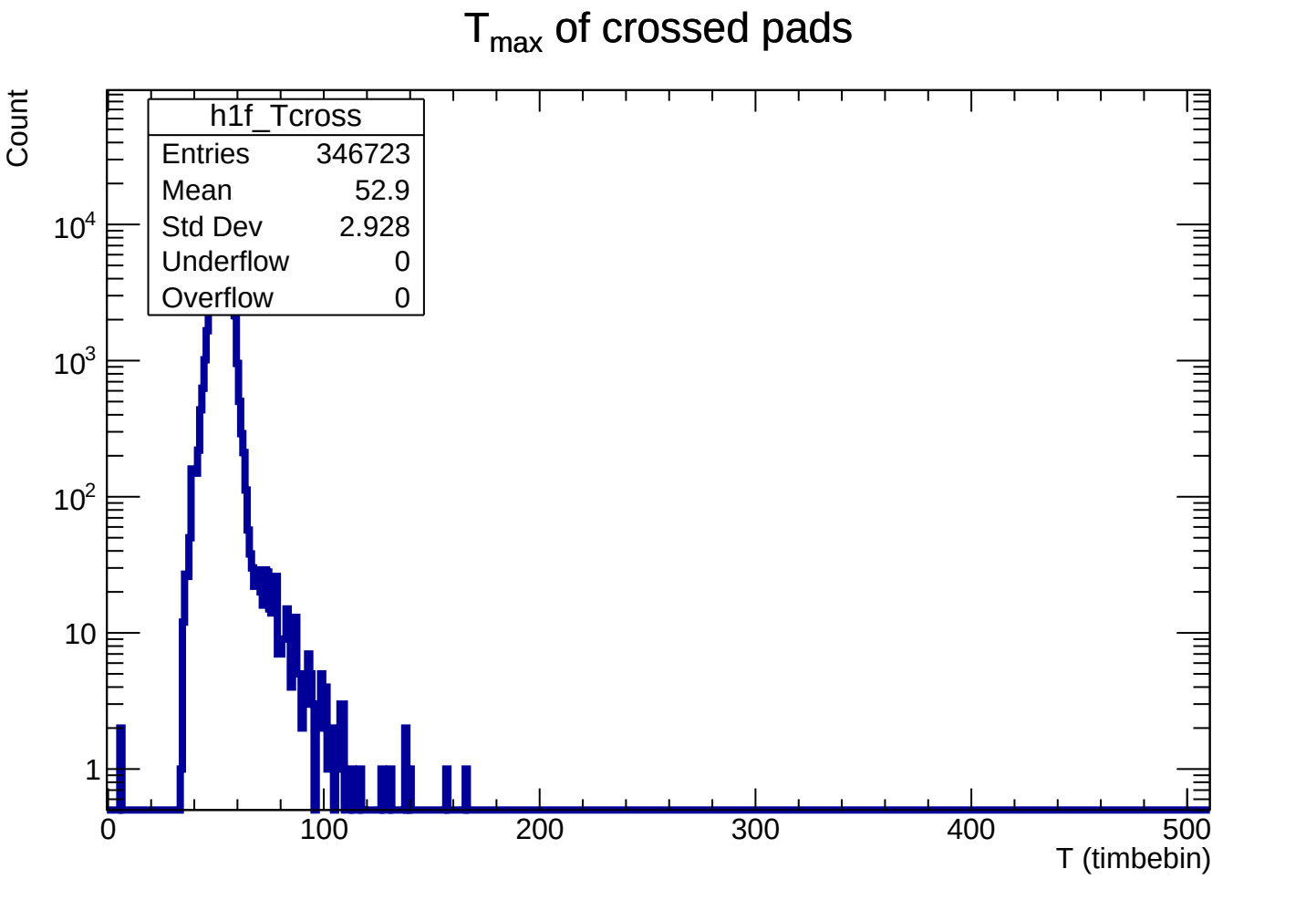
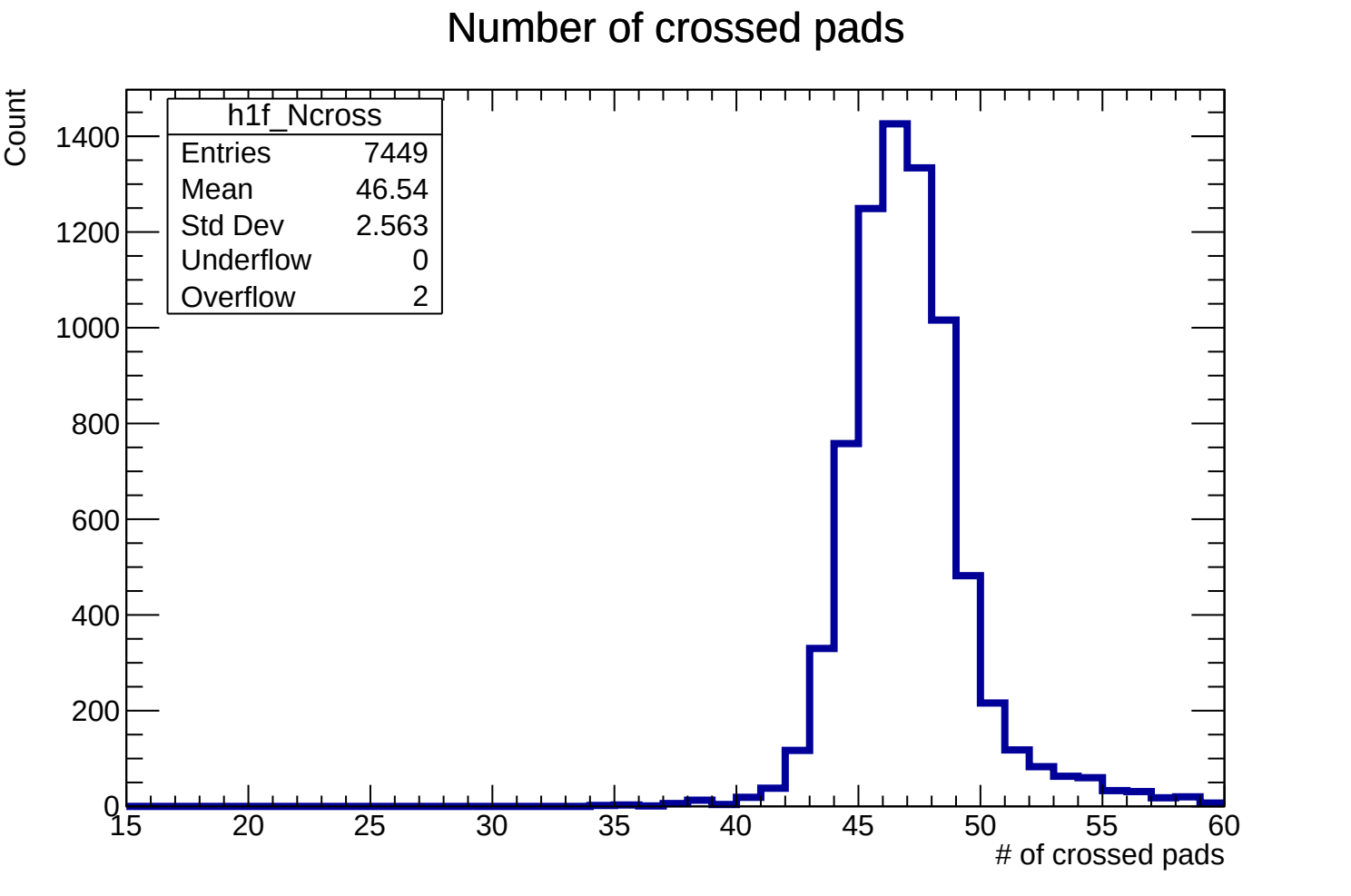
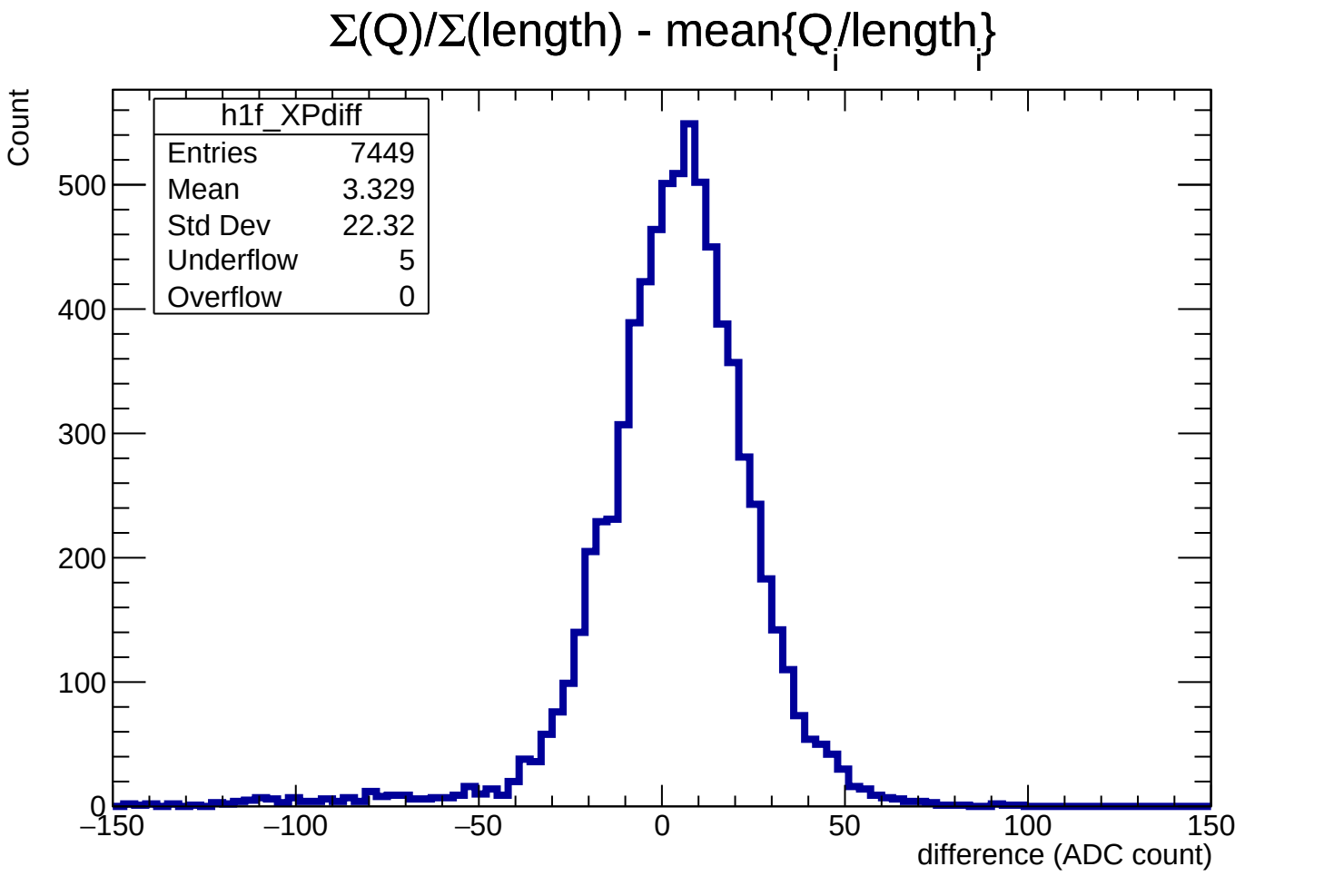
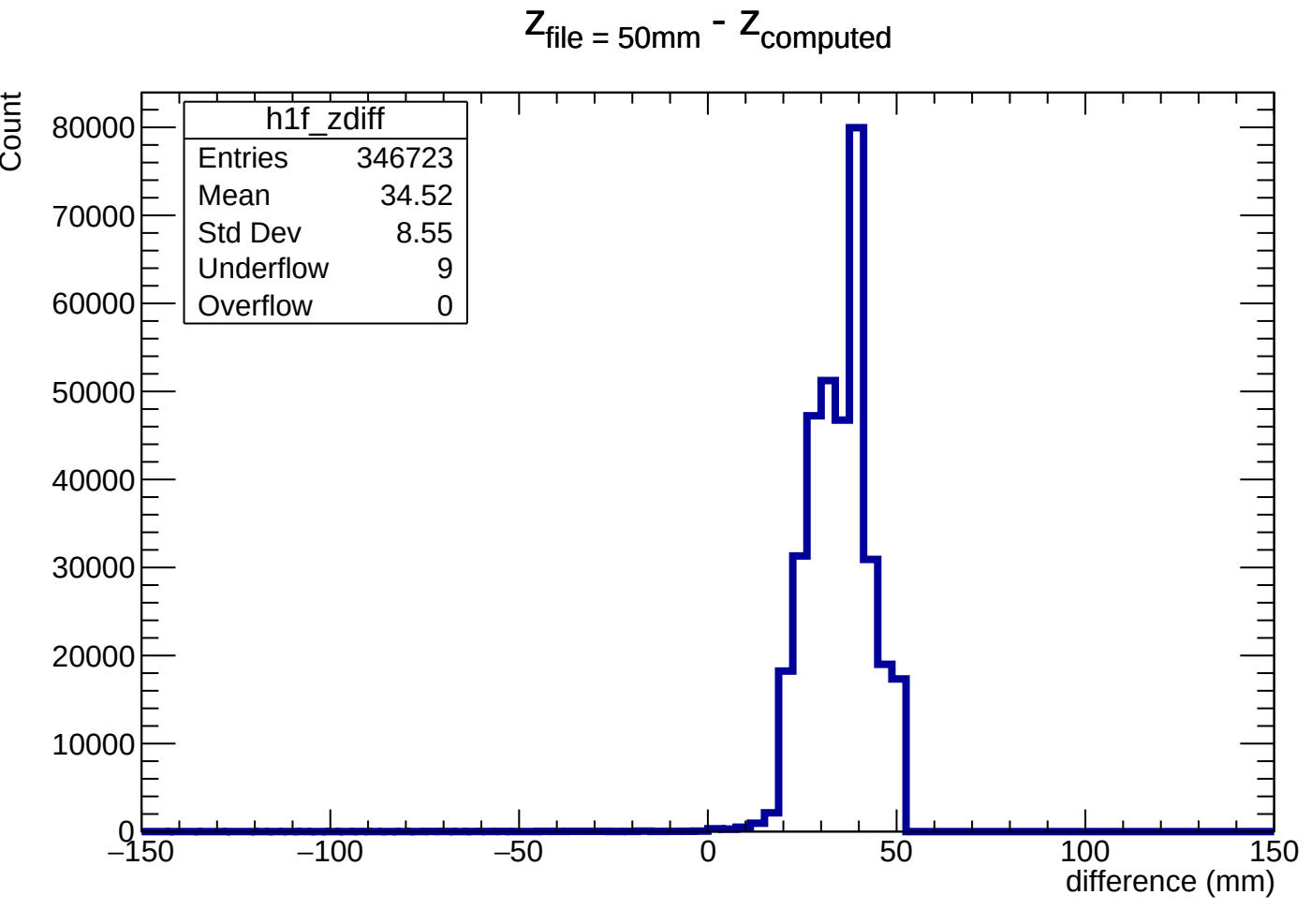
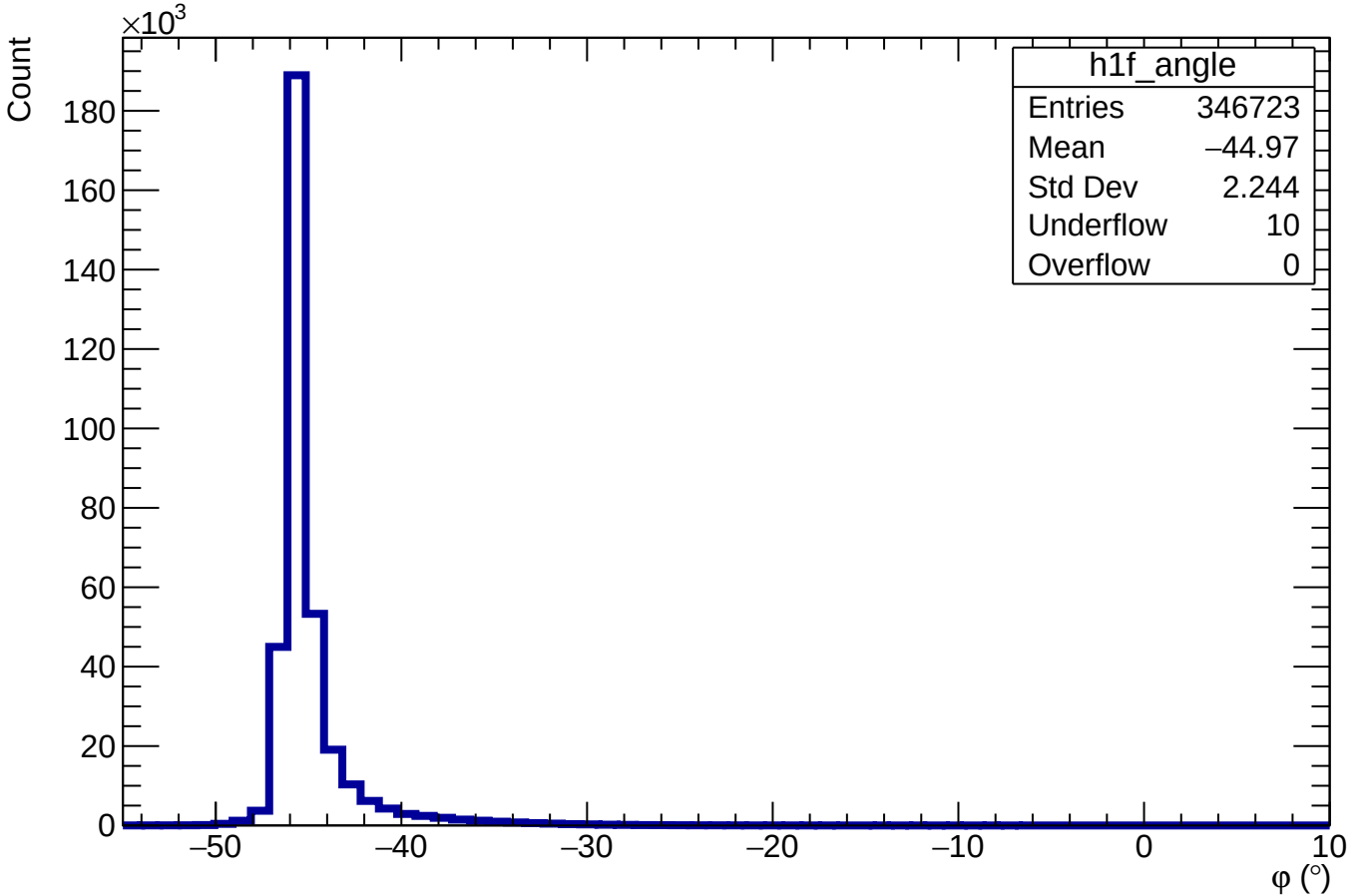
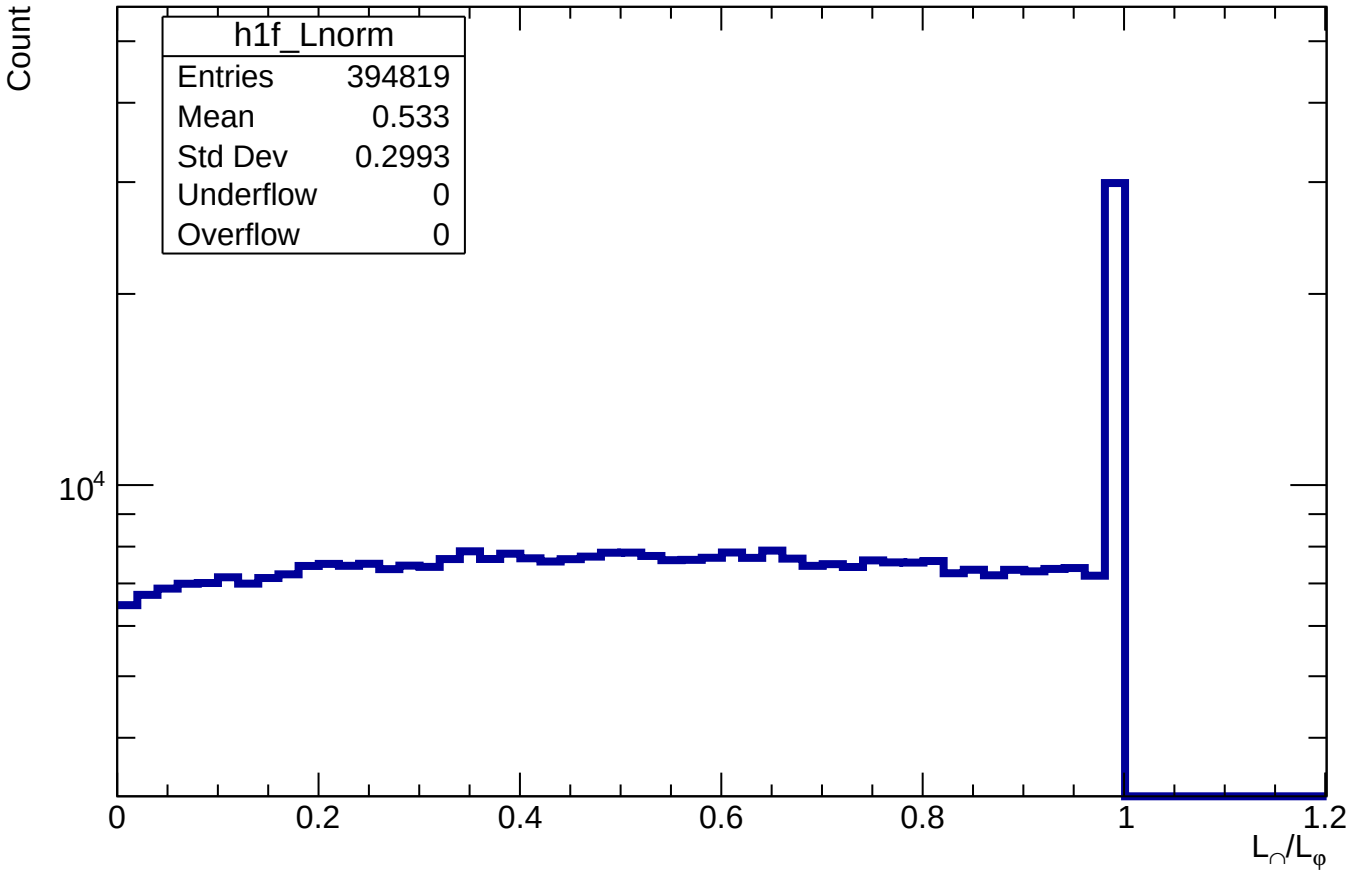

T_{max} of crossed pads
h1f_Tcross
Entries 346723
Mean 52.9
Std Dev 2.928
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

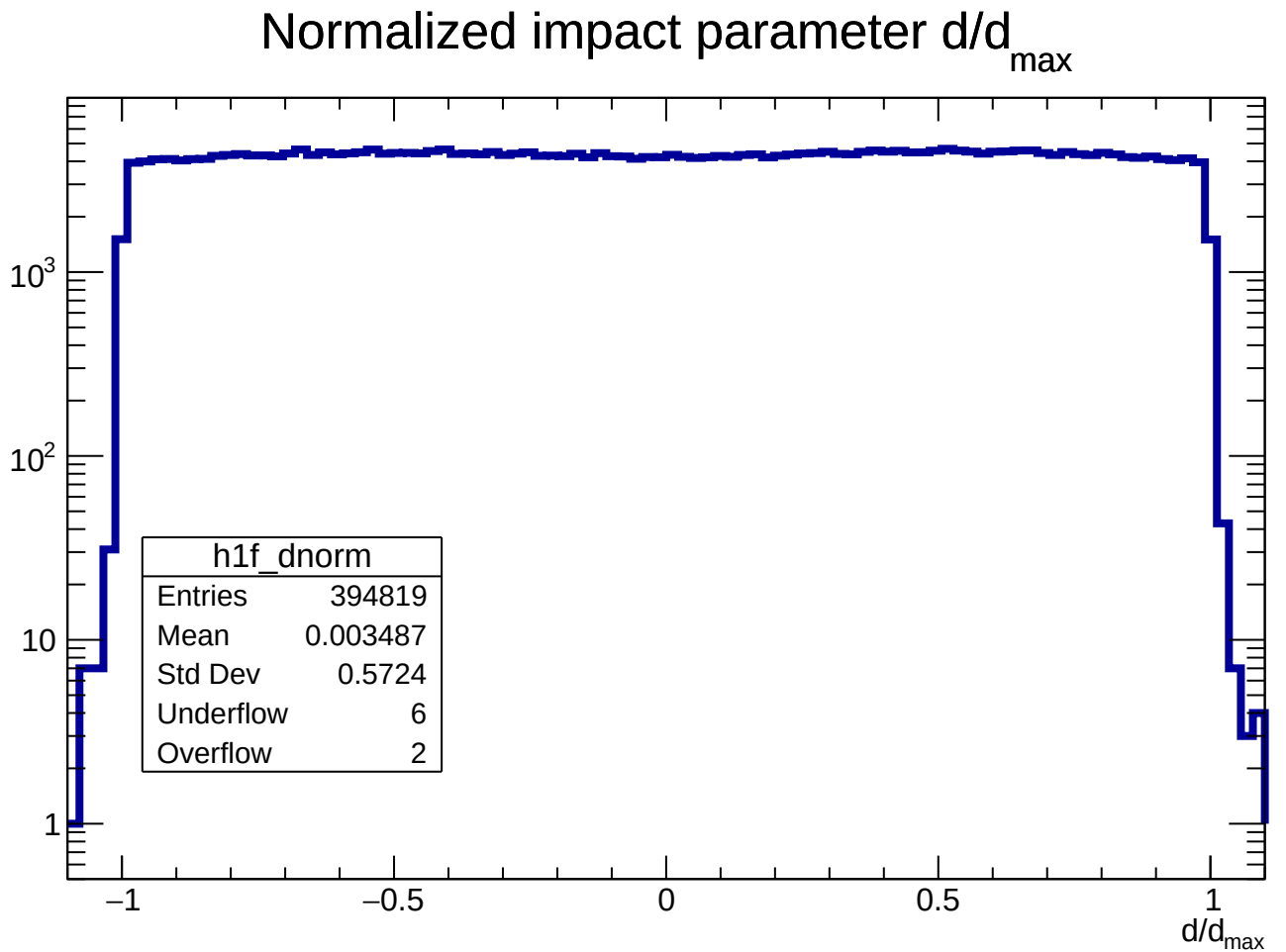

Number of crossed pads
h1f_Ncross
Entries 7449
Mean 46.54
Std Dev 2.563
Underflow 0
Overflow 2
Count
0
200
400
600
800
1000
1200
1400
15
20
25
30
35
40
45
50
55
60
# of crossed pads

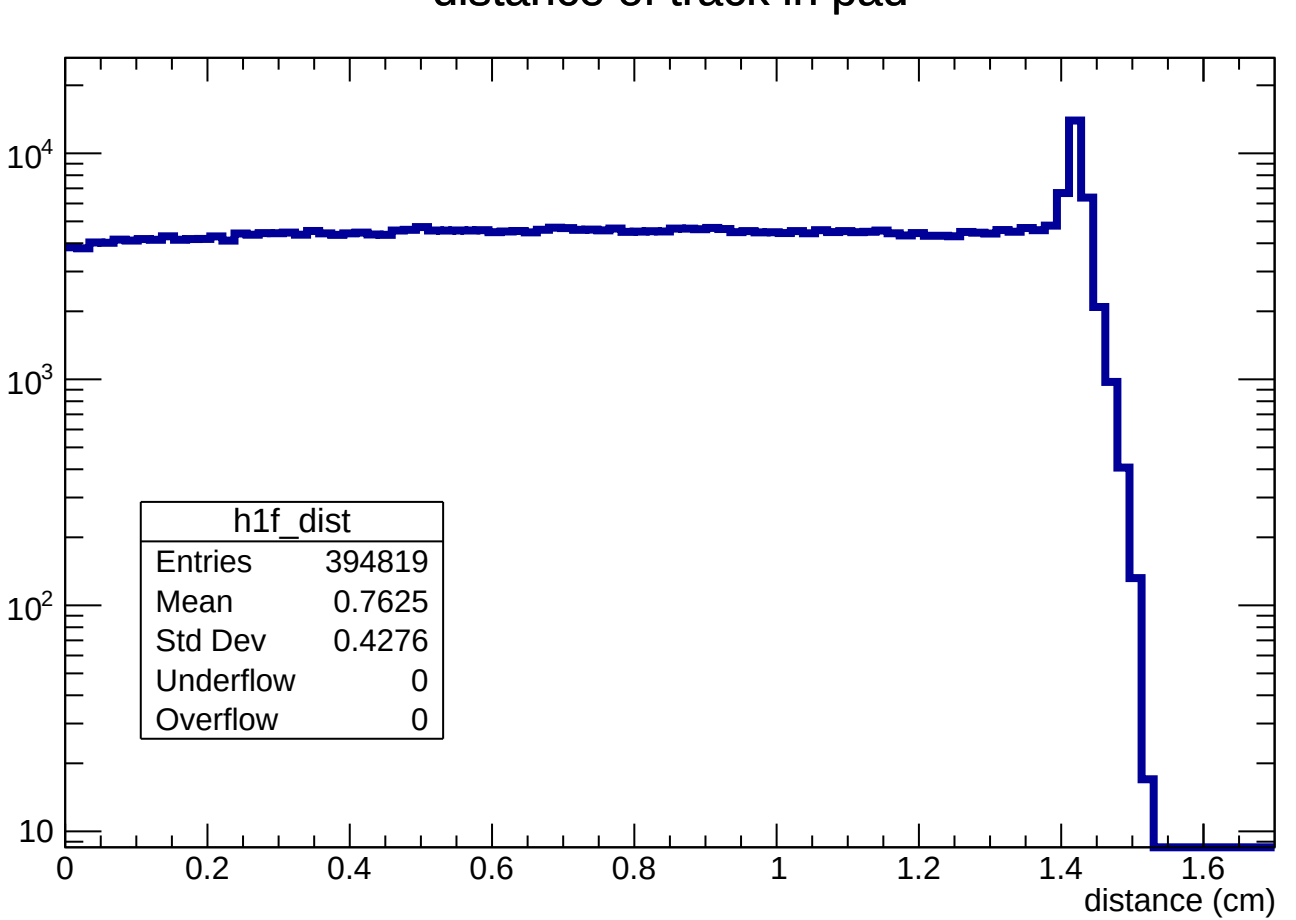

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 7449
Mean 3.329
Std Dev 22.32
Underflow 5
Overflow 0
Count
0
100
200
300
400
500
−150
−100
−50
0
50
100
150
difference (ADC count)

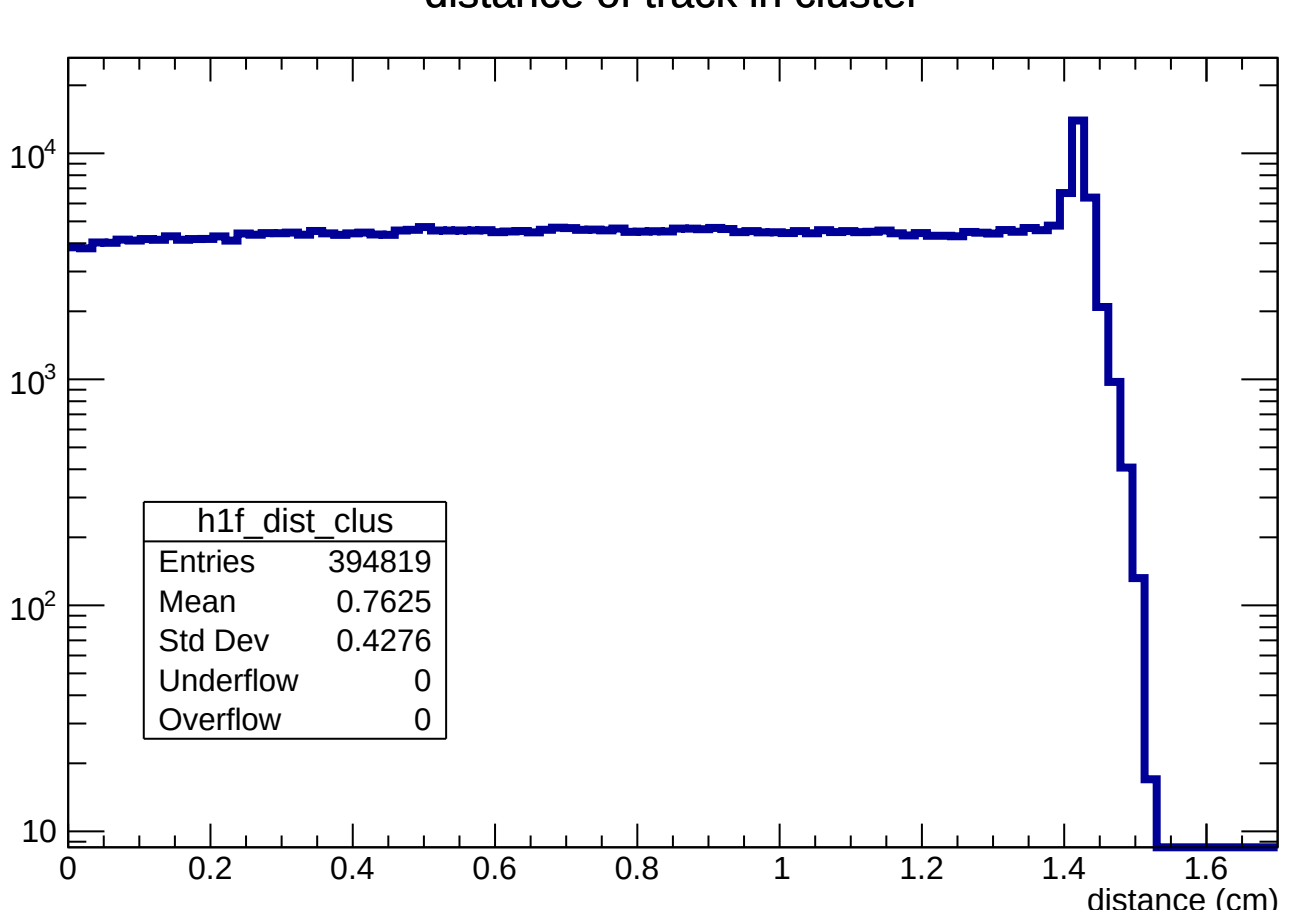

$Z_{file = 50mm} - Z_{computed}$
h1f_zdiff
Entries 346723
Mean 34.52
Std Dev 8.55
Underflow 9
Overflow 0
Count
80000
70000
60000
50000
40000
30000
20000
10000
0
–150
–100
–50
0
50
100
150
difference (mm)

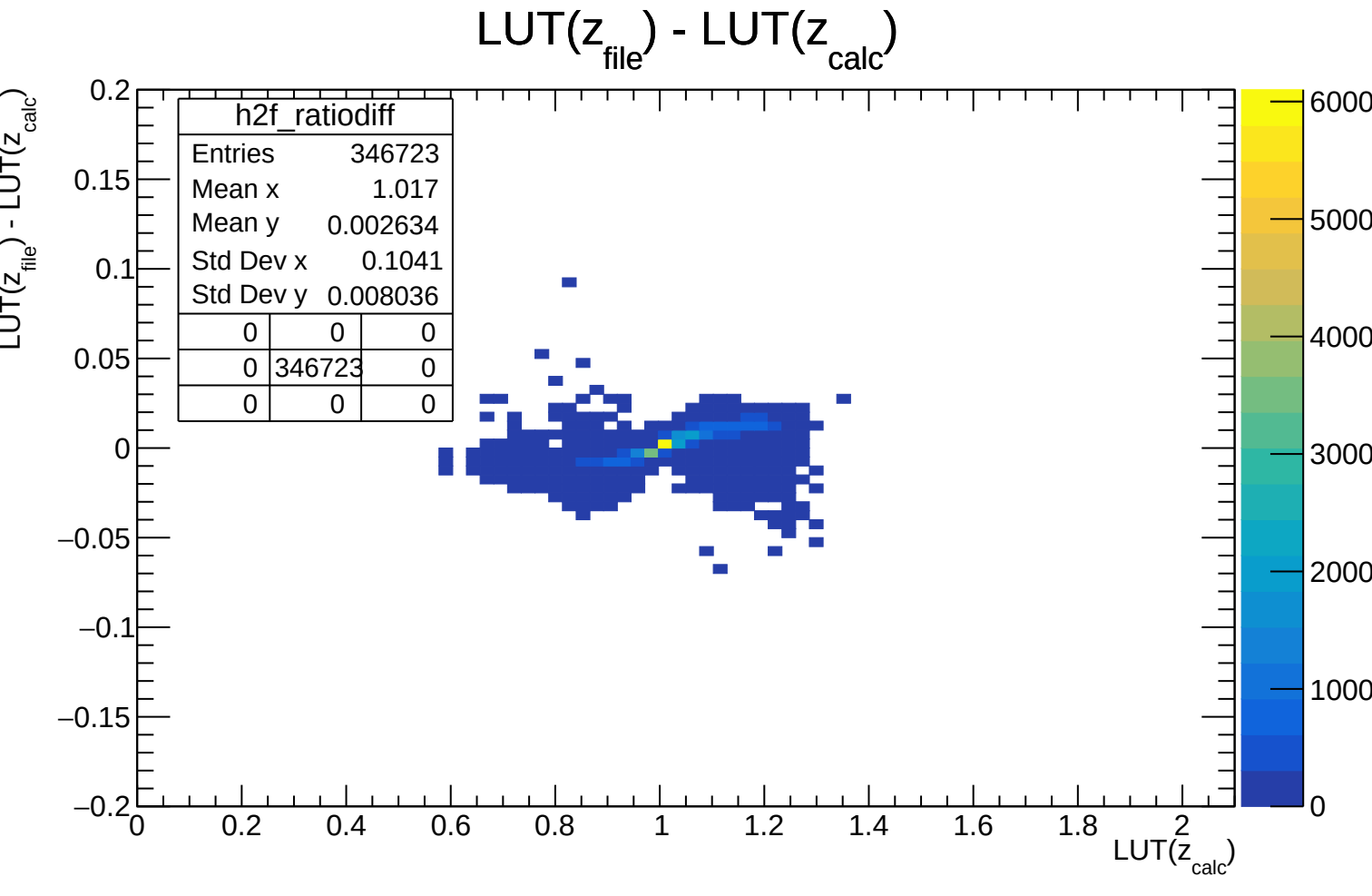

Angle φ in each pad
×10^3
Count
180
160
140
120
100
80
60
40
20
0
h1f_angle
Entries 346723
Mean –44.97
Std Dev 2.244
Underflow 10
Overflow 0
–50
–40
–30
–20
–10
0
10
φ (°)

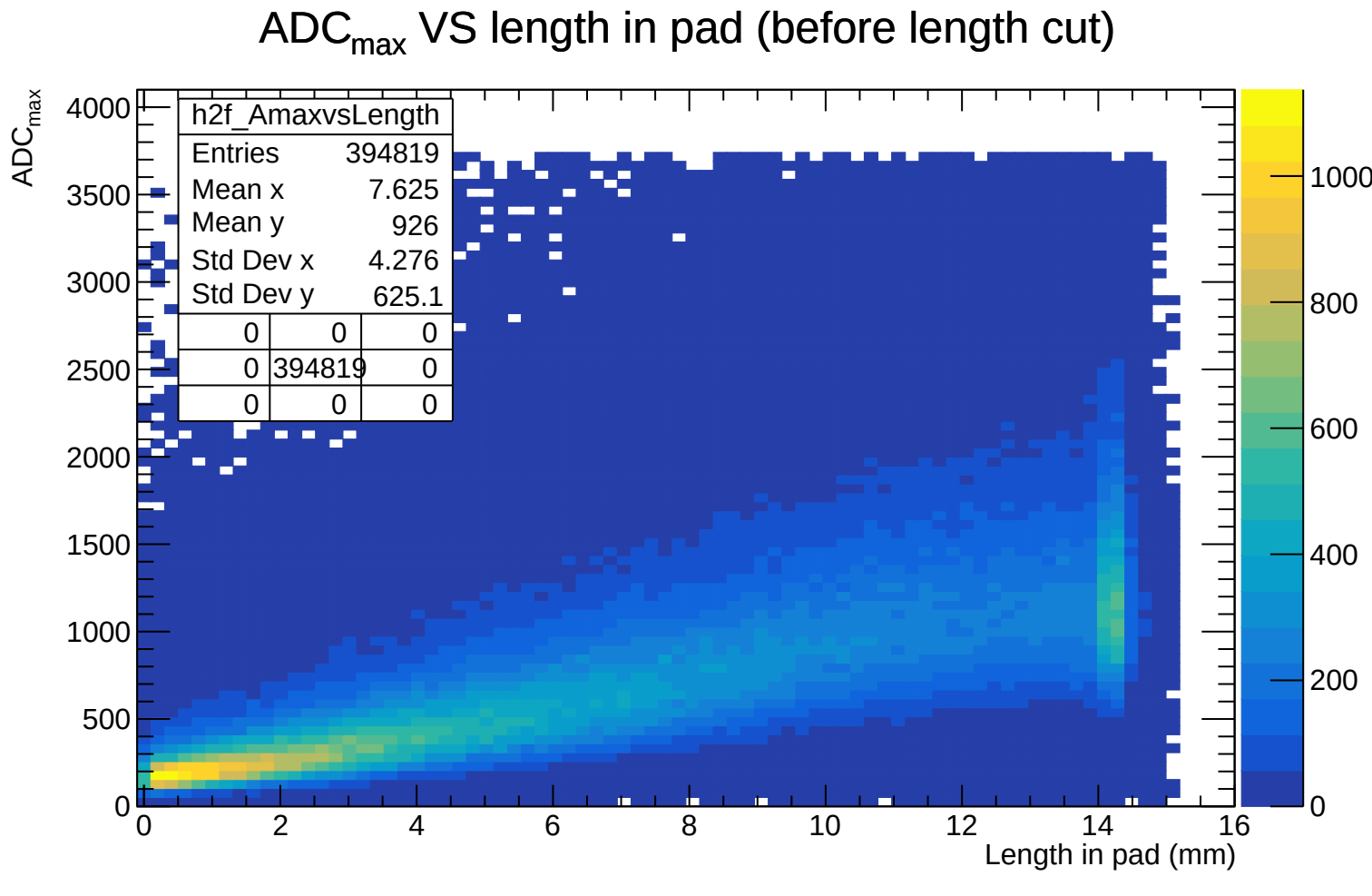

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 394819
Mean 0.533
Std Dev 0.2993
Underflow 0
Overflow 0
Count
10^4
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

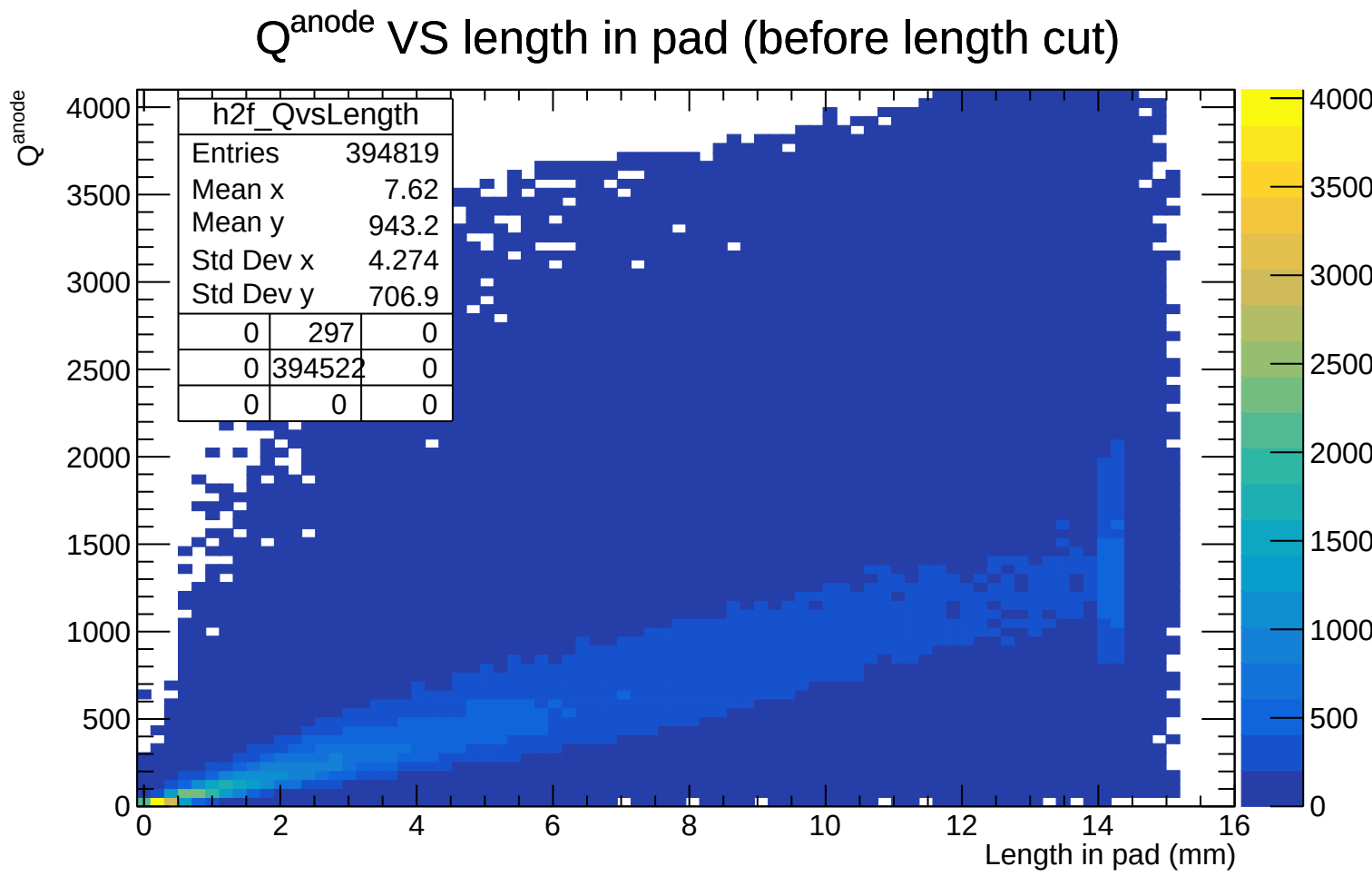

Normalized impact parameter d/d max
10 3
10 2
10
1
h1f_dnorm
Entries 394819
Mean 0.003487
Std Dev 0.5724
Underflow 6
Overflow 2
–1
–0.5
0
0.5
1
d/d max

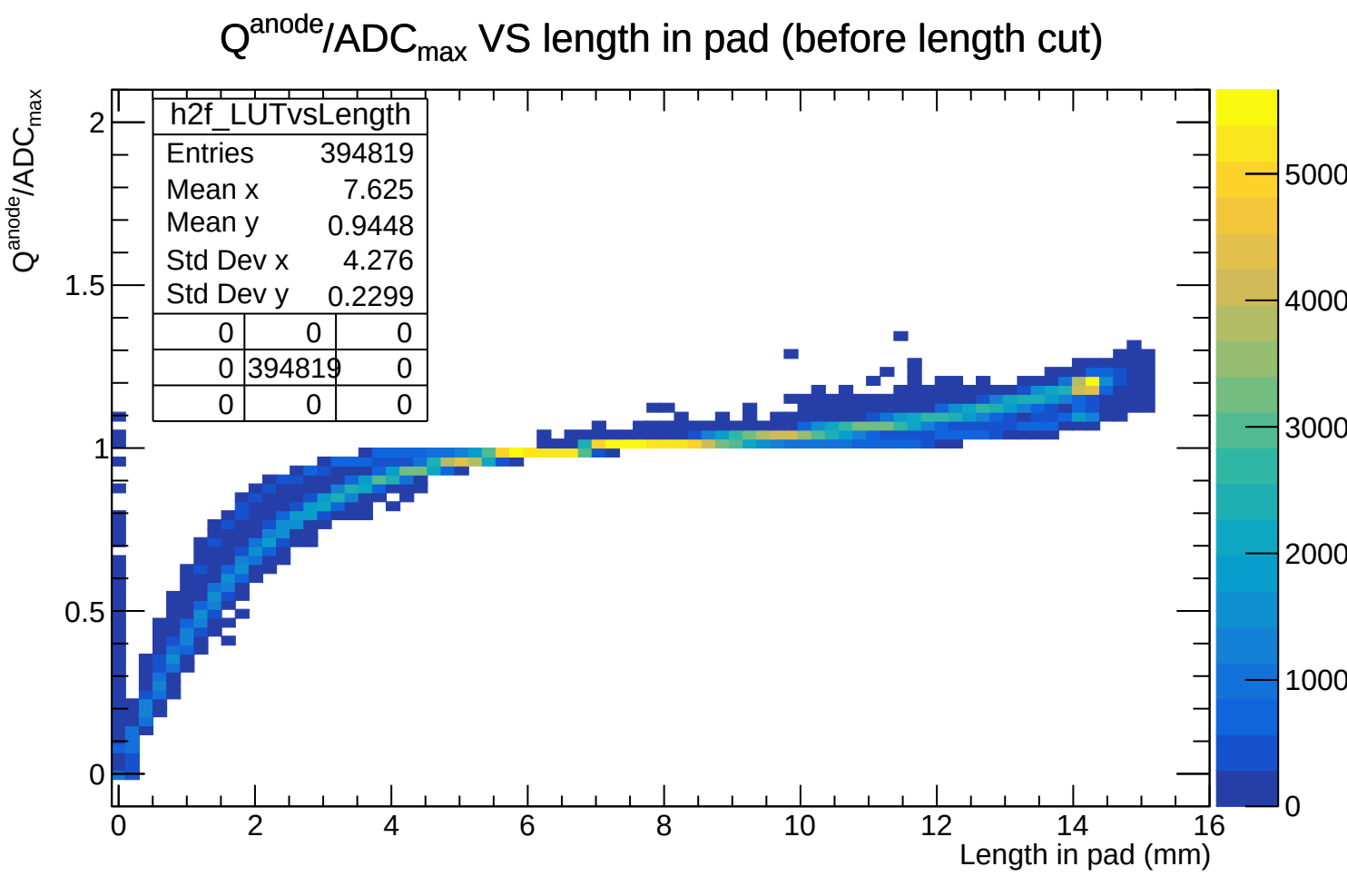

distance of track in pad
10^4
10^3
10^2
10
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)
h1f_dist
Entries 394819
Mean 0.7625
Std Dev 0.4276
Underflow 0
Overflow 0

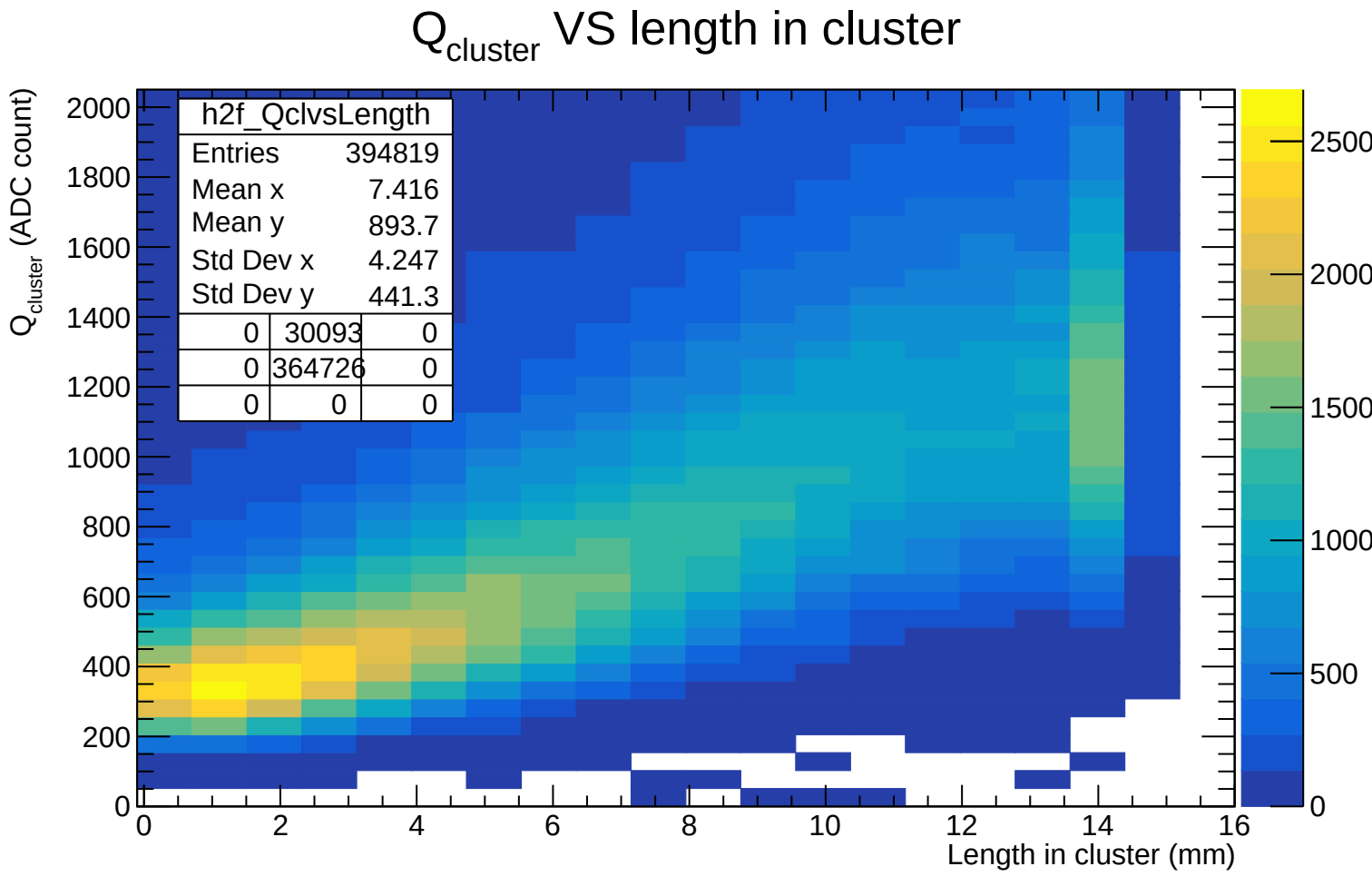

distance of track in cluster
10^4
10^3
10^2
10
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)
h1f_dist_clus
Entries 394819
Mean 0.7625
Std Dev 0.4276
Underflow 0
Overflow 0

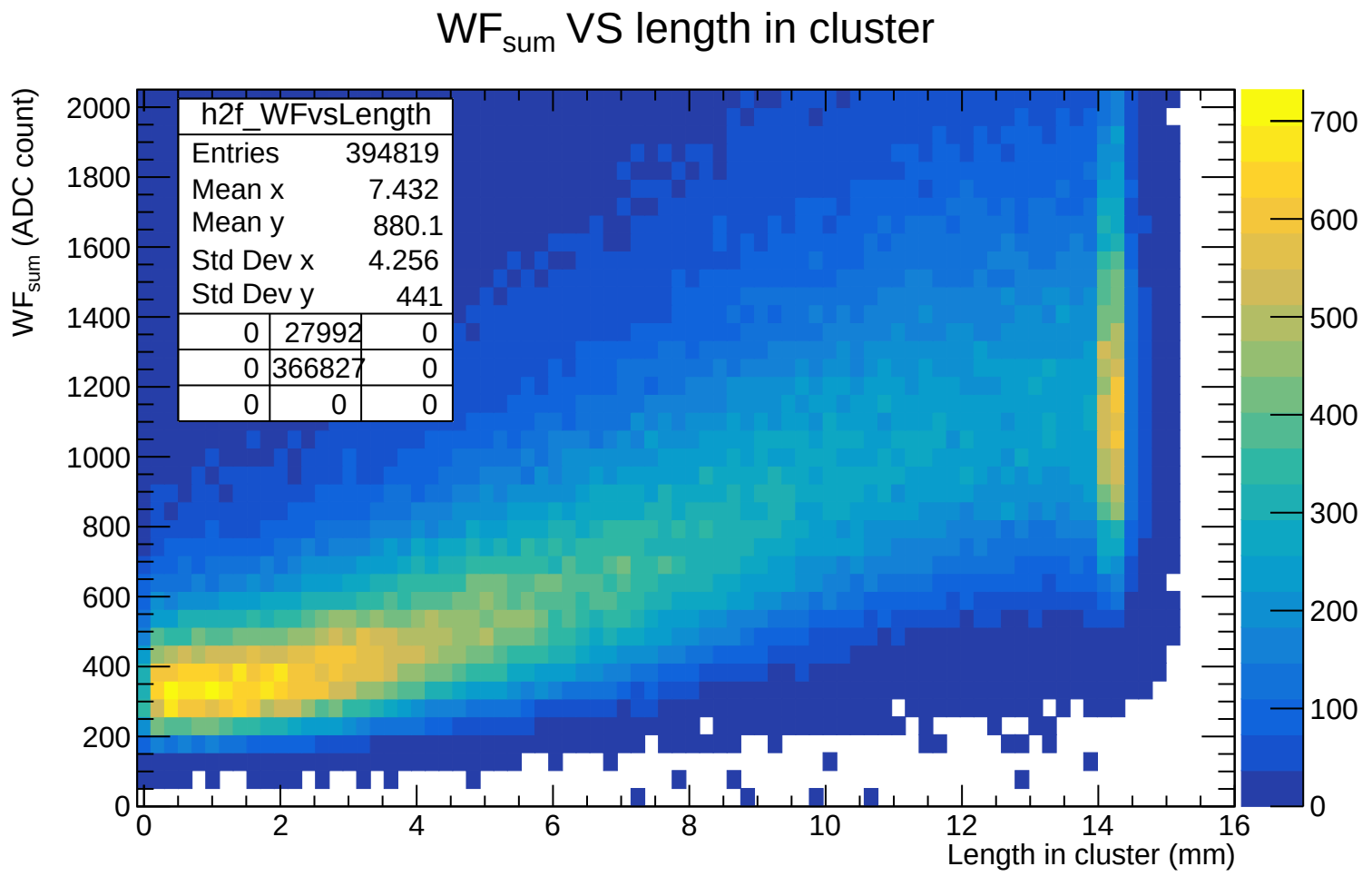

LUT(z_file) - LUT(z_calc)
h2f_ratiodiff
Entries 346723
Mean x 1.017
Mean y 0.002634
Std Dev x 0.1041
Std Dev y 0.008036
0 0 0
0 346723 0
0 0 0
LUT(z_file) - LUT(z_calc)
LUT(z_calc)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
6000
5000
4000
3000
2000
1000
0

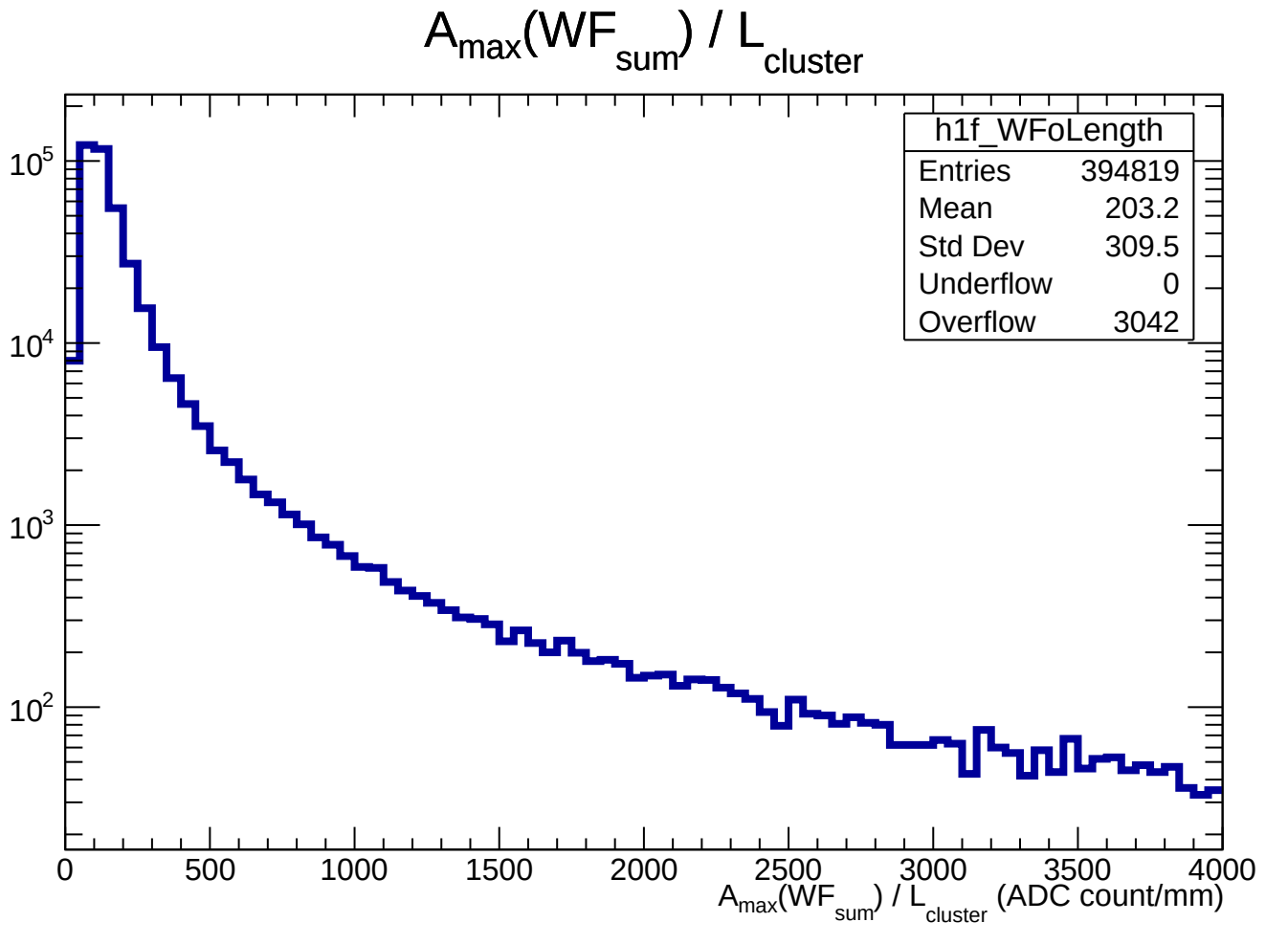

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 394819
Mean x 7.625
Mean y 926
Std Dev x 4.276
Std Dev y 625.1
0 0 0
0 394819 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
200
400
600
800
1000

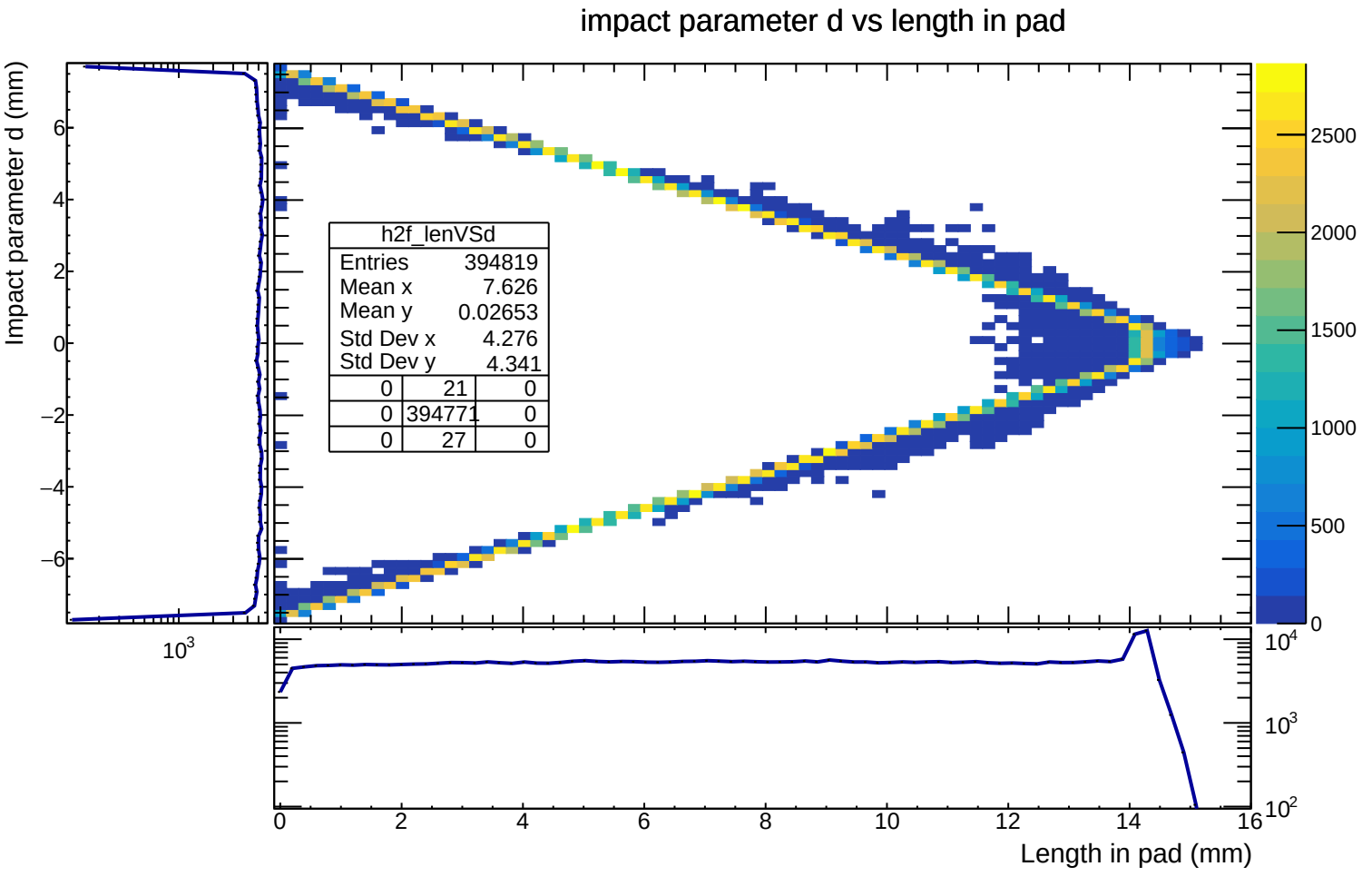

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 394819
Mean x 7.62
Mean y 943.2
Std Dev x 4.274
Std Dev y 706.9
0 297 0
0 394522 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 394819
Mean x 7.625
Mean y 0.9448
Std Dev x 4.276
Std Dev y 0.2299
0 0 0
0 394819 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
1000
2000
3000
4000
5000


$Q_{cluster}$ VS length in cluster
h2f_QclvsLength
Entries 394819
Mean x 7.416
Mean y 893.7
Std Dev x 4.247
Std Dev y 441.3
0 30093 0
0 364726 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
0 500 1000 1500 2000 2500


WF$_{sum}$ VS length in cluster
h2f_WFvsLength
Entries 394819
Mean x 7.432
Mean y 880.1
Std Dev x 4.256
Std Dev y 441
0 27992 0
0 366827 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
0 100 200 300 400 500 600 700


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 394819
Mean 203.2
Std Dev 309.5
Underflow 0
Overflow 3042
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 394819
Mean x 7.626
Mean y 0.02653
Std Dev x 4.276
Std Dev y 4.341
0 21 0
0 394771 0
0 27 0