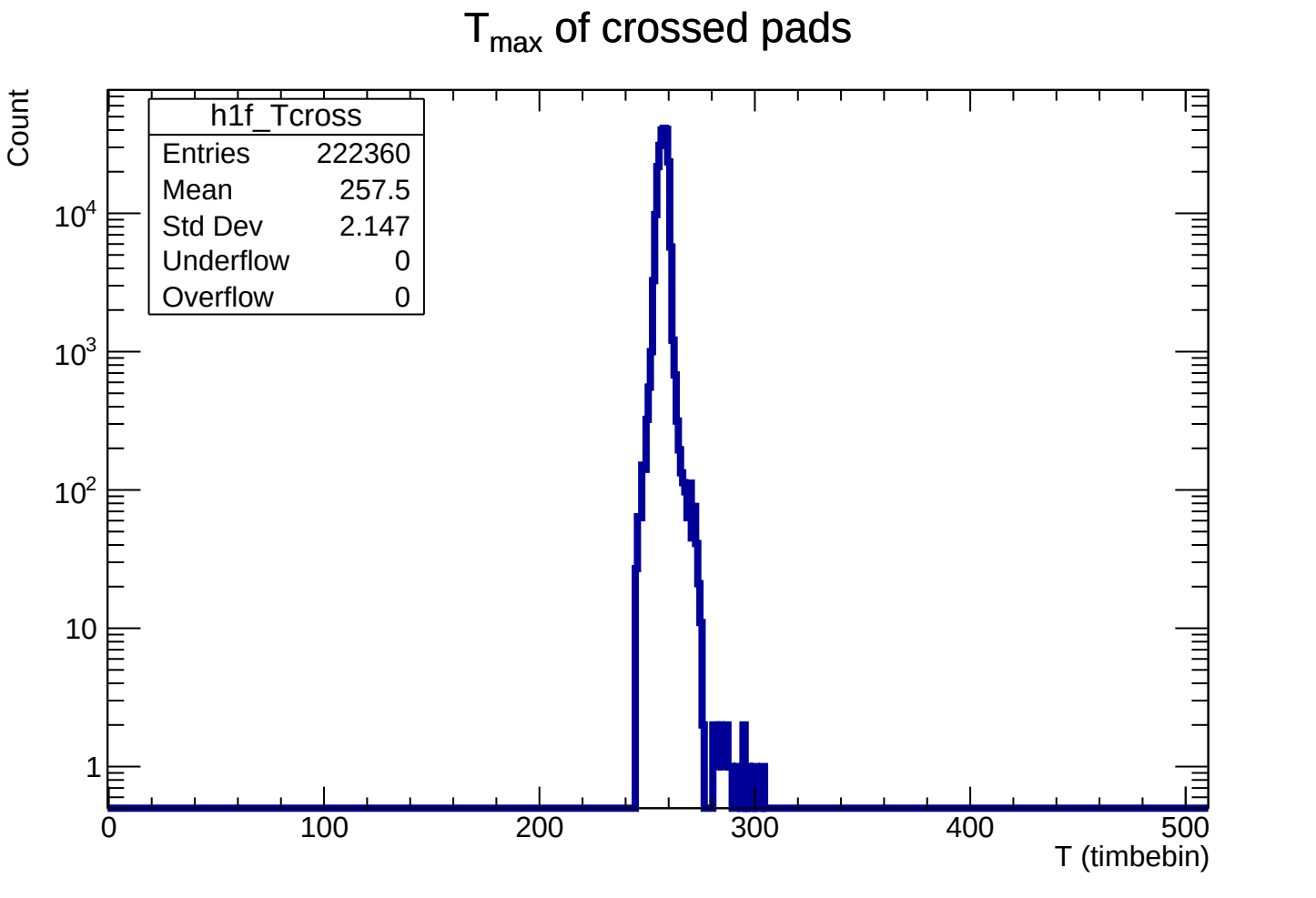
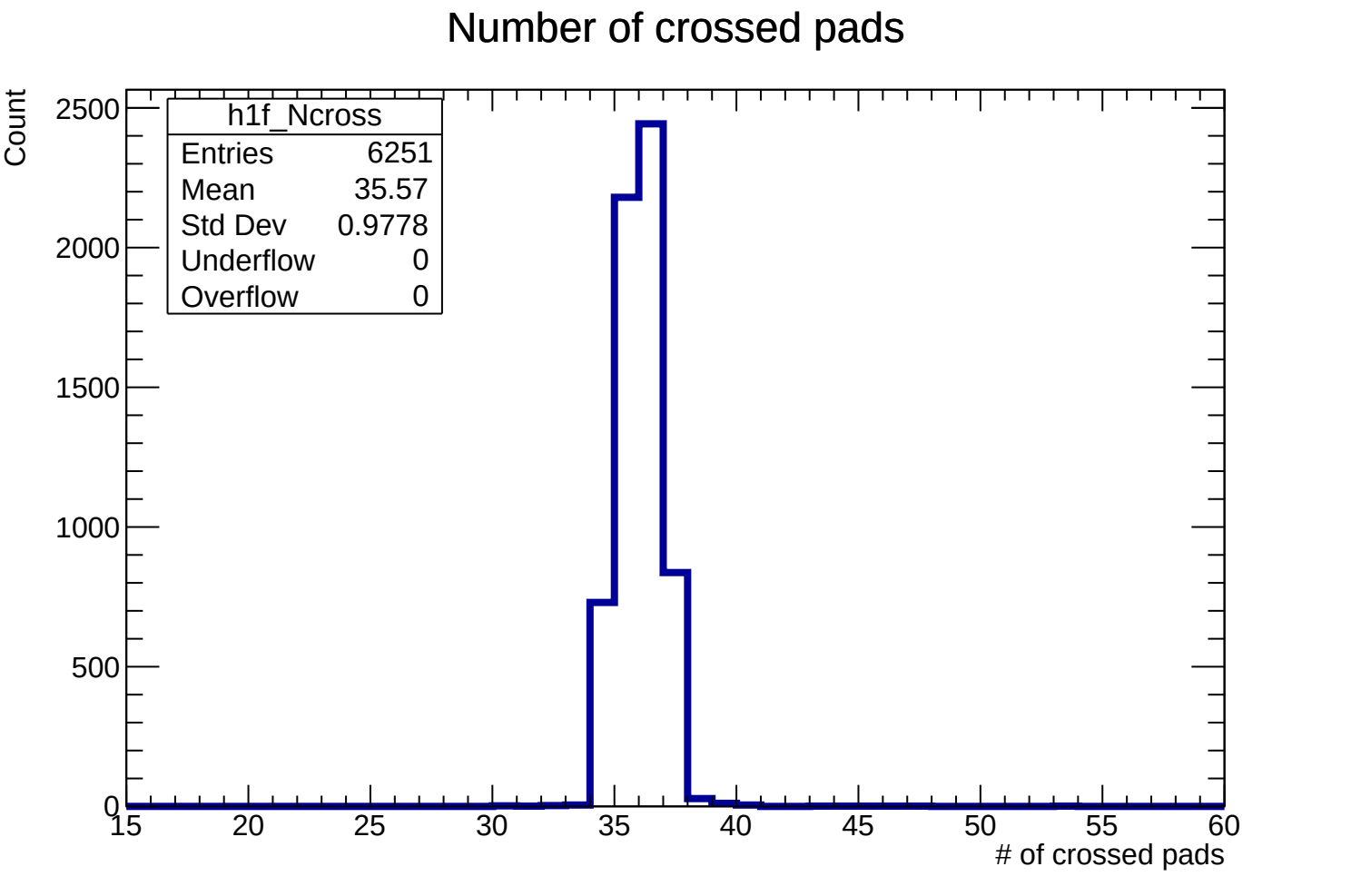
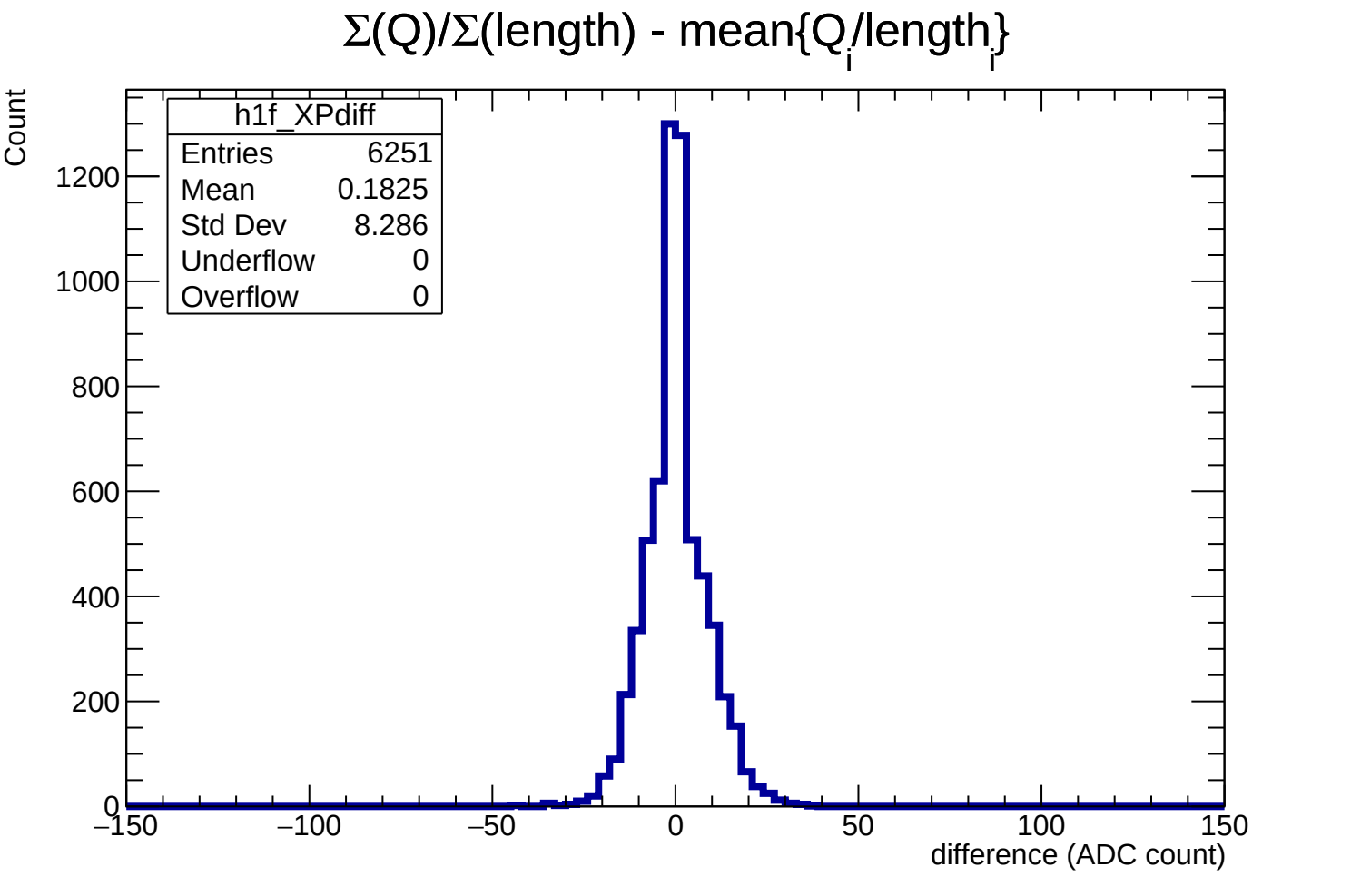
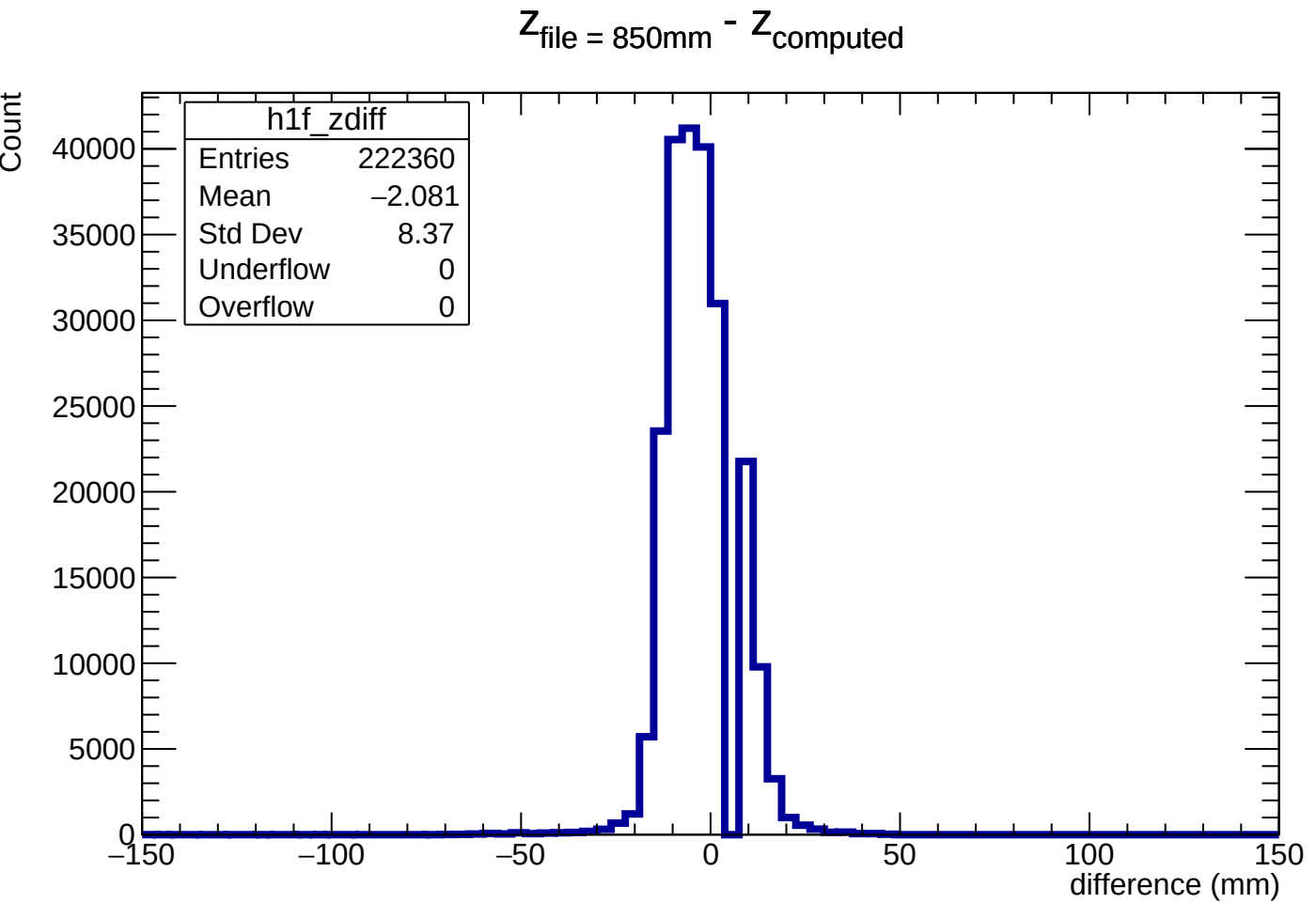
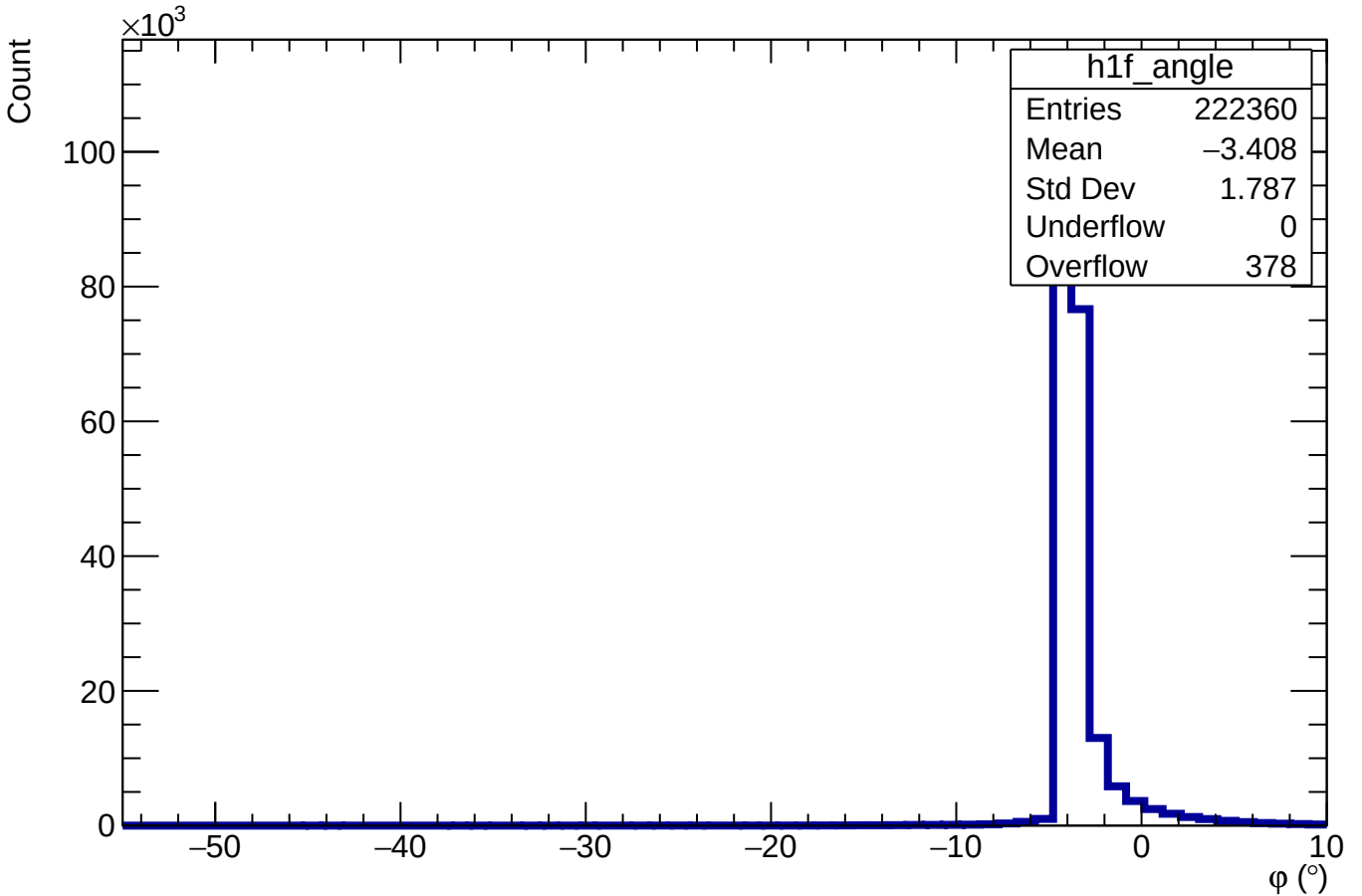
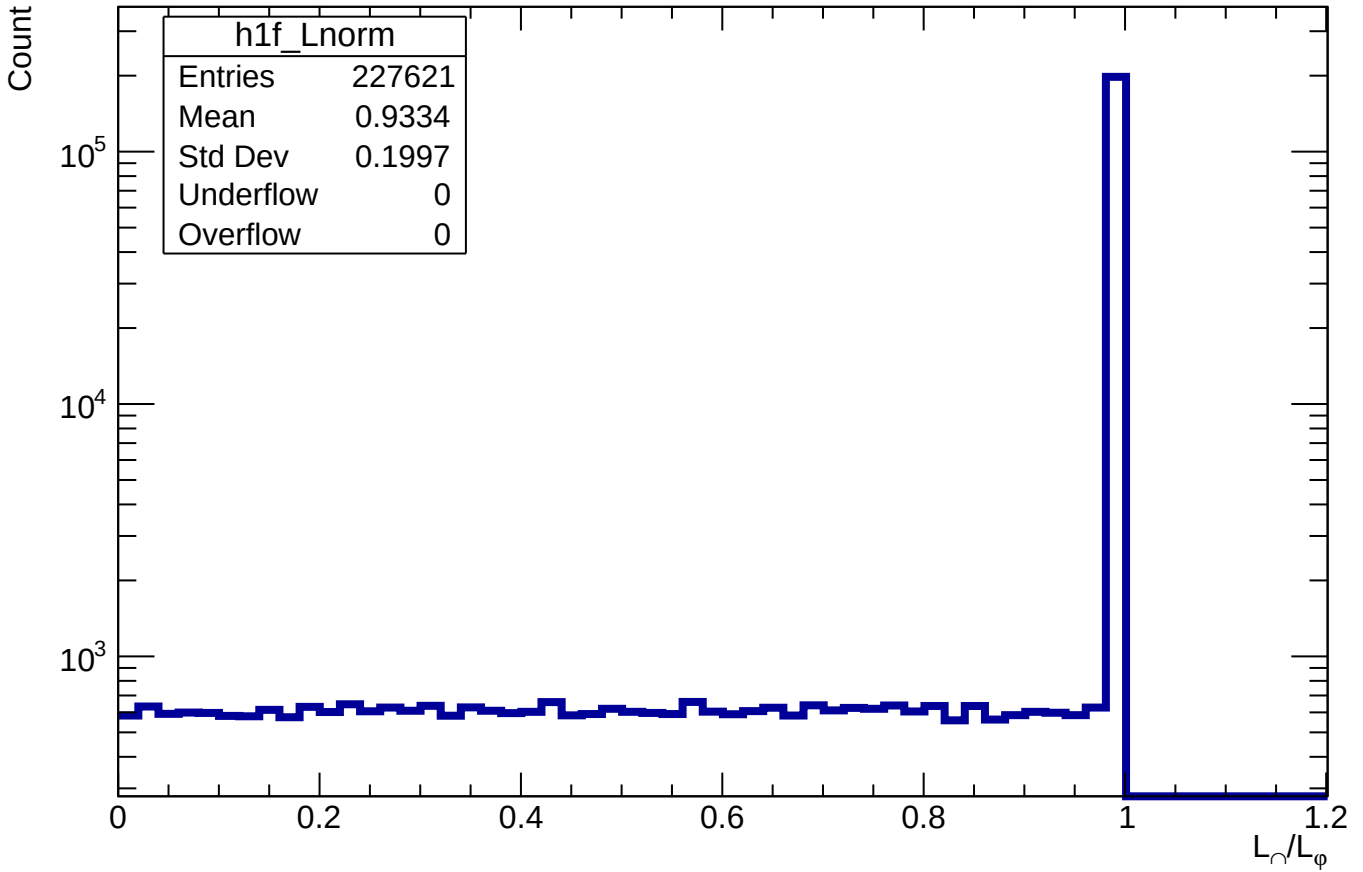

$T_{max}$ of crossed pads
h1f_Tcross
Entries 222360
Mean 257.5
Std Dev 2.147
Underflow 0
Overflow 0
Count
$10^4$
$10^3$
$10^2$
10
1
0
100
200
300
400
500
T (timbebin)

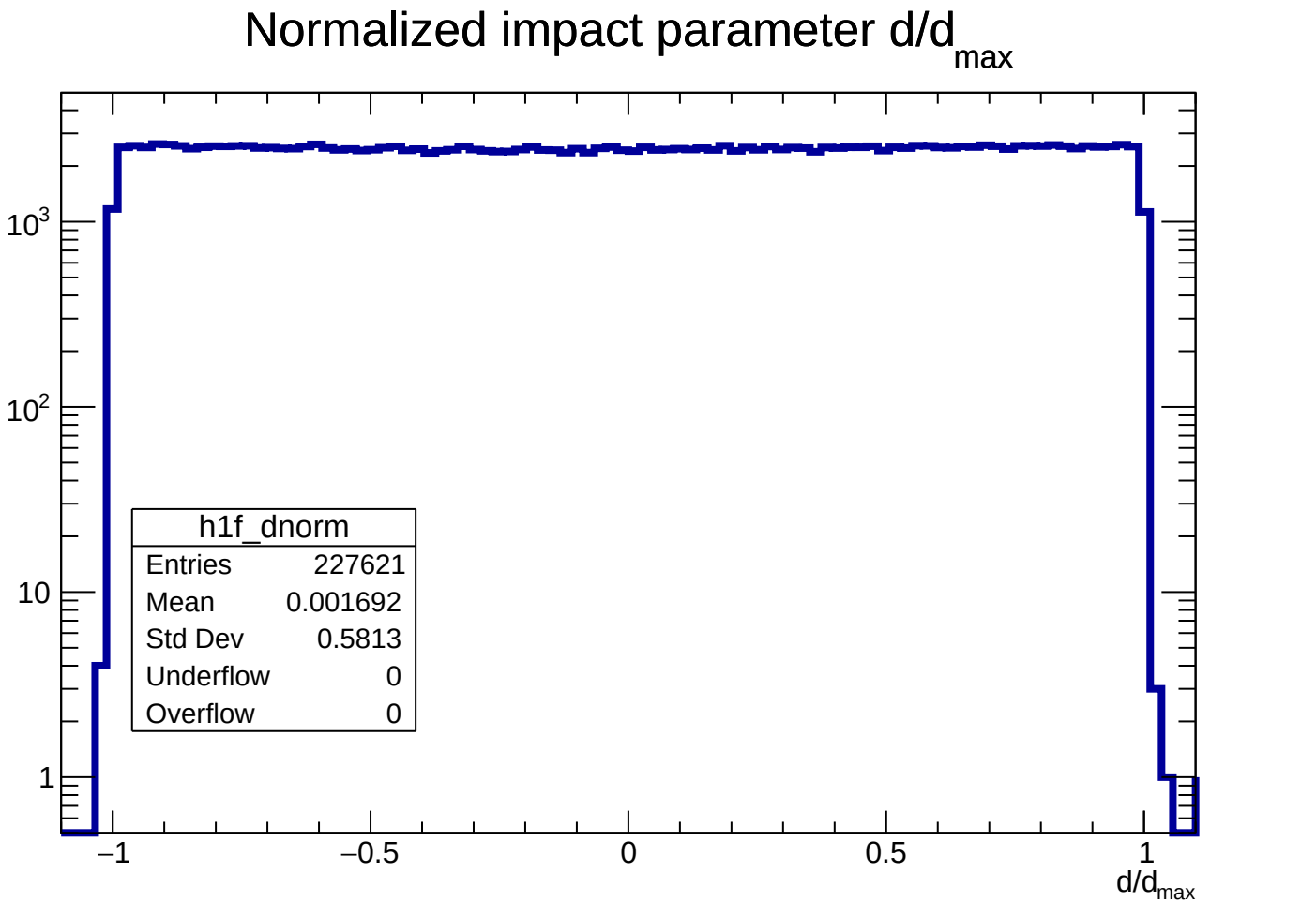

Number of crossed pads
h1f_Ncross
Entries 6251
Mean 35.57
Std Dev 0.9778
Underflow 0
Overflow 0
Count
2500
2000
1500
1000
500
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

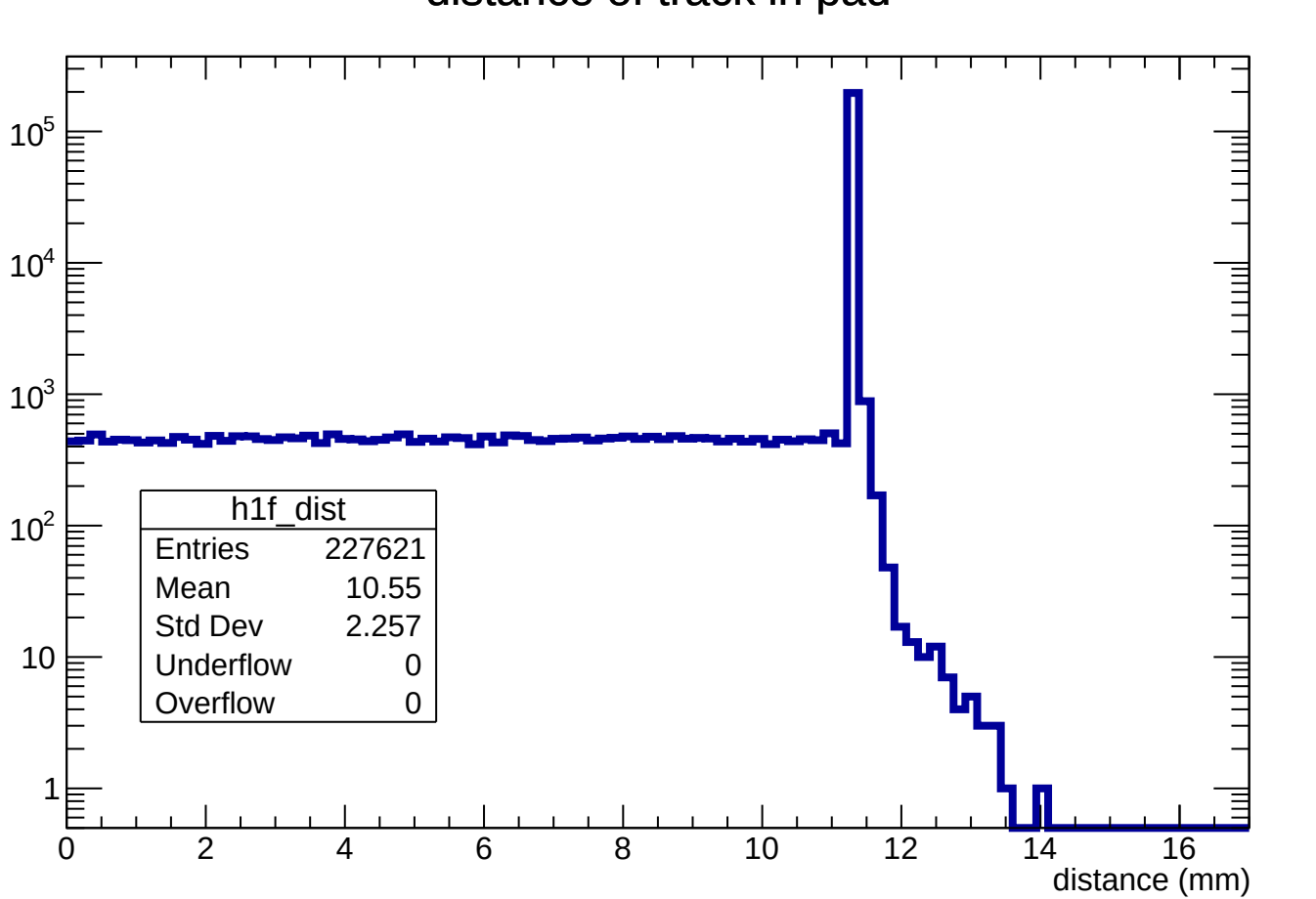

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 6251
Mean 0.1825
Std Dev 8.286
Underflow 0
Overflow 0
Count
0
200
400
600
800
1000
1200
–150
–100
–50
0
50
100
150
difference (ADC count)

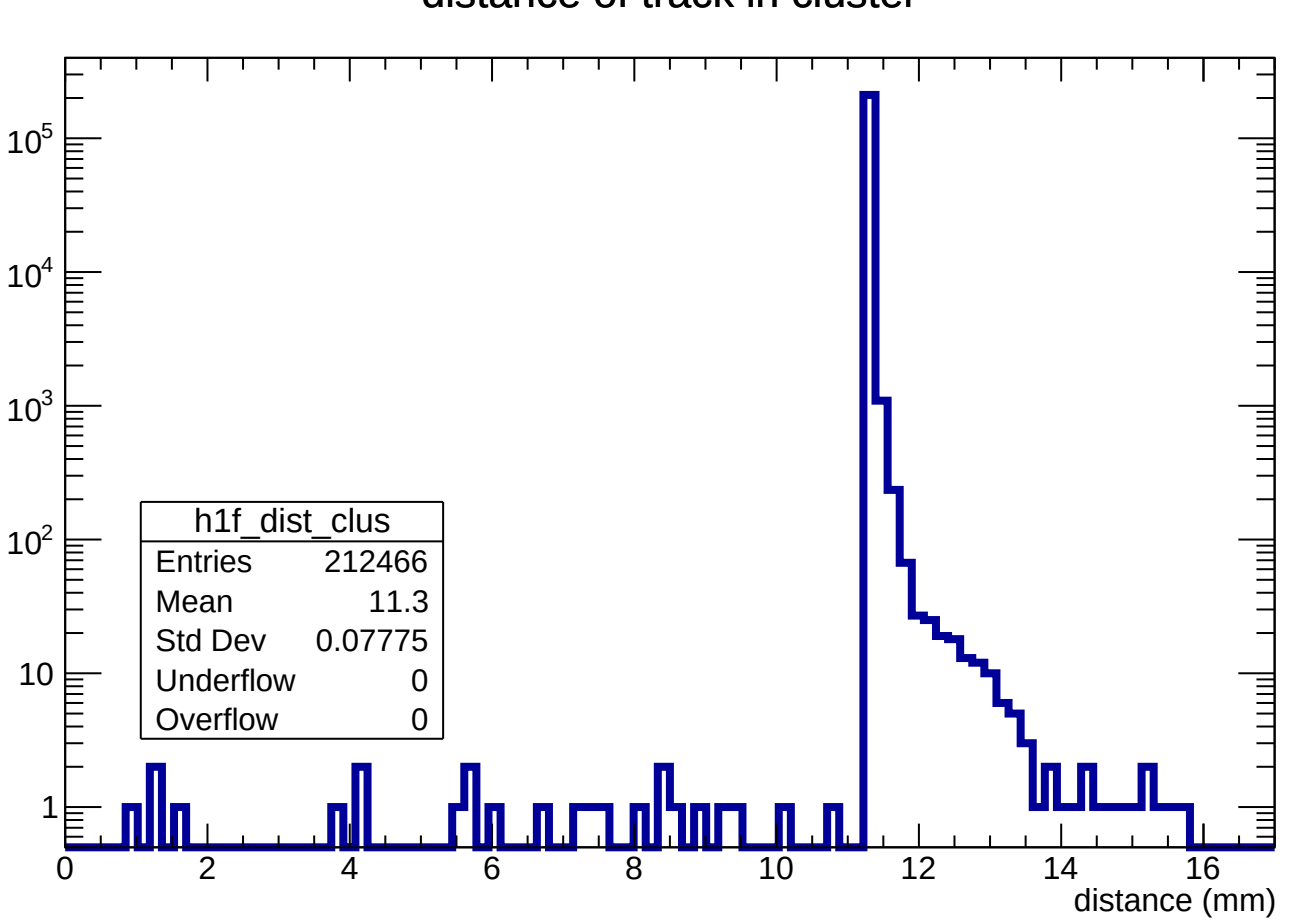

$z_{file = 850mm} - z_{computed}$
h1f_zdiff
Entries 222360
Mean –2.081
Std Dev 8.37
Underflow 0
Overflow 0
Count
40000
35000
30000
25000
20000
15000
10000
5000
0
–150
–100
–50
0
50
100
150
difference (mm)

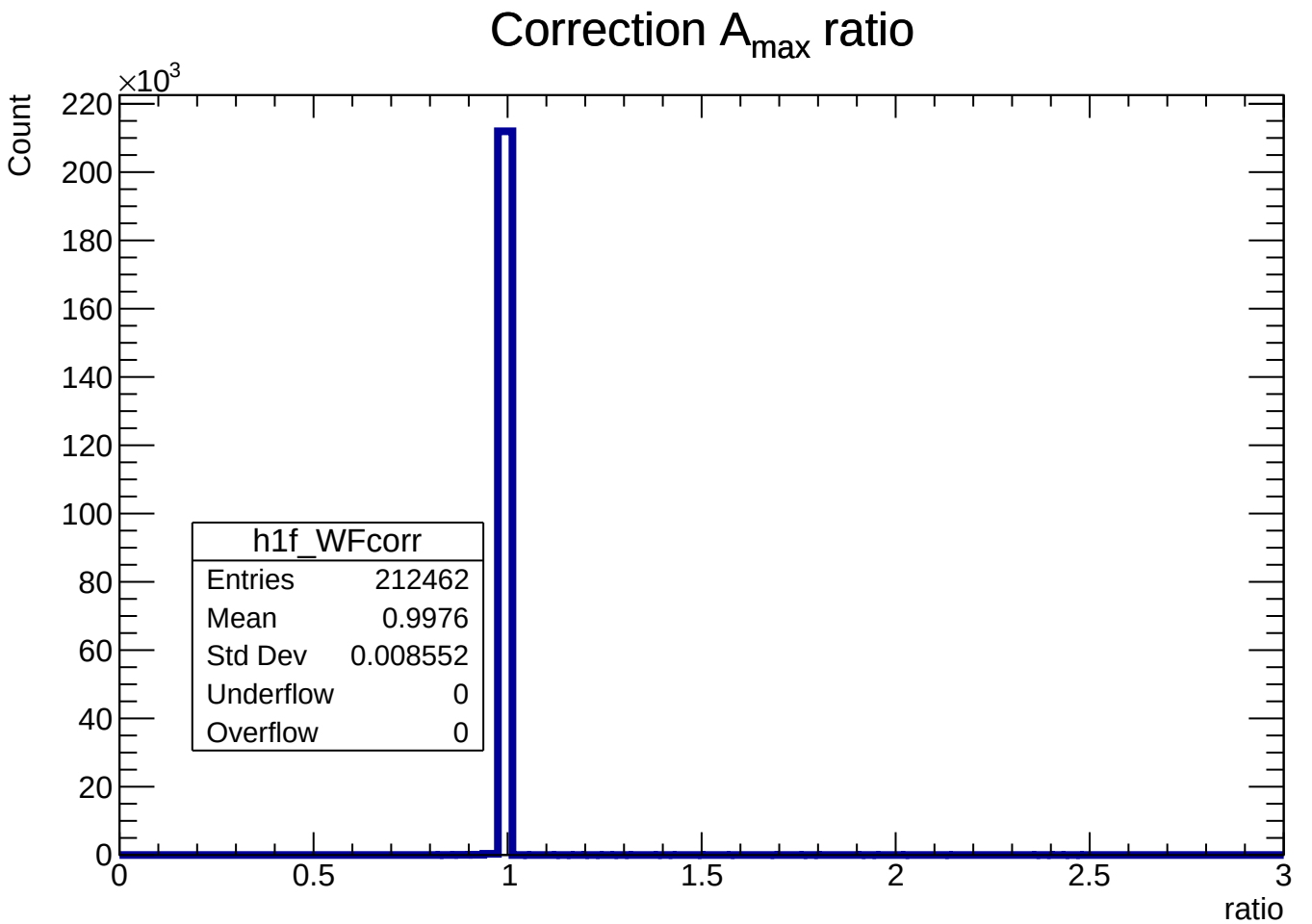

Angle φ in each pad
Count
×10^3
100
80
60
40
20
0
h1f_angle
Entries 222360
Mean −3.408
Std Dev 1.787
Underflow 0
Overflow 378
−50
−40
−30
−20
−10
0
10
φ (°)

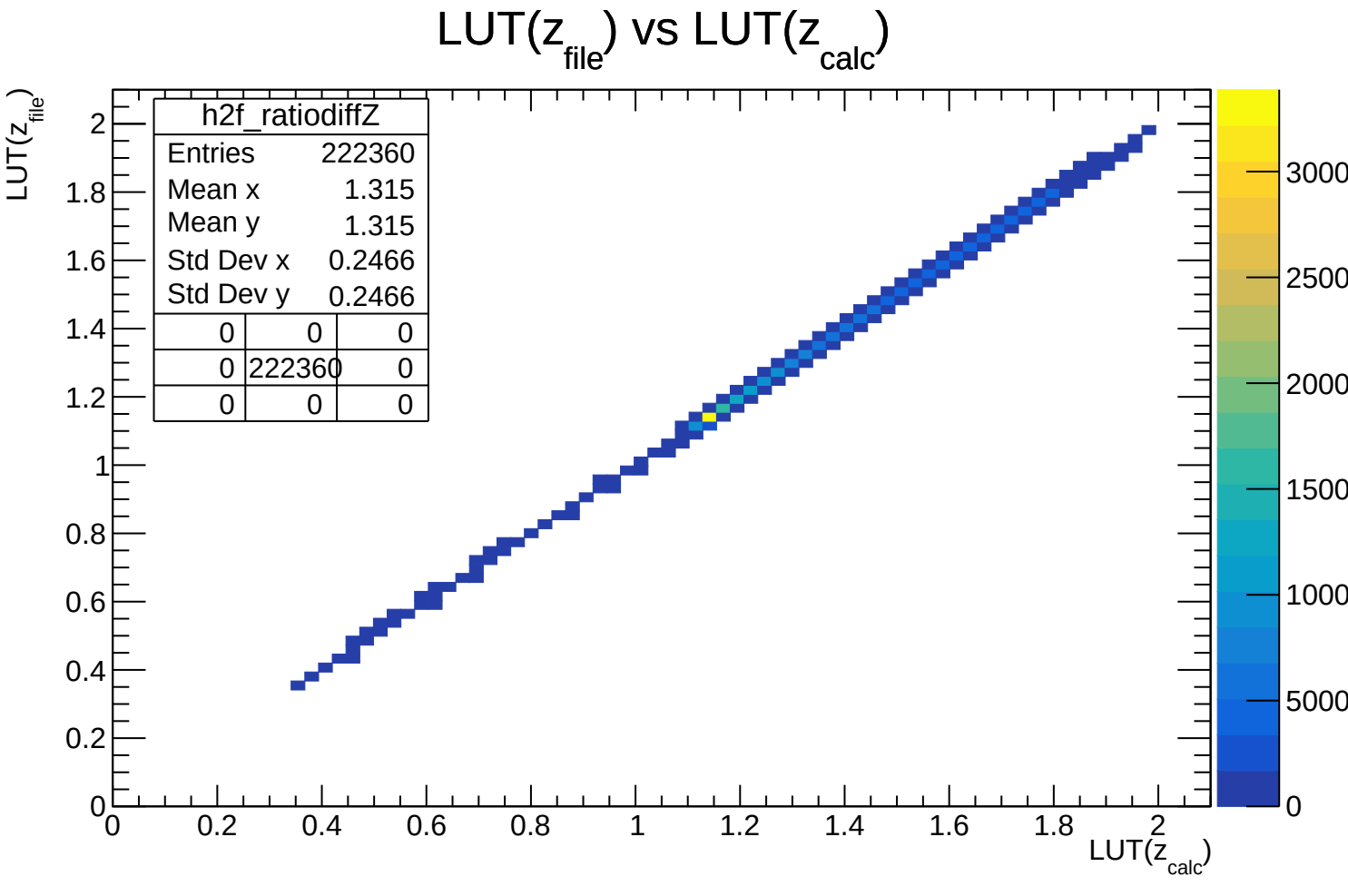

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 227621
Mean 0.9334
Std Dev 0.1997
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

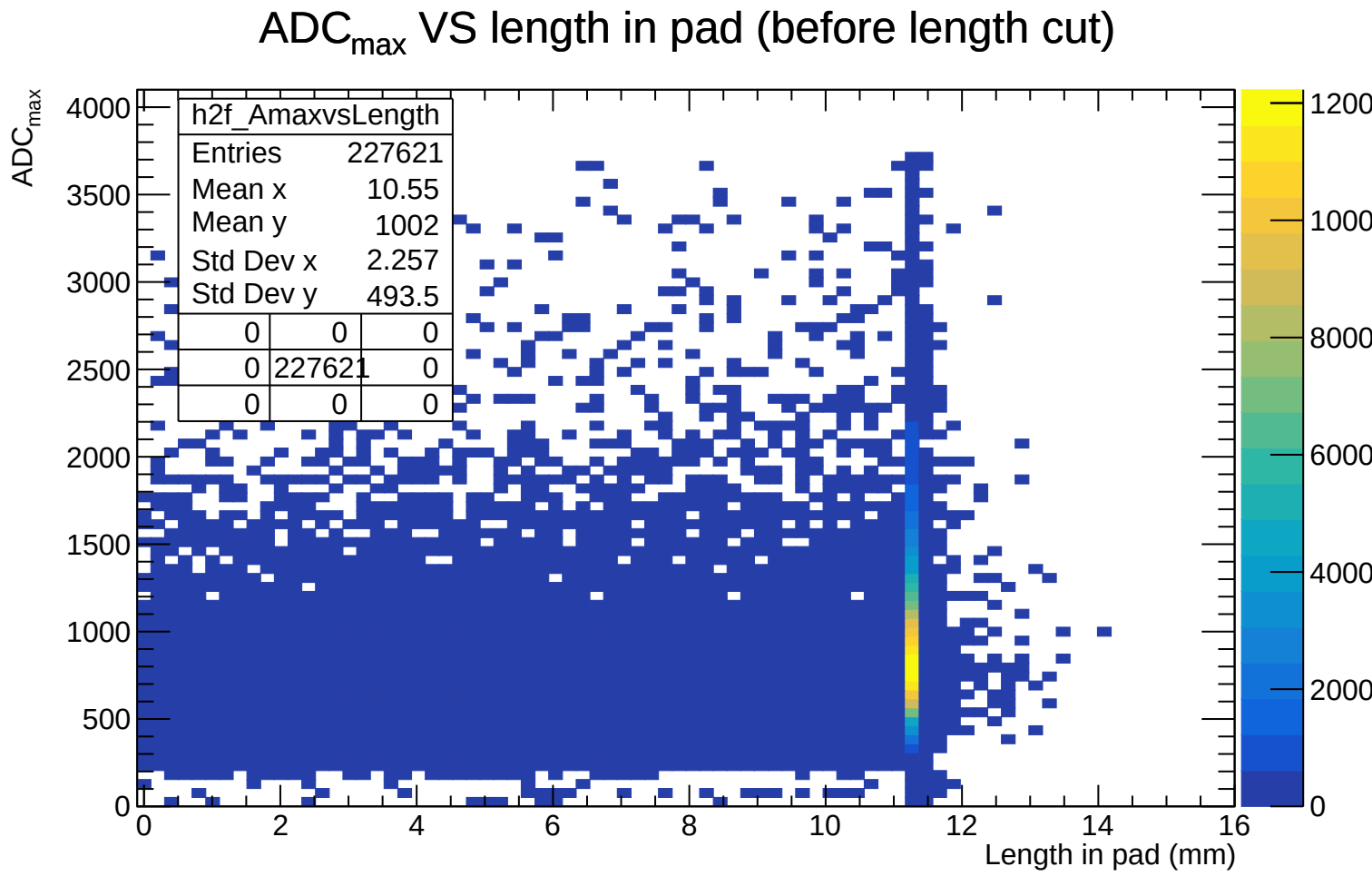

Normalized impact parameter d/d max
10 3
10 2
10
1
h1f_dnorm
Entries 227621
Mean 0.001692
Std Dev 0.5813
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d max

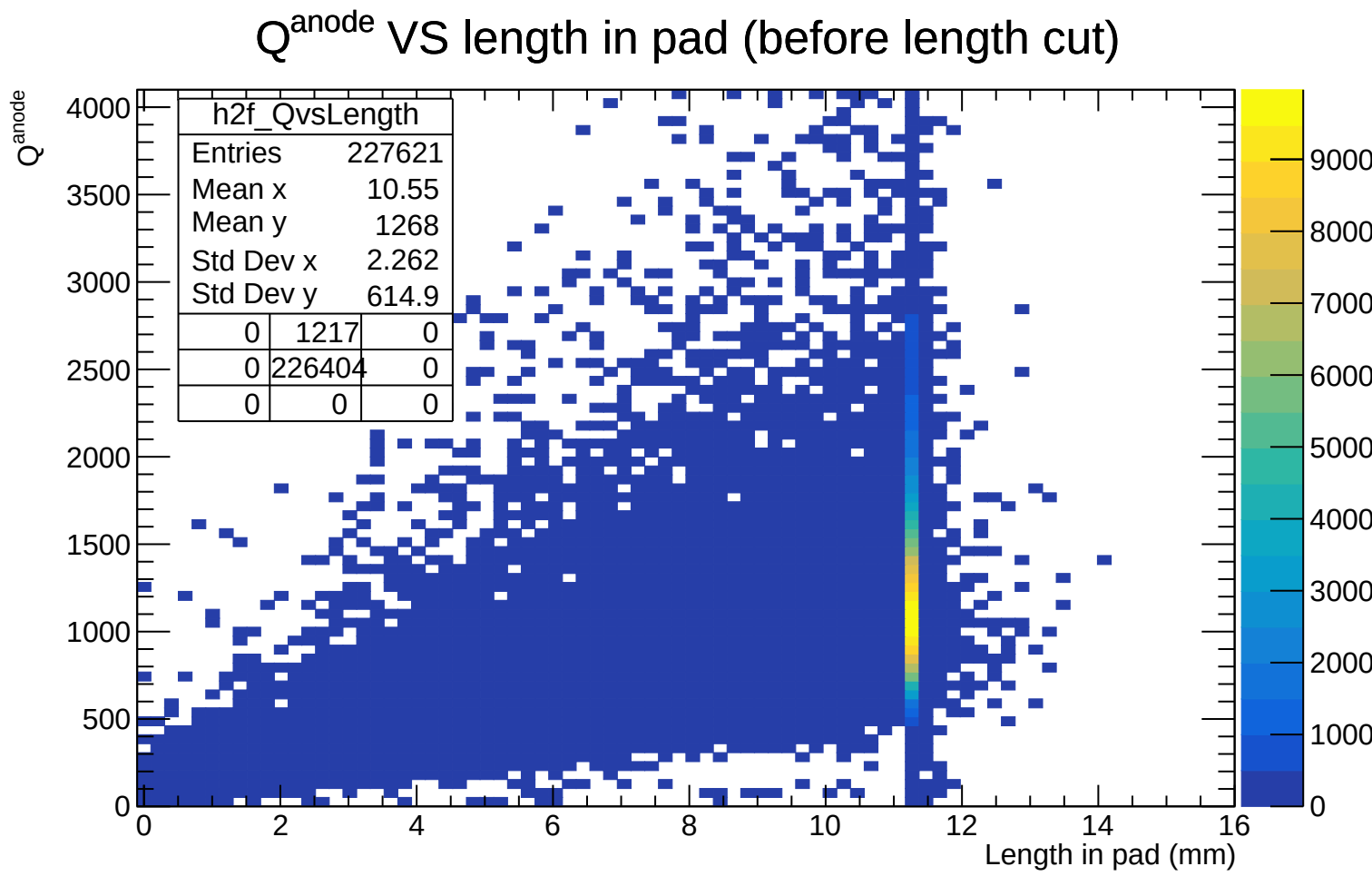

distance of track in pad
h1f_dist
Entries 227621
Mean 10.55
Std Dev 2.257
Underflow 0
Overflow 0
distance (mm)

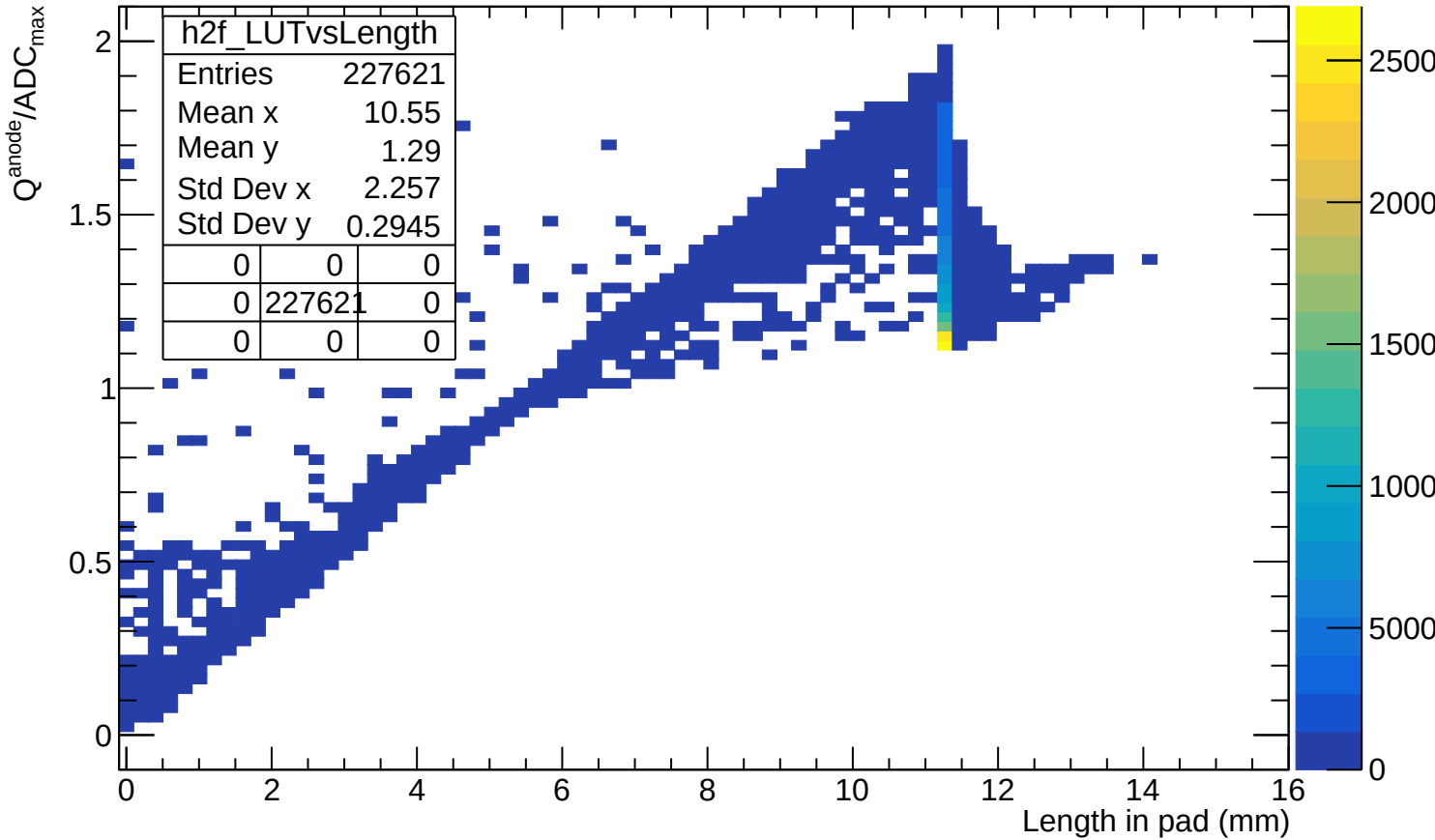

distance of track in cluster
h1f_dist_clus
Entries 212466
Mean 11.3
Std Dev 0.07775
Underflow 0
Overflow 0
distance (mm)

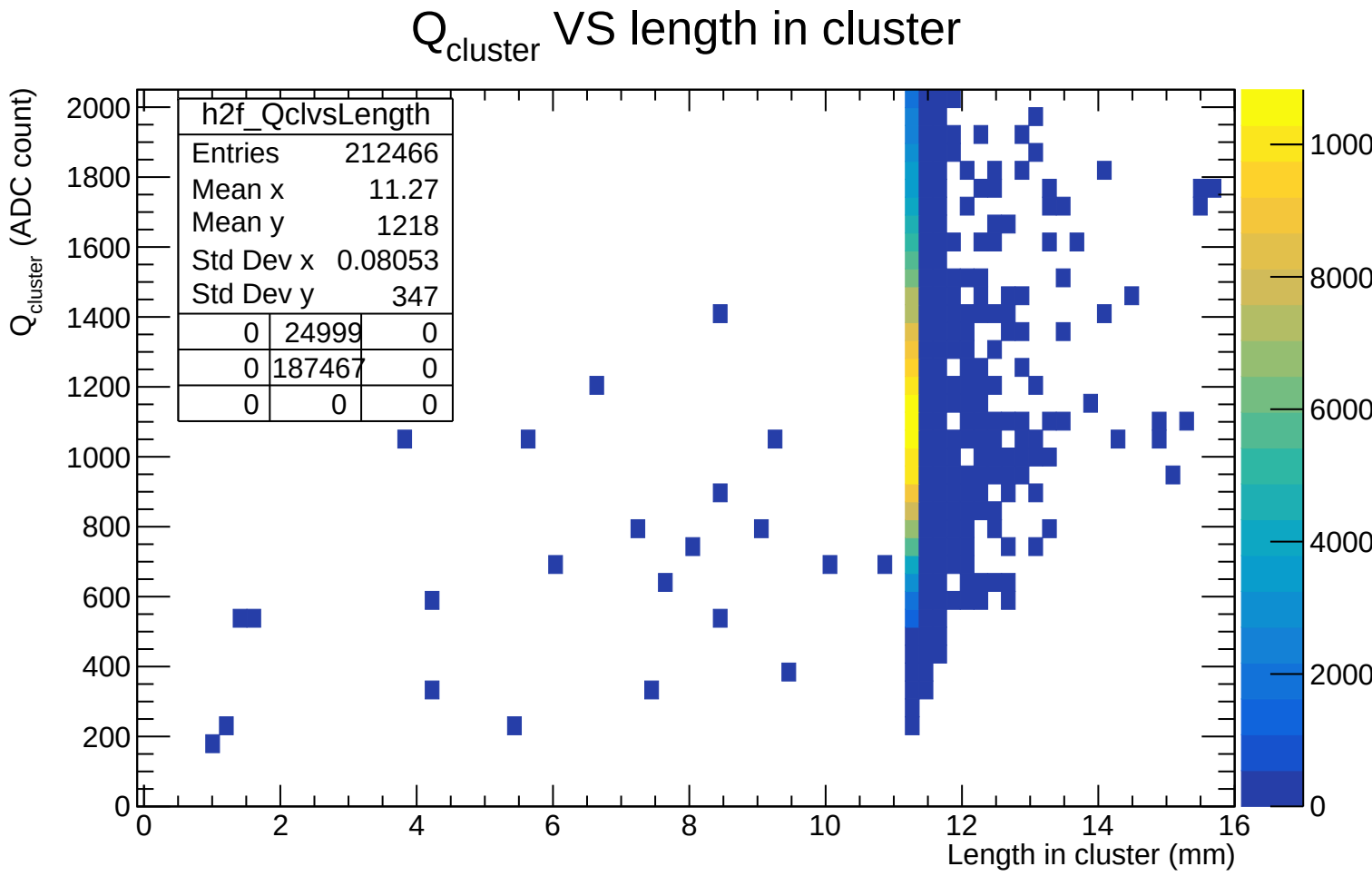

Correction $A_{max}$ ratio
$\times 10^3$
Count
220
200
180
160
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
ratio
h1f_WFcorr
Entries 212462
Mean 0.9976
Std Dev 0.008552
Underflow 0
Overflow 0

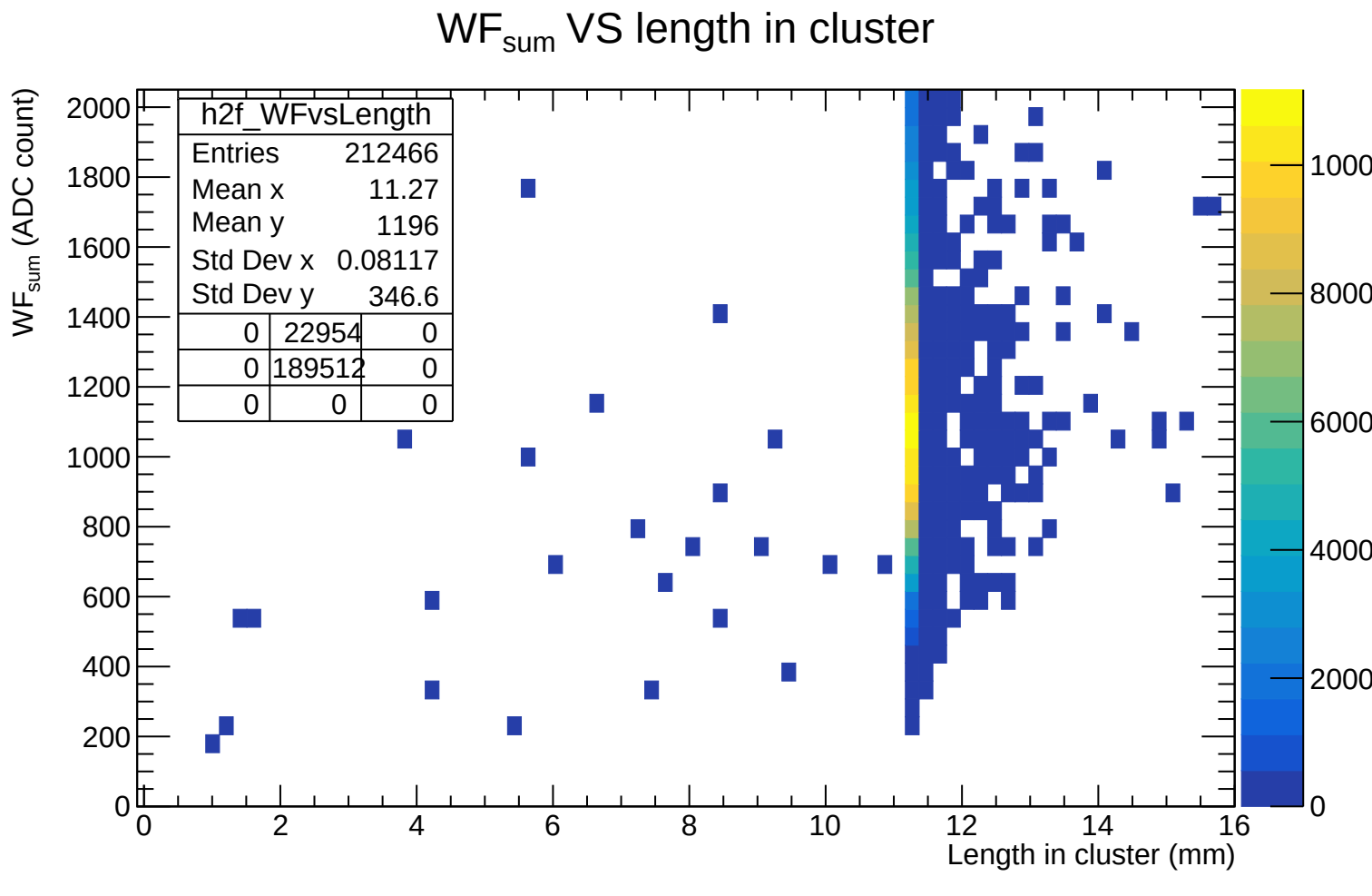

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 222360
Mean x 1.315
Mean y 1.315
Std Dev x 0.2466
Std Dev y 0.2466
0 0 0
0 222360 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 500 1000 1500 2000 2500 3000

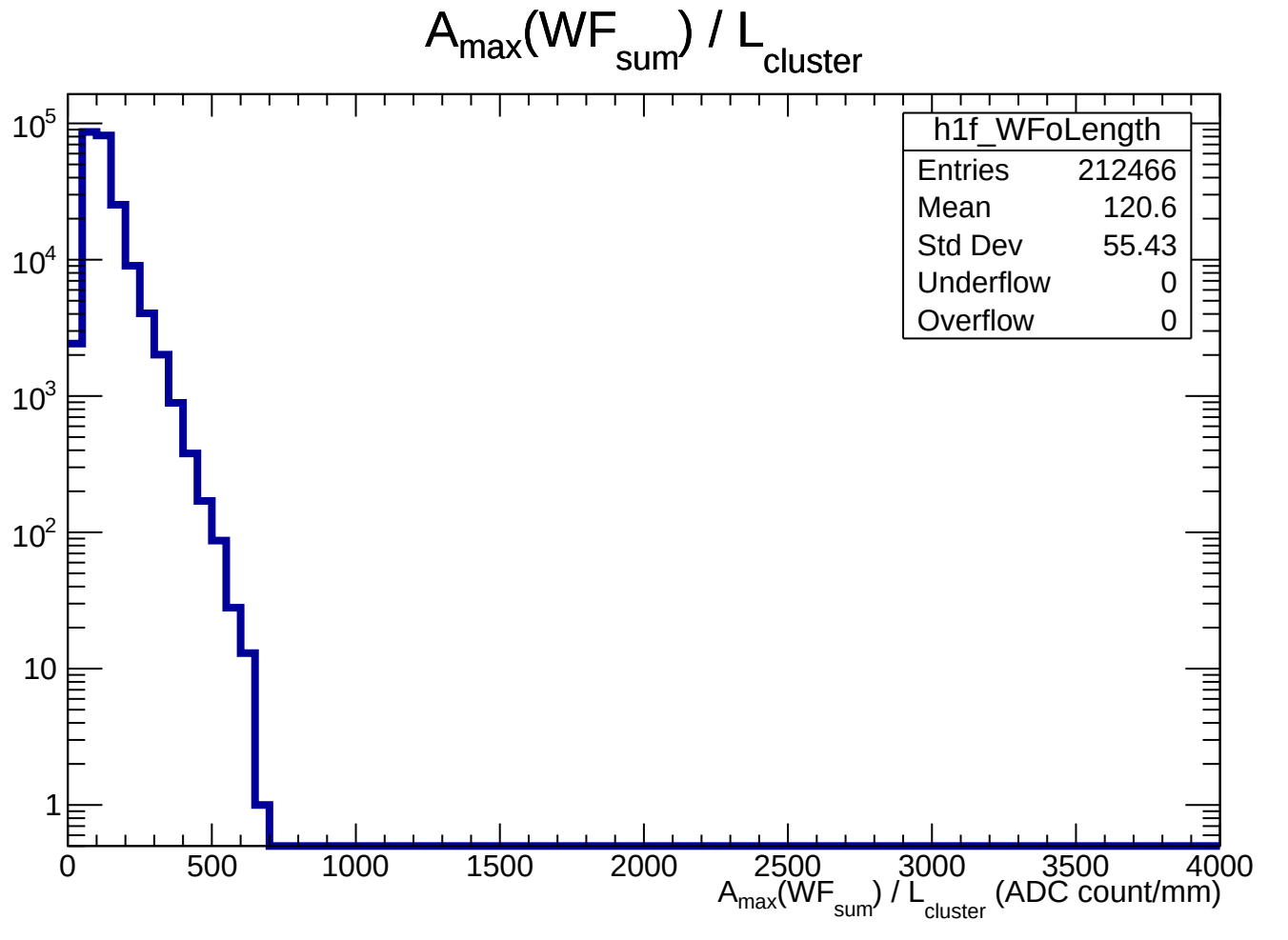

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 227621
Mean x 10.55
Mean y 1002
Std Dev x 2.257
Std Dev y 493.5
0 0 0
0 227621 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0 500 1000 1500 2000 2500 3000 3500 4000
0 2 4 6 8 10 12 14 16
0 2000 4000 6000 8000 1000 1200

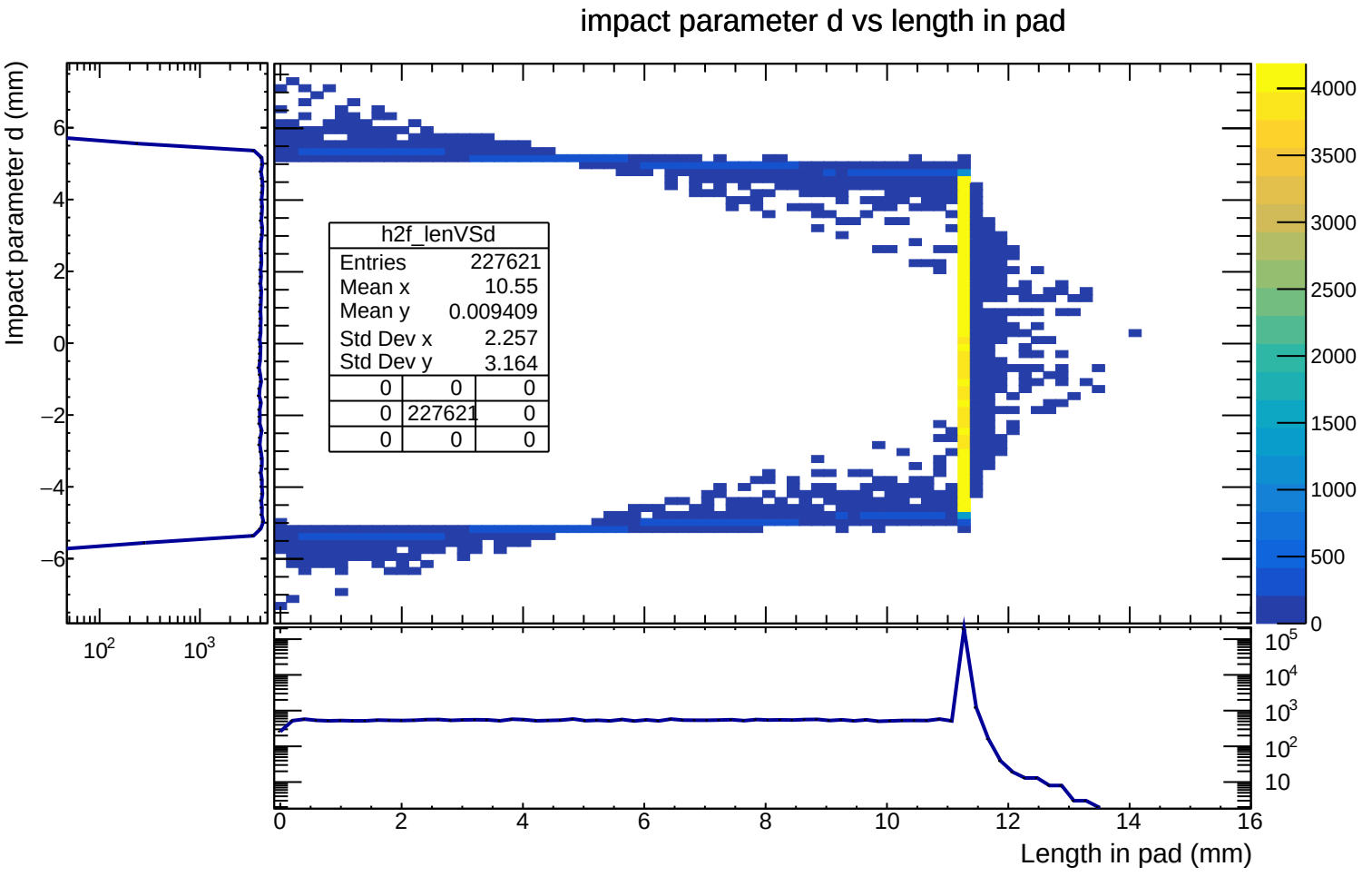

Q^anode VS length in pad (before length cut)
Q^anode
Length in pad (mm)
h2f_QvsLength
Entries 227621
Mean x 10.55
Mean y 1268
Std Dev x 2.262
Std Dev y 614.9
0 1217 0
0 226404 0
0 0 0
0 500 1000 1500 2000 2500 3000 3500 4000
0 2 4 6 8 10 12 14 16
0 1000 2000 3000 4000 5000 6000 7000 8000 9000


$Q^{anode}/ADC_{max}$ VS length in pad (before length cut)
h2f_LUTvsLength
Entries 227621
Mean x 10.55
Mean y 1.29
Std Dev x 2.257
Std Dev y 0.2945
0 0 0
0 227621 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
5000
1000
1500
2000
2500


$Q_{cluster}$ VS length in cluster
h2f_QclvsLength
Entries 212466
Mean x 11.27
Mean y 1218
Std Dev x 0.08053
Std Dev y 347
0 24999 0
0 187467 0
0 0 0
$Q_{cluster}$ (ADC count)
Length in cluster (mm)
0 2 4 6 8 10 12 14 16
0 200 400 600 800 1000 1200 1400 1600 1800 2000
0 2000 4000 6000 8000 1000


WF_sum VS length in cluster
h2f_WFvsLength
Entries 212466
Mean x 11.27
Mean y 1196
Std Dev x 0.08117
Std Dev y 346.6
0 22954 0
0 189512 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


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 212466
Mean 120.6
Std Dev 55.43
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)
Length in pad (mm)
h2f_lenVSd
Entries 227621
Mean x 10.55
Mean y 0.009409
Std Dev x 2.257
Std Dev y 3.164
0 0 0
0 227621 0
0 0 0