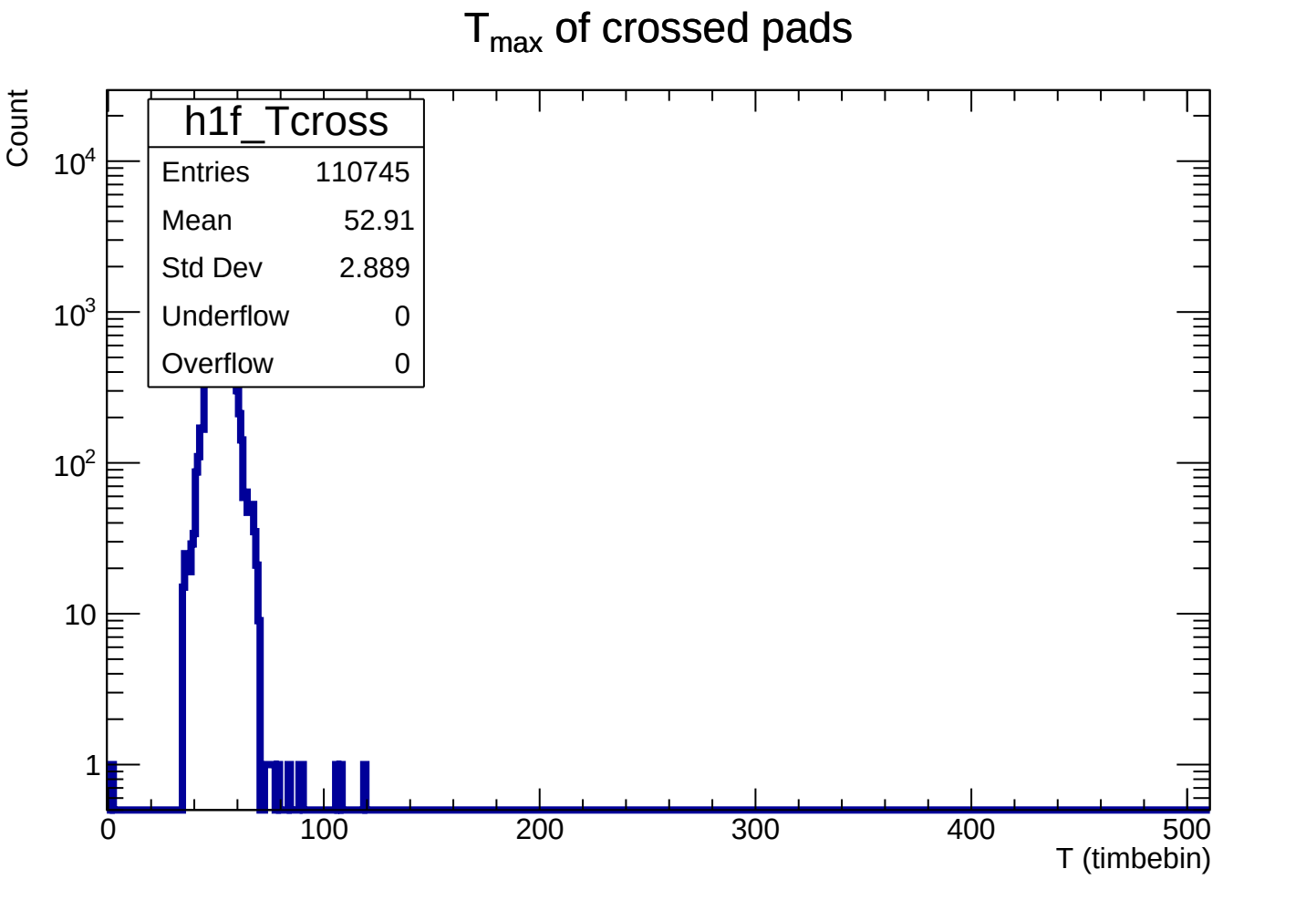
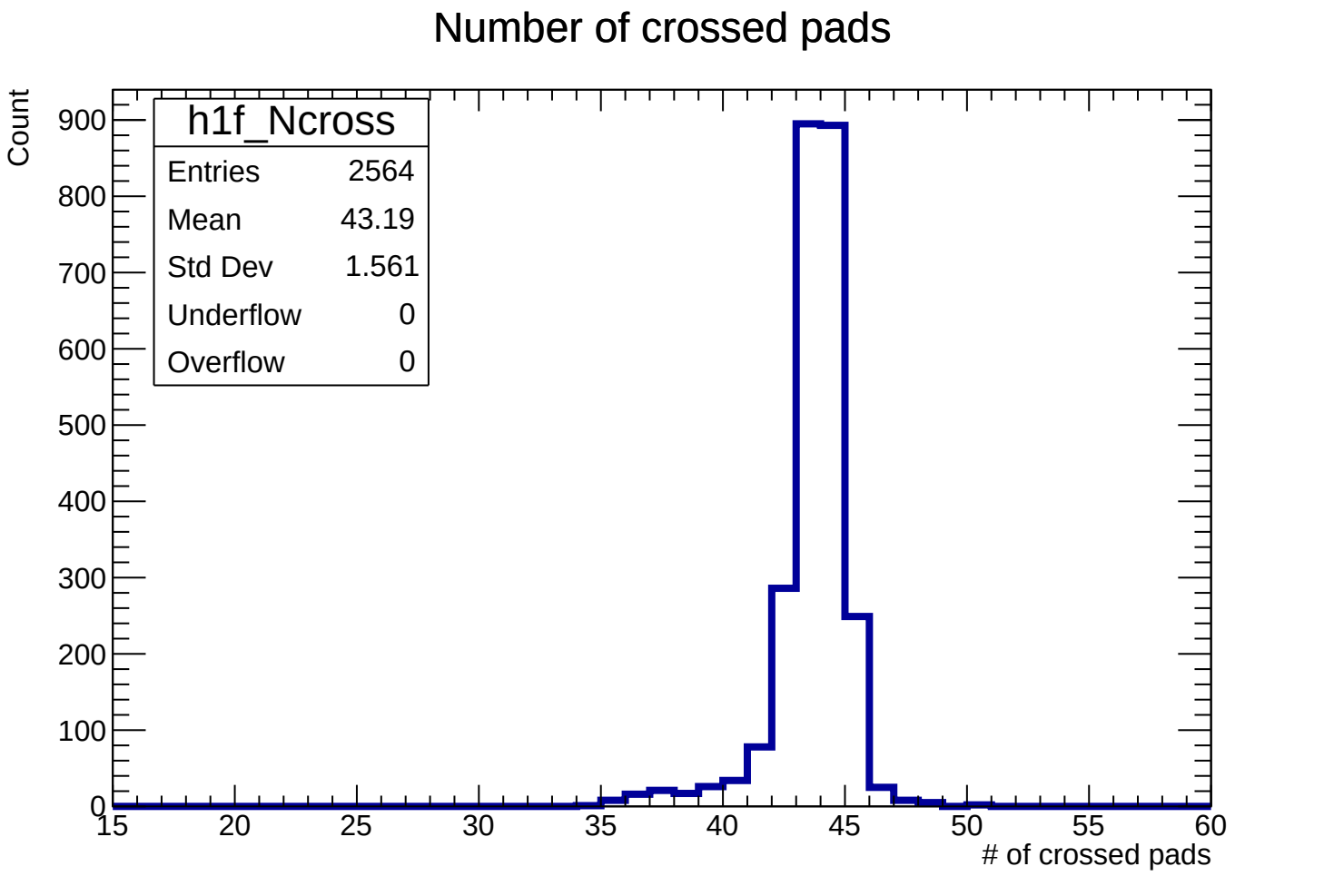
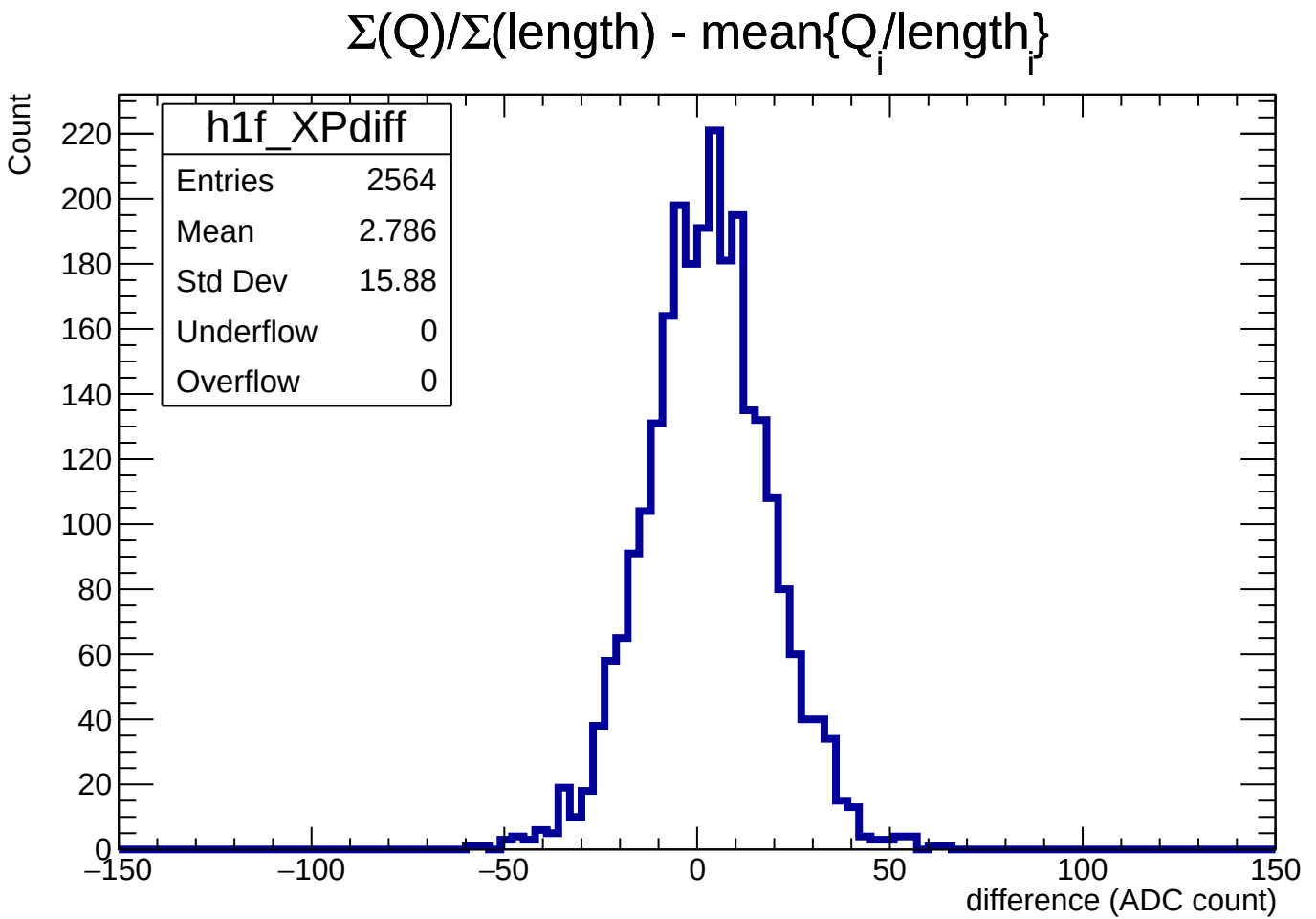
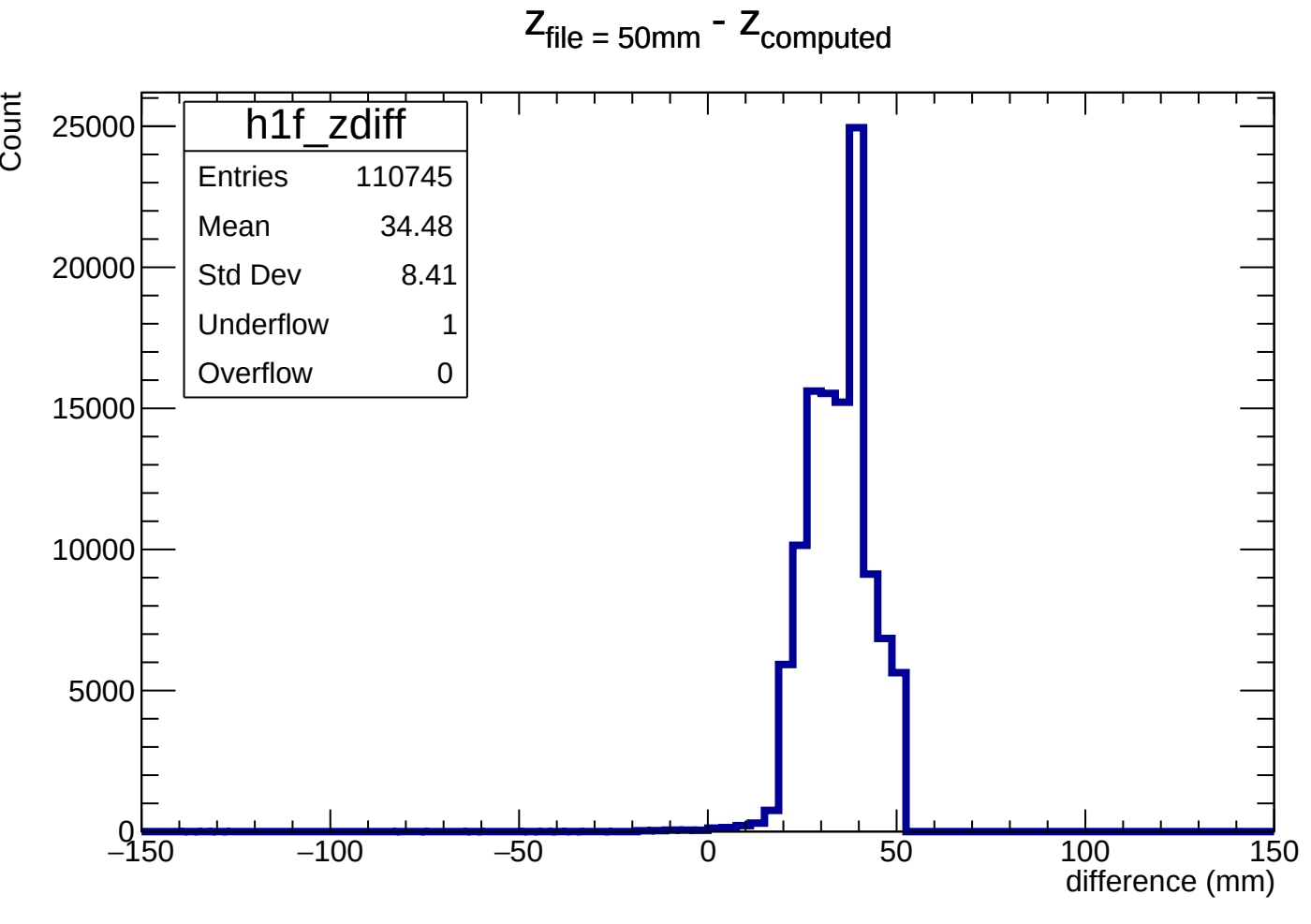
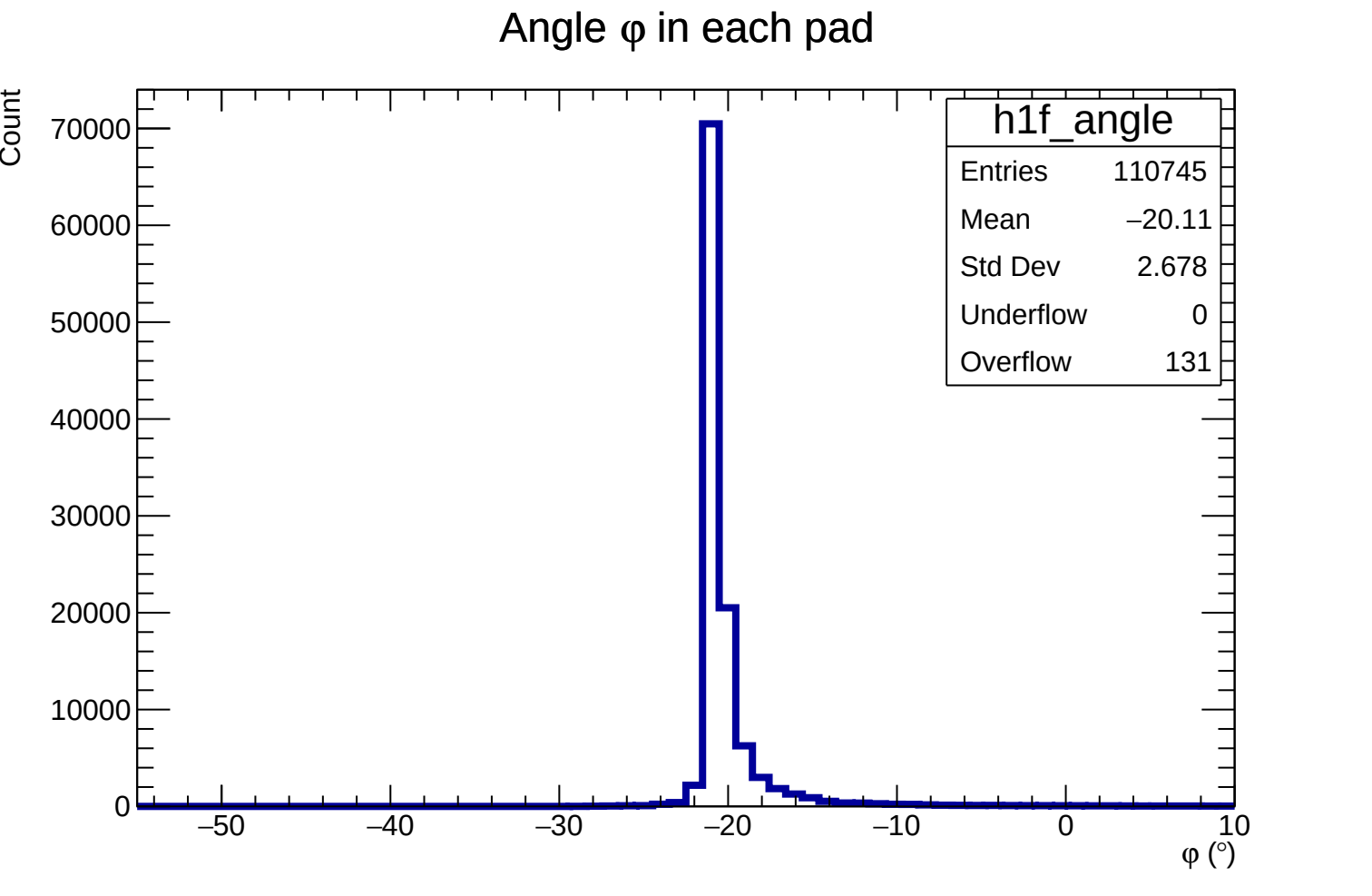
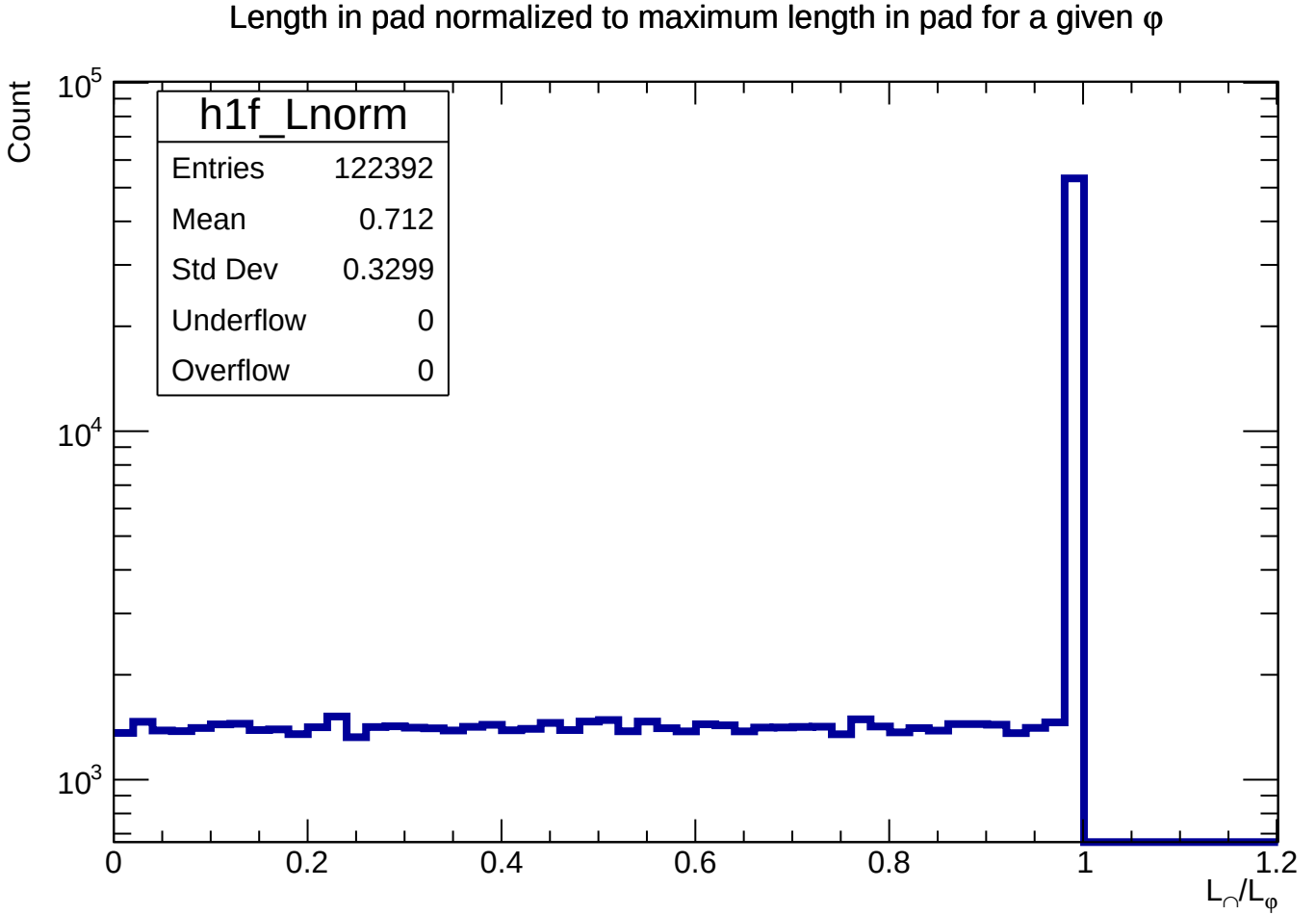

T_{max} of crossed pads
h1f_Tcross
Entries 110745
Mean 52.91
Std Dev 2.889
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

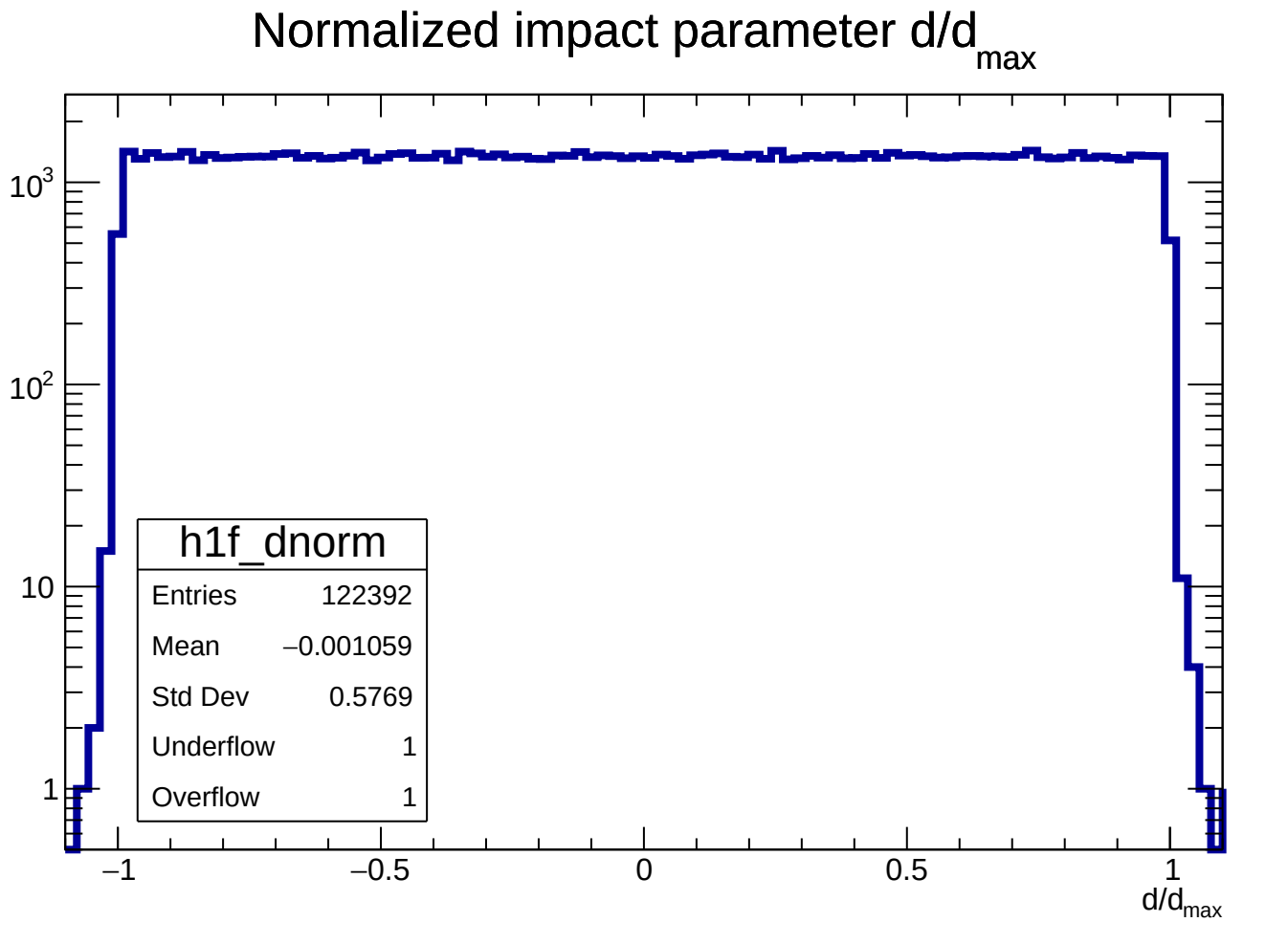

Number of crossed pads
h1f_Ncross
Entries 2564
Mean 43.19
Std Dev 1.561
Underflow 0
Overflow 0
Count
0
100
200
300
400
500
600
700
800
900
15
20
25
30
35
40
45
50
55
60
# of crossed pads

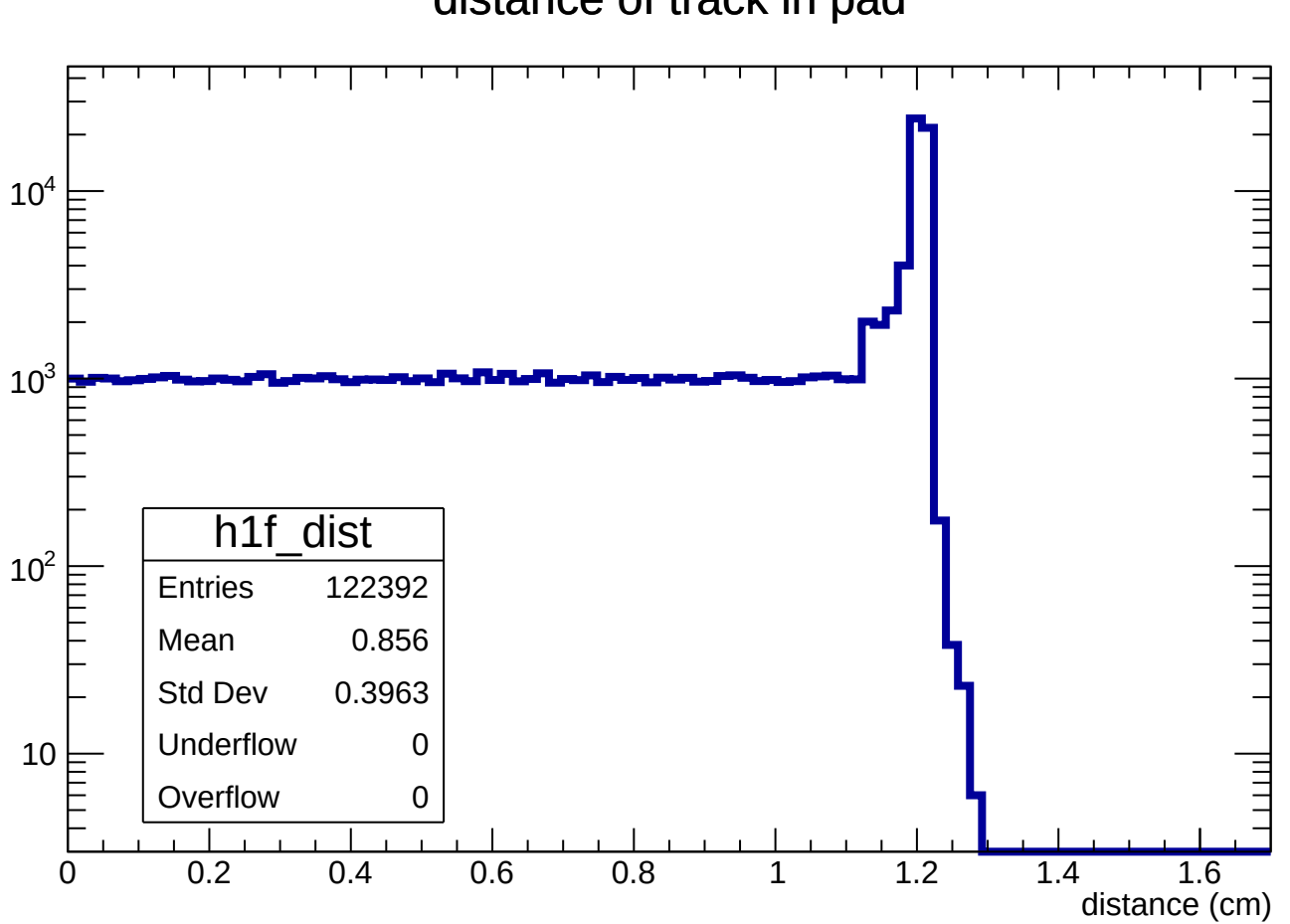

Σ(Q)/Σ(length) - mean{Q_i/length_i}
h1f_XPdiff
Entries 2564
Mean 2.786
Std Dev 15.88
Underflow 0
Overflow 0
Count
0
20
40
60
80
100
120
140
160
180
200
220
–150
–100
–50
0
50
100
150
difference (ADC count)

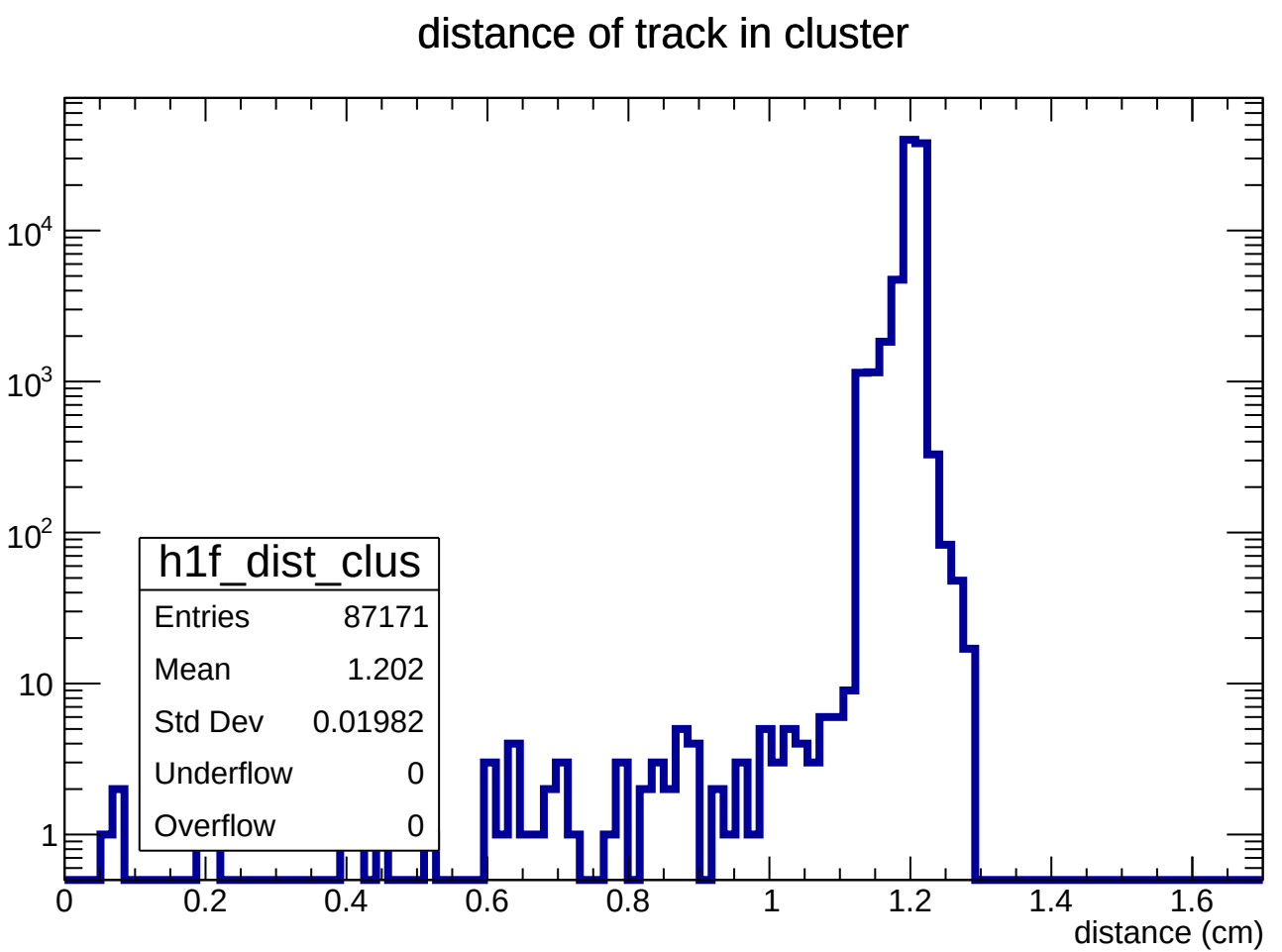

$z_{file = 50mm} - z_{computed}$
h1f_zdiff
Entries 110745
Mean 34.48
Std Dev 8.41
Underflow 1
Overflow 0
Count
25000
20000
15000
10000
5000
0
–150
–100
–50
0
50
100
150
difference (mm)

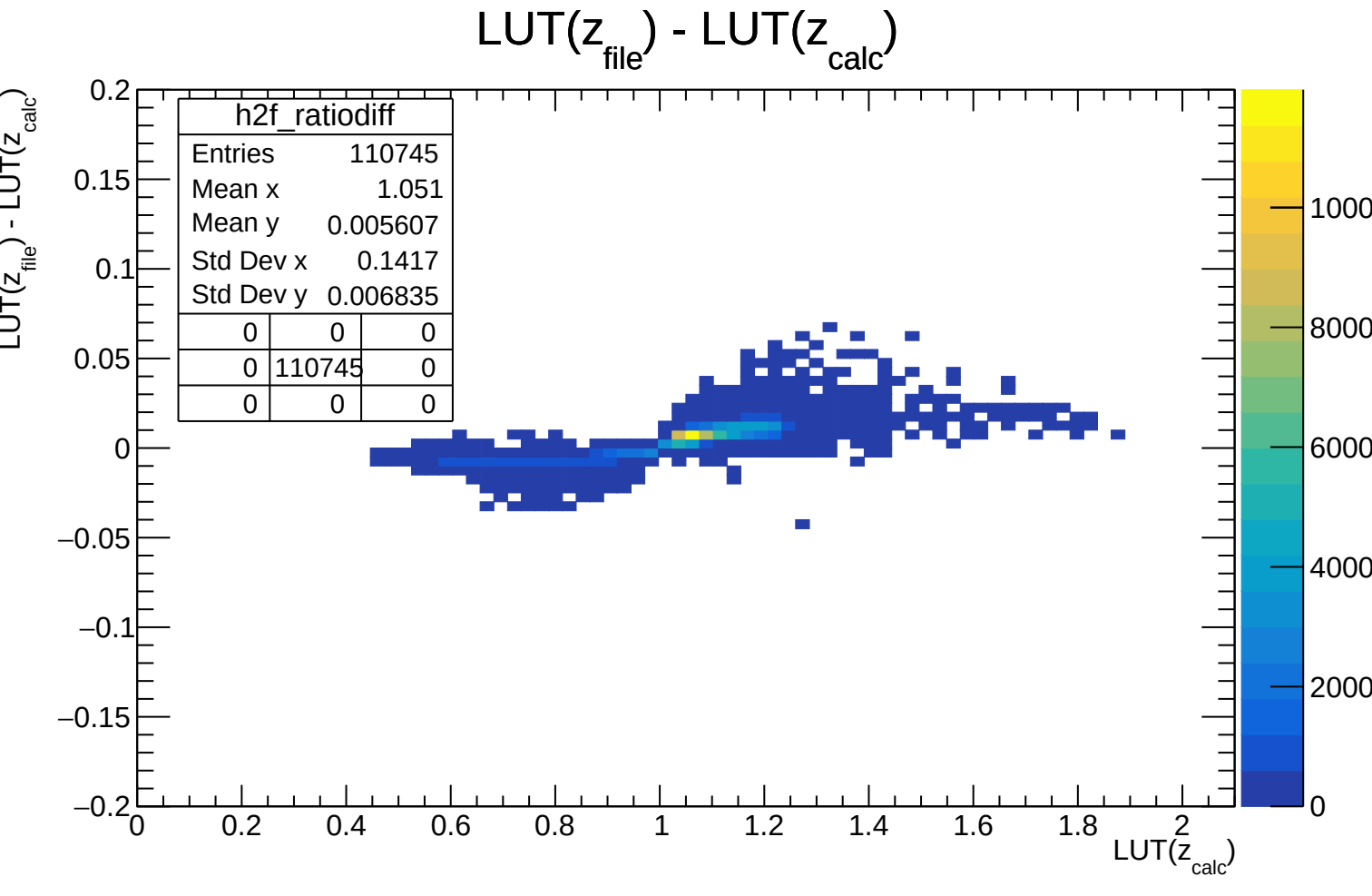

Angle φ in each pad
Count
70000
60000
50000
40000
30000
20000
10000
0
–50
–40
–30
–20
–10
0
10
φ (°)
h1f_angle
Entries 110745
Mean –20.11
Std Dev 2.678
Underflow 0
Overflow 131

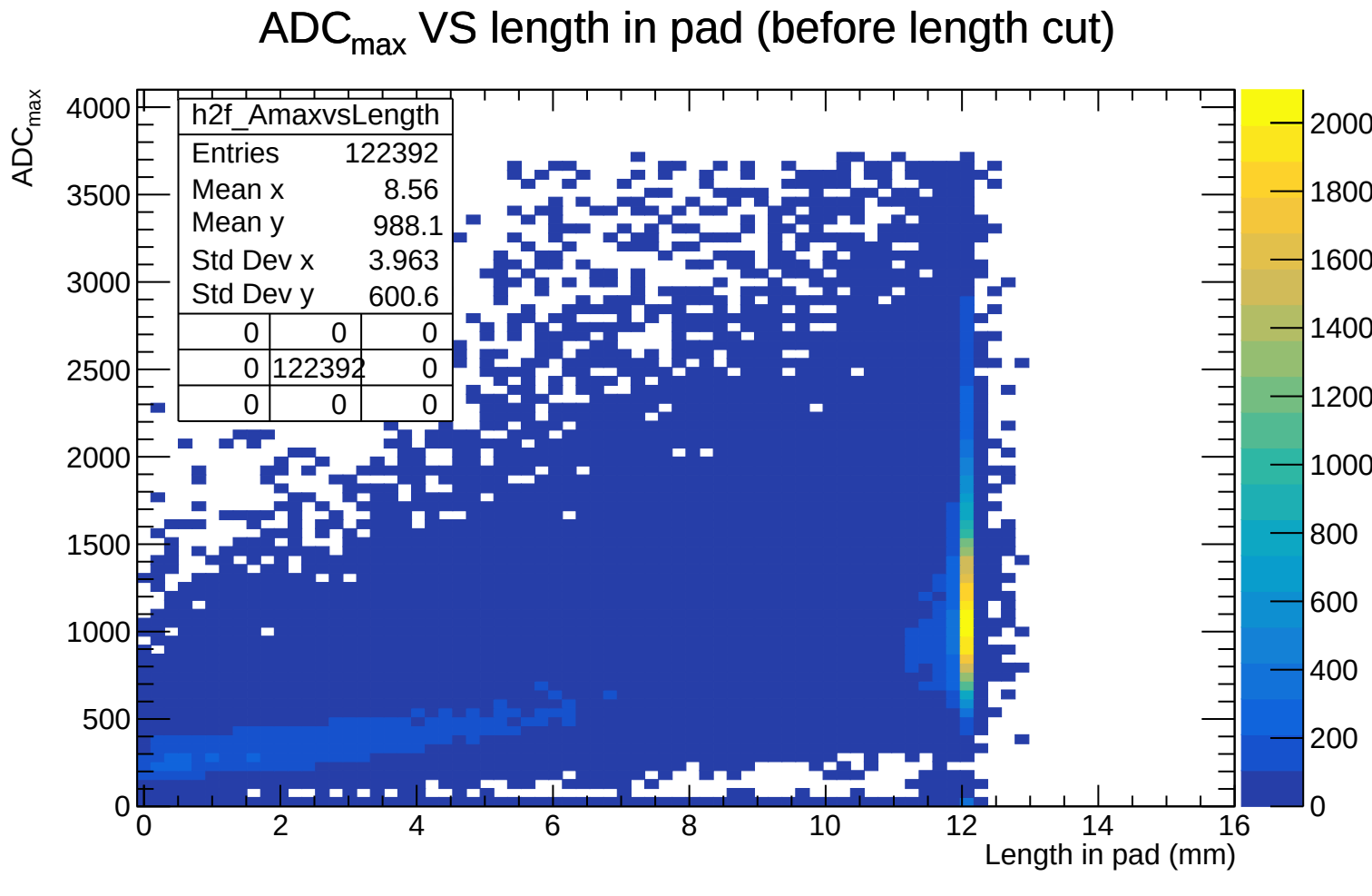

Length in pad normalized to maximum length in pad for a given φ
Count
h1f_Lnorm
Entries 122392
Mean 0.712
Std Dev 0.3299
Underflow 0
Overflow 0
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

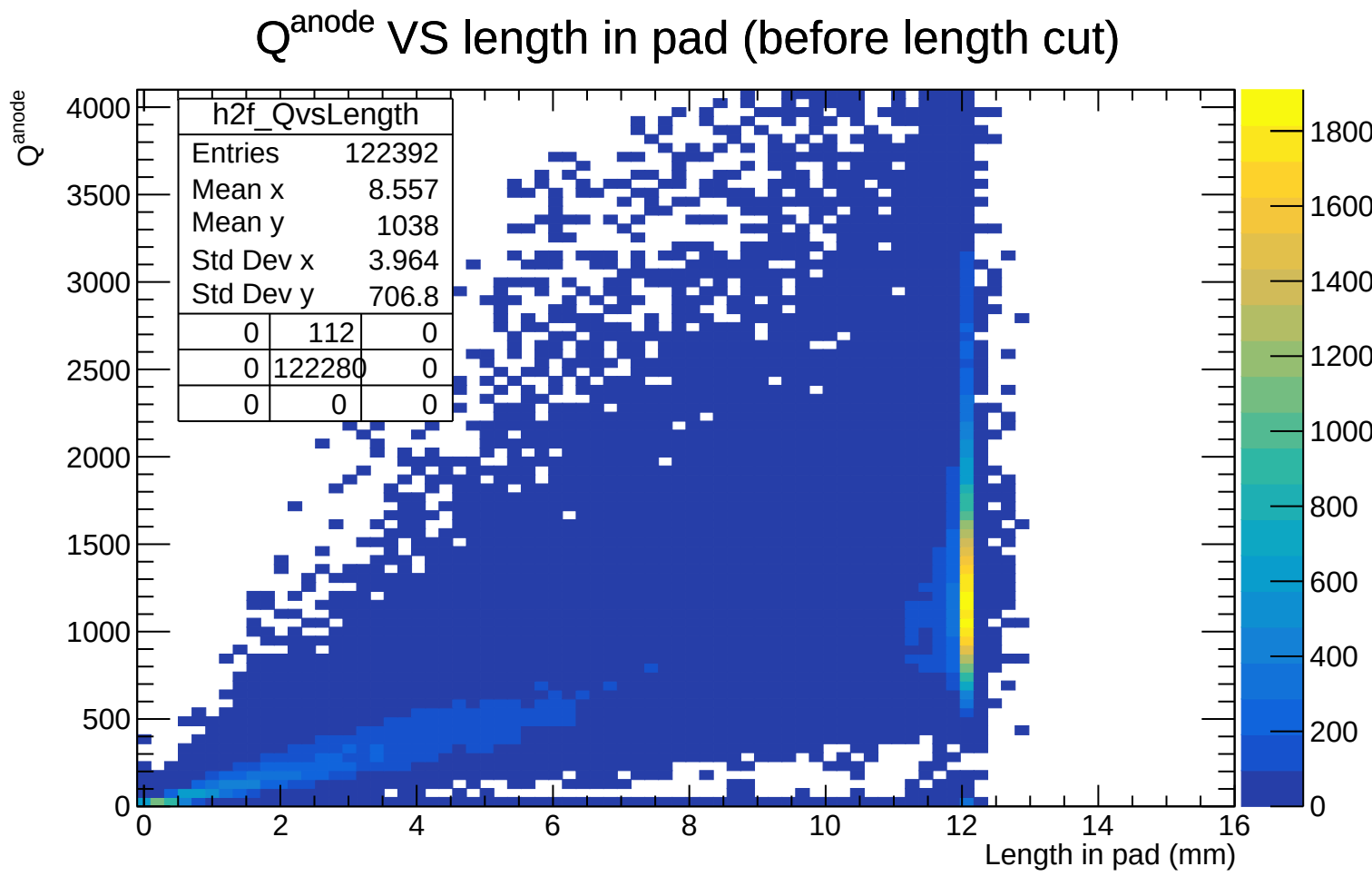

Normalized impact parameter d/d max
10 3
10 2
10
1
h1f_dnorm
Entries 122392
Mean −0.001059
Std Dev 0.5769
Underflow 1
Overflow 1
−1
−0.5
0
0.5
1
d/d max

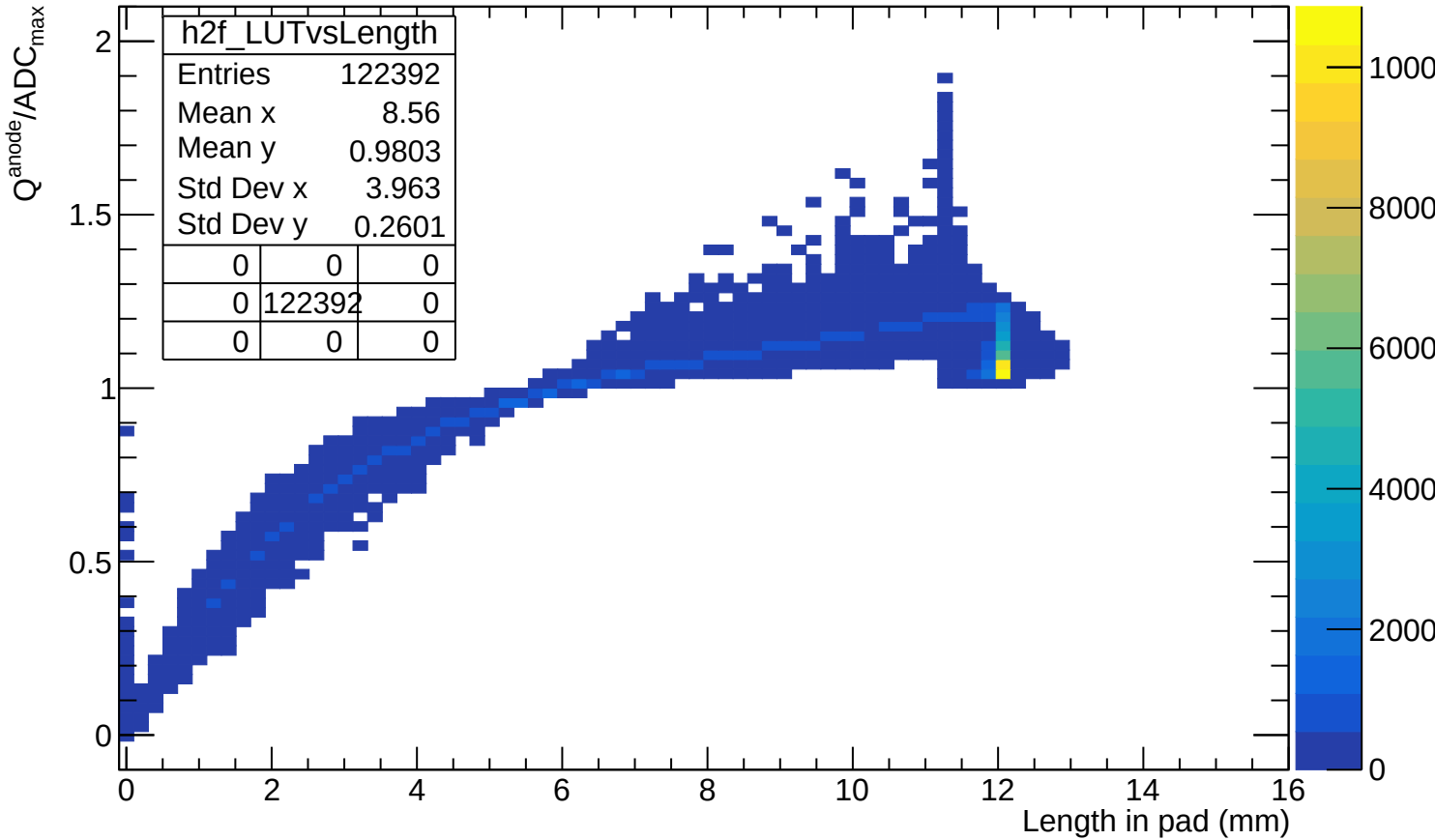

distance of track in pad
10^4
10^3
10^2
10
h1f_dist
Entries 122392
Mean 0.856
Std Dev 0.3963
Underflow 0
Overflow 0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

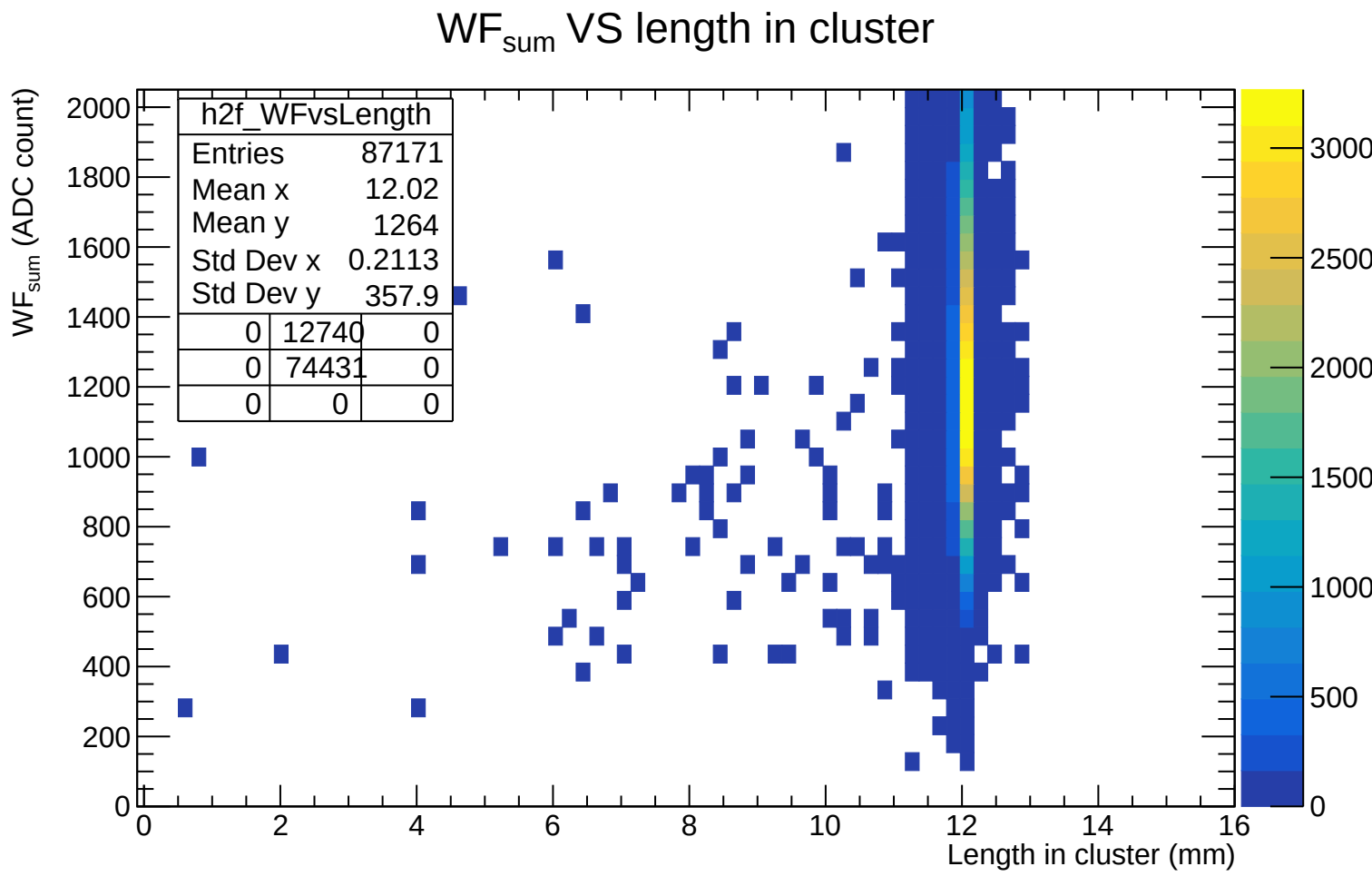

distance of track in cluster
h1f_dist_clus
Entries 87171
Mean 1.202
Std Dev 0.01982
Underflow 0
Overflow 0
10^4
10^3
10^2
10
1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
distance (cm)

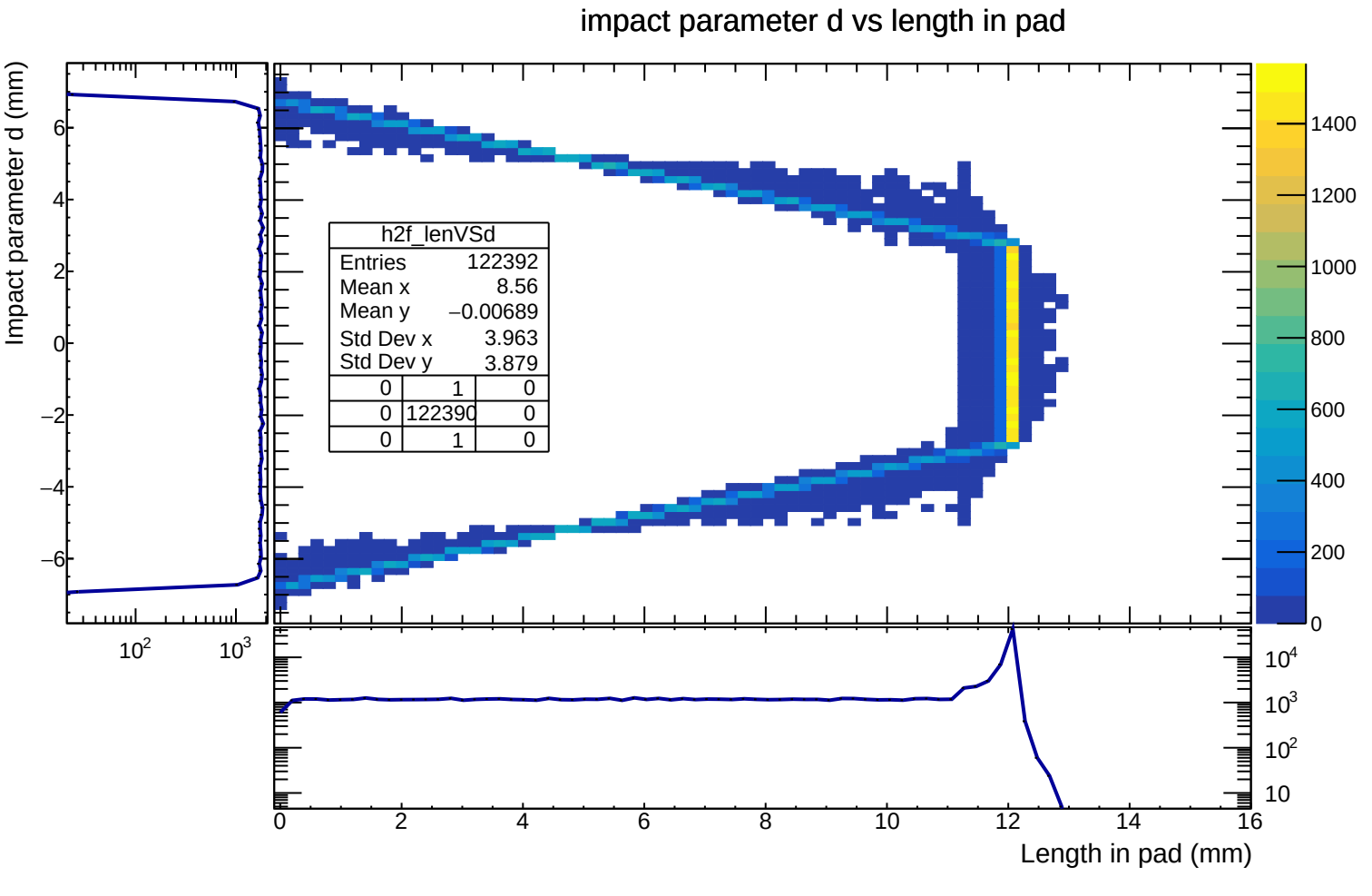

LUT(z_file) - LUT(z_calc)
h2f_ratiodiff
Entries 110745
Mean x 1.051
Mean y 0.005607
Std Dev x 0.1417
Std Dev y 0.006835
0 0 0
0 110745 0
0 0 0
LUT(z_file) - LUT(z_calc)
LUT(z_calc)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
1000
8000
6000
4000
2000
0


ADC$_{max}$ VS length in pad (before length cut)
h2f_AmaxvsLength
Entries 122392
Mean x 8.56
Mean y 988.1
Std Dev x 3.963
Std Dev y 600.6
0 0 0
0 122392 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
1200
1400
1600
1800
2000


Q^anode VS length in pad (before length cut)
h2f_QvsLength
Entries 122392
Mean x 8.557
Mean y 1038
Std Dev x 3.964
Std Dev y 706.8
0 112 0
0 122280 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
1200
1400
1600
1800


Q^{anode}/ADC_{max} VS length in pad (before length cut)
h2f_LUTvsLength
Entries 122392
Mean x 8.56
Mean y 0.9803
Std Dev x 3.963
Std Dev y 0.2601
0 0 0
0 122392 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
2000
4000
6000
8000
1000


WF_sum VS length in cluster
h2f_WFvsLength
Entries 87171
Mean x 12.02
Mean y 1264
Std Dev x 0.2113
Std Dev y 357.9
0 12740 0
0 74431 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
500
1000
1500
2000
2500
3000


impact parameter d vs length in pad
Impact parameter d (mm)
Length in pad (mm)
h2f_lenVSd
Entries 122392
Mean x 8.56
Mean y −0.00689
Std Dev x 3.963
Std Dev y 3.879
0 1 0
0 122390 0
0 1 0