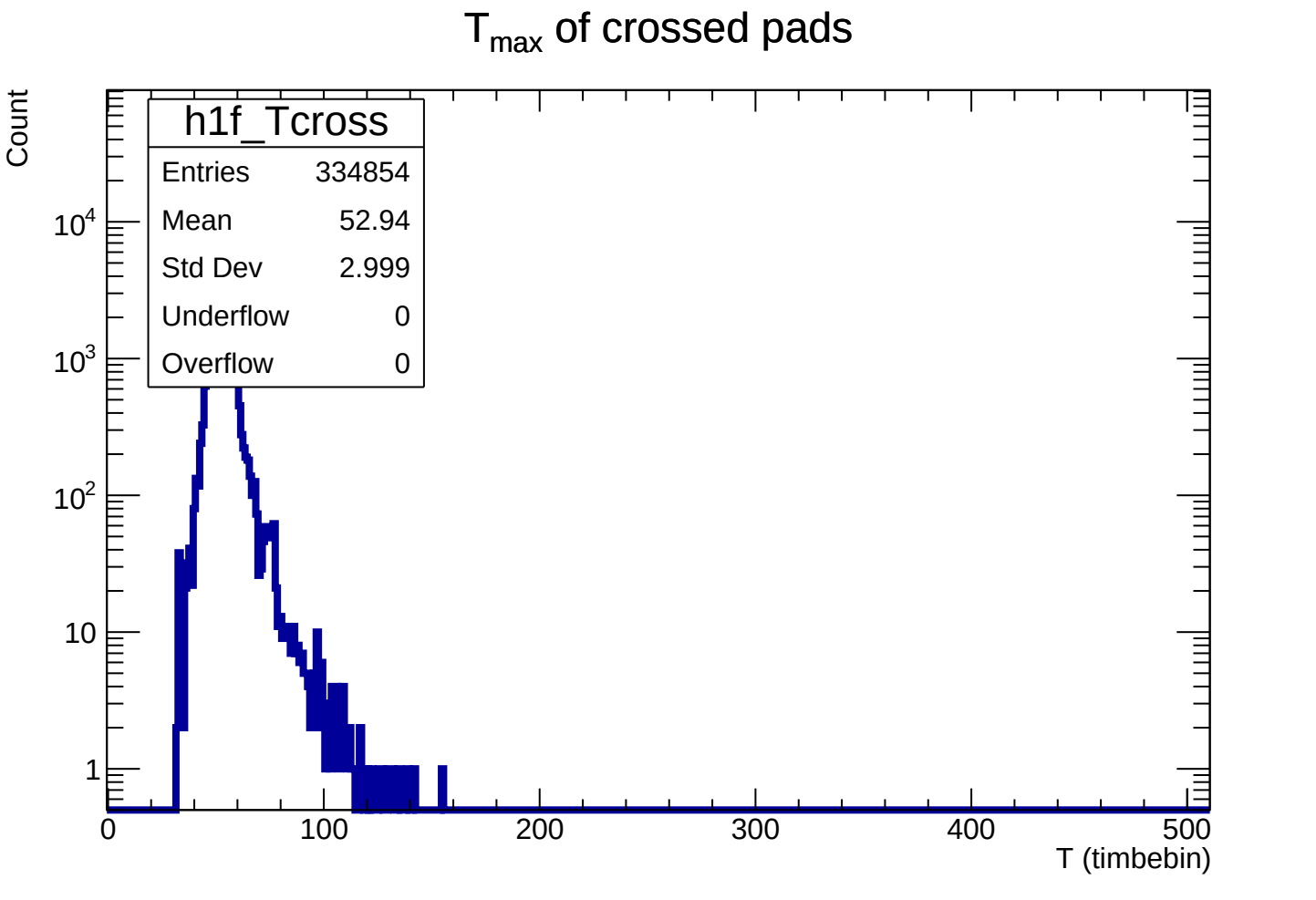
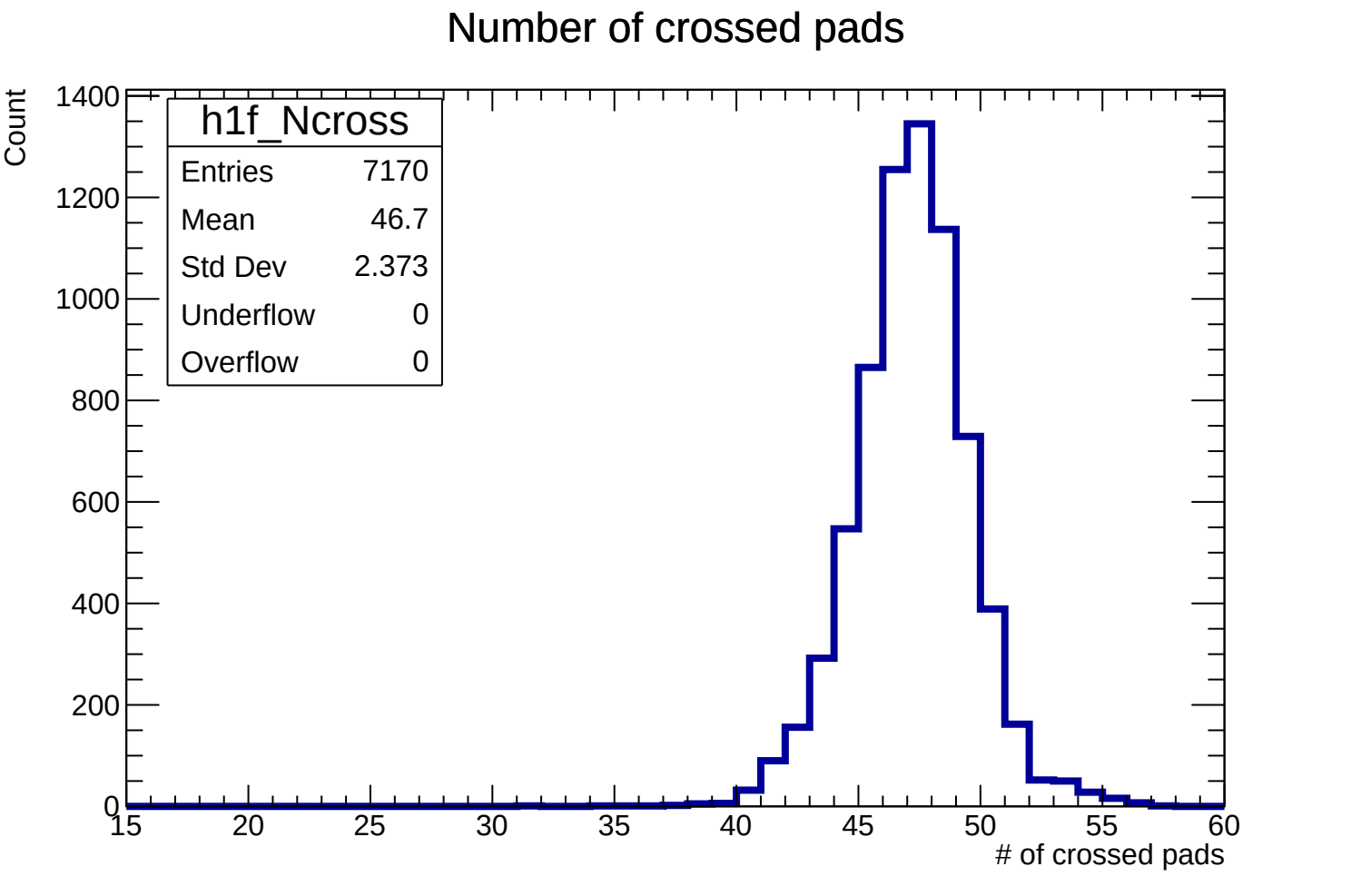
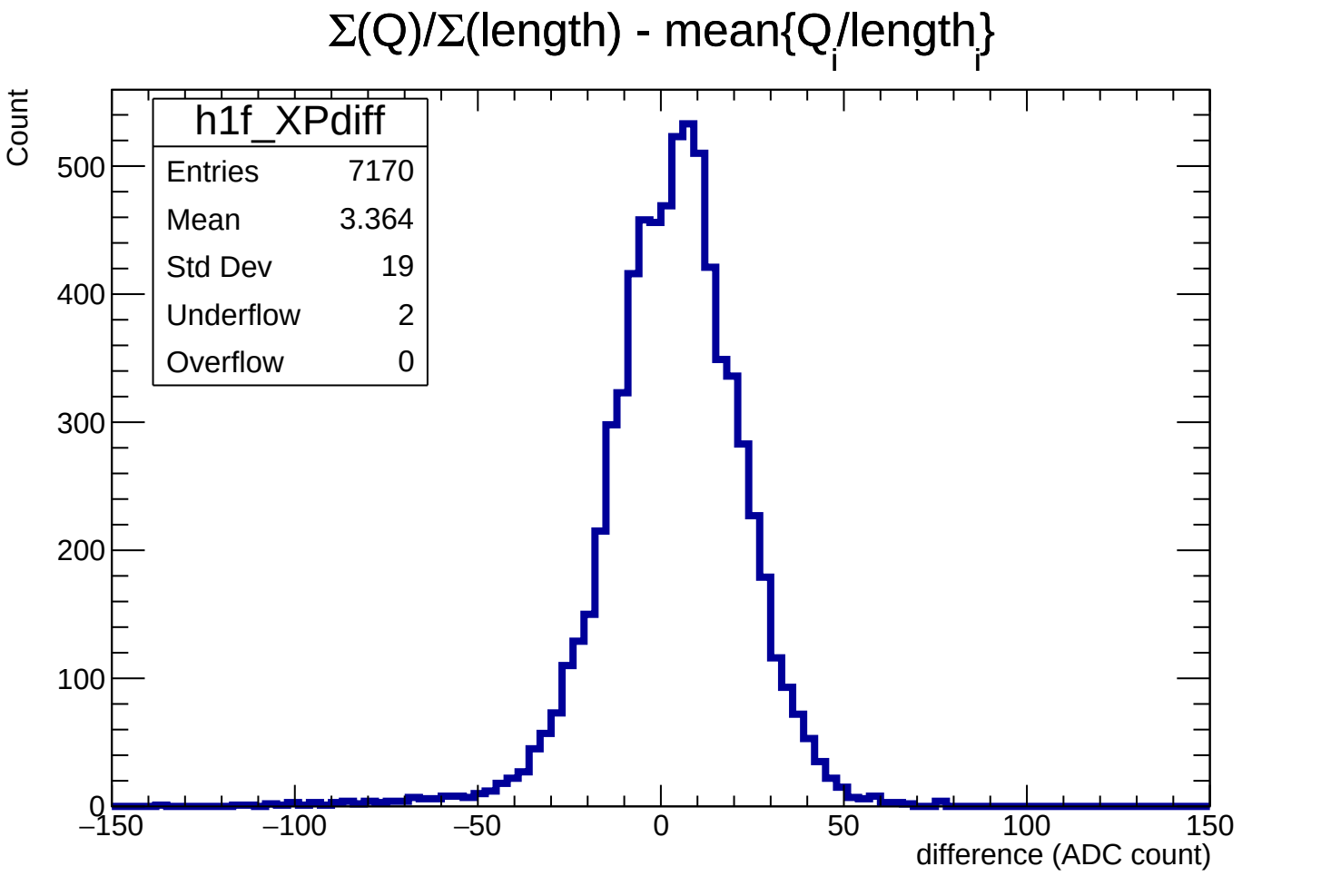
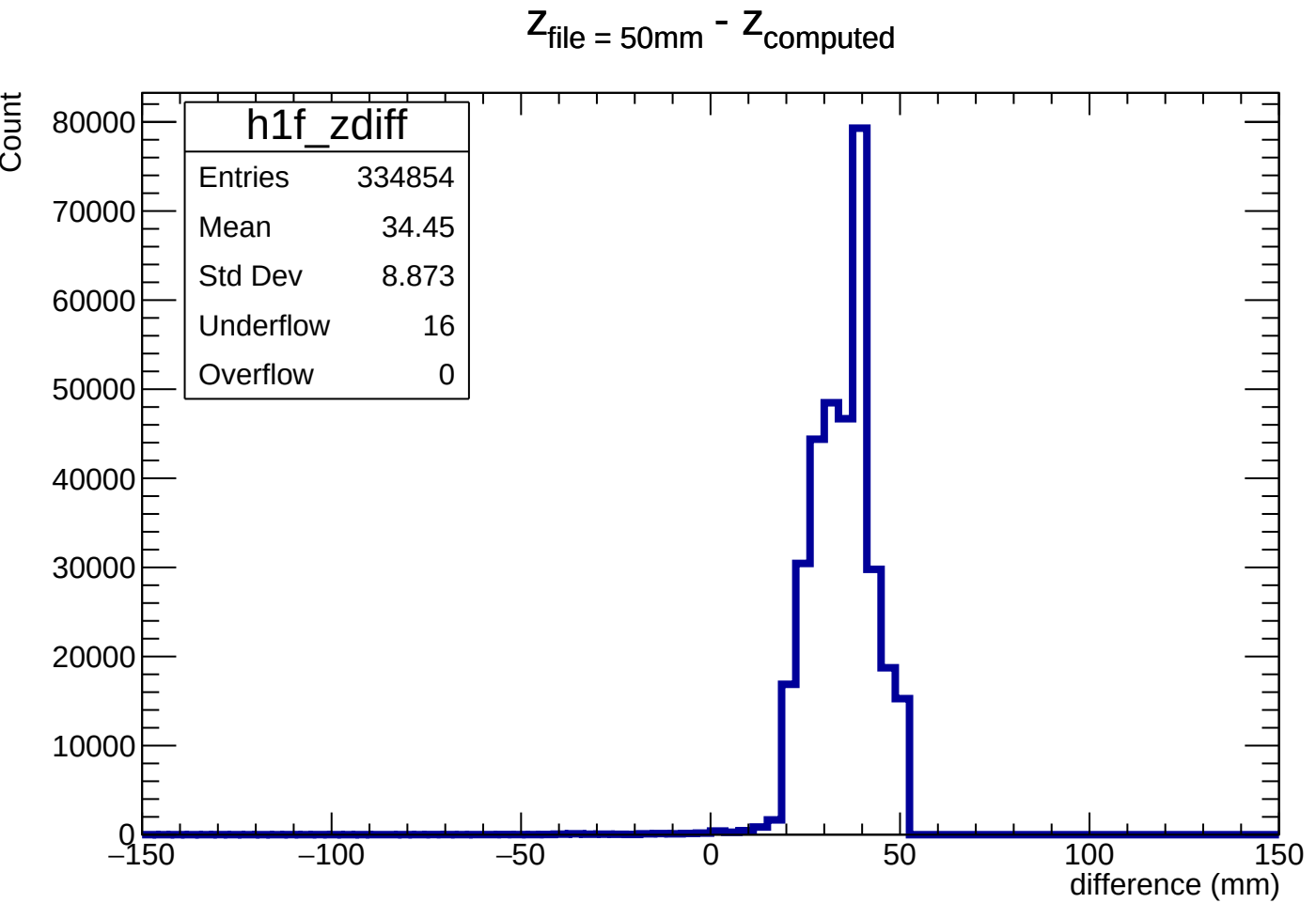
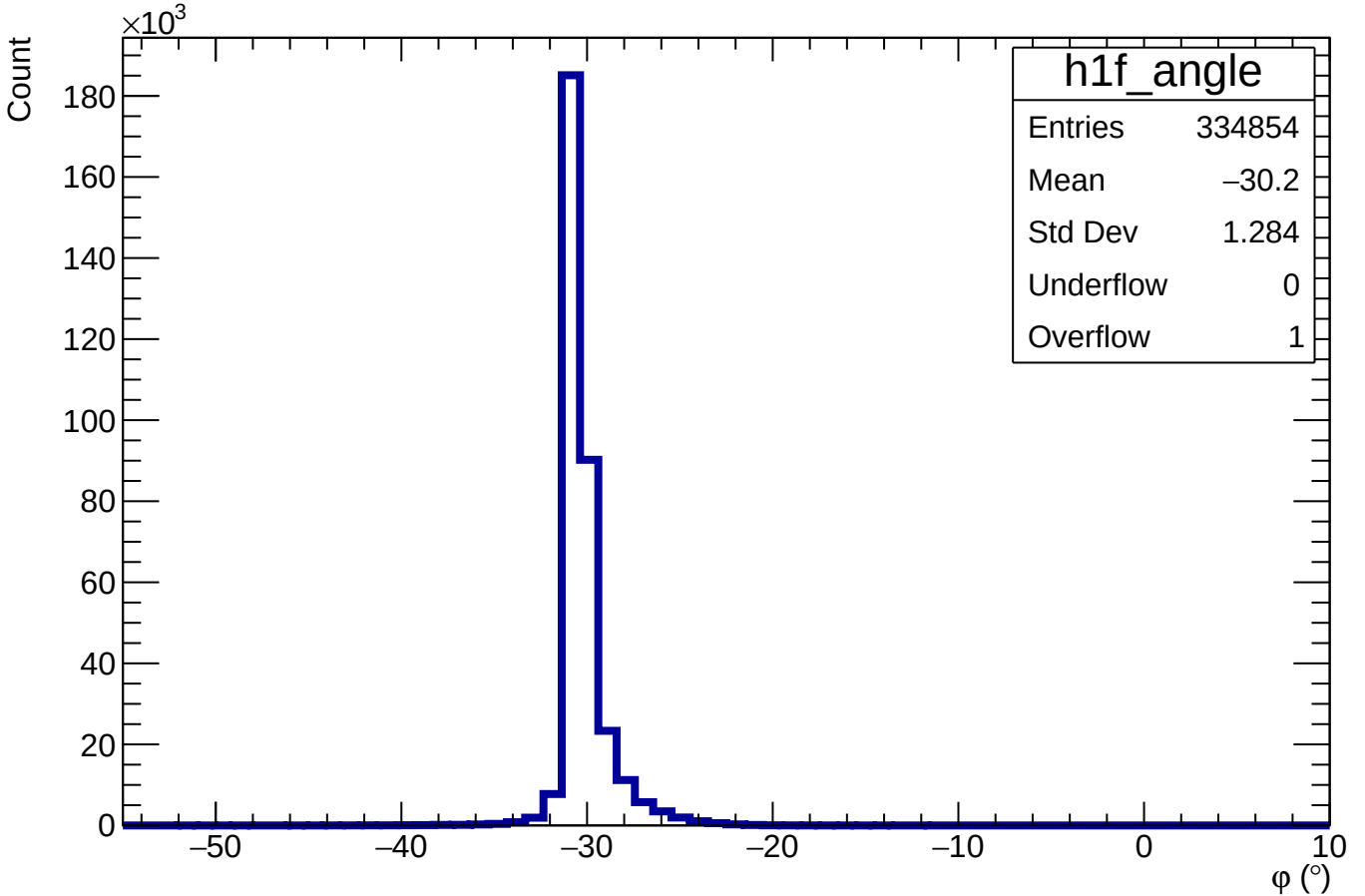
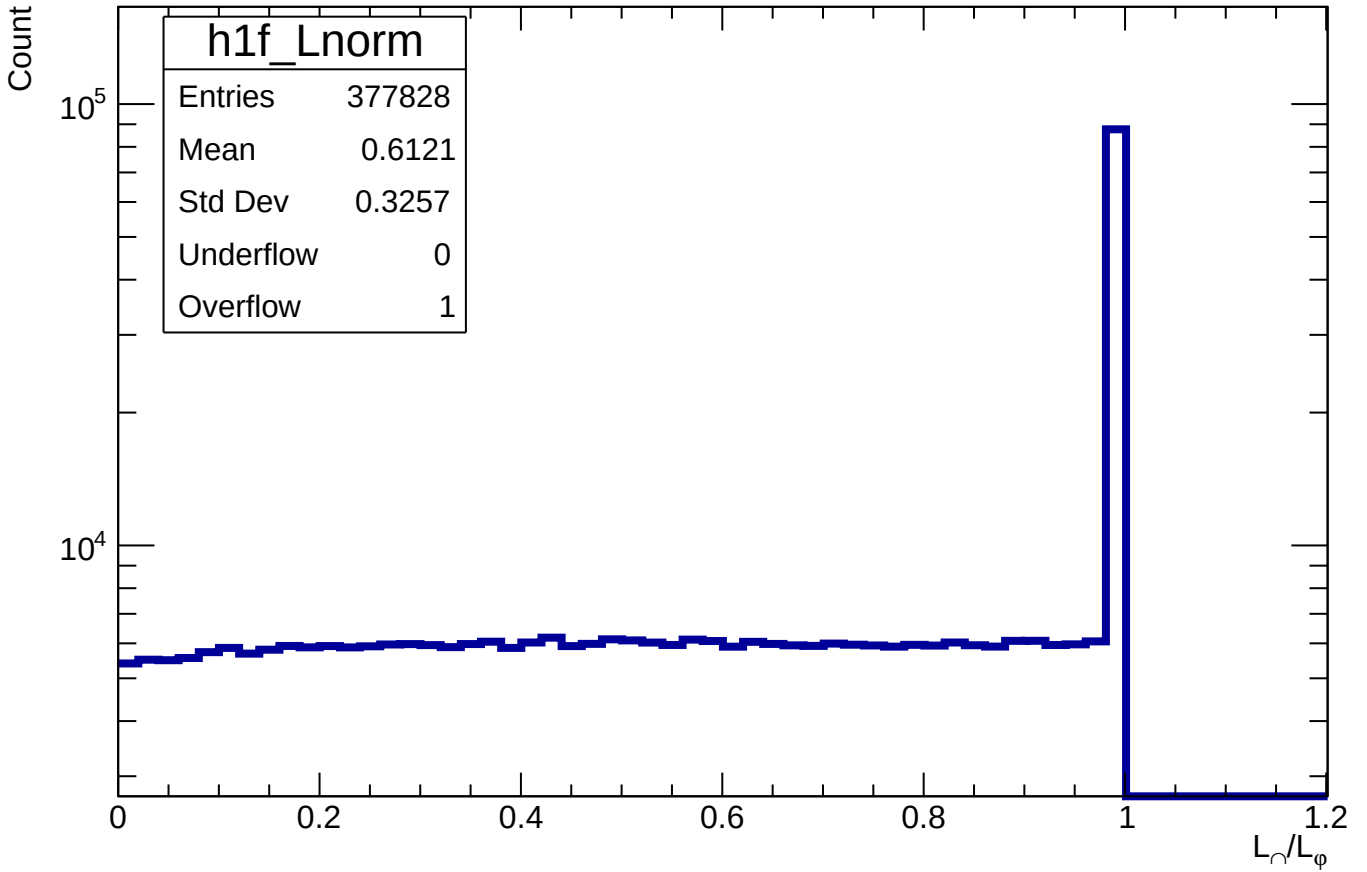

T_{max} of crossed pads
h1f_Tcross
Entries 334854
Mean 52.94
Std Dev 2.999
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

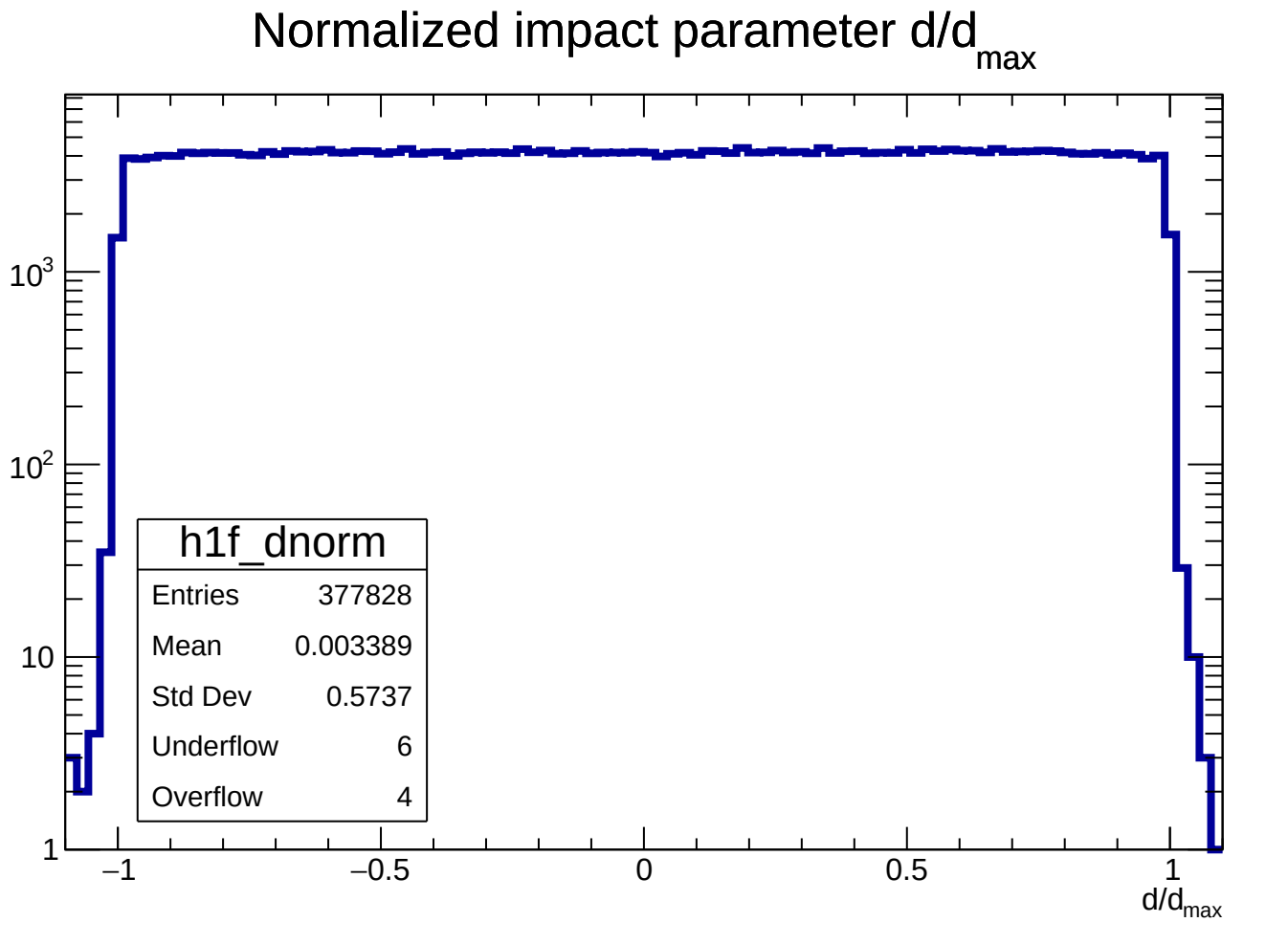

Number of crossed pads
h1f_Ncross
Entries 7170
Mean 46.7
Std Dev 2.373
Underflow 0
Overflow 0
Count
# of crossed pads
0
200
400
600
800
1000
1200
1400
15
20
25
30
35
40
45
50
55
60

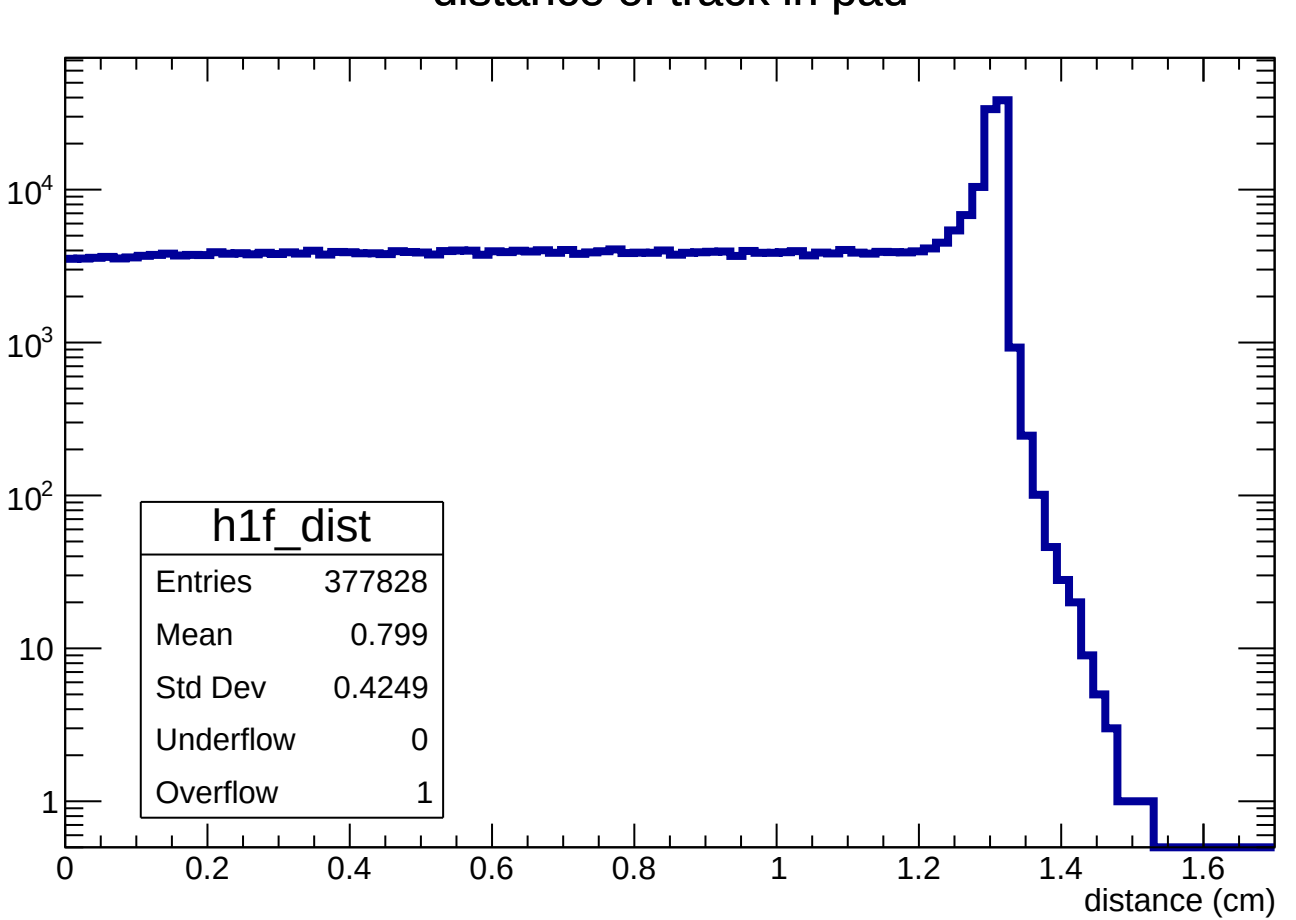

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 7170
Mean 3.364
Std Dev 19
Underflow 2
Overflow 0
Count
0
100
200
300
400
500
–150
–100
–50
0
50
100
150
difference (ADC count)

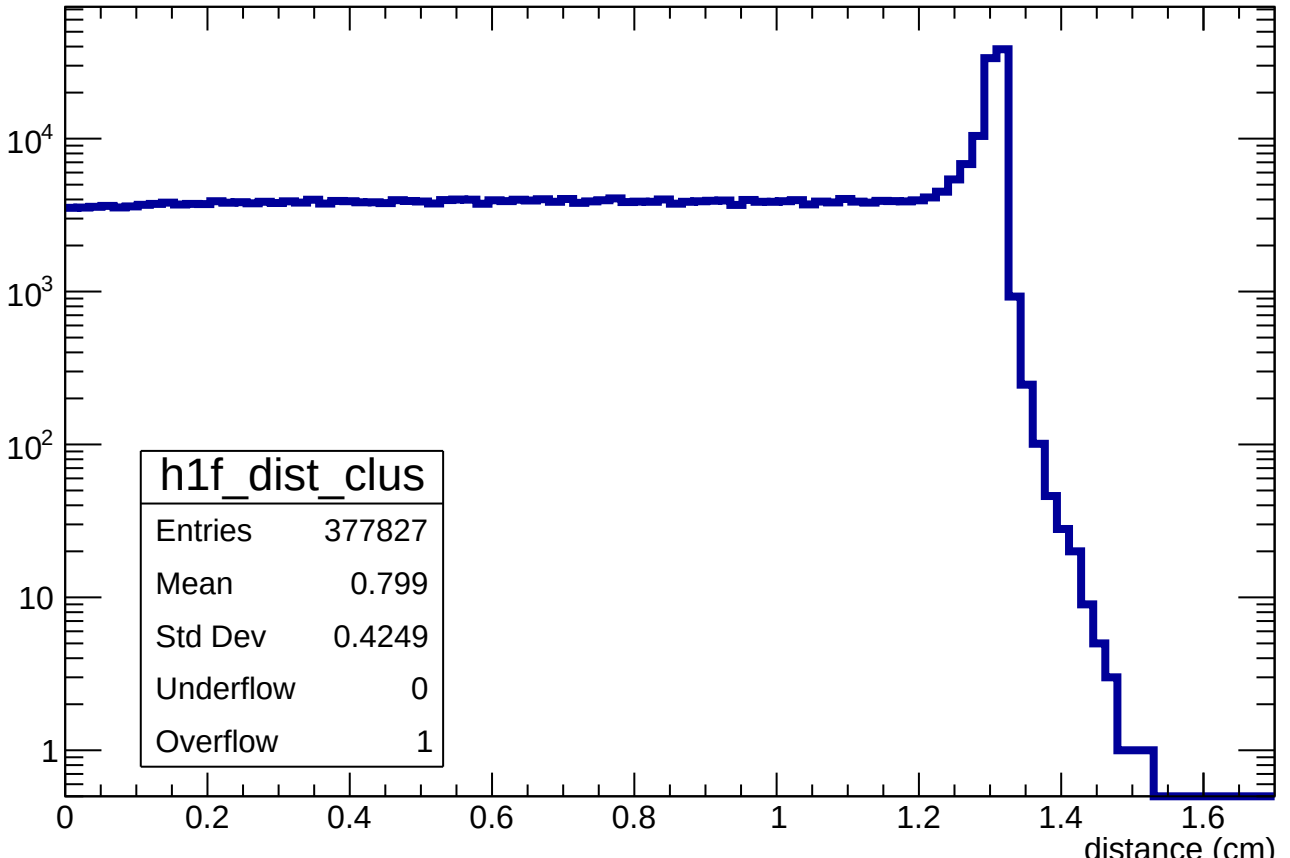

$z_{file = 50mm} - z_{computed}$
h1f_zdiff
Entries 334854
Mean 34.45
Std Dev 8.873
Underflow 16
Overflow 0
Count
80000
70000
60000
50000
40000
30000
20000
10000
0
–150
–100
–50
0
50
100
150
difference (mm)

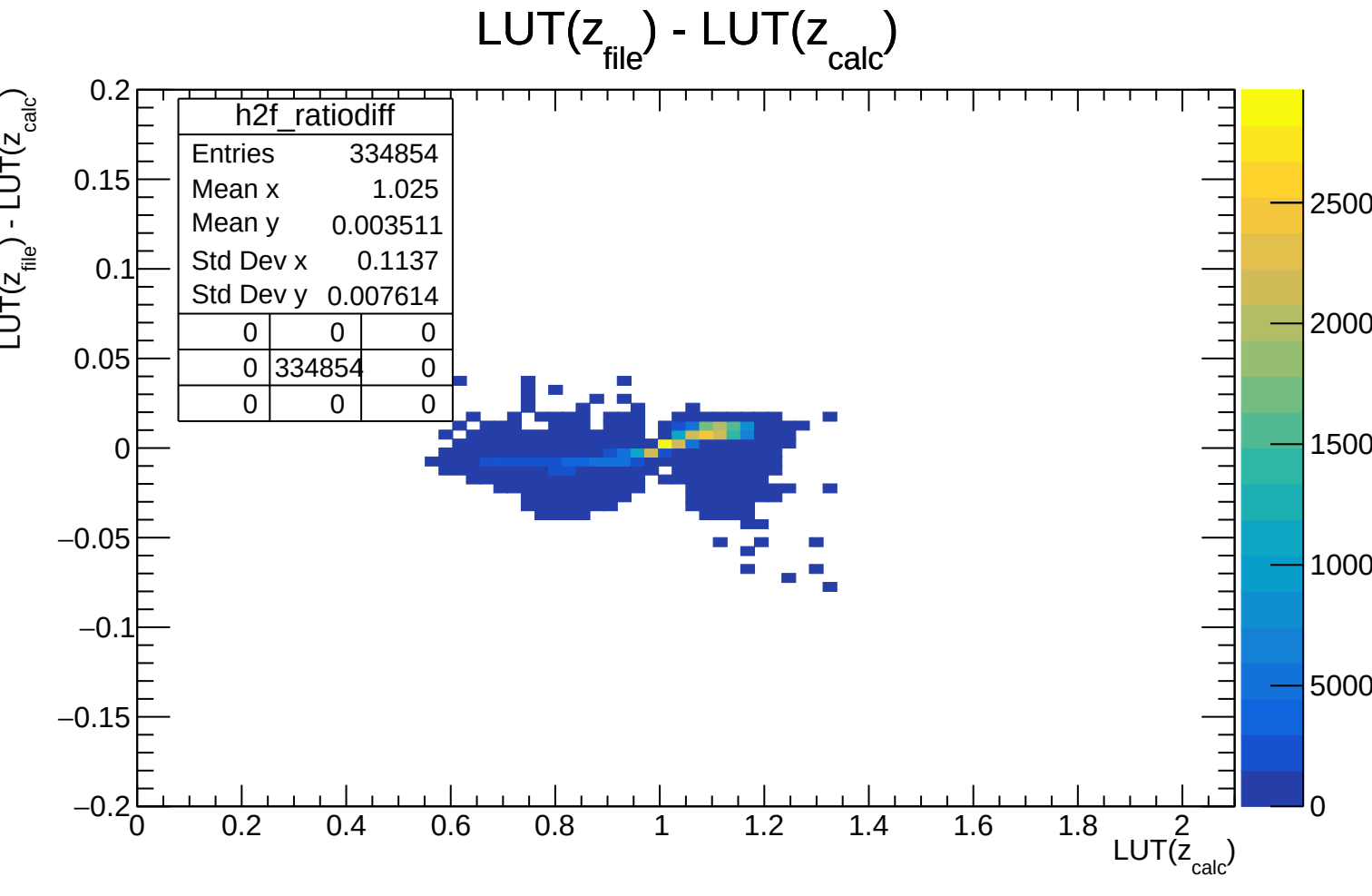

Angle φ in each pad
×10^3
Count
180
160
140
120
100
80
60
40
20
0
h1f_angle
Entries 334854
Mean −30.2
Std Dev 1.284
Underflow 0
Overflow 1
−50
−40
−30
−20
−10
0
10
φ (°)

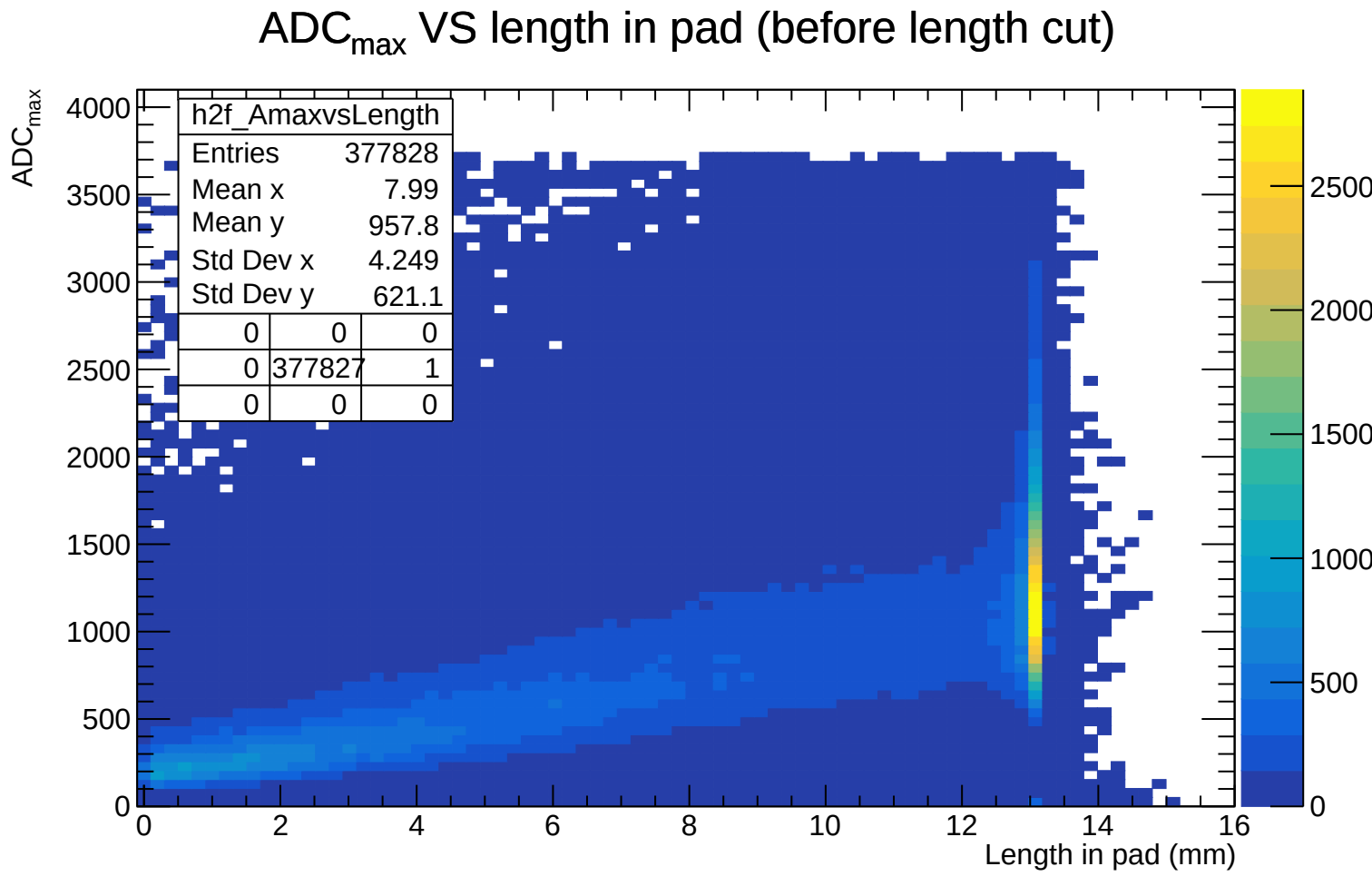

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 377828
Mean 0.6121
Std Dev 0.3257
Underflow 0
Overflow 1
Count
10^5
10^4
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

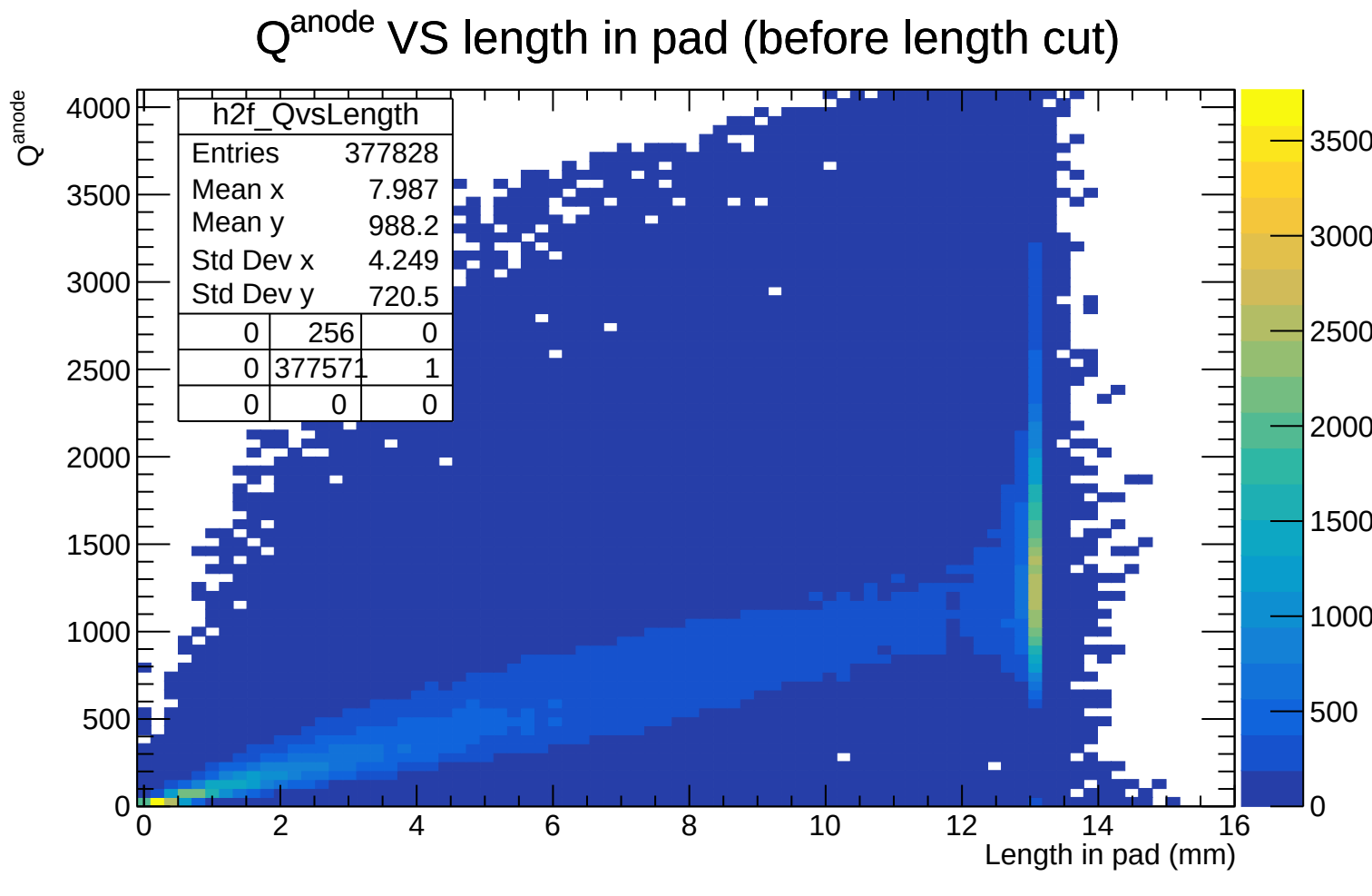

Normalized impact parameter d/d_max
10^3
10^2
10
1
h1f_dnorm
Entries 377828
Mean 0.003389
Std Dev 0.5737
Underflow 6
Overflow 4
−1
−0.5
0
0.5
1
d/d_max

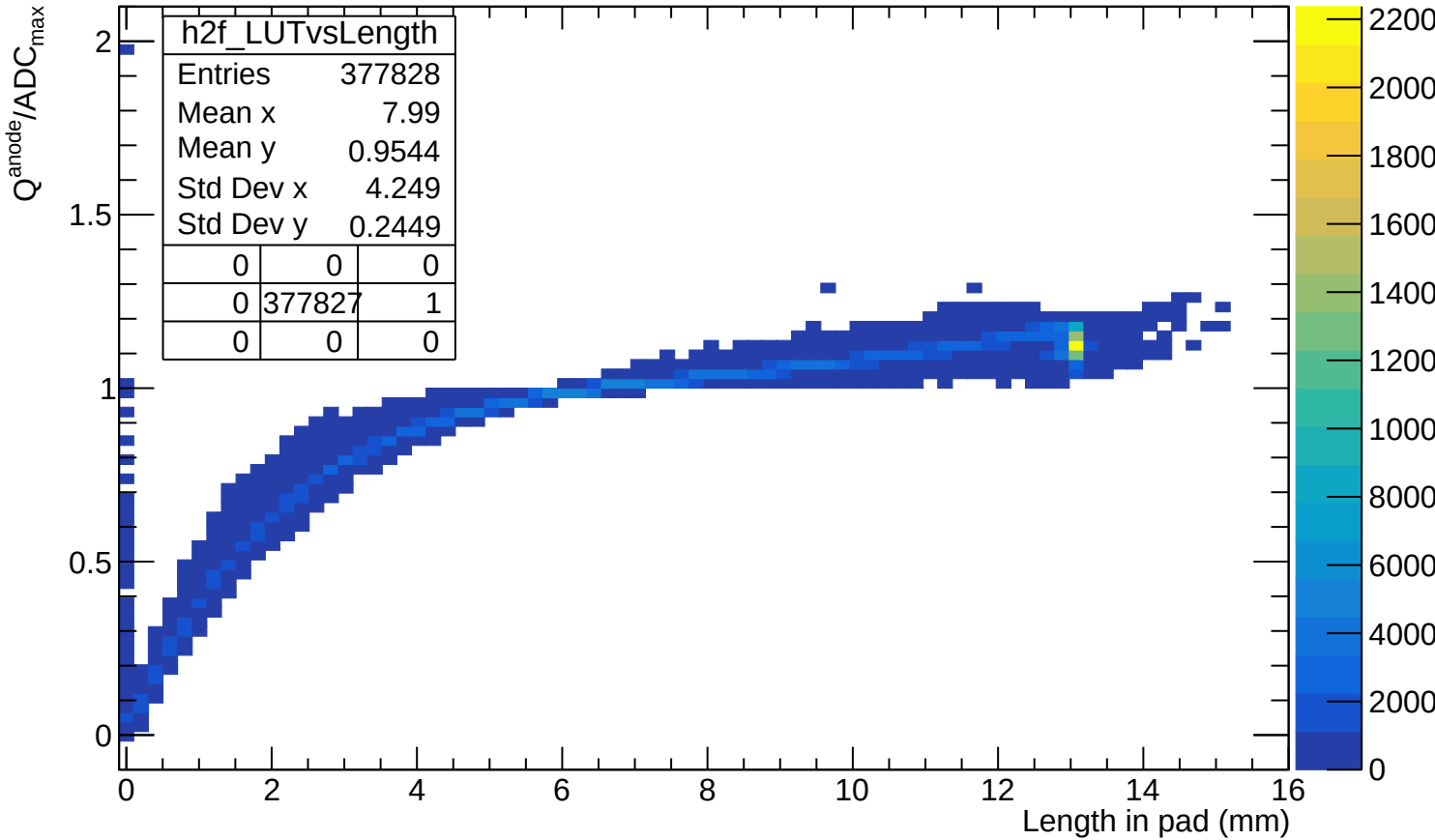

distance of track in pad
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)
h1f_dist
Entries 377828
Mean 0.799
Std Dev 0.4249
Underflow 0
Overflow 1

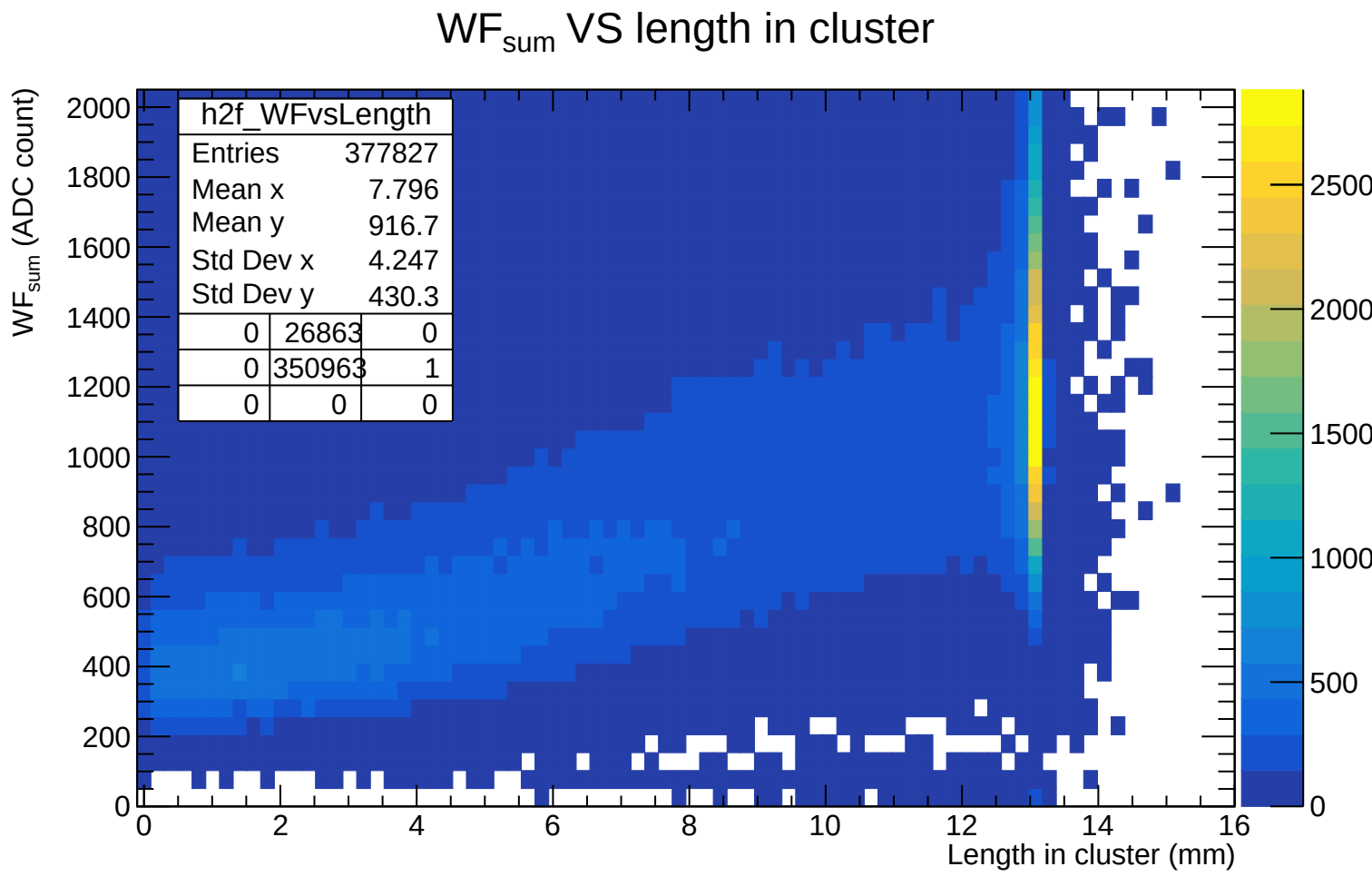

distance of track in cluster
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)
h1f_dist_clus
Entries 377827
Mean 0.799
Std Dev 0.4249
Underflow 0
Overflow 1

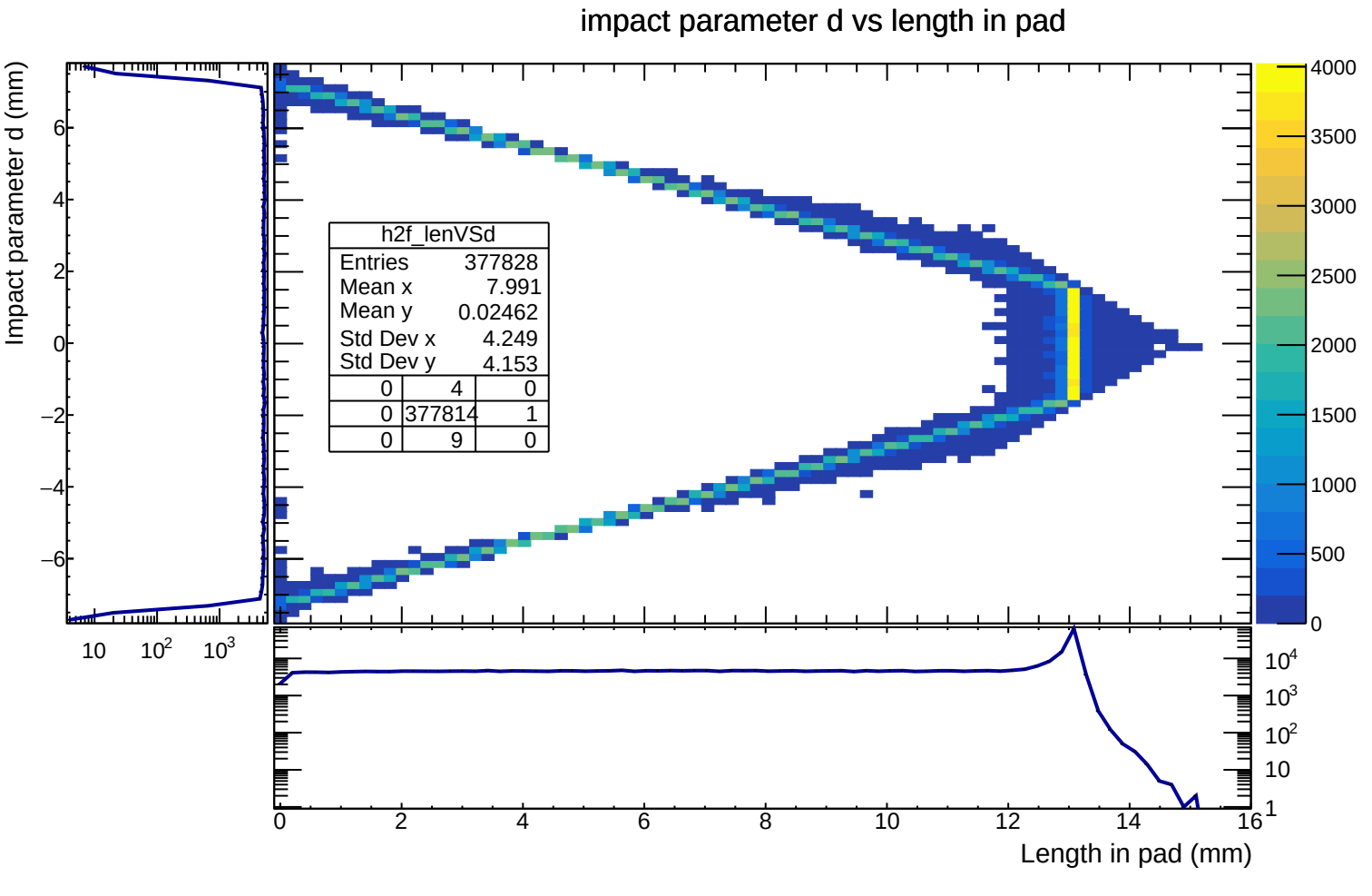

LUT(z_file) - LUT(z_calc)
h2f_ratiodiff
Entries 334854
Mean x 1.025
Mean y 0.003511
Std Dev x 0.1137
Std Dev y 0.007614
0 0 0
0 334854 0
0 0 0
LUT(z_file) - LUT(z_calc)
LUT(z_calc)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2500
2000
1500
1000
5000
0


ADC$_{max}$ VS length in pad (before length cut)
ADC$_{max}$
Length in pad (mm)
h2f_AmaxvsLength
Entries 377828
Mean x 7.99
Mean y 957.8
Std Dev x 4.249
Std Dev y 621.1
0 0 0
0 377827 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 377828
Mean x 7.987
Mean y 988.2
Std Dev x 4.249
Std Dev y 720.5
0 256 0
0 377571 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)
3500 3000 2500 2000 1500 1000 500 0


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 377828
Mean x 7.99
Mean y 0.9544
Std Dev x 4.249
Std Dev y 0.2449
0 0 0
0 377827 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
2200
2000
1800
1600
1400
1200
1000
8000
6000
4000
2000
0


WF_sum VS length in cluster
h2f_WFvsLength
Entries 377827
Mean x 7.796
Mean y 916.7
Std Dev x 4.247
Std Dev y 430.3
0 26863 0
0 350963 1
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
500
1000
1500
2000
2500


impact parameter d vs length in pad
Impact parameter d (mm)
Length in pad (mm)
h2f_lenVSd
Entries 377828
Mean x 7.991
Mean y 0.02462
Std Dev x 4.249
Std Dev y 4.153
0 4 0
0 377814 1
0 9 0