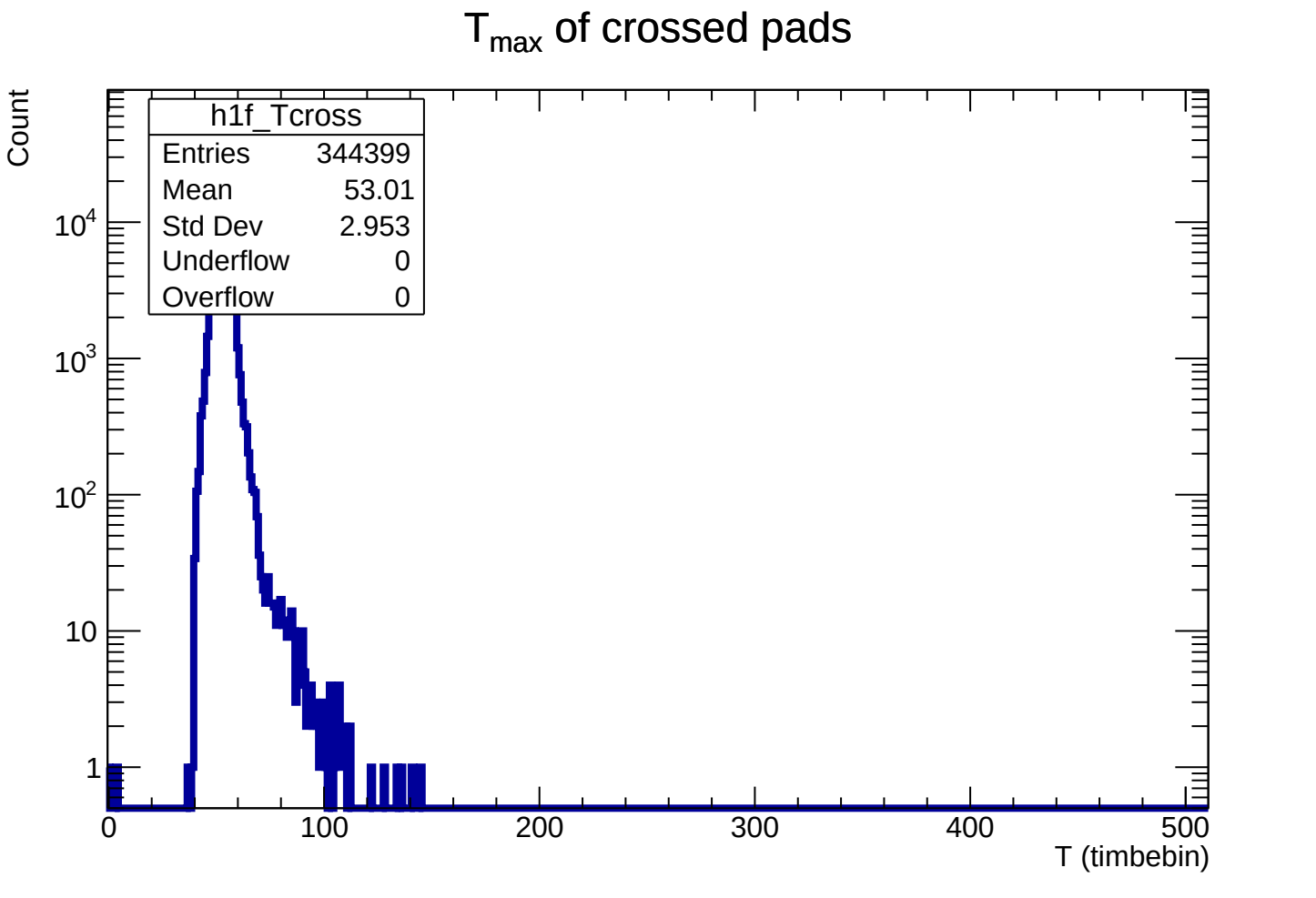
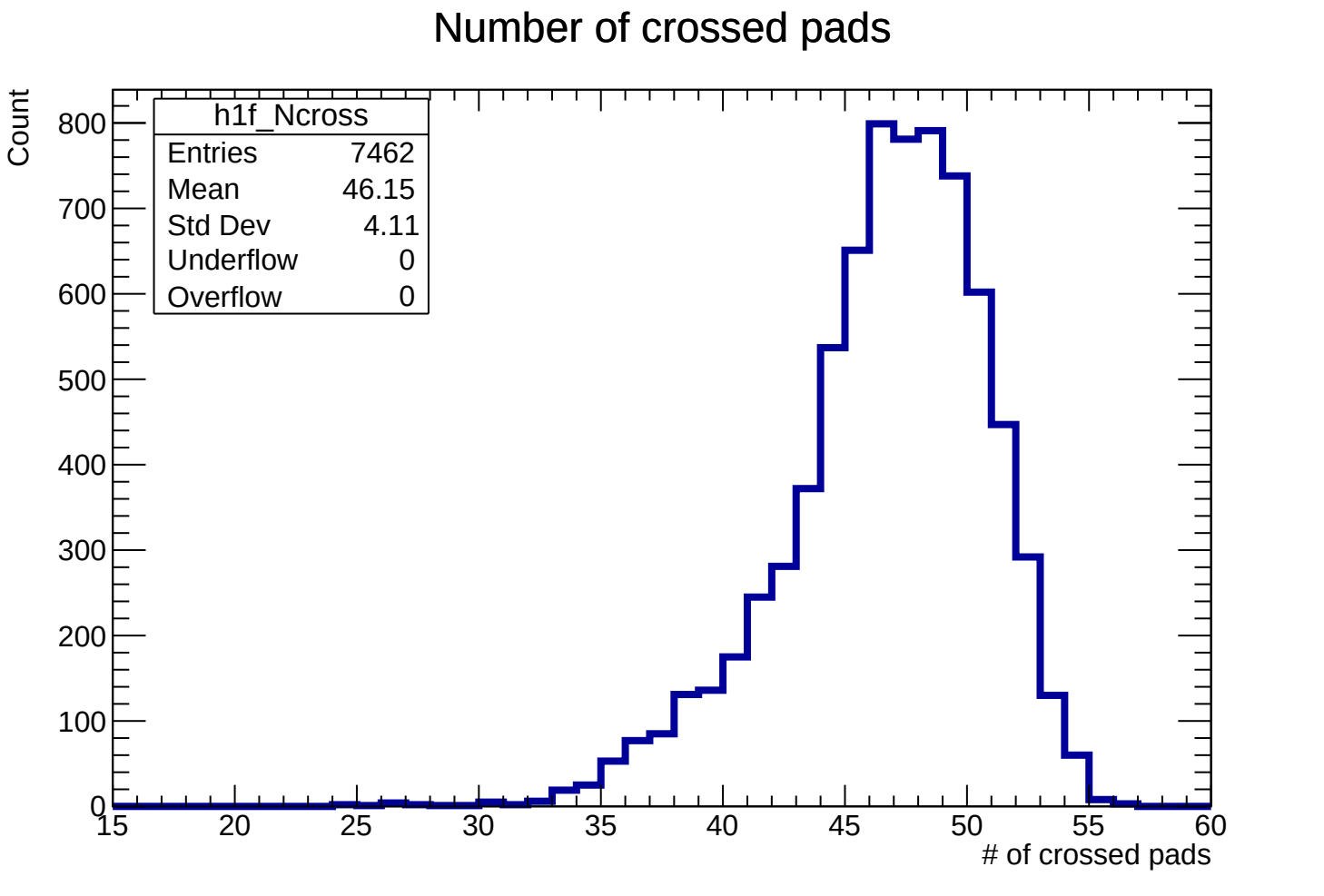
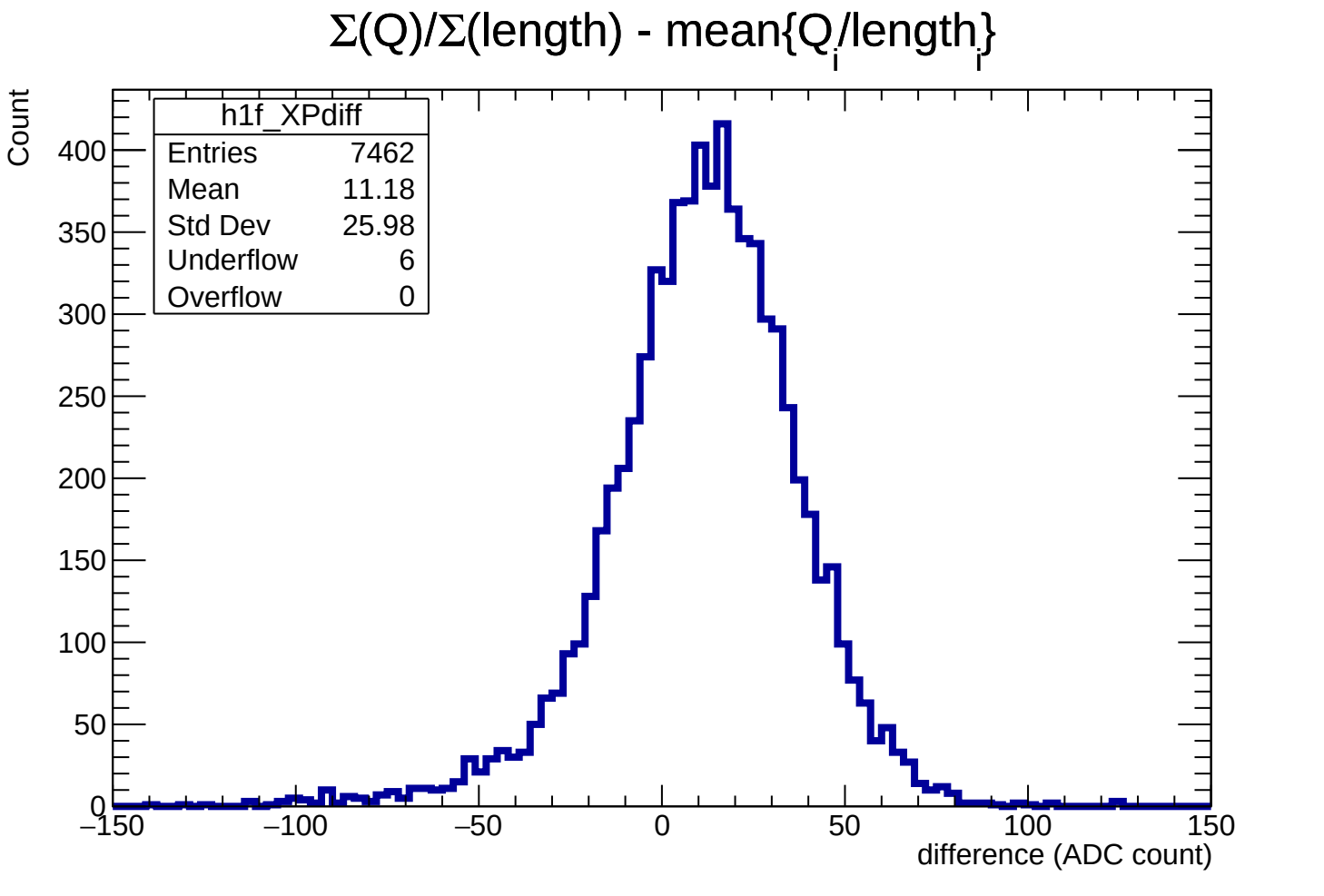
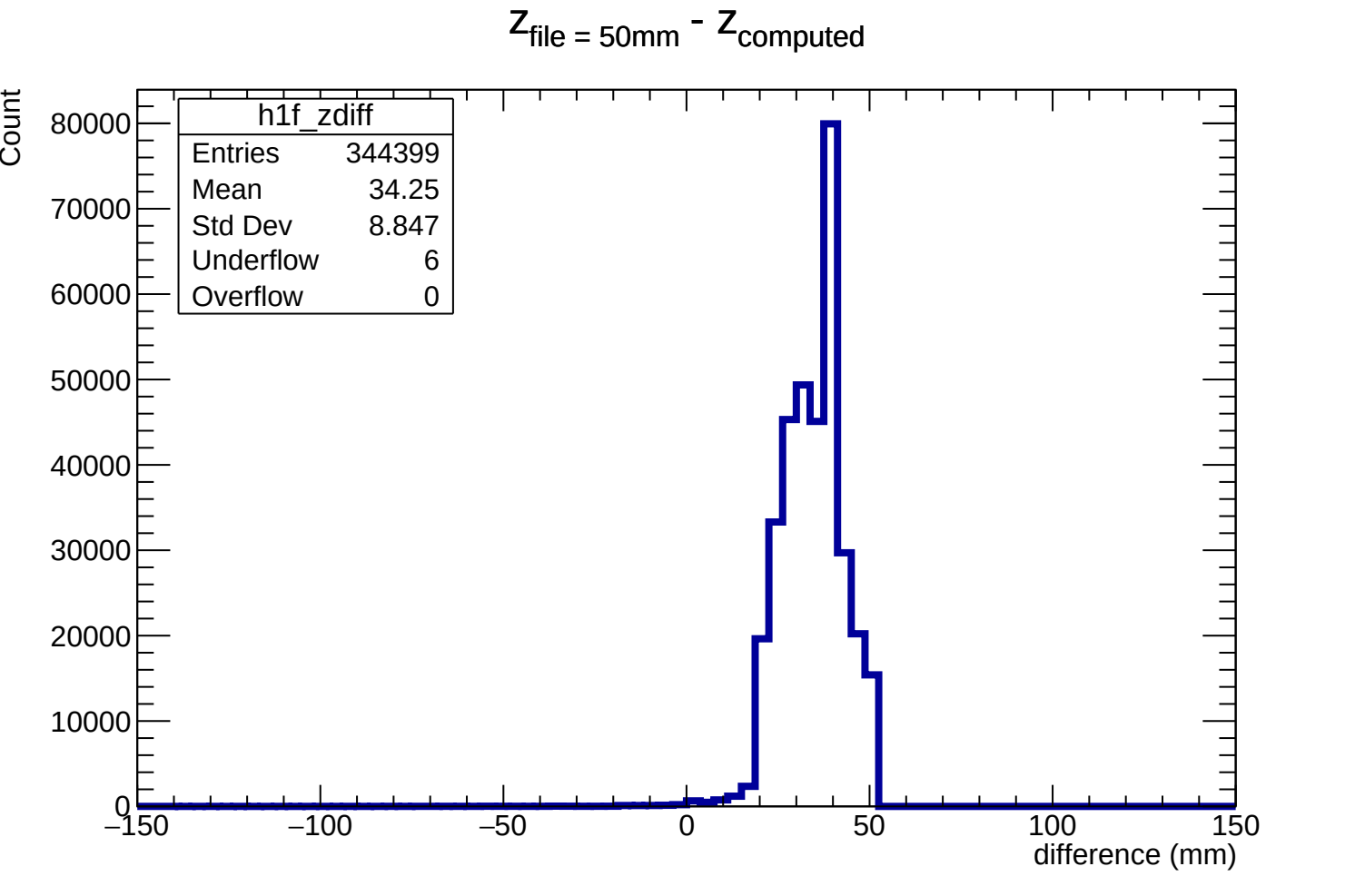
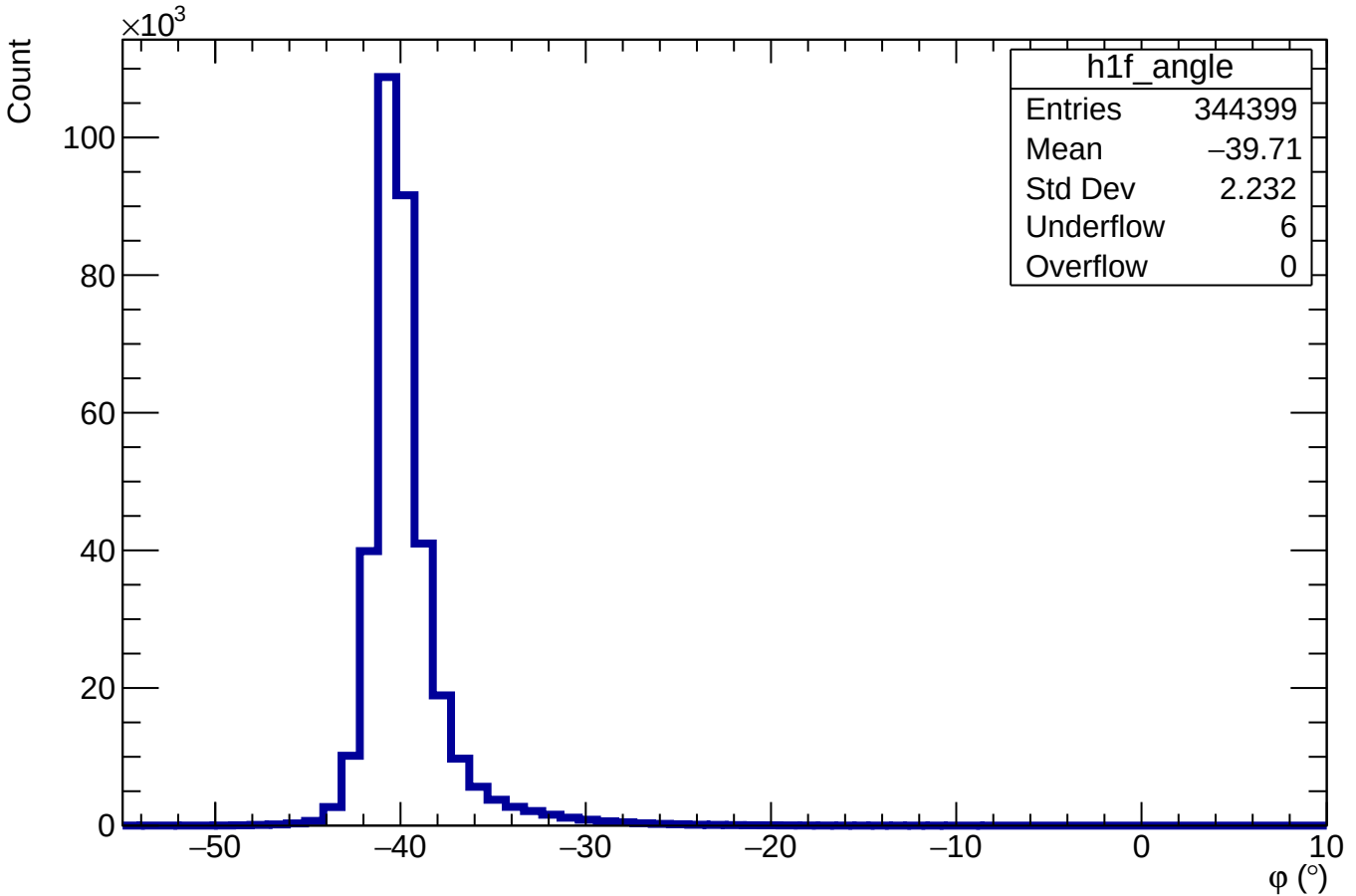
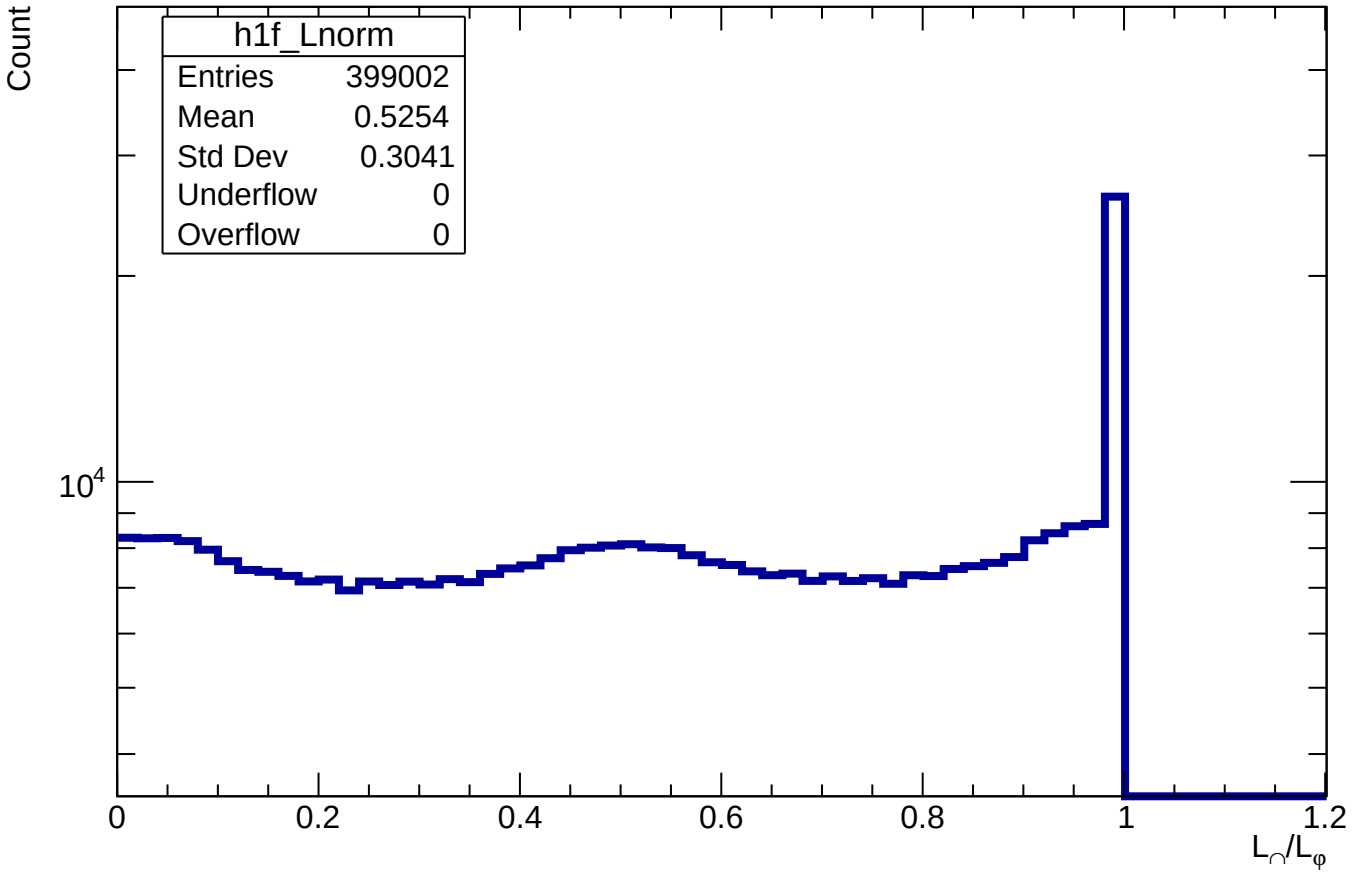

T_{max} of crossed pads
h1f_Tcross
Entries 344399
Mean 53.01
Std Dev 2.953
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

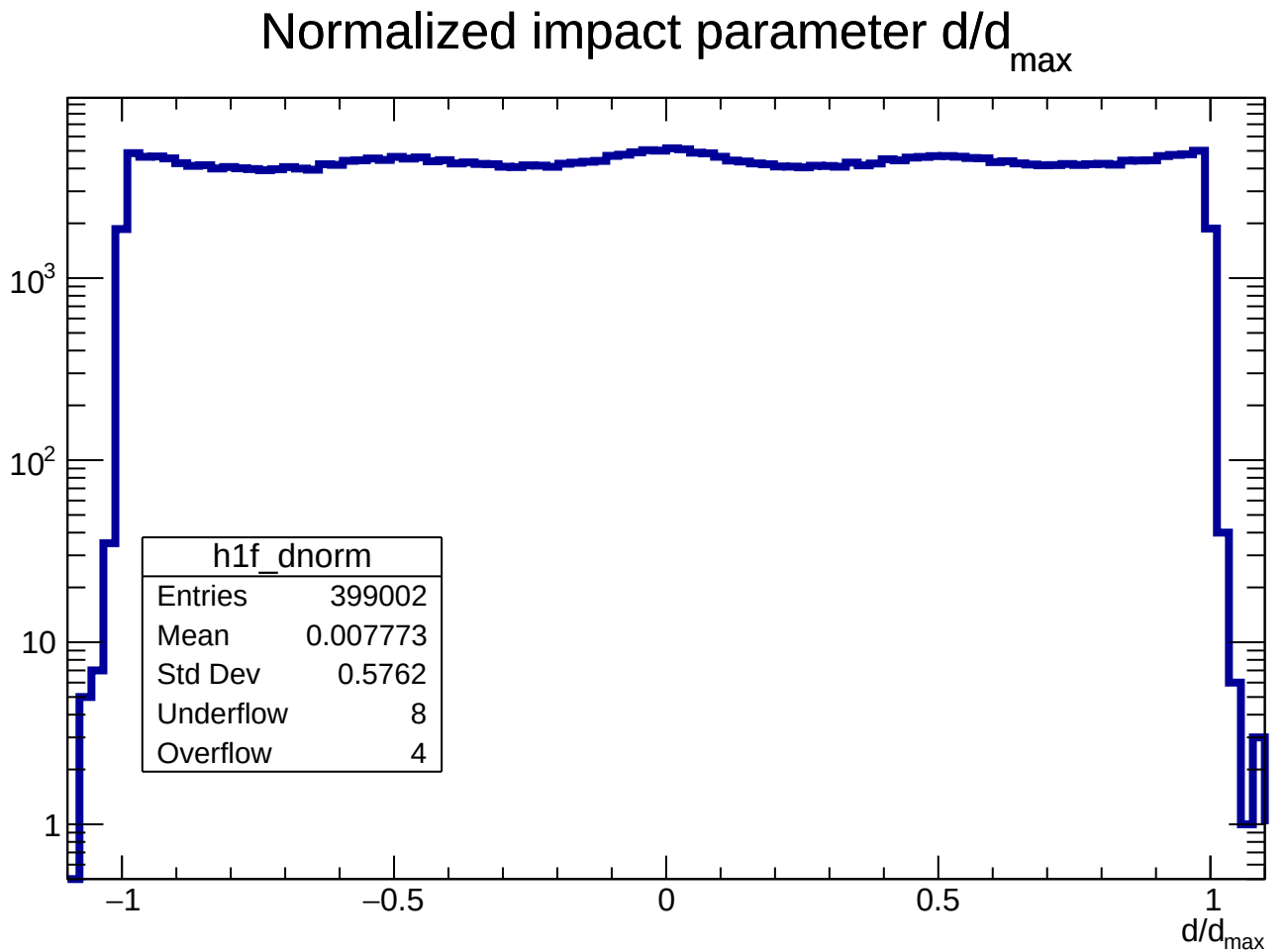

Number of crossed pads
h1f_Ncross
Entries 7462
Mean 46.15
Std Dev 4.11
Underflow 0
Overflow 0
Count
0
100
200
300
400
500
600
700
800
15
20
25
30
35
40
45
50
55
60
# of crossed pads

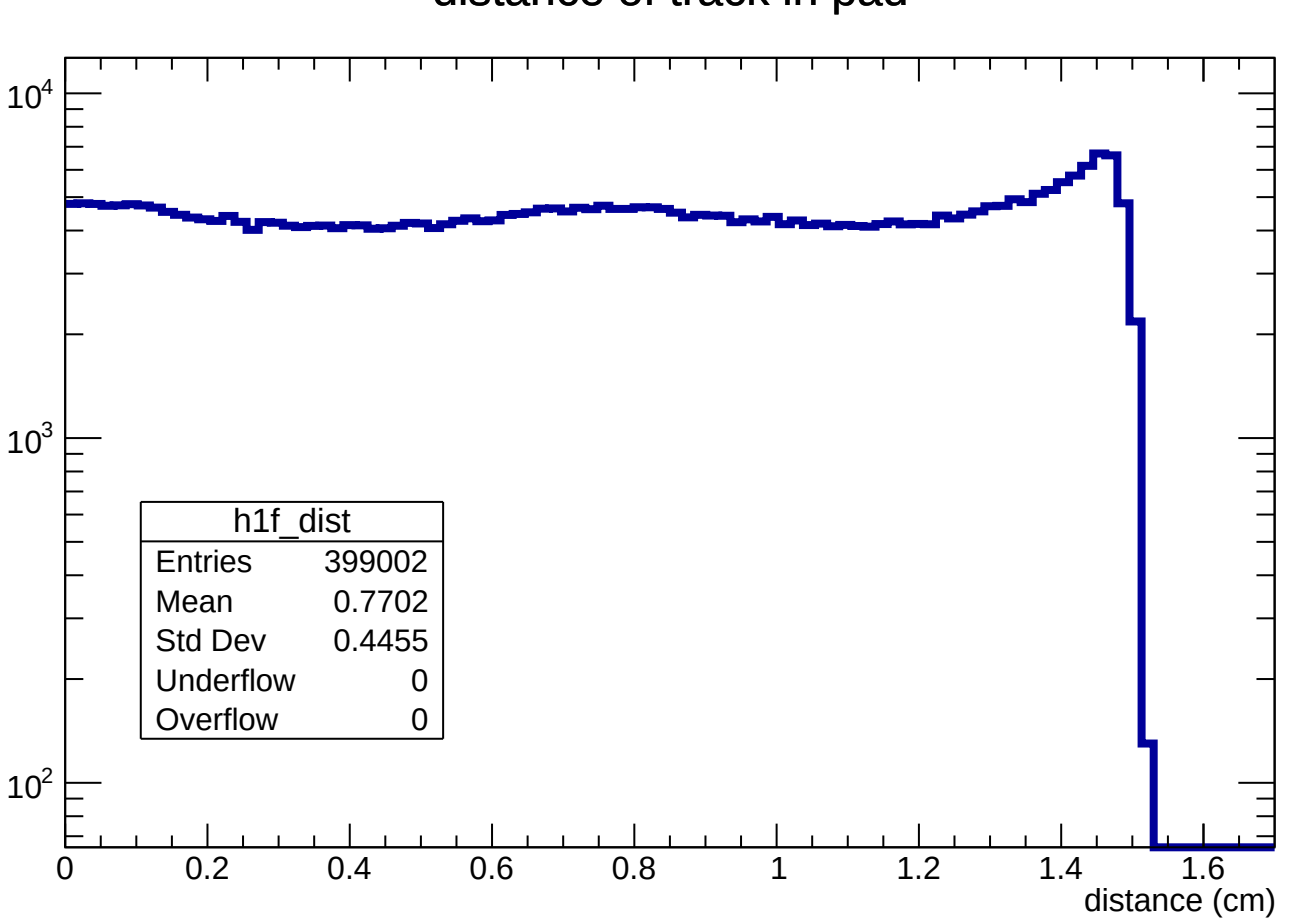

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 7462
Mean 11.18
Std Dev 25.98
Underflow 6
Overflow 0
Count
400
350
300
250
200
150
100
50
0
–150
–100
–50
0
50
100
150
difference (ADC count)

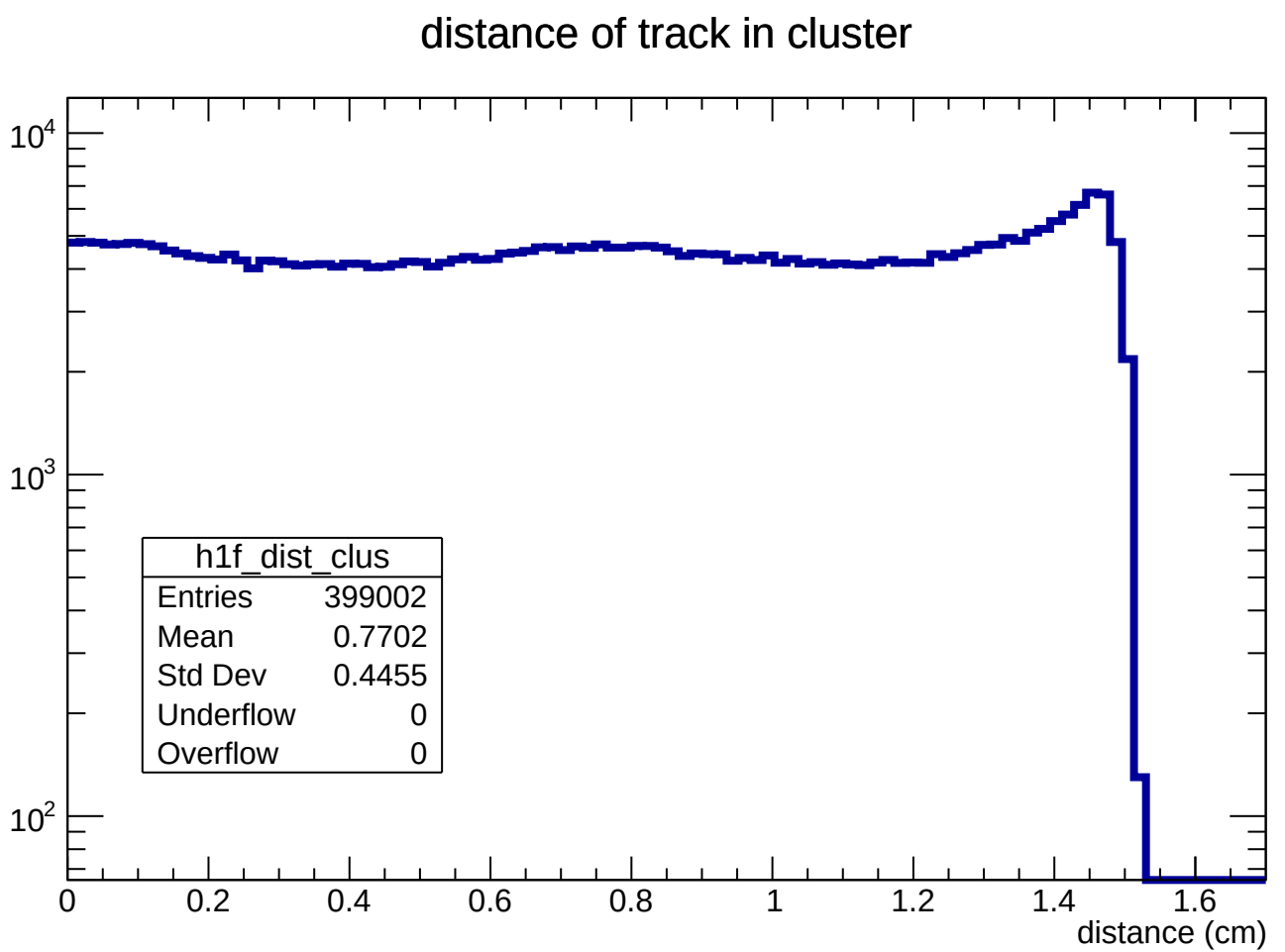

$Z_{file = 50mm} - Z_{computed}$
h1f_zdiff
Entries 344399
Mean 34.25
Std Dev 8.847
Underflow 6
Overflow 0
Count
80000
70000
60000
50000
40000
30000
20000
10000
0
–150
–100
–50
0
50
100
150
difference (mm)

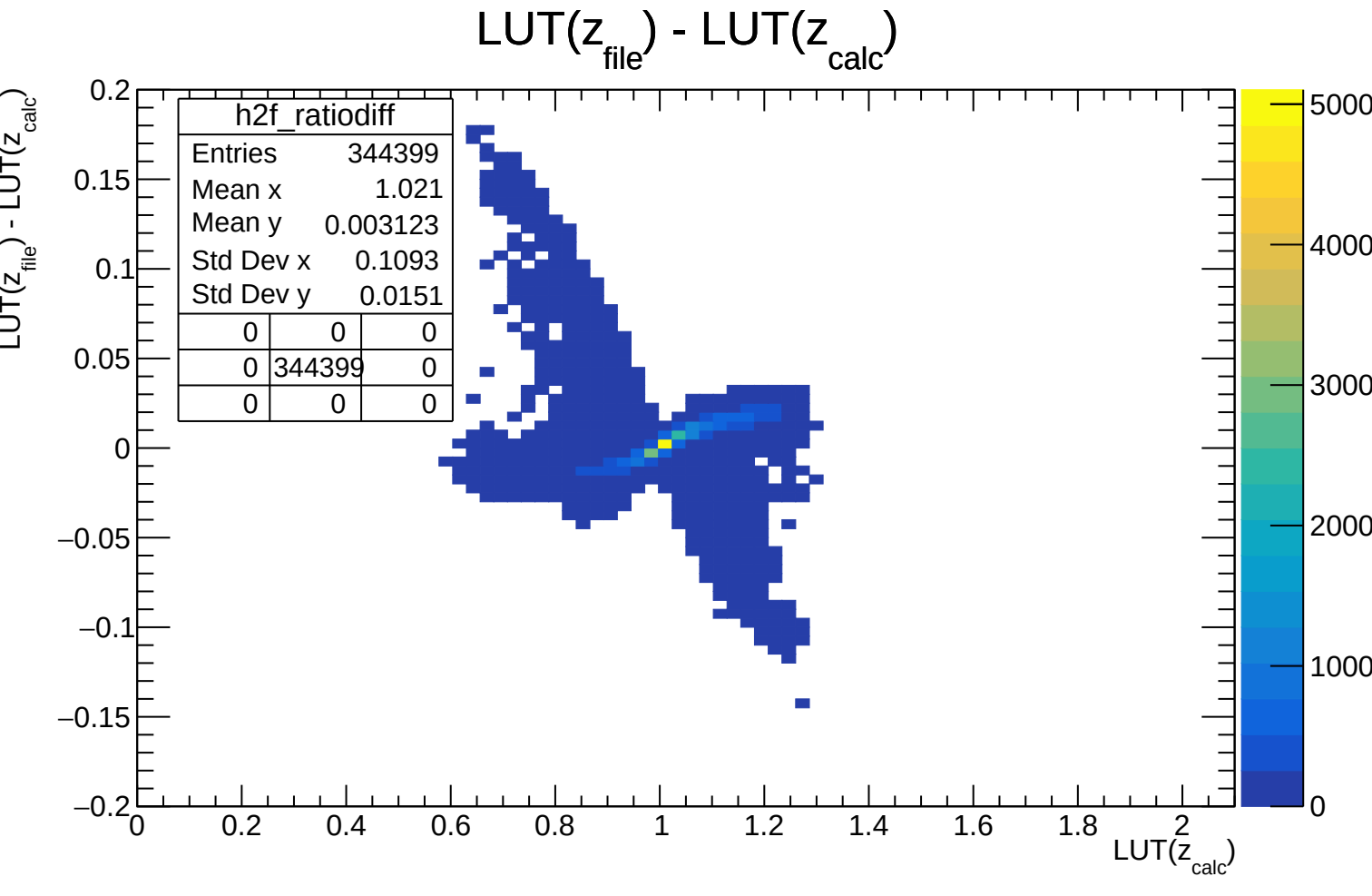

Angle φ in each pad
Count
×10^3
100
80
60
40
20
0
h1f_angle
Entries 344399
Mean −39.71
Std Dev 2.232
Underflow 6
Overflow 0
−50
−40
−30
−20
−10
0
10
φ (°)

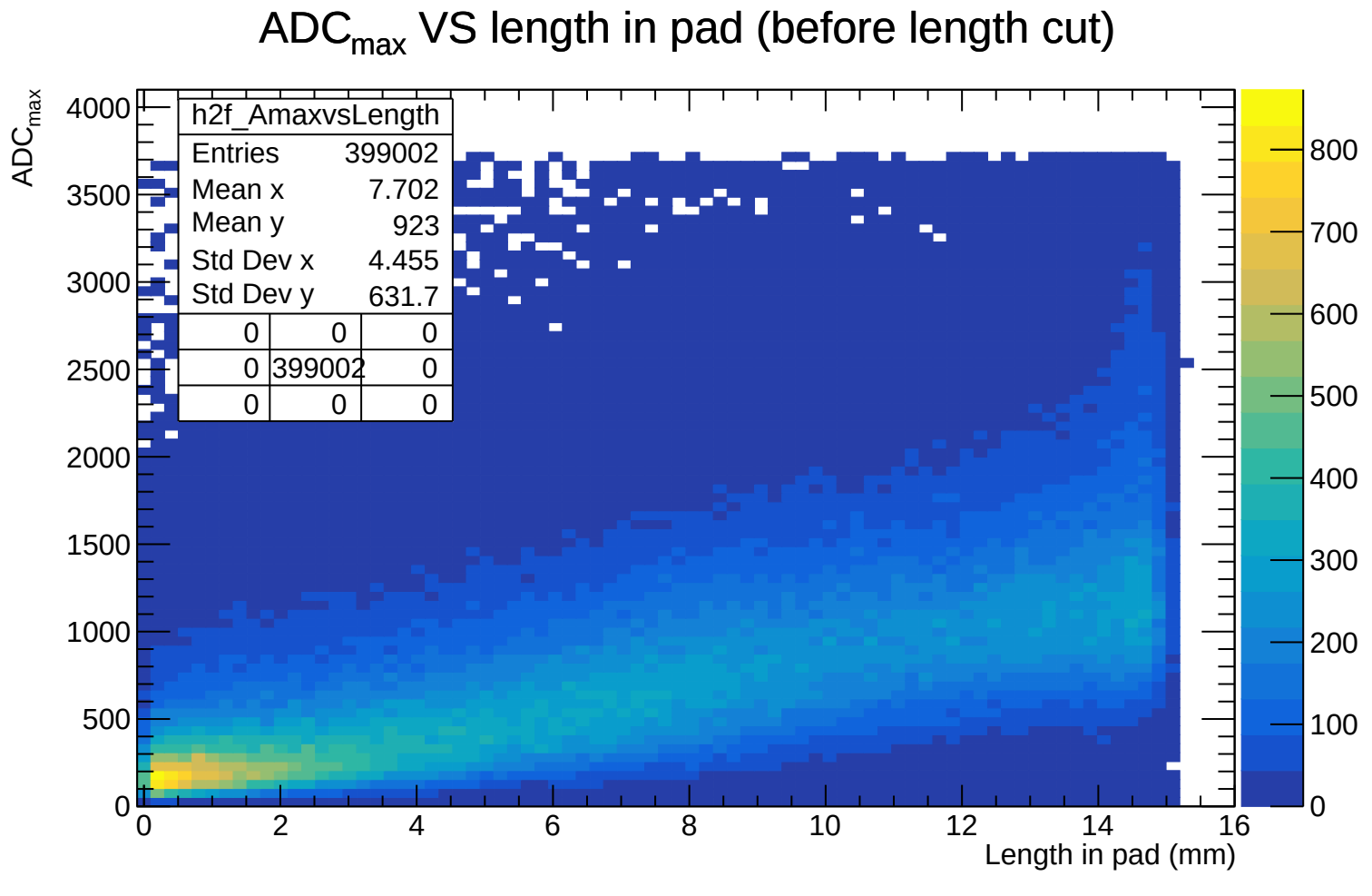

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 399002
Mean 0.5254
Std Dev 0.3041
Underflow 0
Overflow 0
Count
10^4
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

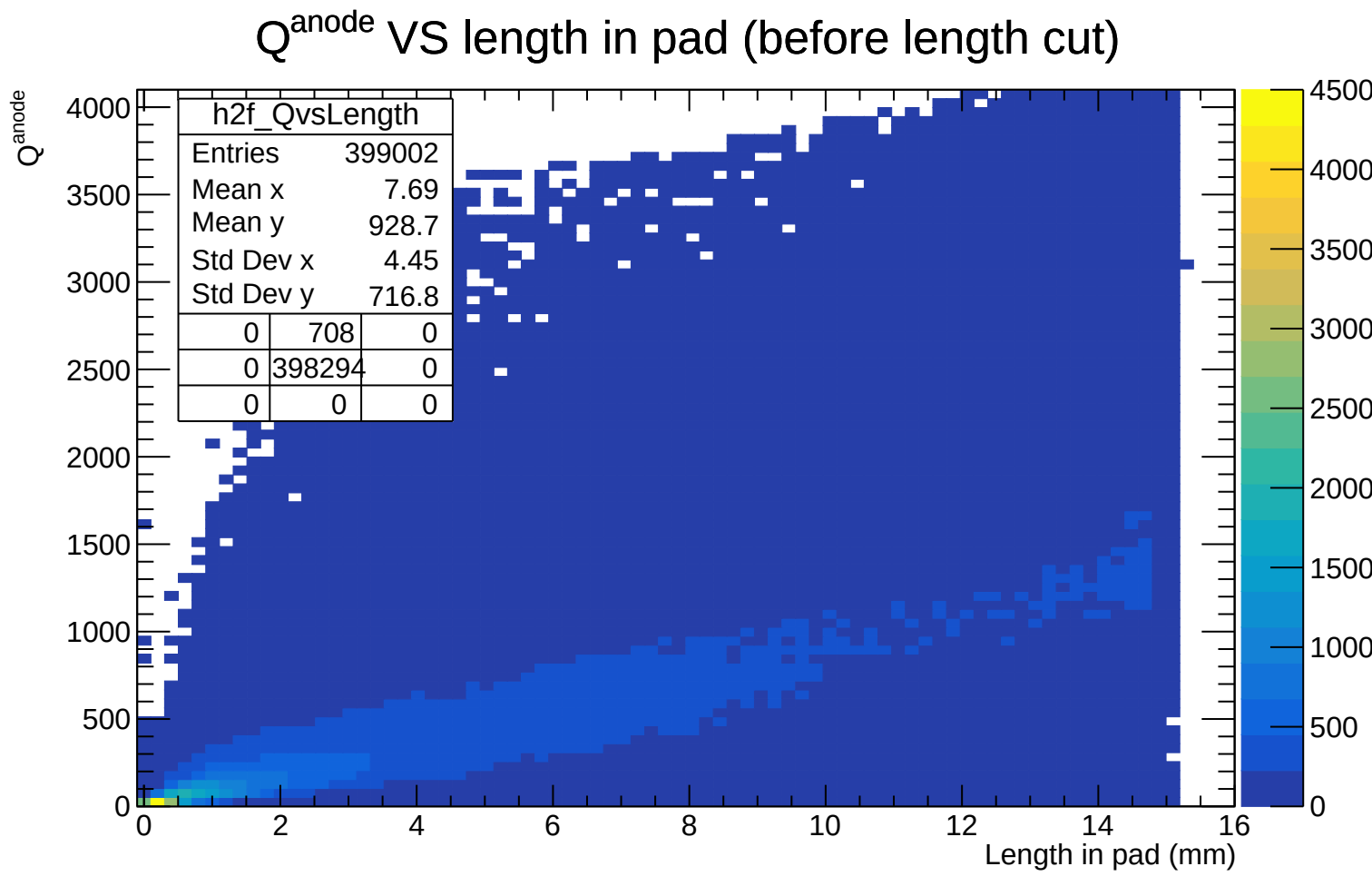

Normalized impact parameter d/d max
10 3
10 2
10
1
h1f_dnorm
Entries 399002
Mean 0.007773
Std Dev 0.5762
Underflow 8
Overflow 4
−1
−0.5
0
0.5
1
d/d max

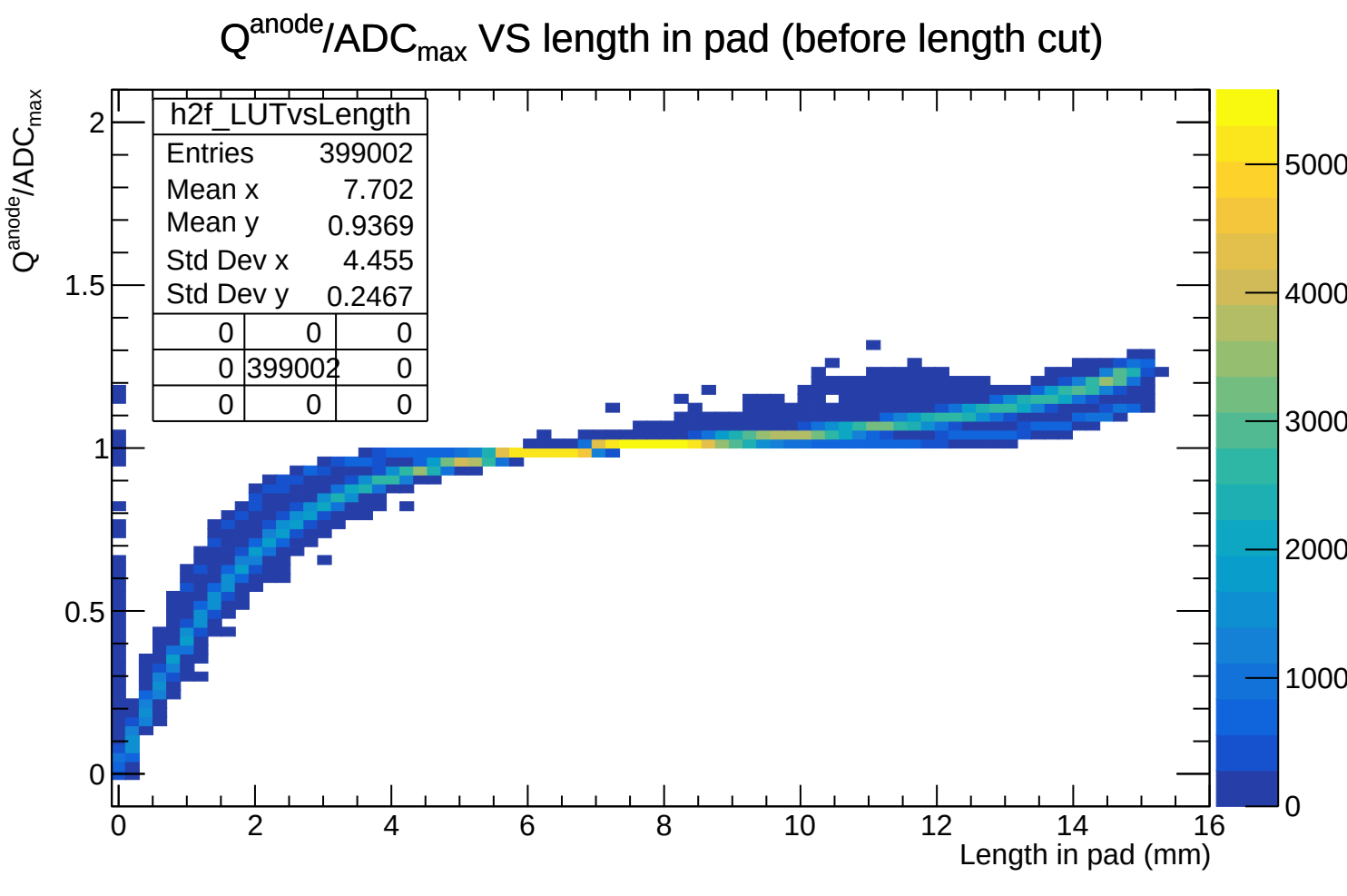

distance of track in pad
10^4
10^3
10^2
h1f_dist
Entries 399002
Mean 0.7702
Std Dev 0.4455
Underflow 0
Overflow 0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

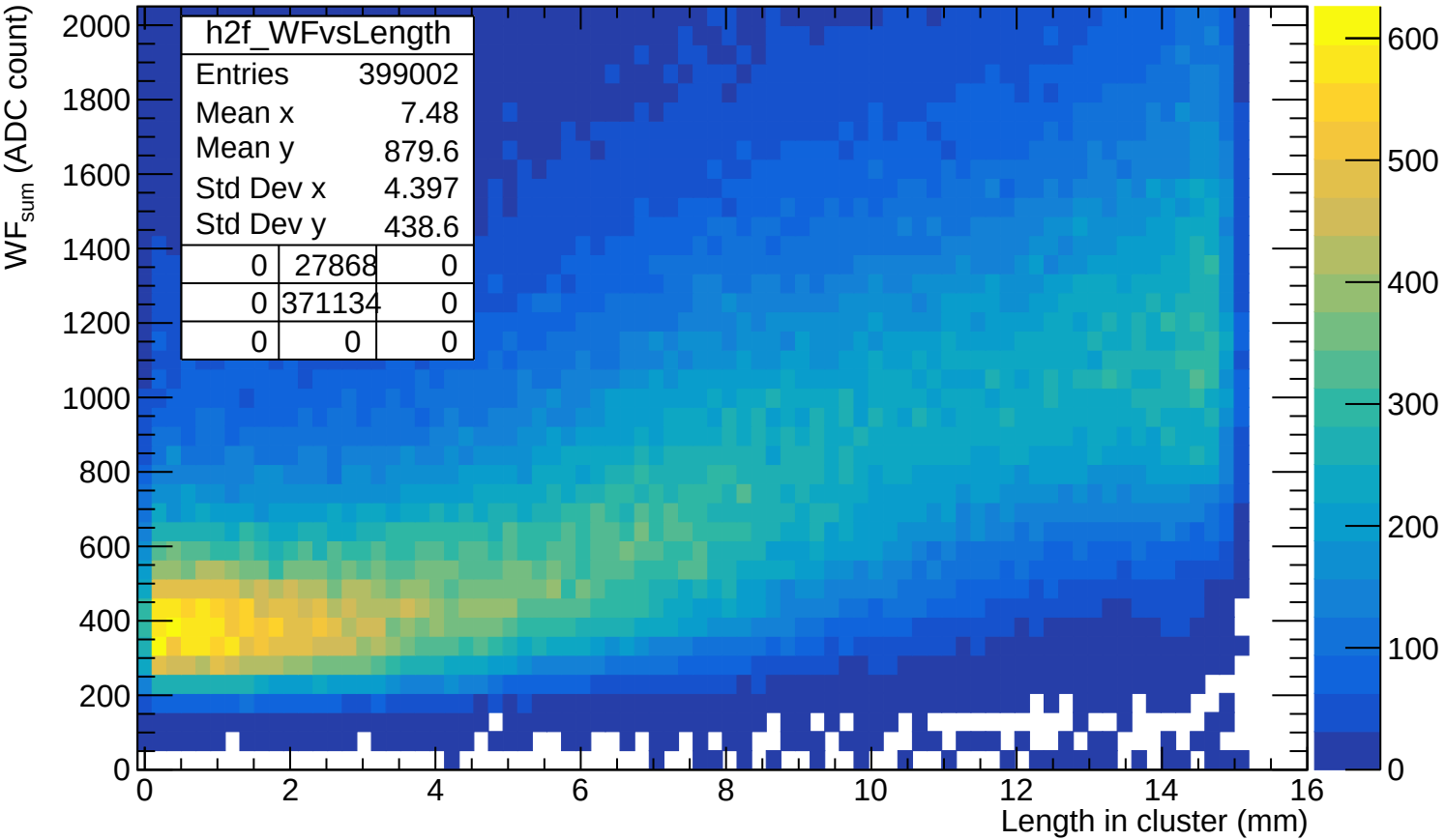

distance of track in cluster
10^4
10^3
10^2
h1f_dist_clus
Entries 399002
Mean 0.7702
Std Dev 0.4455
Underflow 0
Overflow 0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

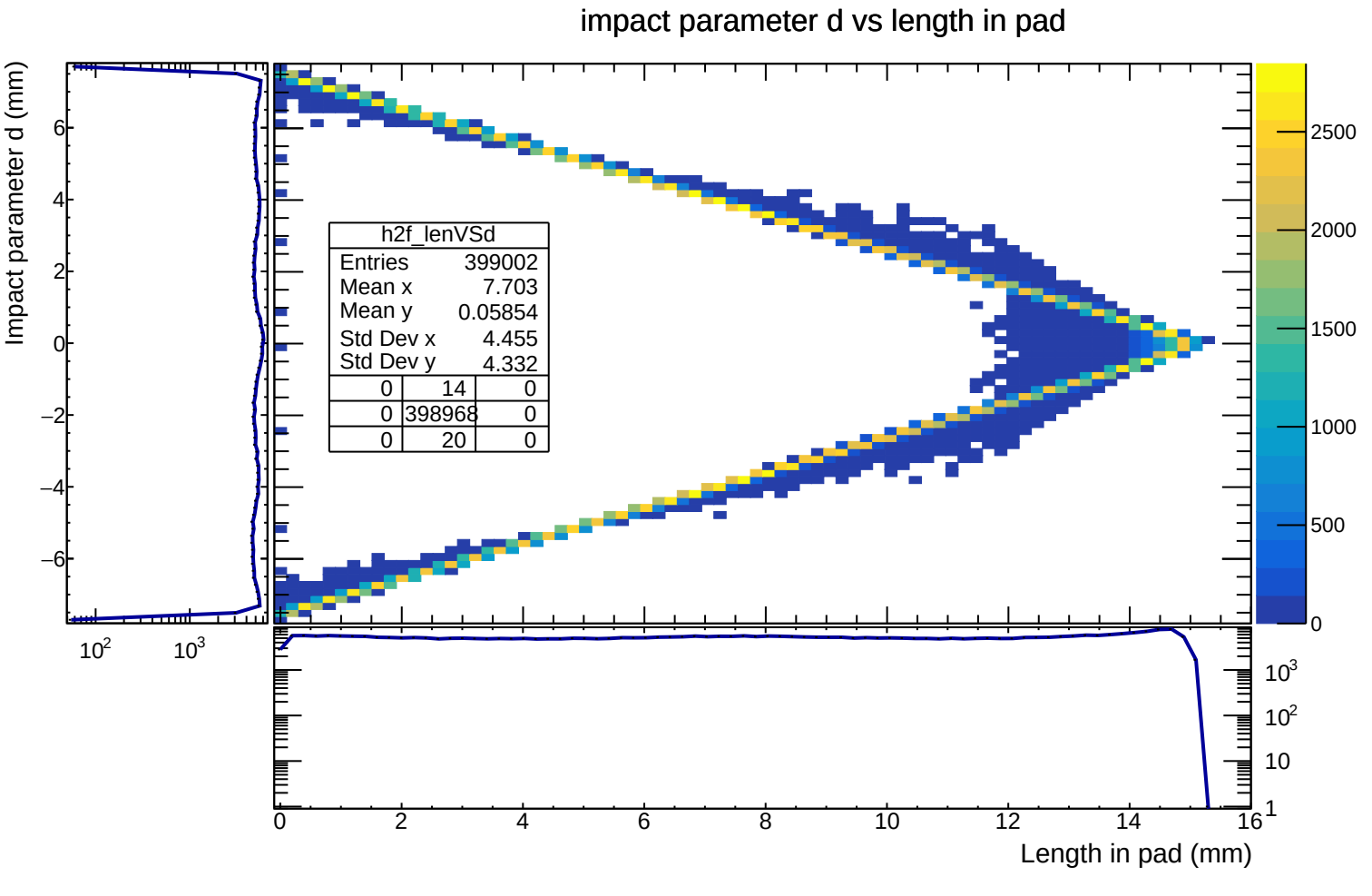

LUT(z_file) - LUT(z_calc)
h2f_ratiodiff
Entries 344399
Mean x 1.021
Mean y 0.003123
Std Dev x 0.1093
Std Dev y 0.0151
0 0 0
0 344399 0
0 0 0
LUT(z_file) - LUT(z_calc)
LUT(z_calc)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
5000
4000
3000
2000
1000
0


ADC$_{max}$ VS length in pad (before length cut)
ADC$_{max}$
Length in pad (mm)
h2f_AmaxvsLength
Entries 399002
Mean x 7.702
Mean y 923
Std Dev x 4.455
Std Dev y 631.7
0 0 0
0 399002 0
0 0 0
0 500 1000 1500 2000 2500 3000 3500 4000
0 2 4 6 8 10 12 14 16
0 100 200 300 400 500 600 700 800


Q^anode VS length in pad (before length cut)
Q^anode
h2f_QvsLength
Entries 399002
Mean x 7.69
Mean y 928.7
Std Dev x 4.45
Std Dev y 716.8
0 708 0
0 398294 0
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)
4500
4000
3500
3000
2500
2000
1500
1000
500
0


Q^anode/ADC_max VS length in pad (before length cut)
h2f_LUTvsLength
Entries 399002
Mean x 7.702
Mean y 0.9369
Std Dev x 4.455
Std Dev y 0.2467
0 0 0
0 399002 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


WF$_{sum}$ VS length in cluster
h2f_WFvsLength
Entries 399002
Mean x 7.48
Mean y 879.6
Std Dev x 4.397
Std Dev y 438.6
0 27868 0
0 371134 0
0 0 0
WF$_{sum}$ (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
0 100 200 300 400 500 600


impact parameter d vs length in pad
Impact parameter d (mm)
Length in pad (mm)
h2f_lenVSd
Entries 399002
Mean x 7.703
Mean y 0.05854
Std Dev x 4.455
Std Dev y 4.332
0 14 0
0 398968 0
0 20 0