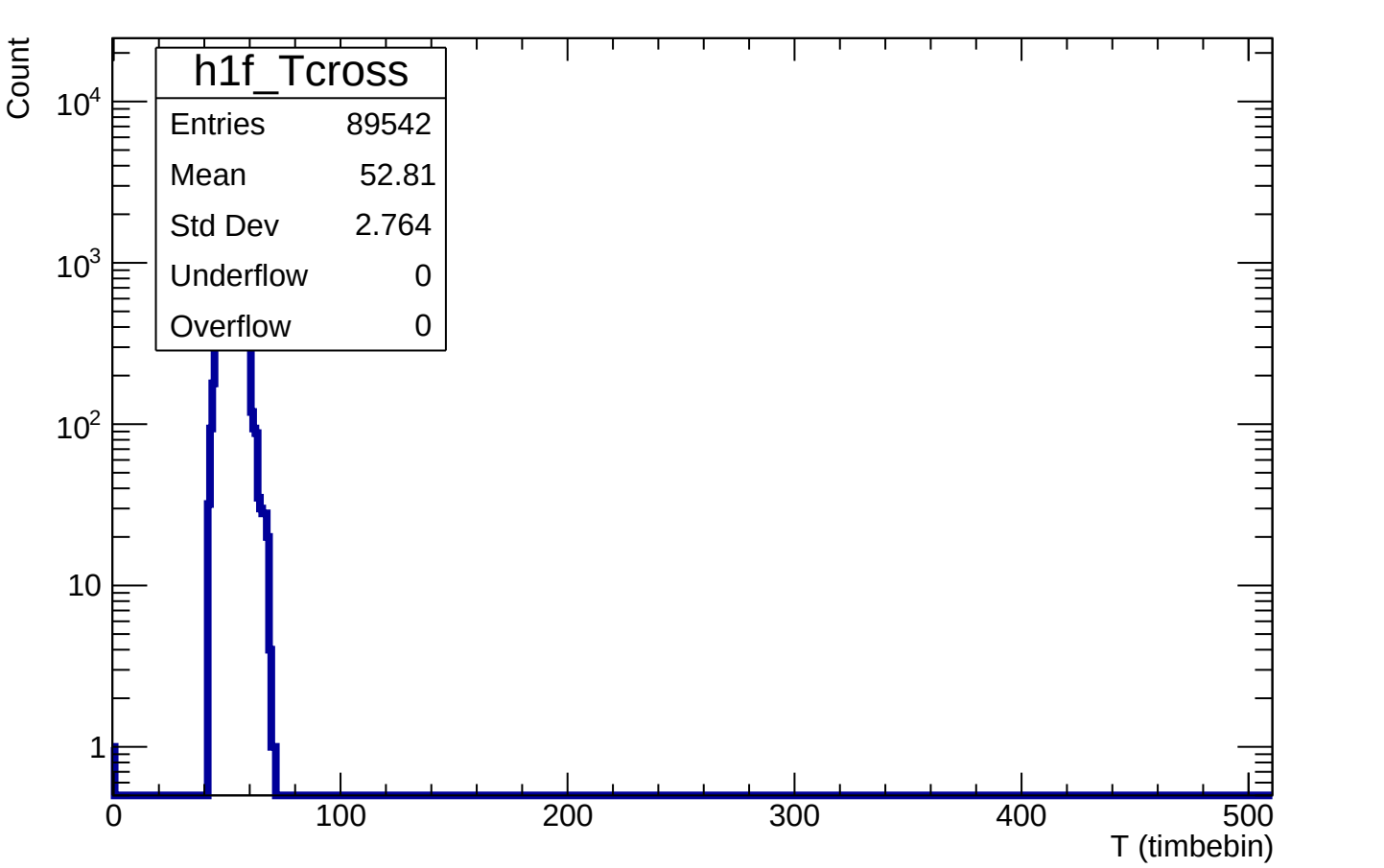
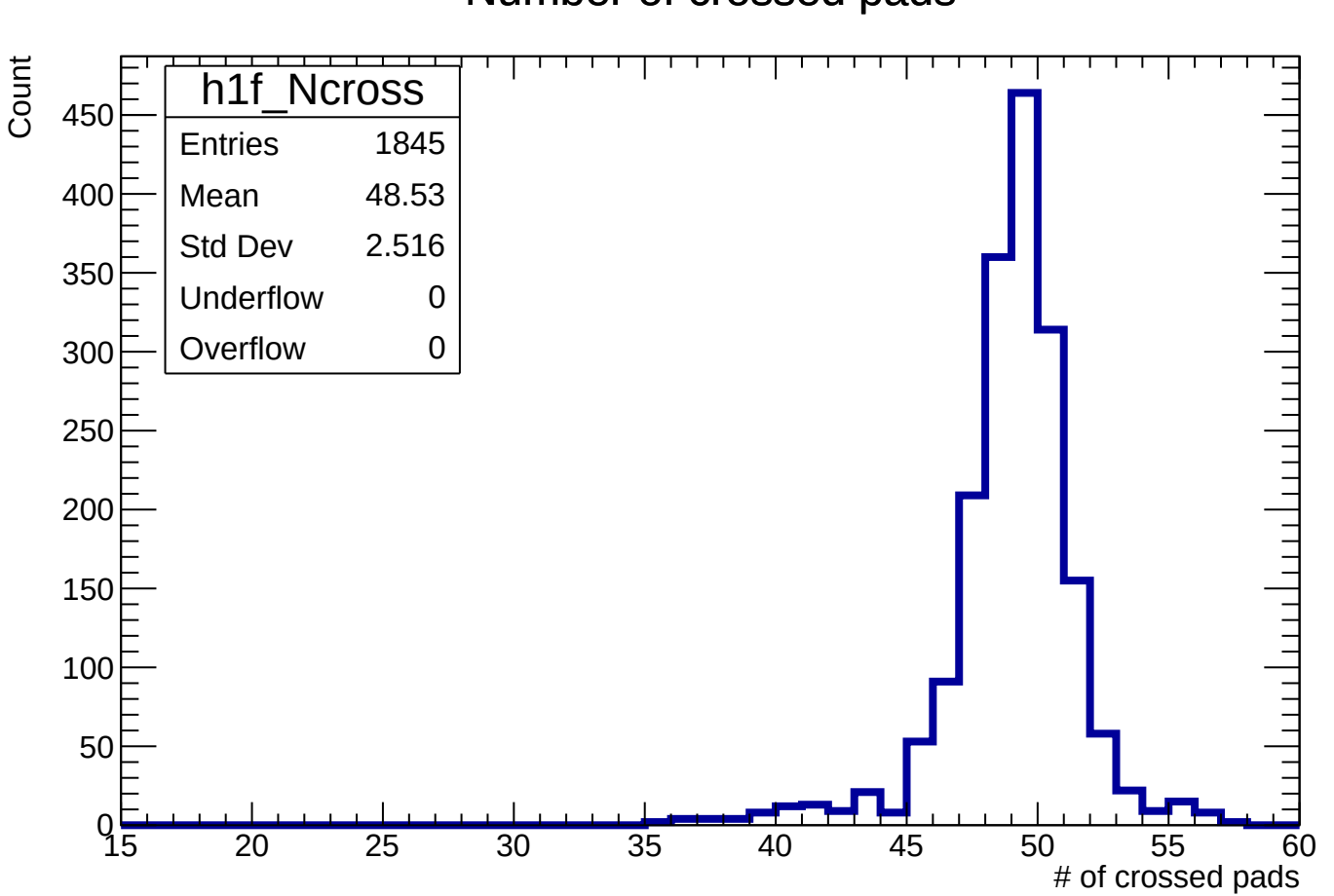
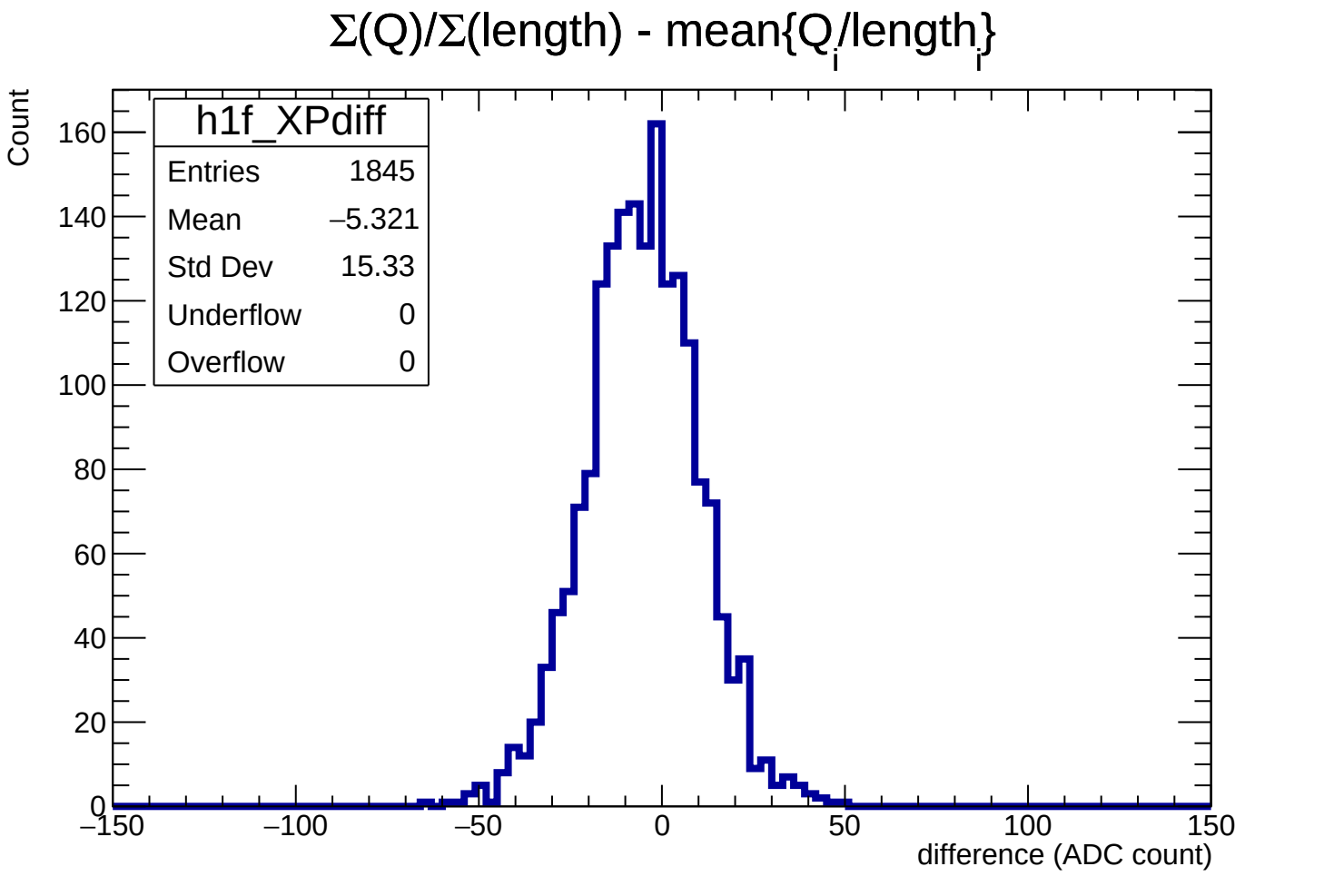
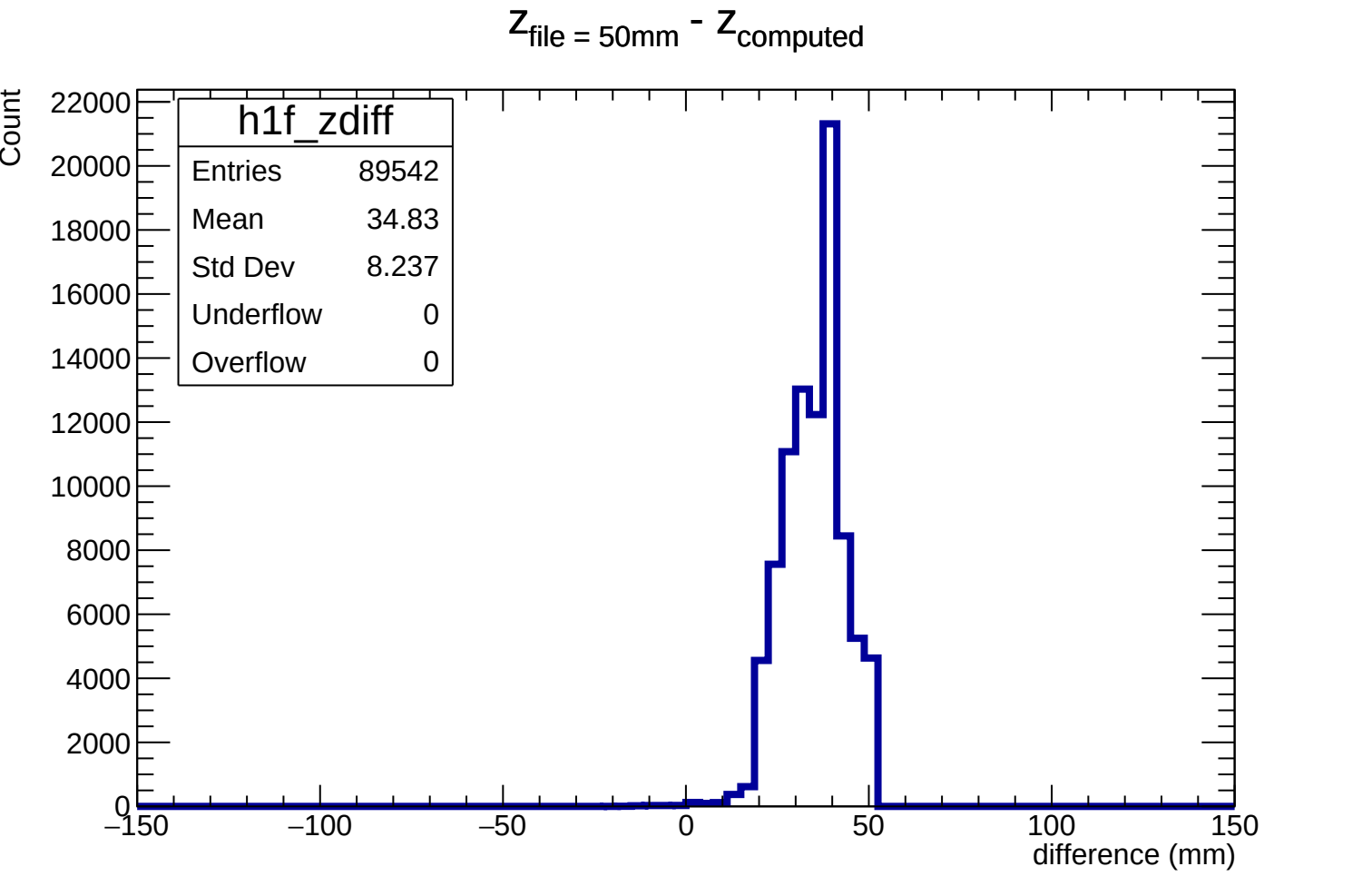
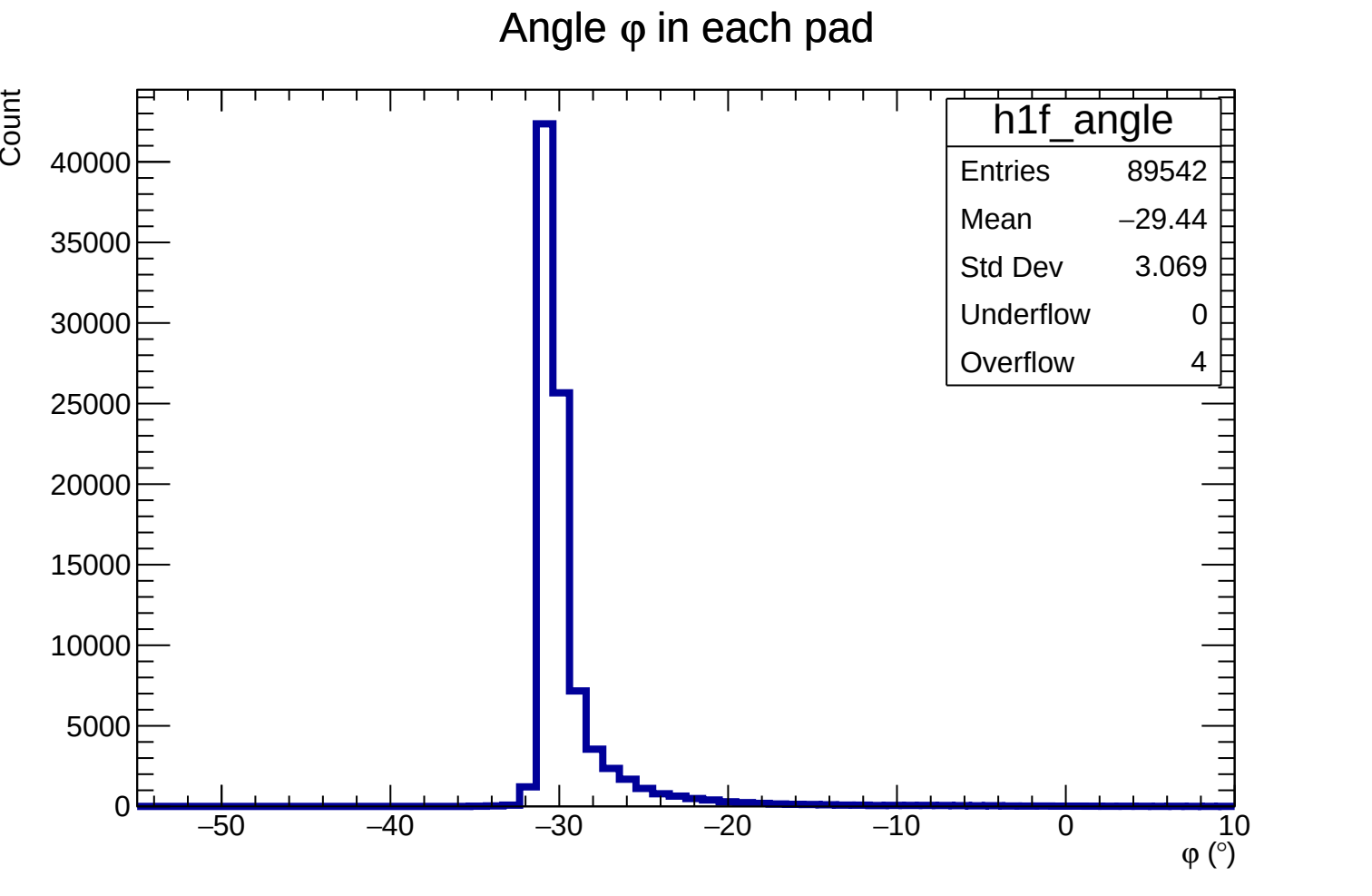
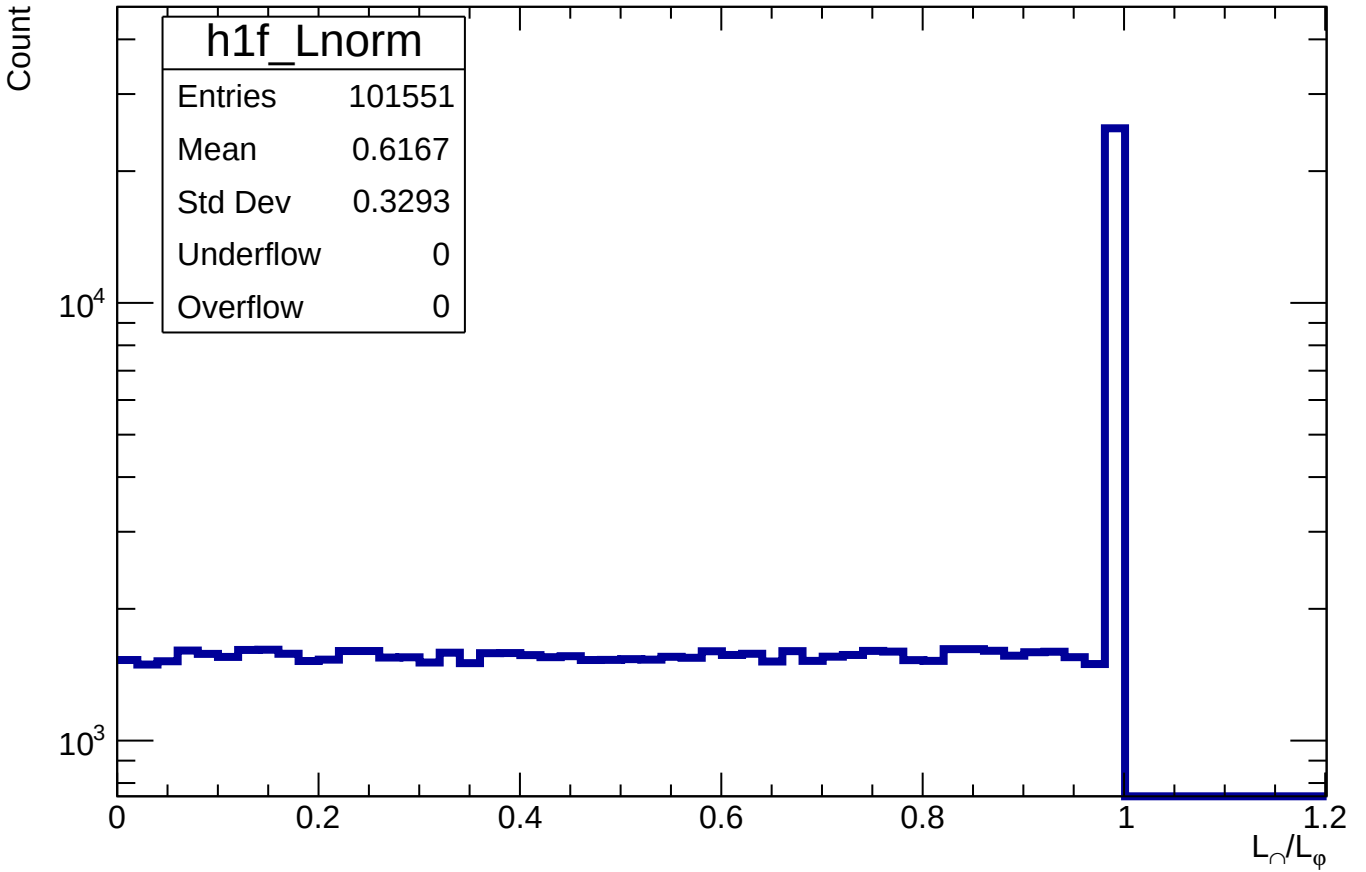

T_{max} of crossed pads
h1f_Tcross
Entries 89542
Mean 52.81
Std Dev 2.764
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

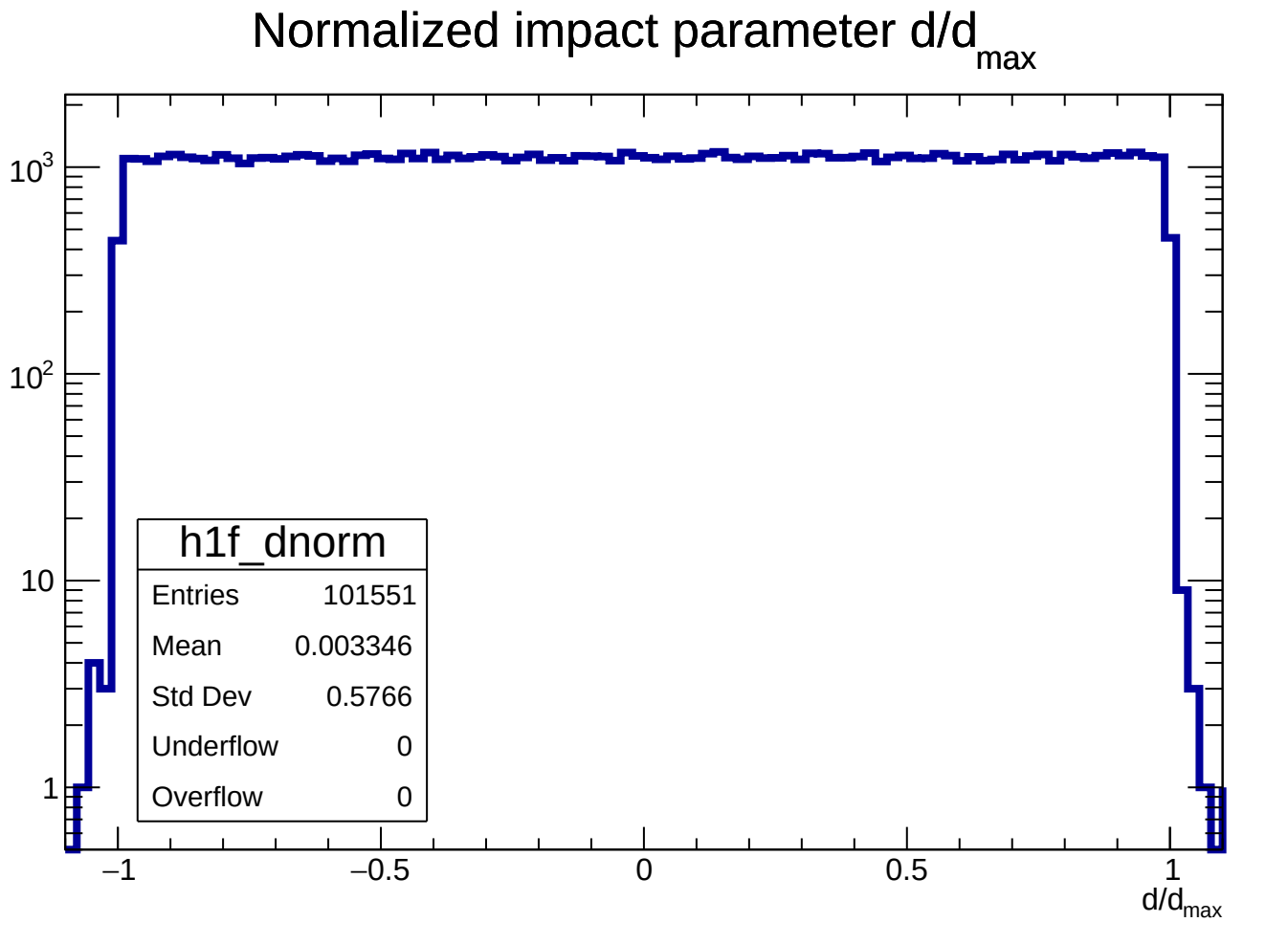

Number of crossed pads
h1f_Ncross
Entries 1845
Mean 48.53
Std Dev 2.516
Underflow 0
Overflow 0
Count
0
50
100
150
200
250
300
350
400
450
15
20
25
30
35
40
45
50
55
60
# of crossed pads

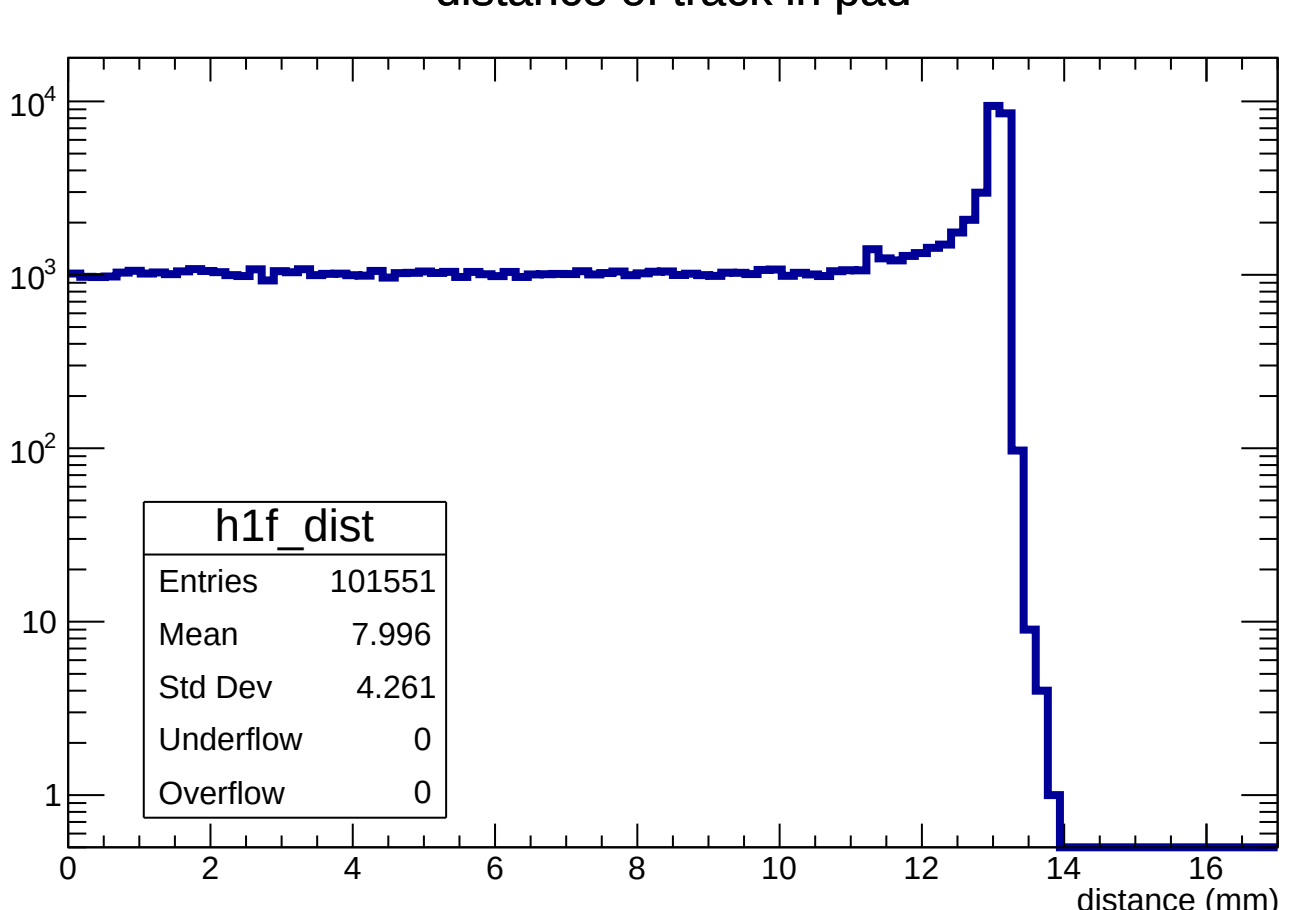

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 1845
Mean –5.321
Std Dev 15.33
Underflow 0
Overflow 0
Count
0
20
40
60
80
100
120
140
160
–150
–100
–50
0
50
100
150
difference (ADC count)

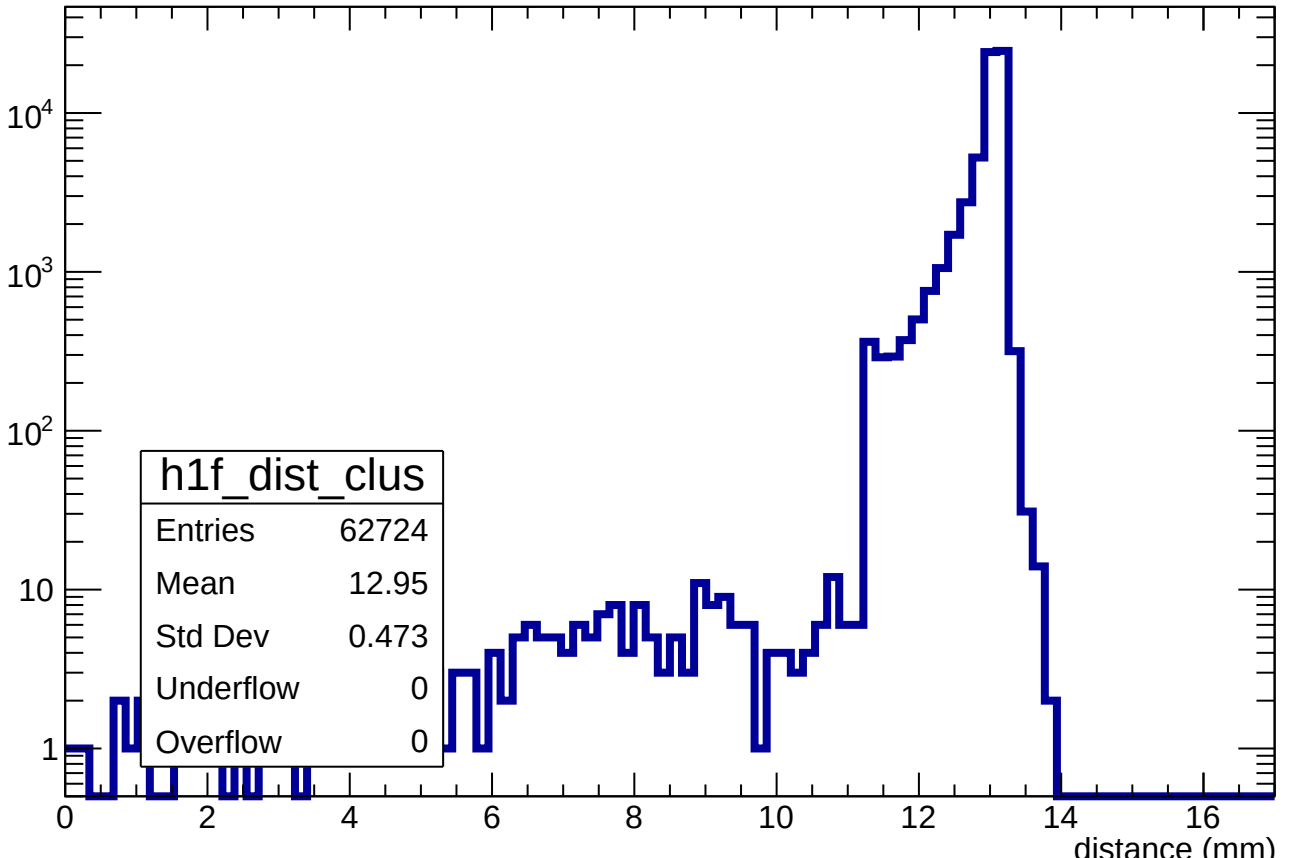

$z_{file = 50mm} - z_{computed}$
h1f_zdiff
Entries 89542
Mean 34.83
Std Dev 8.237
Underflow 0
Overflow 0
Count
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
–150
–100
–50
0
50
100
150
difference (mm)

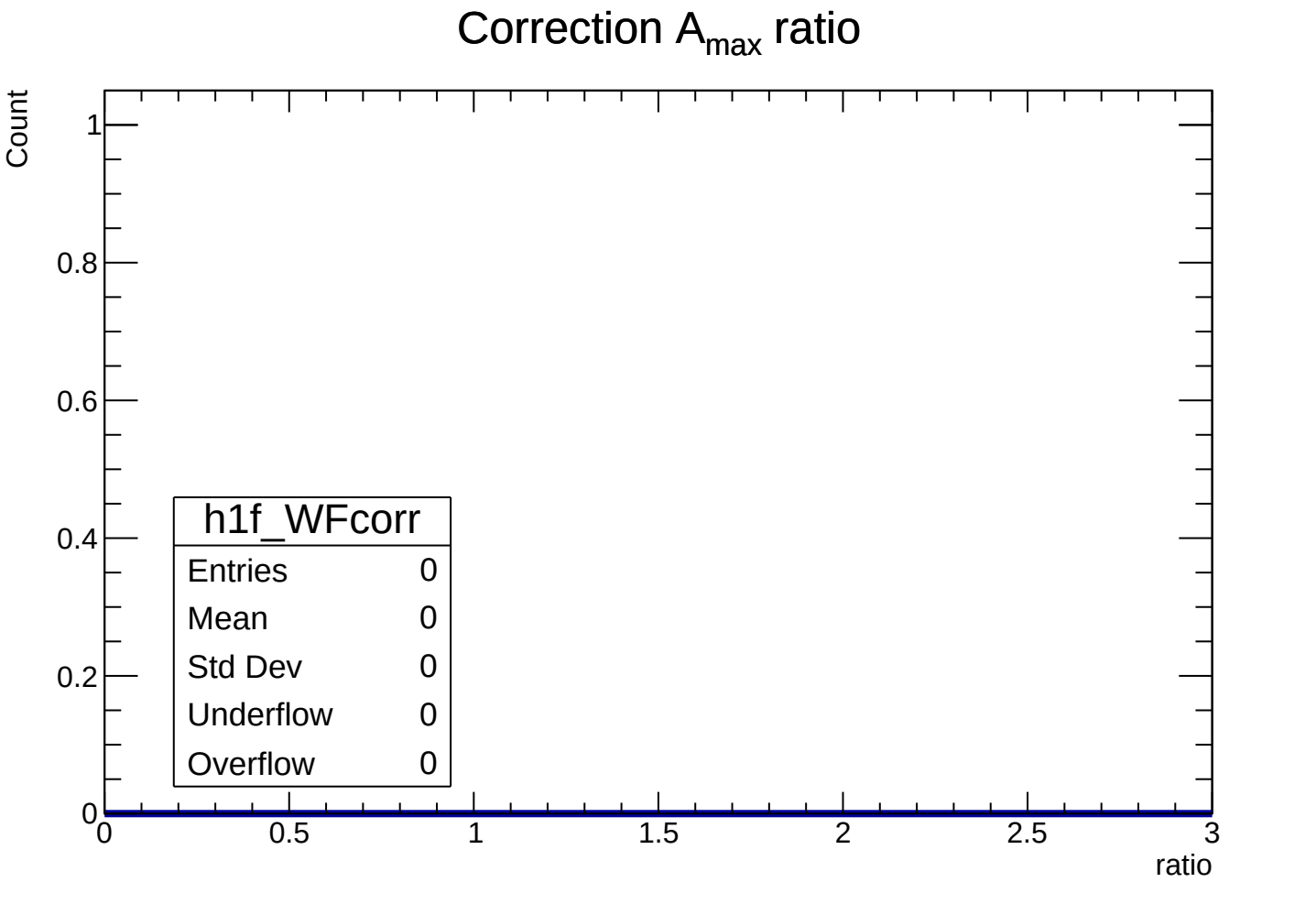

Angle φ in each pad
Count
40000
35000
30000
25000
20000
15000
10000
5000
0
–50
–40
–30
–20
–10
0
10
φ (°)
h1f_angle
Entries 89542
Mean –29.44
Std Dev 3.069
Underflow 0
Overflow 4

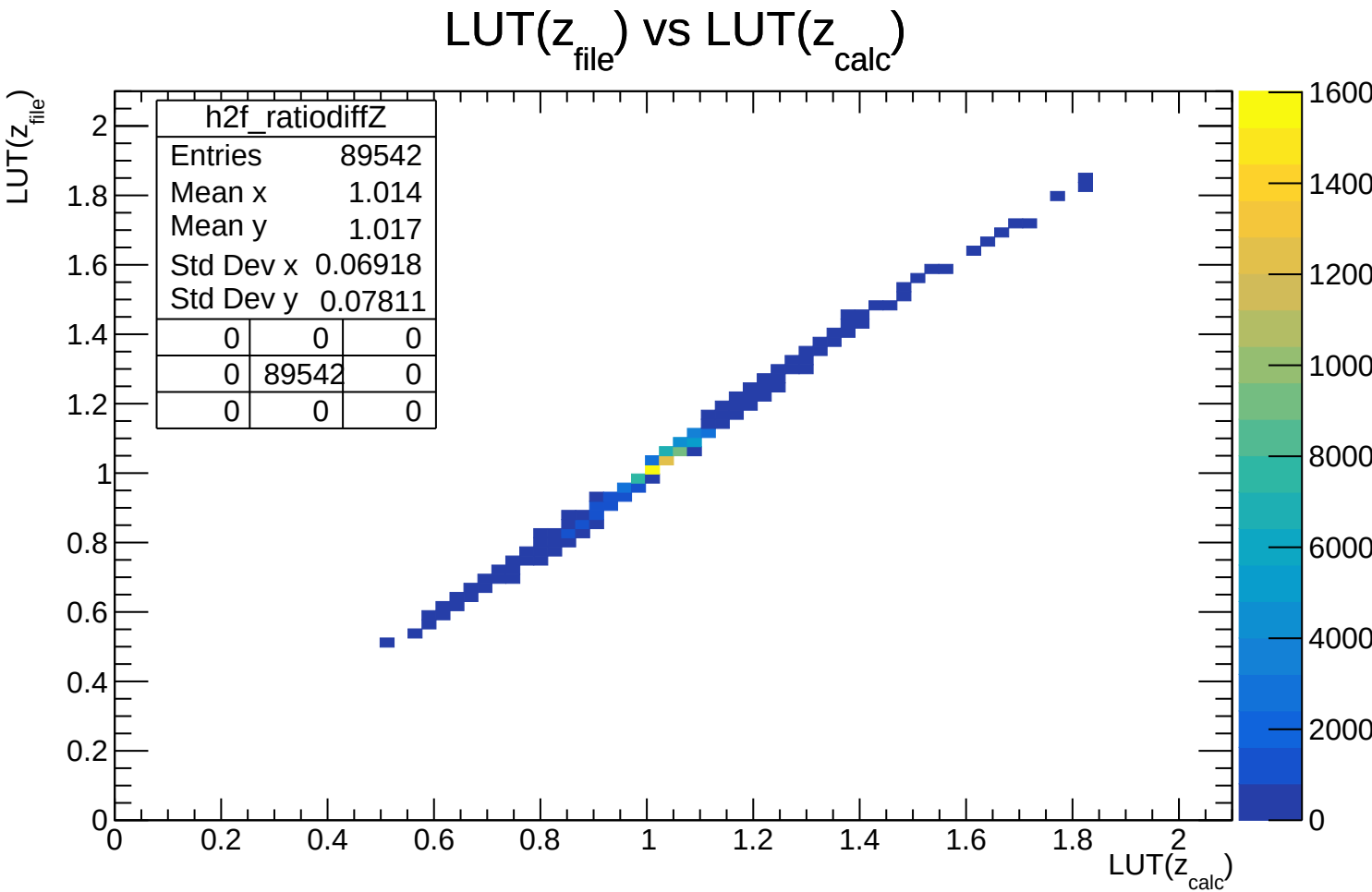

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 101551
Mean 0.6167
Std Dev 0.3293
Underflow 0
Overflow 0
Count
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L_○/L_φ

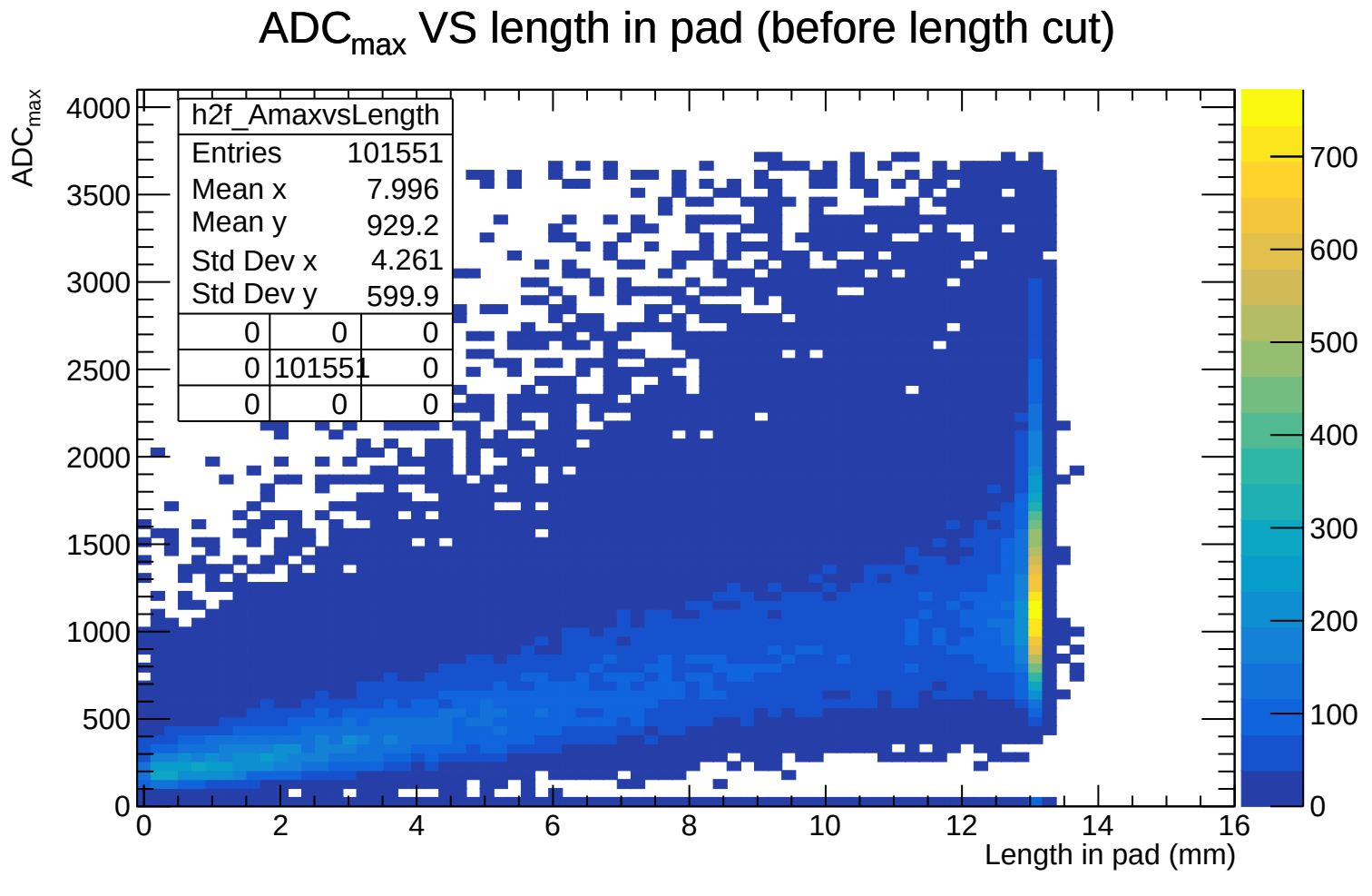

Normalized impact parameter d/d_max
10^3
10^2
10
1
h1f_dnorm
Entries 101551
Mean 0.003346
Std Dev 0.5766
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d_max

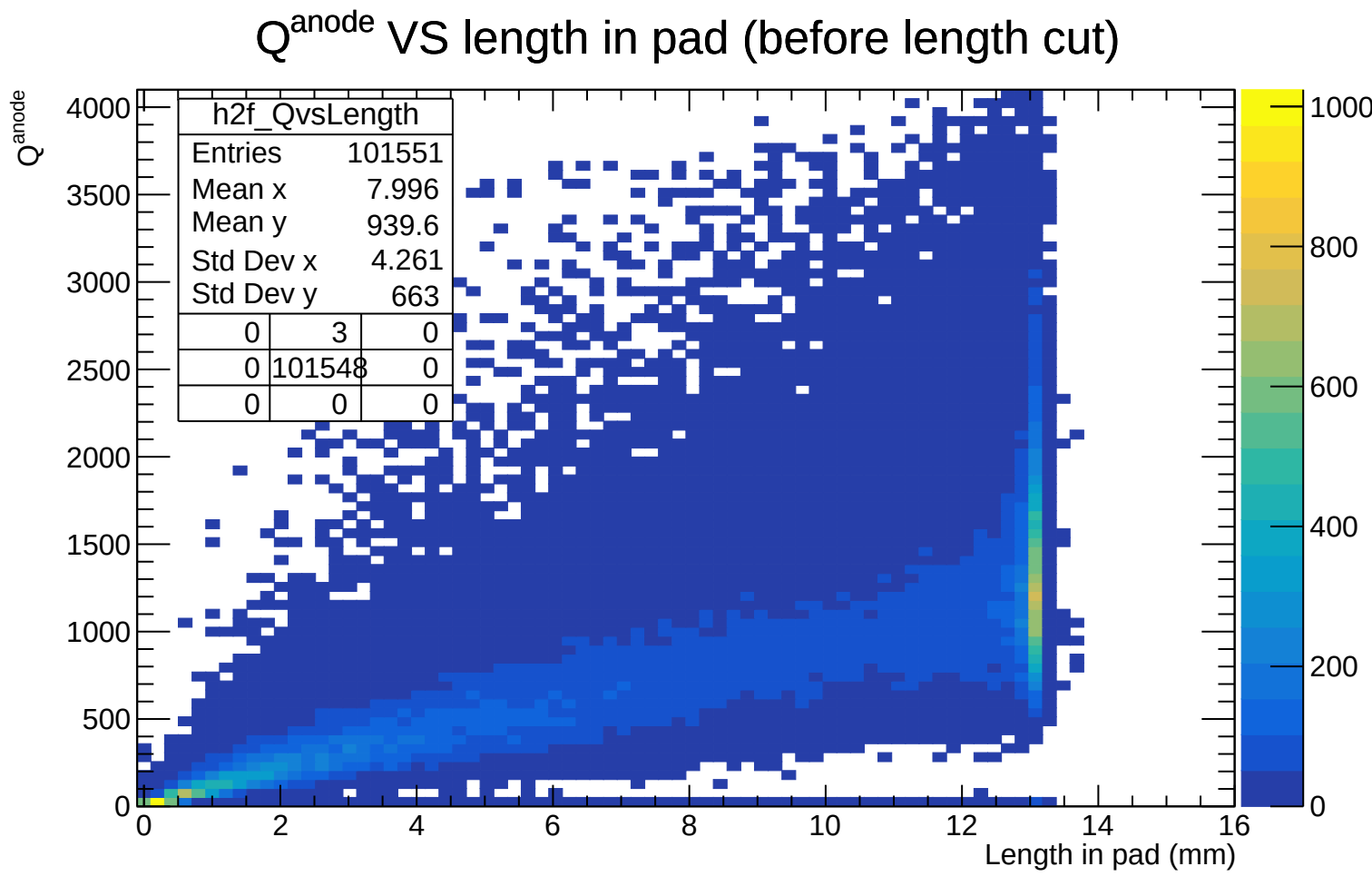

distance of track in pad
10^4
10^3
10^2
10
1
0
2
4
6
8
10
12
14
16
distance (mm)
h1f_dist
Entries 101551
Mean 7.996
Std Dev 4.261
Underflow 0
Overflow 0

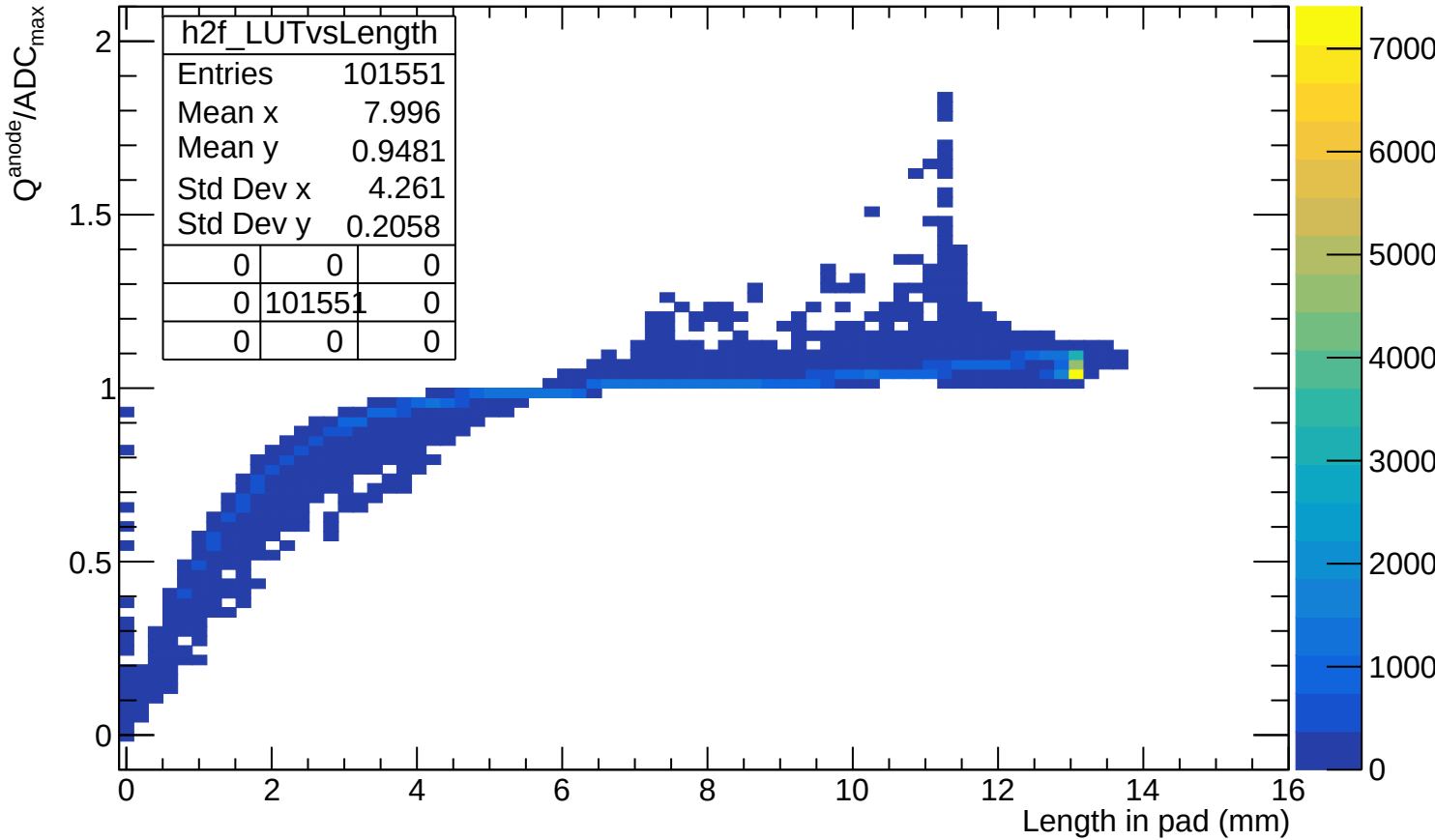

distance of track in cluster
h1f_dist_clus
Entries 62724
Mean 12.95
Std Dev 0.473
Underflow 0
Overflow 0
distance (mm)

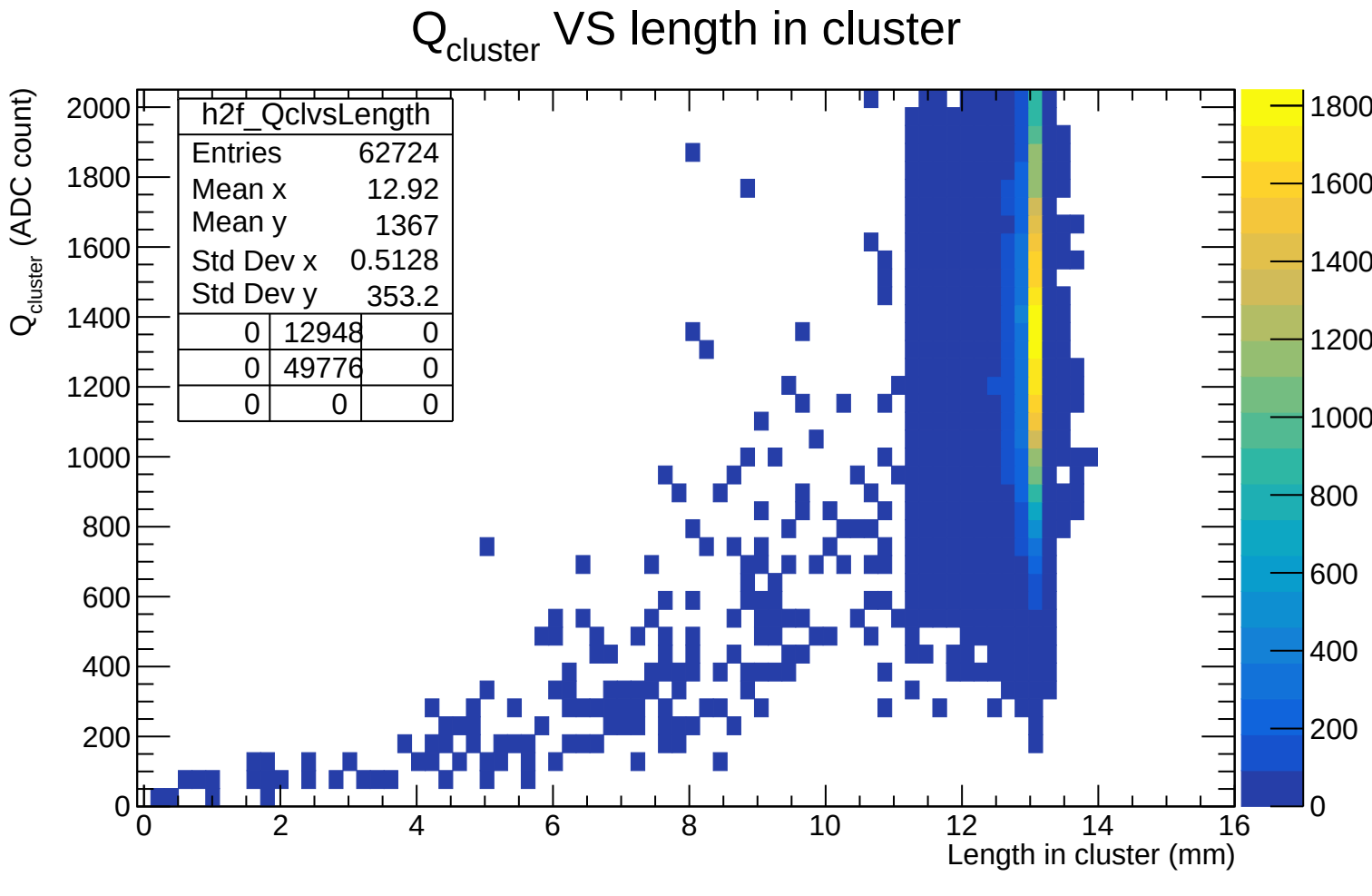

Correction A_{max} ratio
Count
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
ratio
h1f_WFcorr
Entries 0
Mean 0
Std Dev 0
Underflow 0
Overflow 0

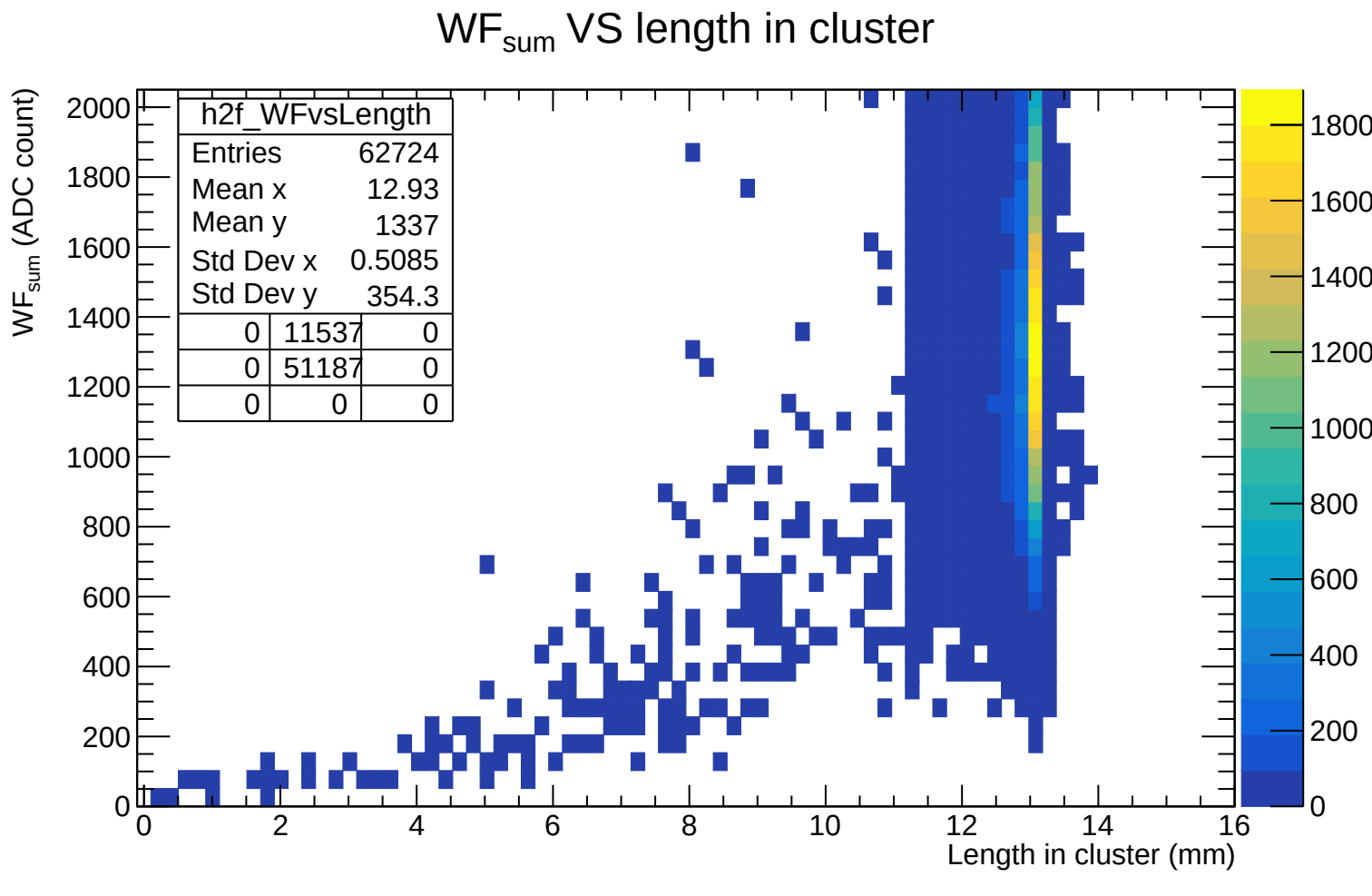

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 89542
Mean x 1.014
Mean y 1.017
Std Dev x 0.06918
Std Dev y 0.07811
0 0 0
0 89542 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 2000 4000 6000 8000 1000 1200 1400 1600

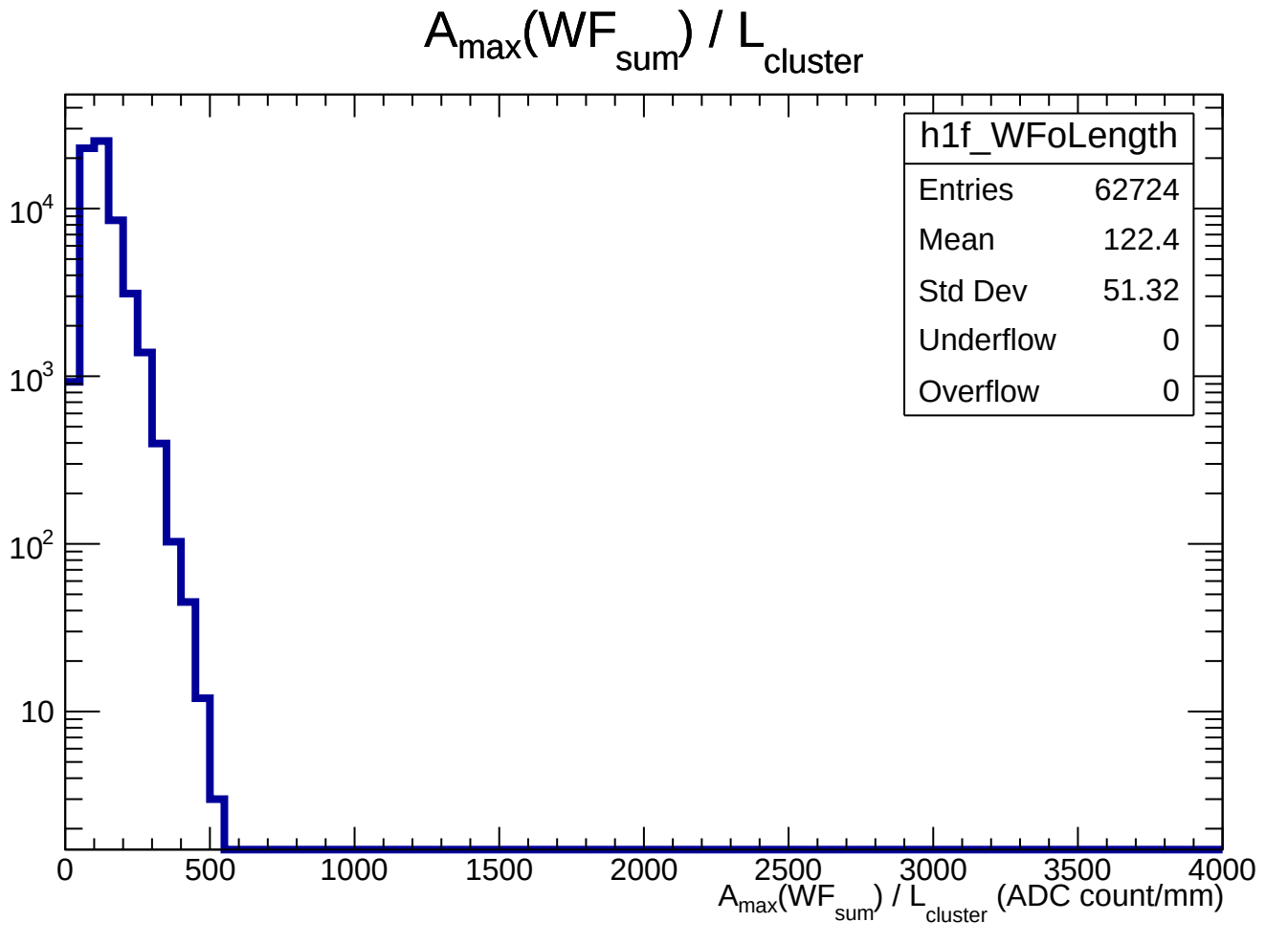

ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 101551
Mean x 7.996
Mean y 929.2
Std Dev x 4.261
Std Dev y 599.9
0 0 0
0 101551 0
0 0 0
ADC$_{max}$
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
100
200
300
400
500
600
700

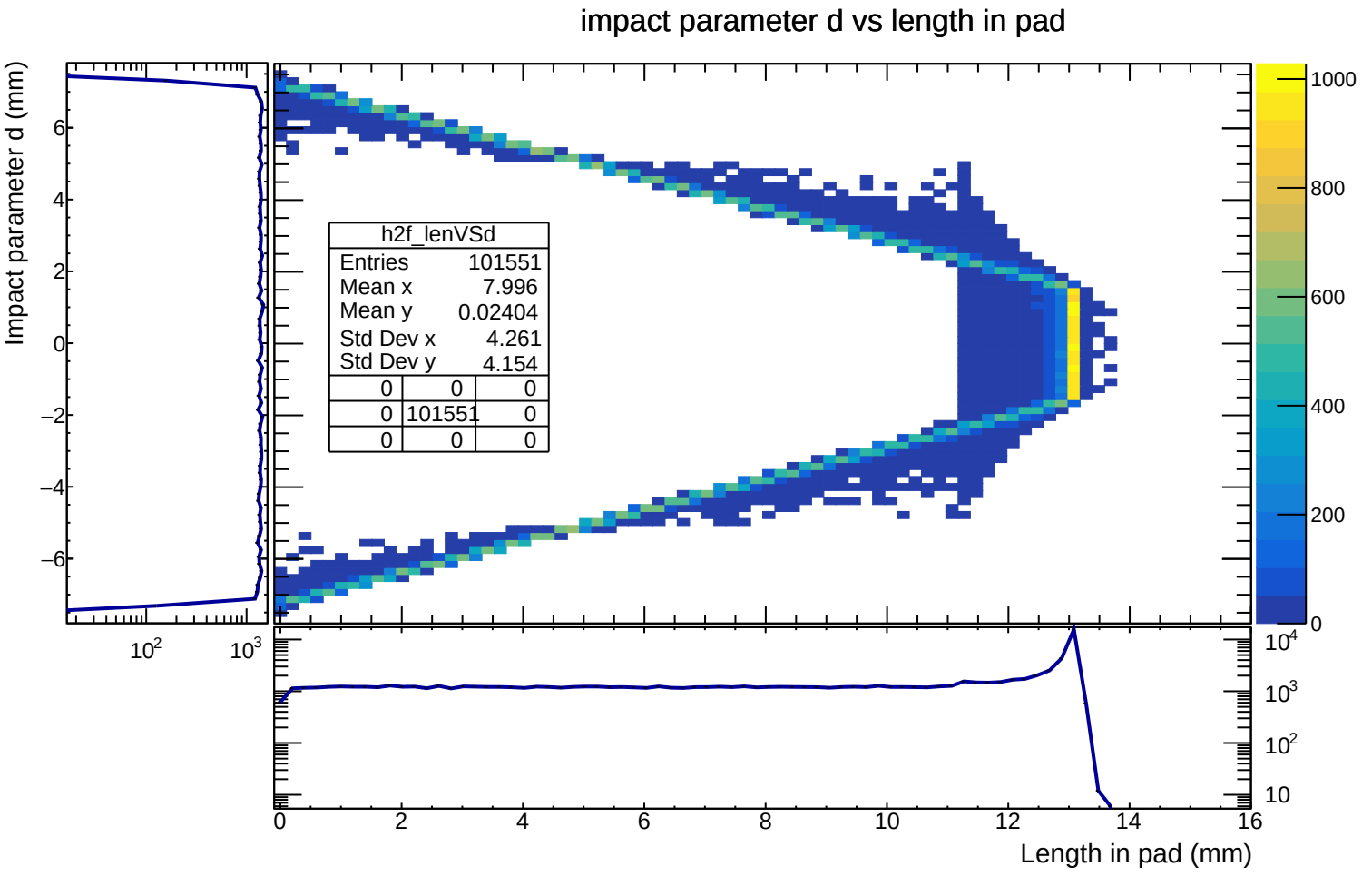

Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 101551
Mean x 7.996
Mean y 939.6
Std Dev x 4.261
Std Dev y 663
0 3 0
0 101548 0
0 0 0
Q^anode
Length in pad (mm)
0
500
1000
1500
2000
2500
3000
3500
4000
0
2
4
6
8
10
12
14
16
0
200
400
600
800
1000


Q^{anode}/ADC_{max} VS length in pad (before length cut)
h2f_LUTvsLength
Entries 101551
Mean x 7.996
Mean y 0.9481
Std Dev x 4.261
Std Dev y 0.2058
0 0 0
0 101551 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
6000
7000


$Q_{cluster}$ VS length in cluster
h2f_QclvsLength
Entries 62724
Mean x 12.92
Mean y 1367
Std Dev x 0.5128
Std Dev y 353.2
0 12948 0
0 49776 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
0 200 400 600 800 1000 1200 1400 1600 1800


WF$_{sum}$ VS length in cluster
h2f_WFvsLength
Entries 62724
Mean x 12.93
Mean y 1337
Std Dev x 0.5085
Std Dev y 354.3
0 11537 0
0 51187 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
0 200 400 600 800 1000 1200 1400 1600 1800


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 62724
Mean 122.4
Std Dev 51.32
Underflow 0
Overflow 0
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 101551
Mean x 7.996
Mean y 0.02404
Std Dev x 4.261
Std Dev y 4.154
0 0 0
0 101551 0
0 0 0