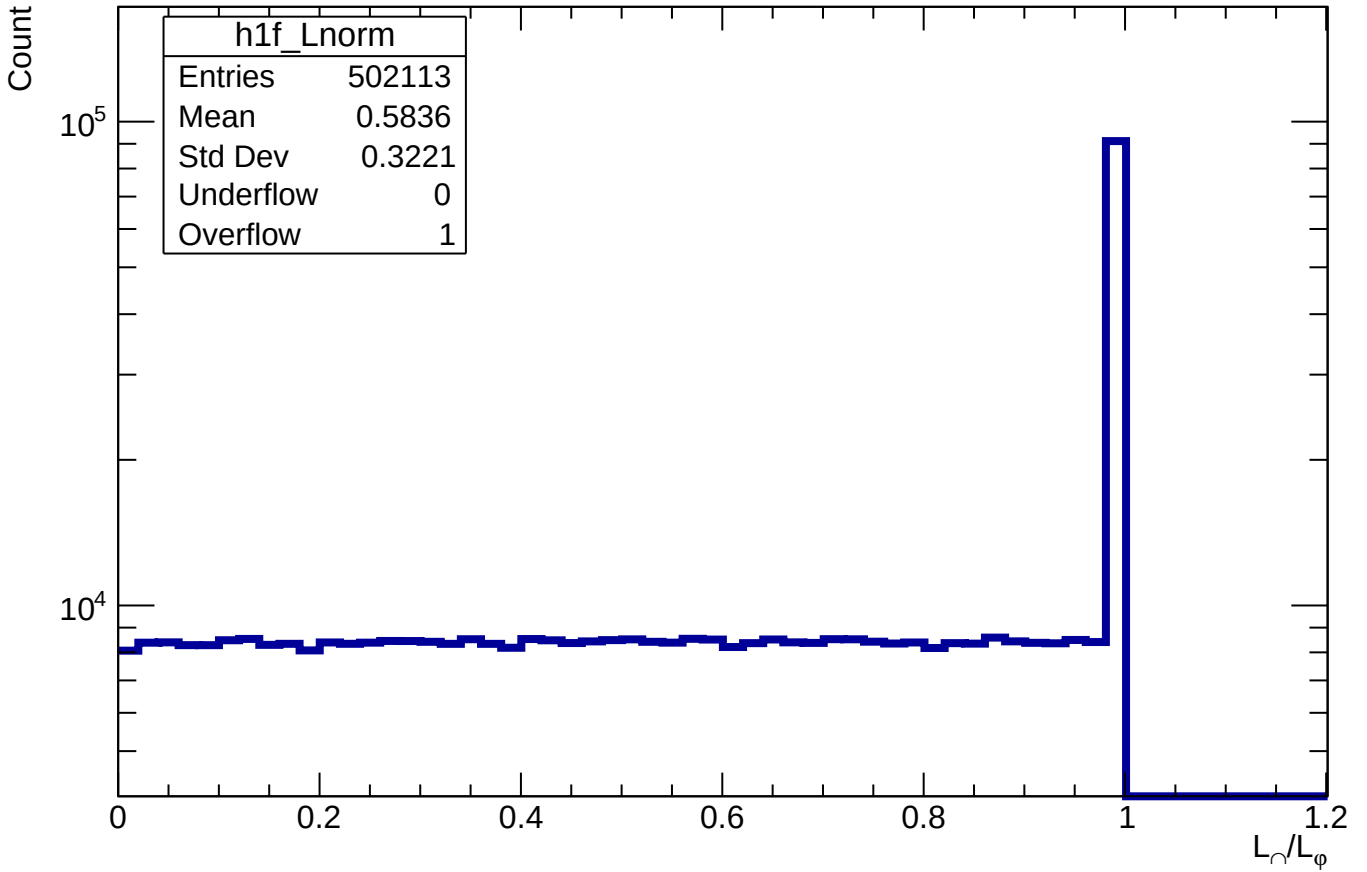

T_{max} of crossed pads
h1f_Tcross
Entries 440173
Mean 342.1
Std Dev 2.869
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

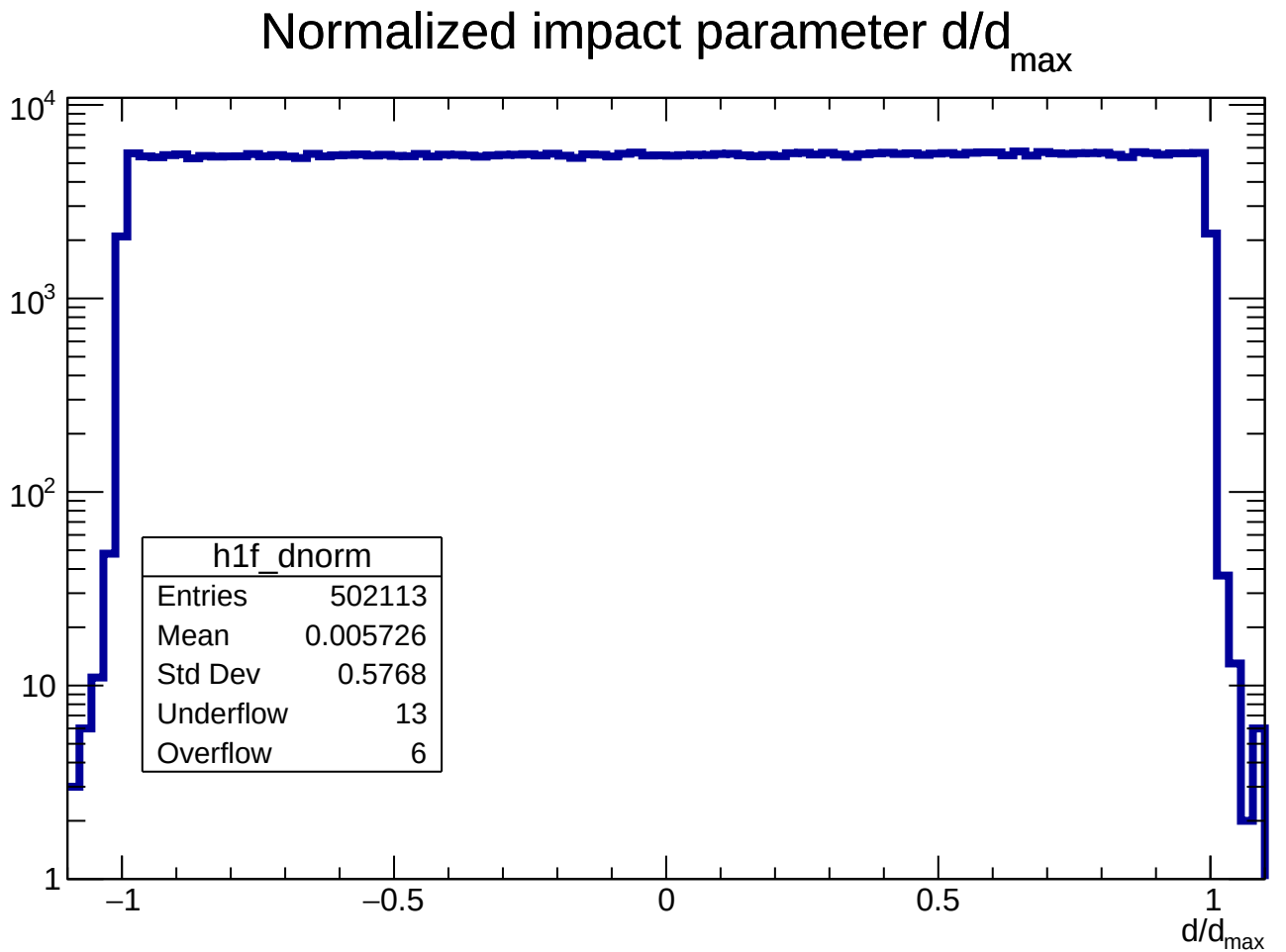

Number of crossed pads
h1f_Ncross
Entries 9294
Mean 47.36
Std Dev 2.347
Underflow 0
Overflow 0
Count
0
200
400
600
800
1000
1200
1400
15
20
25
30
35
40
45
50
55
60
# of crossed pads

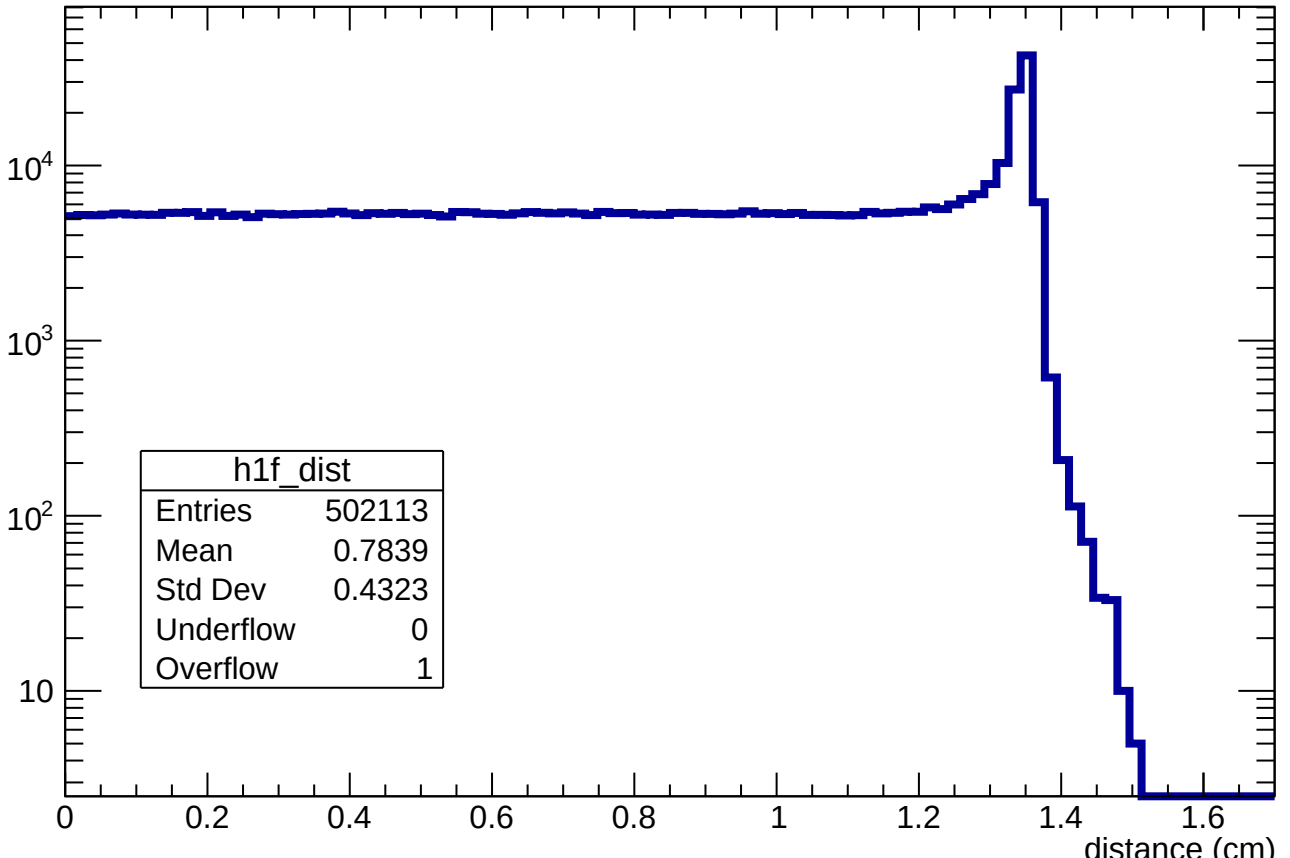

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 9294
Mean 3.464
Std Dev 17.69
Underflow 1
Overflow 0
Count
0
100
200
300
400
500
600
700
–150
–100
–50
0
50
100
150
difference (ADC count)

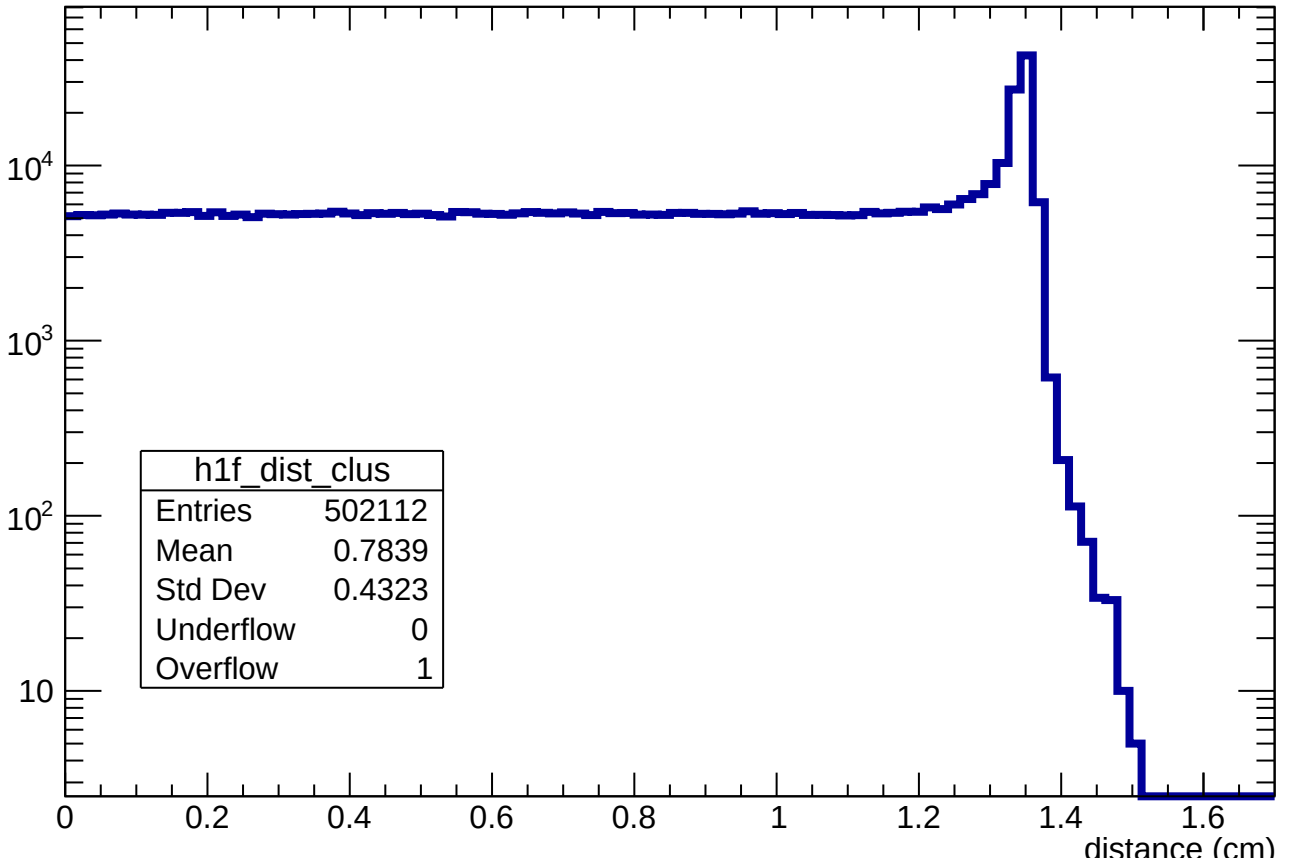

$Z_{file = 950mm} - Z_{computed}$
$\times 10^3$
Count
h1f_zdiff
Entries 440173
Mean 32.28
Std Dev 8.835
Underflow 0
Overflow 3
120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
difference (mm)

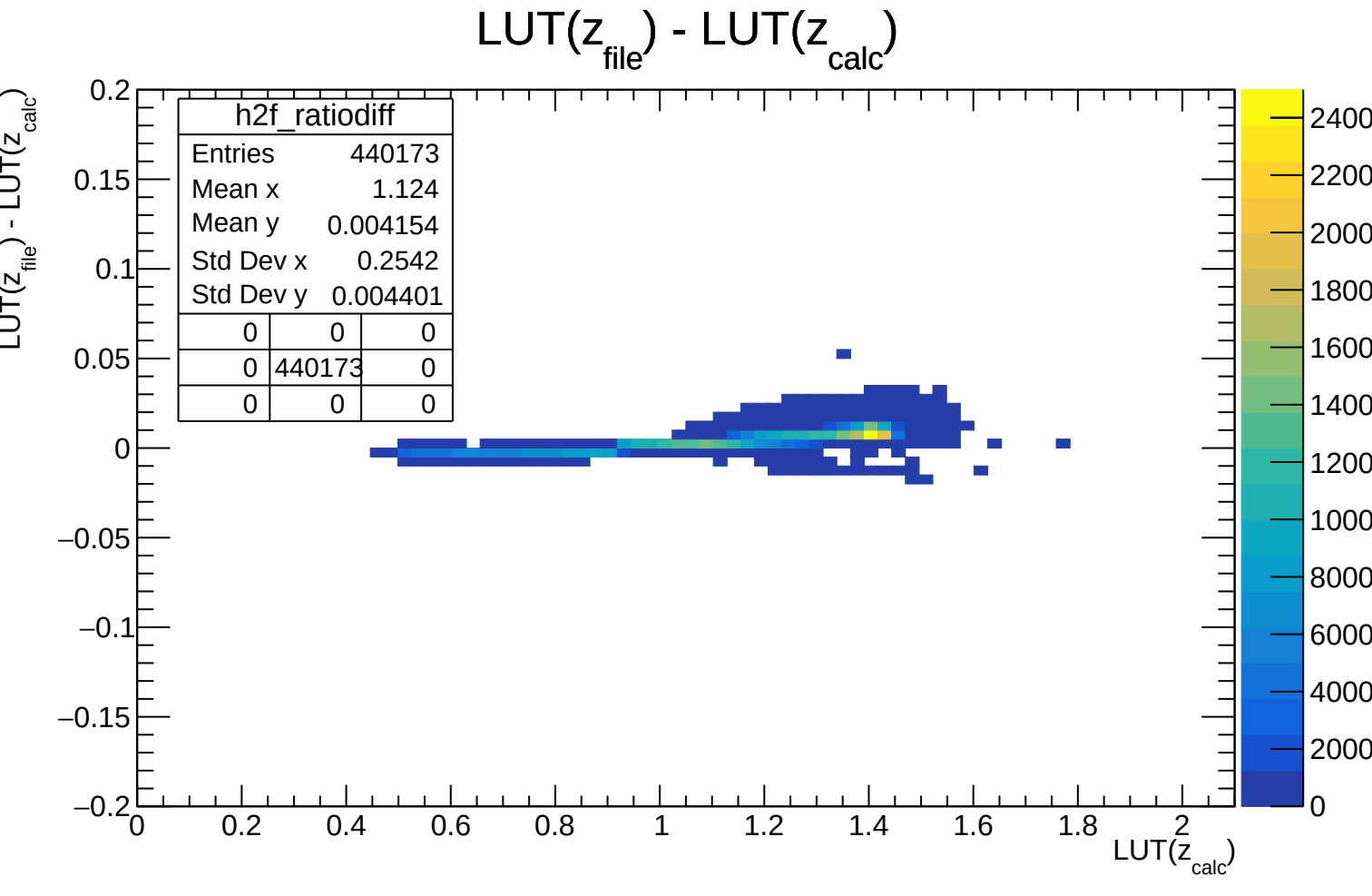

Angle φ in each pad
×10^3
Count
180
160
140
120
100
80
60
40
20
0
h1f_angle
Entries 440173
Mean −32.86
Std Dev 1.643
Underflow 0
Overflow 1
−50
−40
−30
−20
−10
0
10
φ (°)

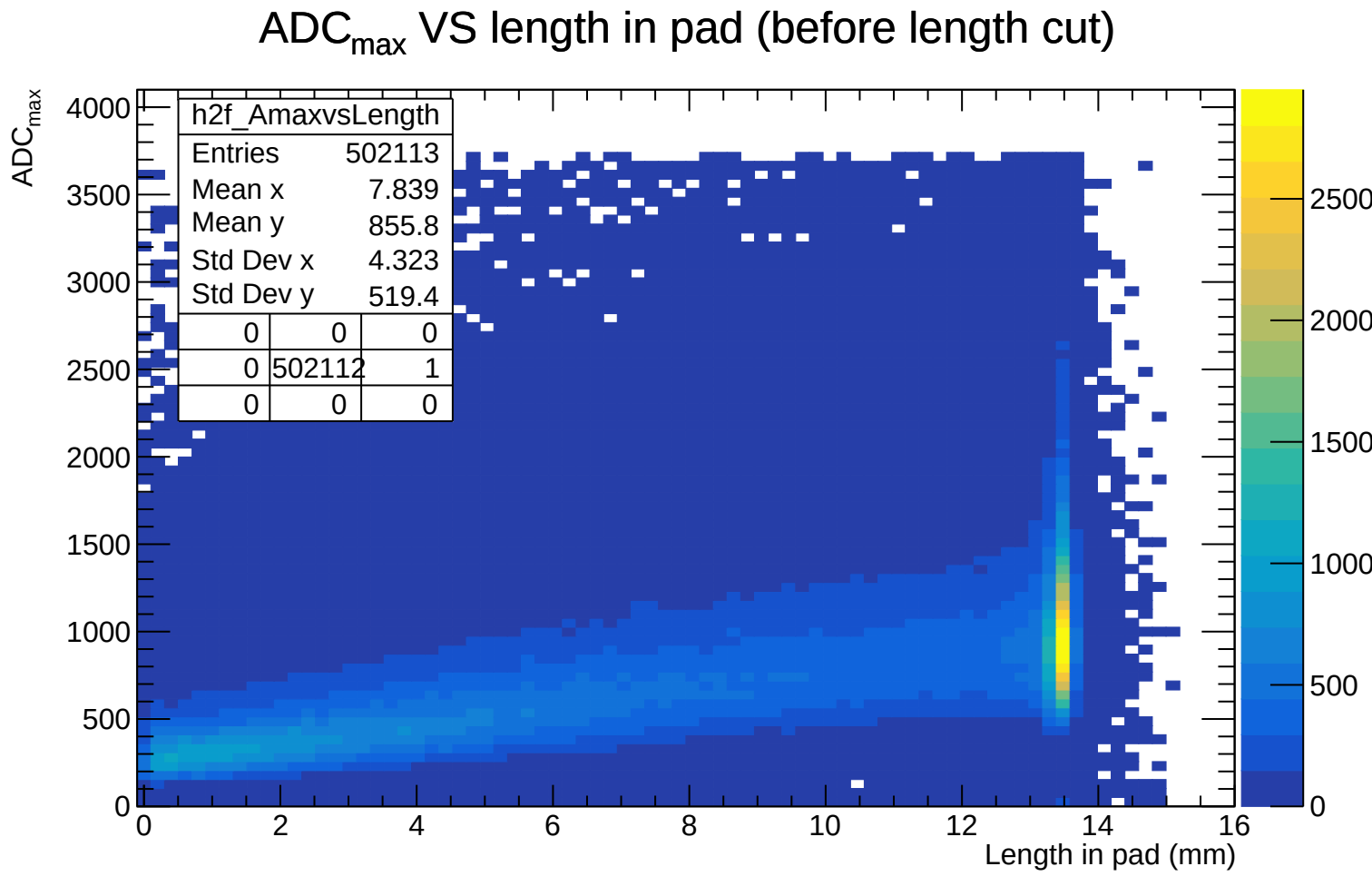

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 502113
Mean 0.5836
Std Dev 0.3221
Underflow 0
Overflow 1
Count
10^5
10^4
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

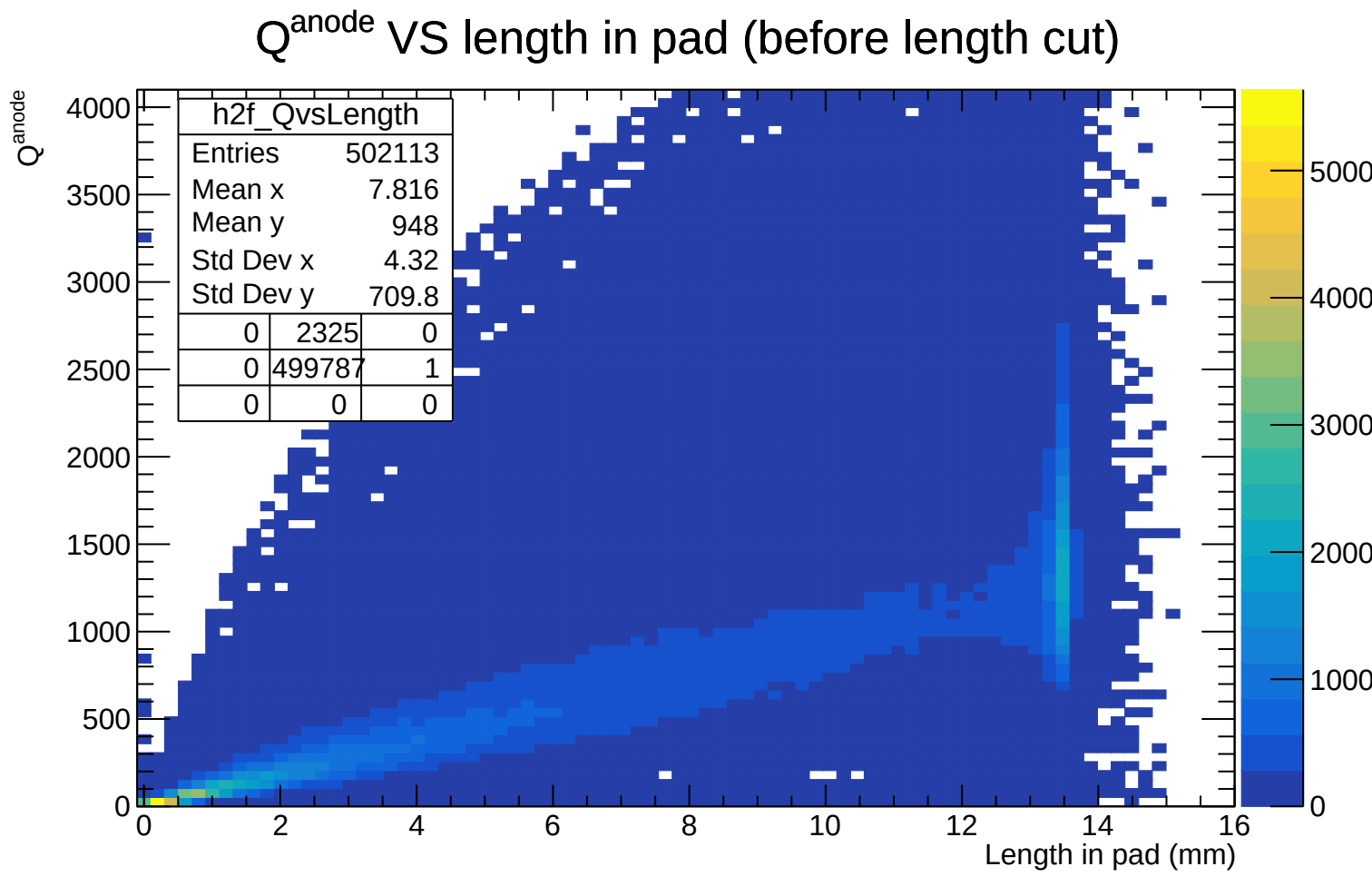

Normalized impact parameter d/d max
10^4
10^3
10^2
10
1
h1f_dnorm
Entries 502113
Mean 0.005726
Std Dev 0.5768
Underflow 13
Overflow 6
−1
−0.5
0
0.5
1
d/d max

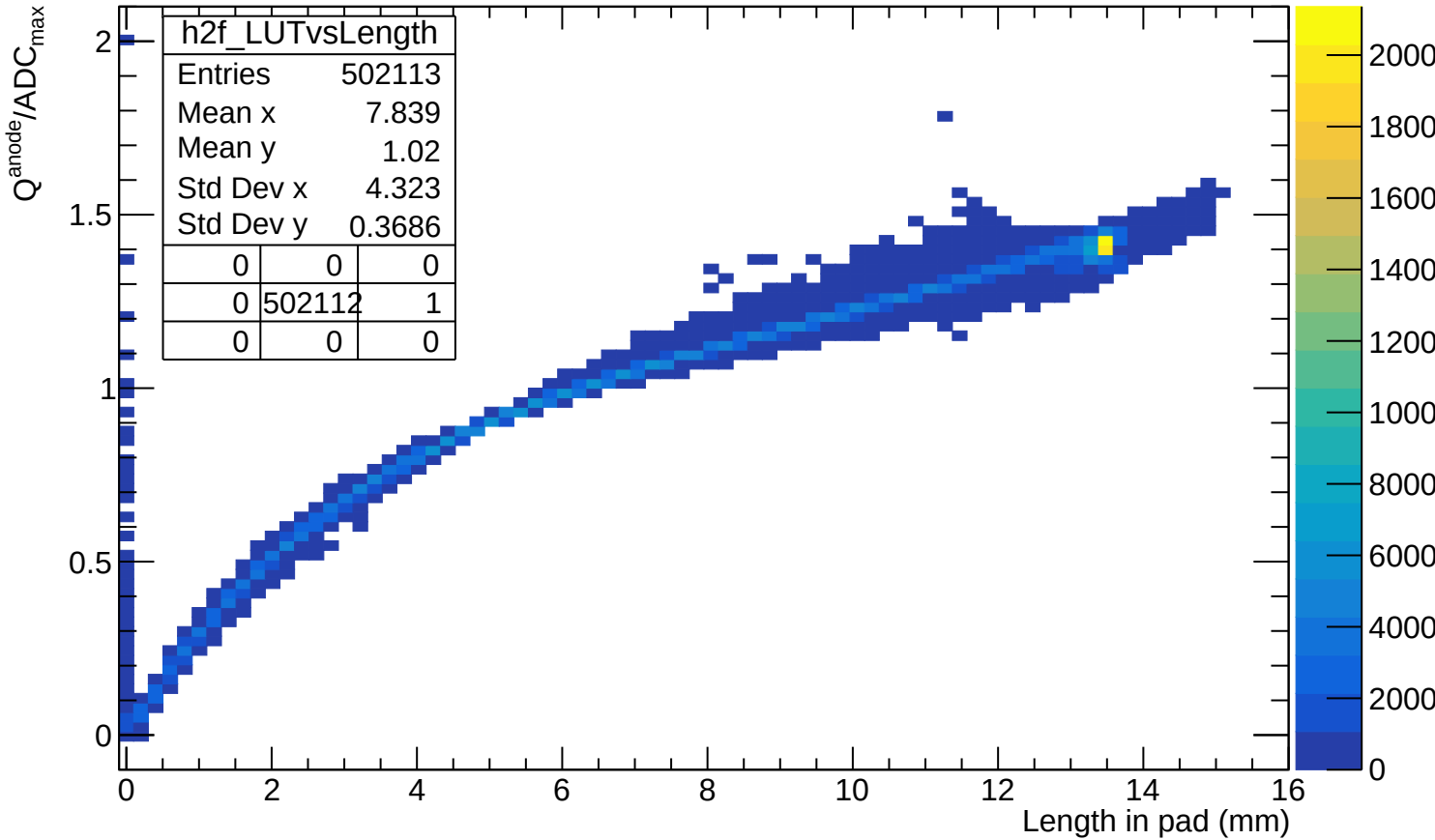

distance of track in pad
10^4
10^3
10^2
10
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)
h1f_dist
Entries 502113
Mean 0.7839
Std Dev 0.4323
Underflow 0
Overflow 1

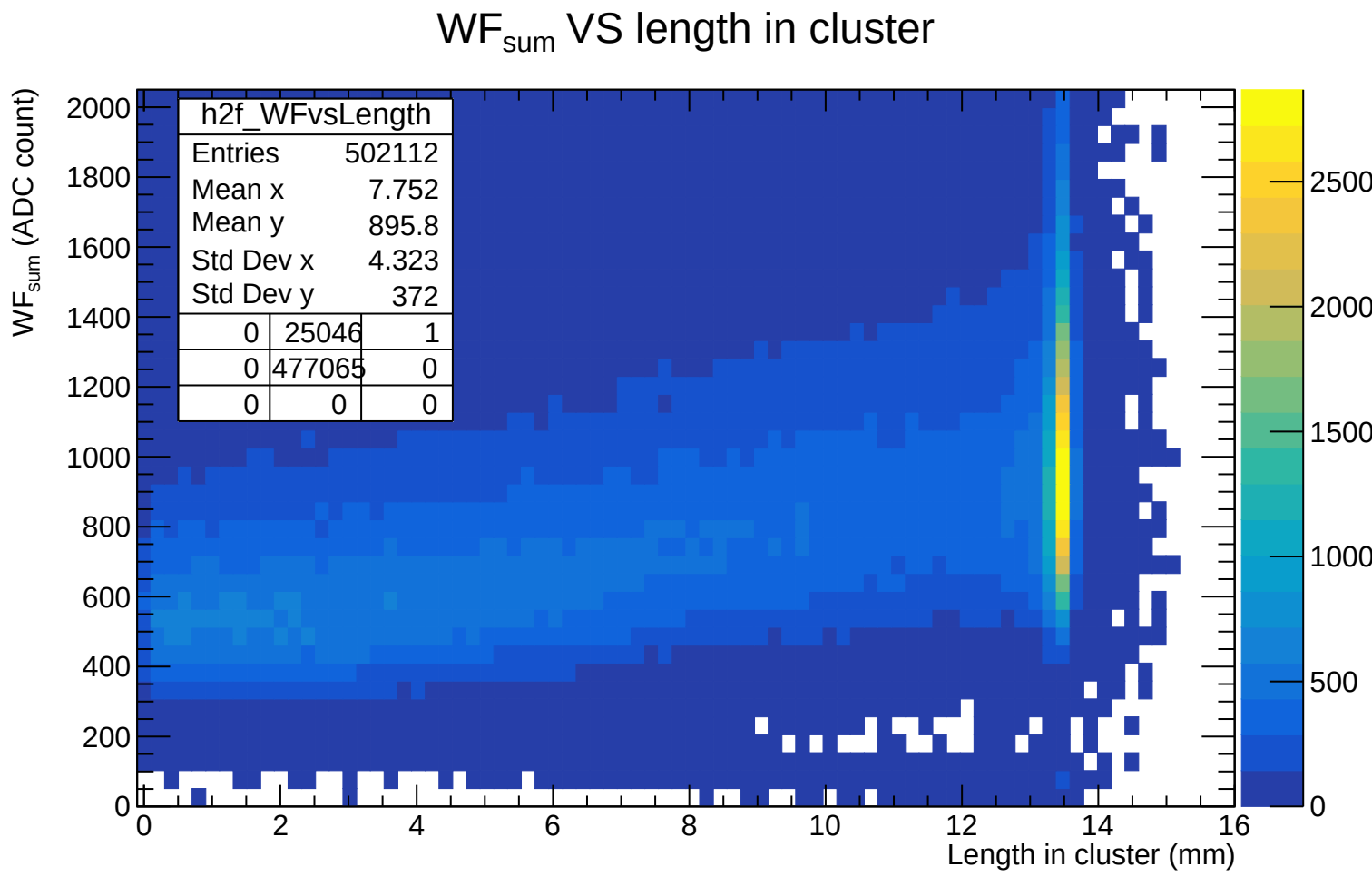

distance of track in cluster
h1f_dist_clus
Entries 502112
Mean 0.7839
Std Dev 0.4323
Underflow 0
Overflow 1
10^4
10^3
10^2
10
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

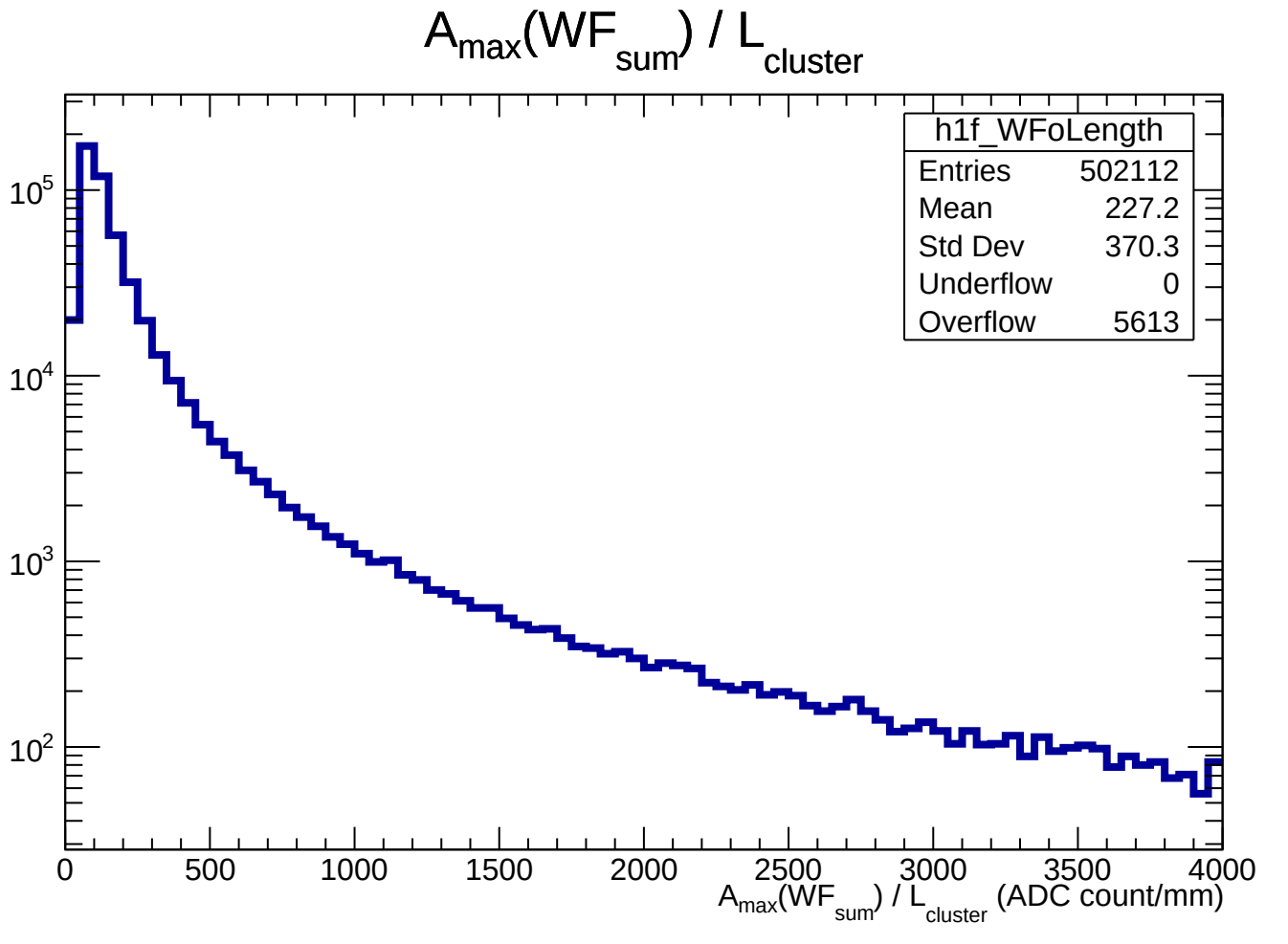

LUT(z_file) - LUT(z_calc)
h2f_ratiodiff
Entries 440173
Mean x 1.124
Mean y 0.004154
Std Dev x 0.2542
Std Dev y 0.004401
0 0 0
0 440173 0
0 0 0
LUT(z_file) - LUT(z_calc)
LUT(z_calc)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2400
2200
2000
1800
1600
1400
1200
1000
8000
6000
4000
2000
0

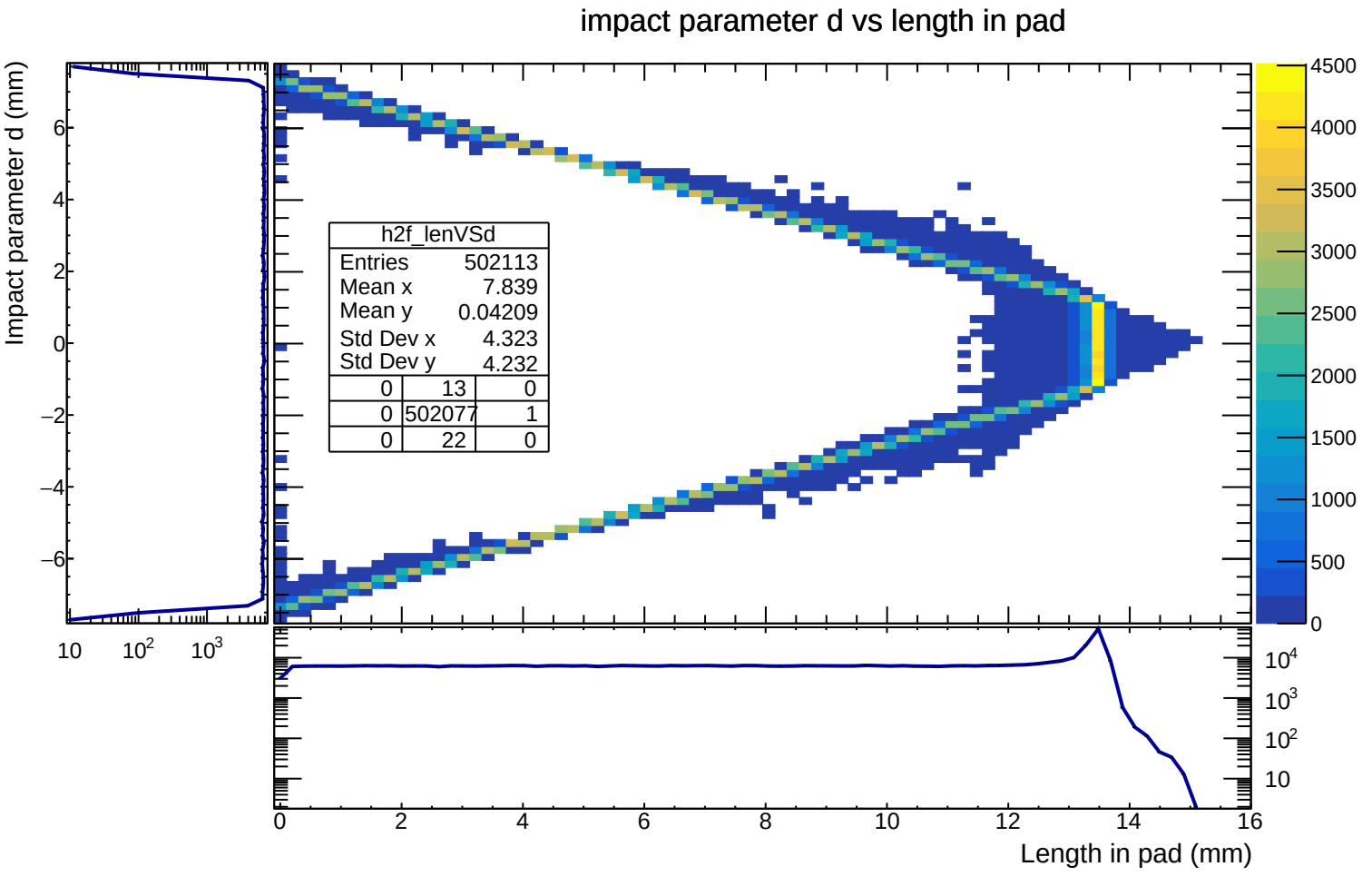

ADC$_{max}$ VS length in pad (before length cut)
ADC$_{max}$
Length in pad (mm)
h2f_AmaxvsLength
Entries 502113
Mean x 7.839
Mean y 855.8
Std Dev x 4.323
Std Dev y 519.4
0 0 0
0 502112 1
0 0 0
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
500
1000
1500
2000
2500


Q^anode VS length in pad (before length cut)
Q^anode
h2f_QvsLength
Entries 502113
Mean x 7.816
Mean y 948
Std Dev x 4.32
Std Dev y 709.8
0 2325 0
0 499787 1
0 0 0
4000
3500
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
Length in pad (mm)
5000
4000
3000
2000
1000
0


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 502113
Mean x 7.839
Mean y 1.02
Std Dev x 4.323
Std Dev y 0.3686
0 0 0
0 502112 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
2000
4000
6000
8000
1000
1200
1400
1600
1800
2000


WF$_{sum}$ VS length in cluster
h2f_WFvsLength
Entries 502112
Mean x 7.752
Mean y 895.8
Std Dev x 4.323
Std Dev y 372
0 25046 1
0 477065 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
500
1000
1500
2000
2500


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 502112
Mean 227.2
Std Dev 370.3
Underflow 0
Overflow 5613
10^5
10^4
10^3
10^2
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 502113
Mean x 7.839
Mean y 0.04209
Std Dev x 4.323
Std Dev y 4.232
0 13 0
0 502077 1
0 22 0