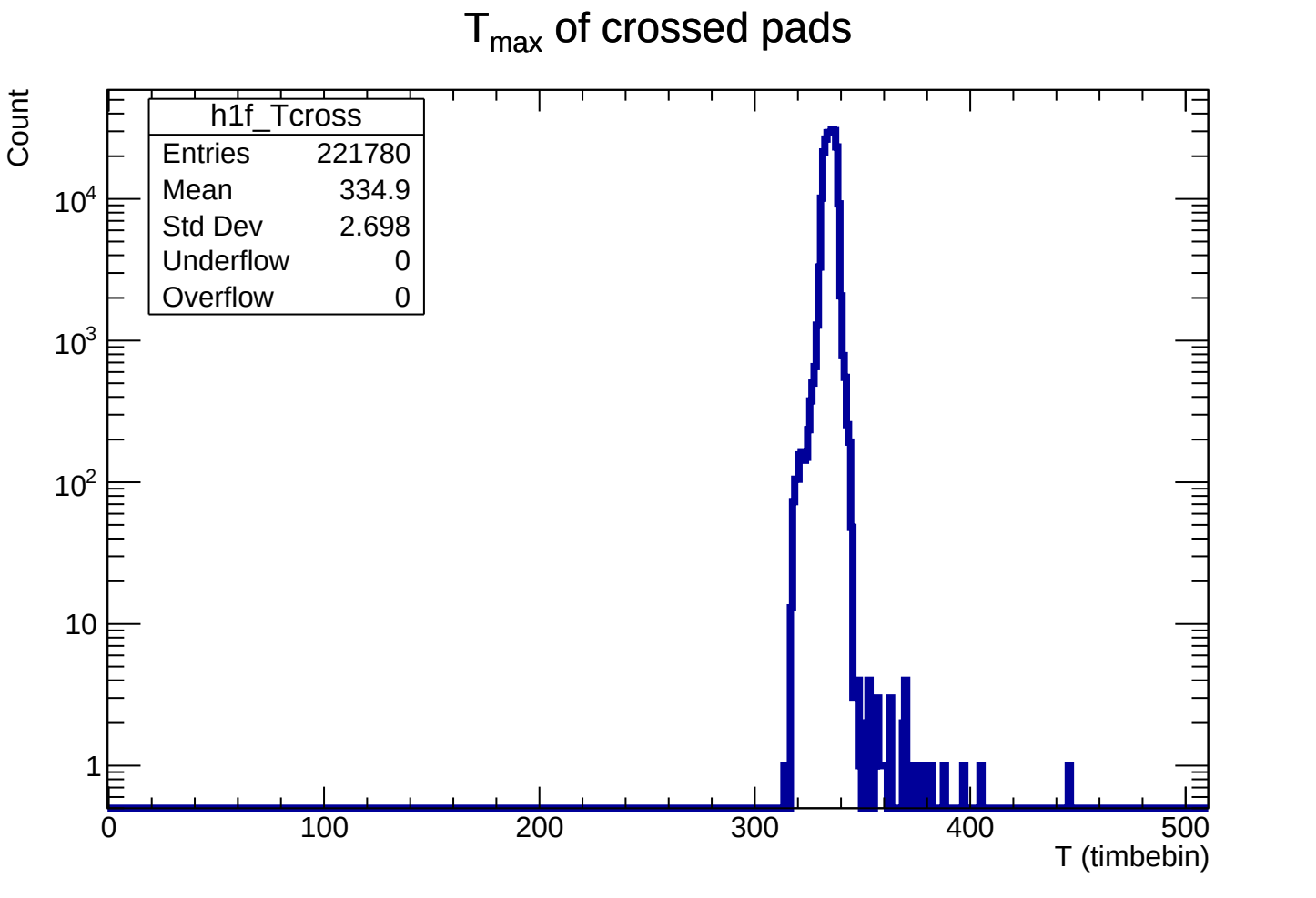
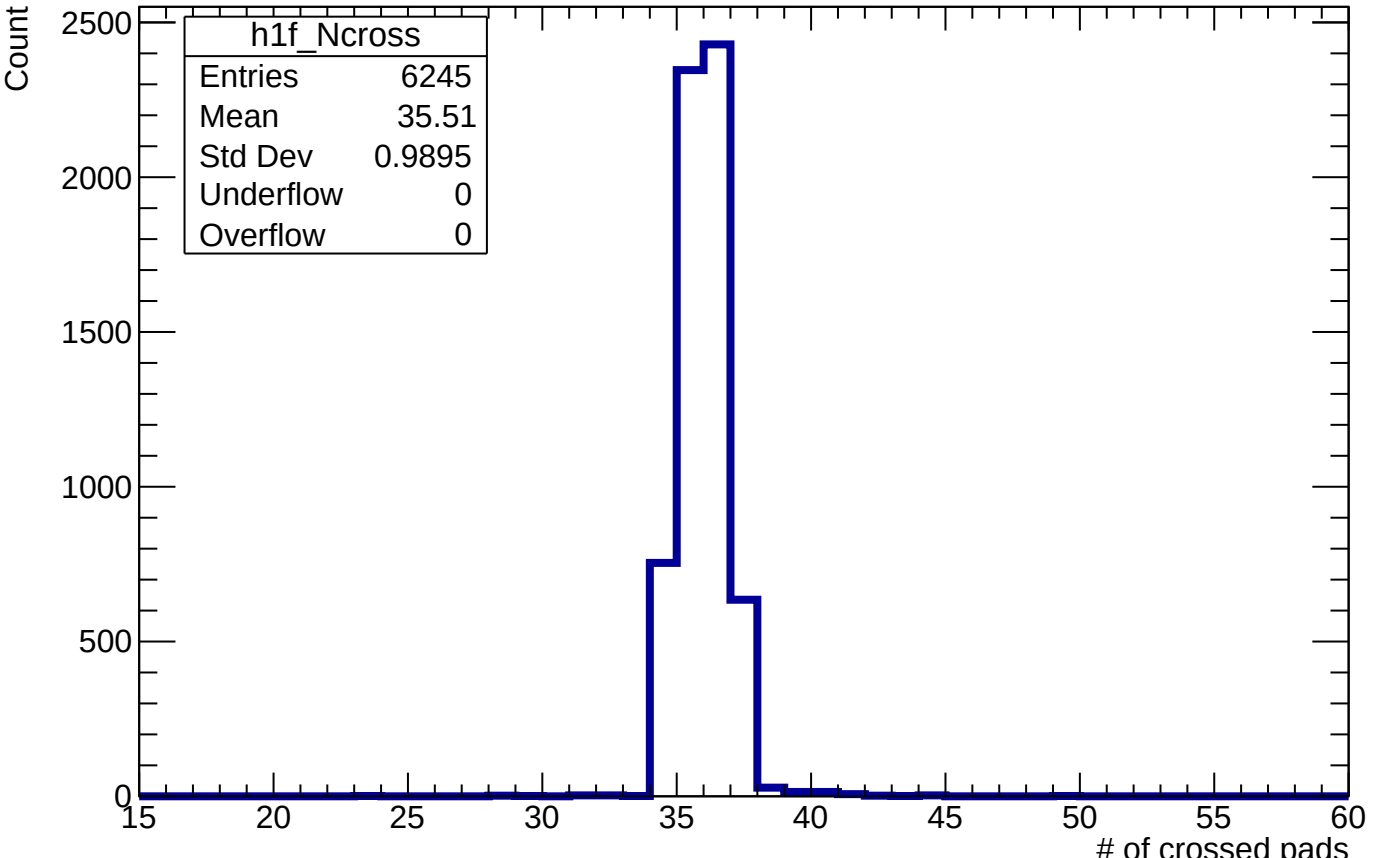
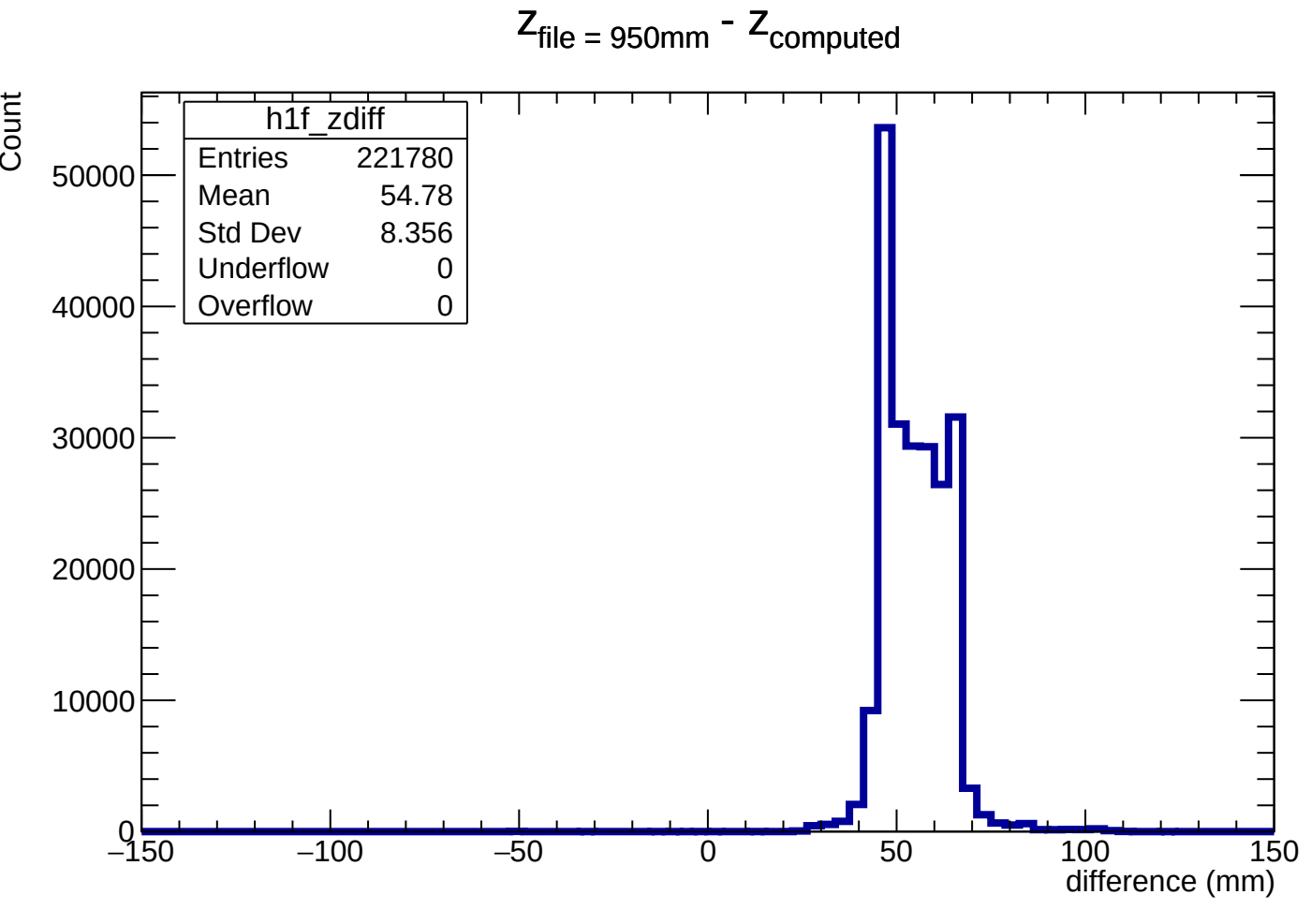
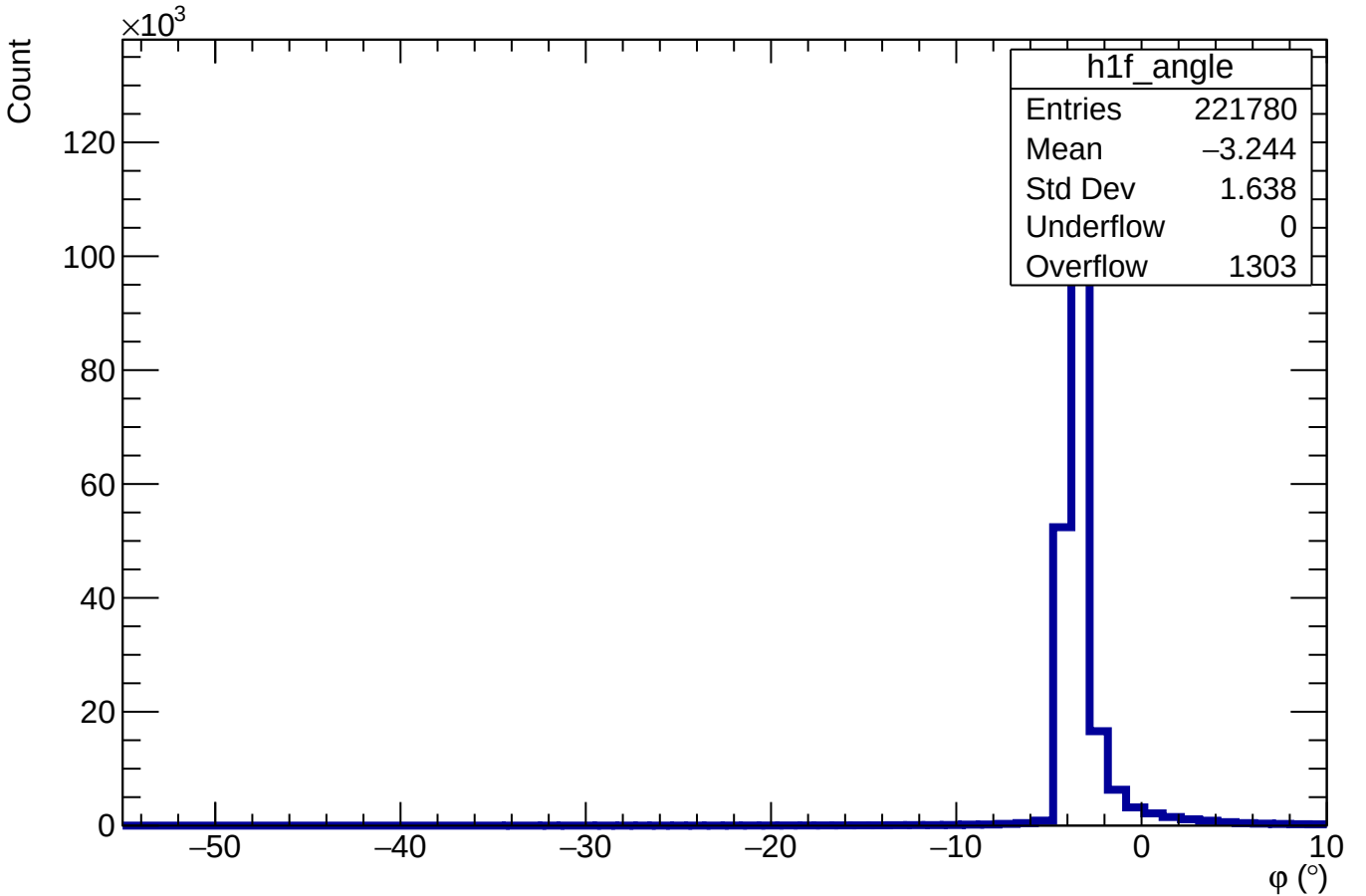
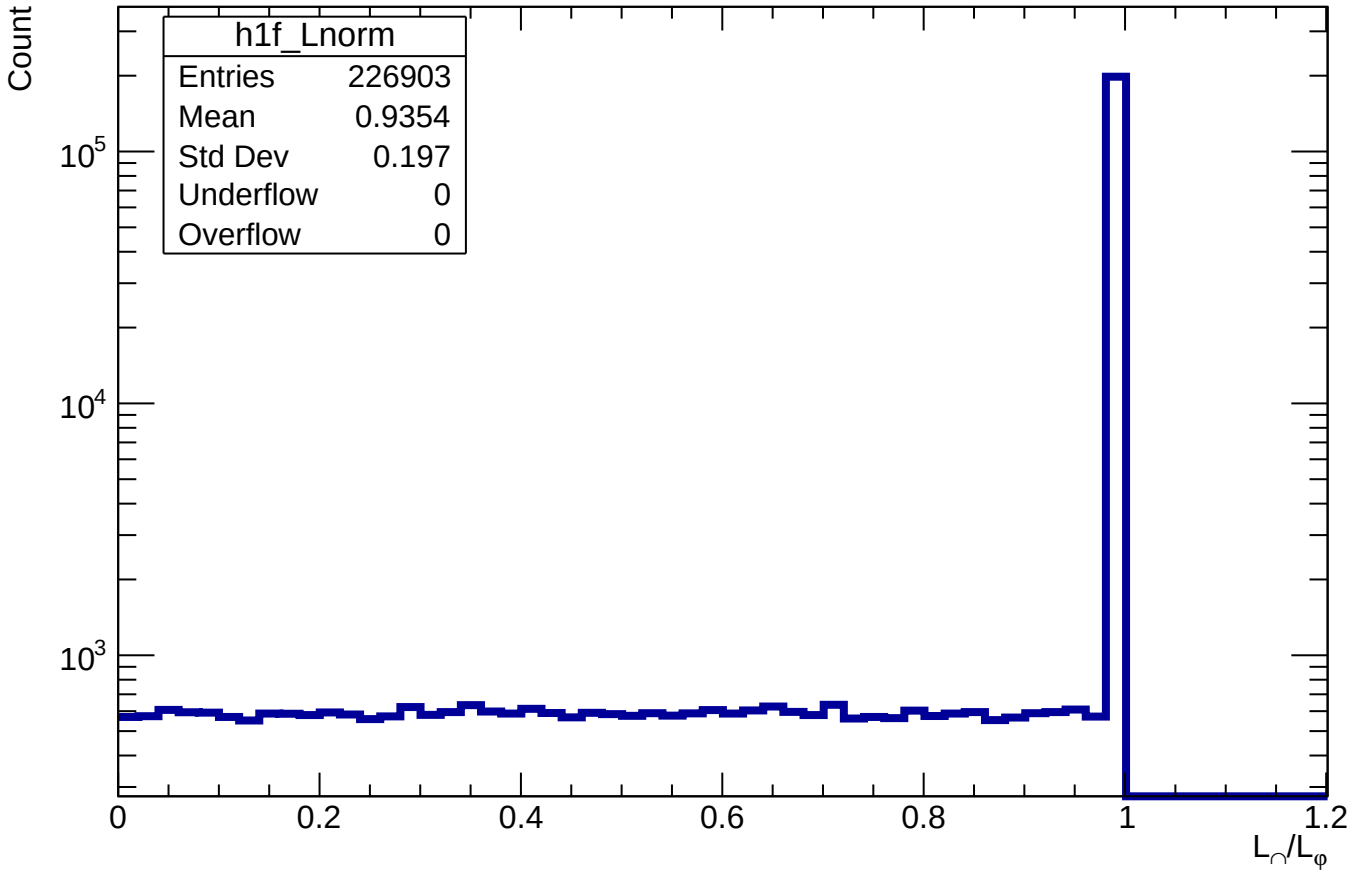
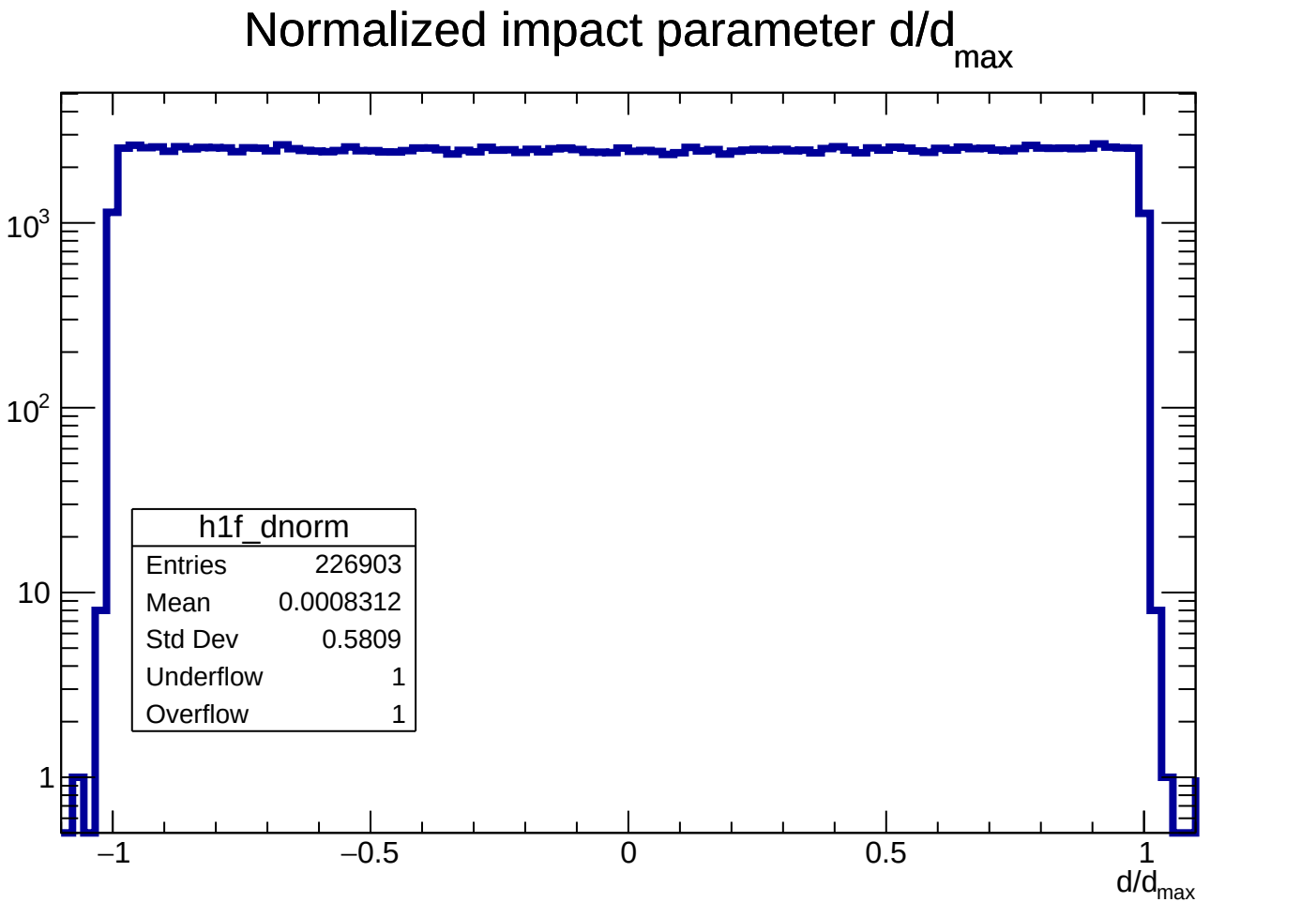

T_{max} of crossed pads
h1f_Tcross
Entries 221780
Mean 334.9
Std Dev 2.698
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

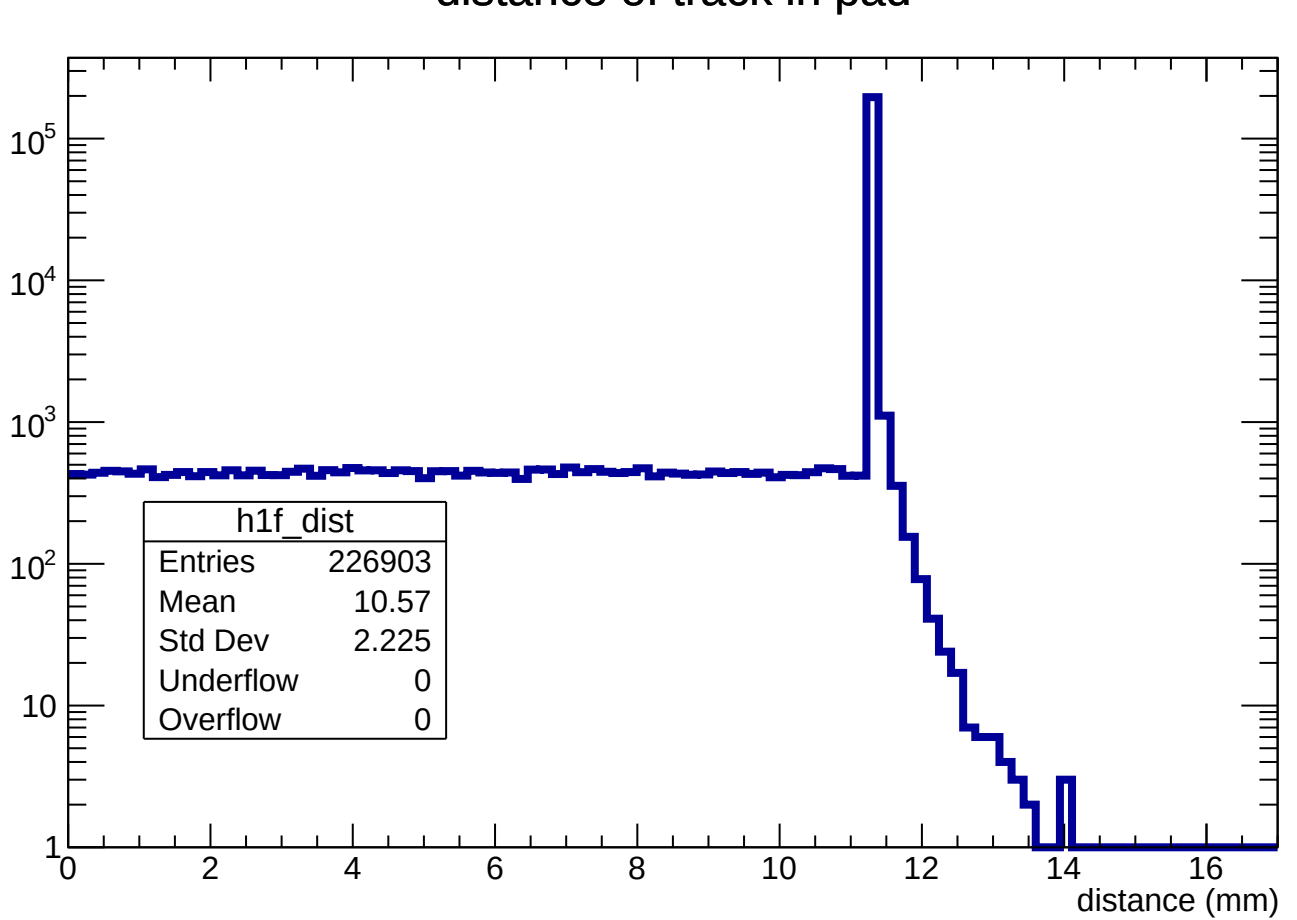

Number of crossed pads
h1f_Ncross
Entries 6245
Mean 35.51
Std Dev 0.9895
Underflow 0
Overflow 0
Count
2500
2000
1500
1000
500
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

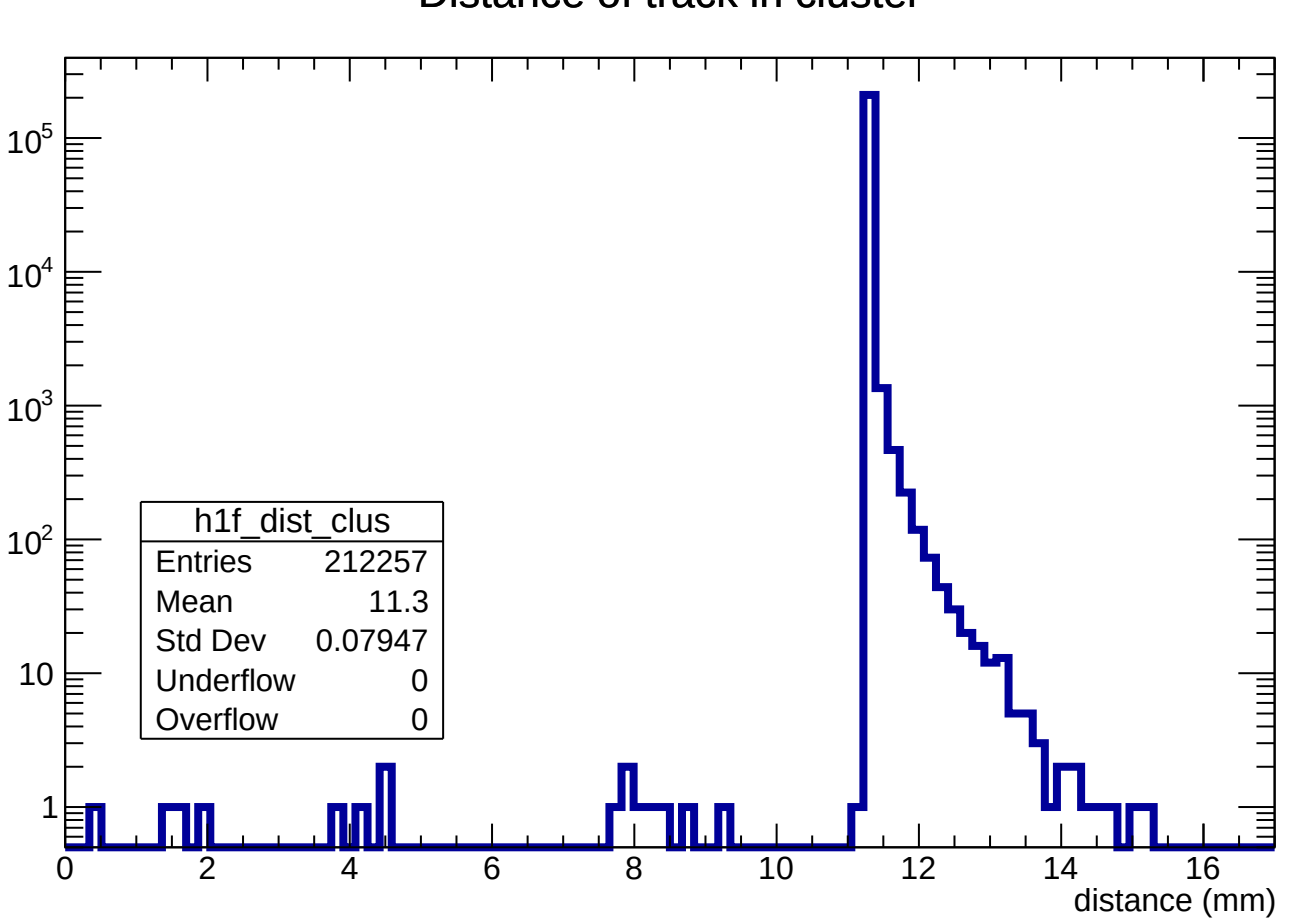

$z_{file = 950mm} - z_{computed}$
h1f_zdiff
Entries 221780
Mean 54.78
Std Dev 8.356
Underflow 0
Overflow 0
Count
50000
40000
30000
20000
10000
0
–150
–100
–50
0
50
100
150
difference (mm)

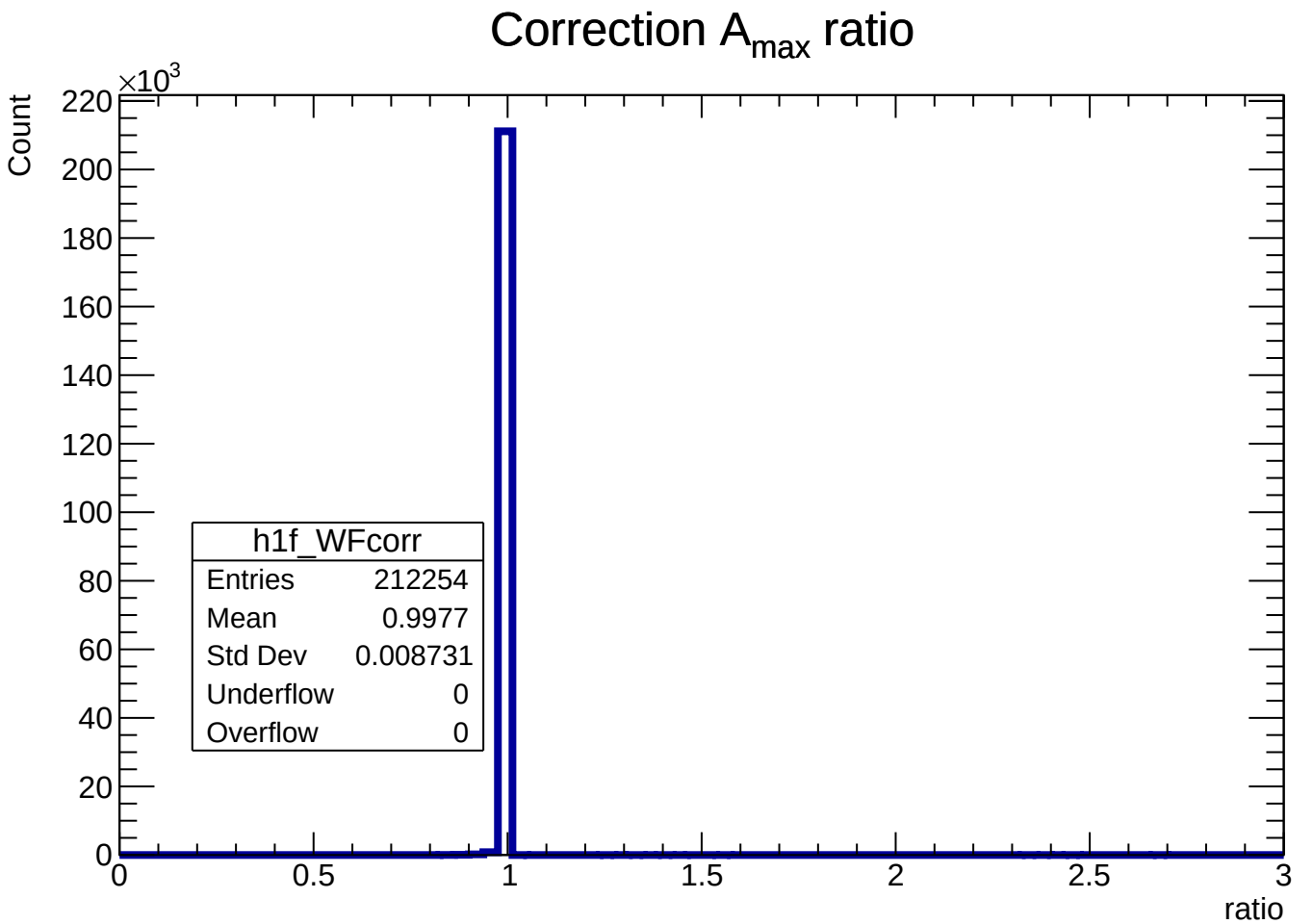

Angle φ in each pad
Count
×10^3
120
100
80
60
40
20
0
h1f_angle
Entries 221780
Mean –3.244
Std Dev 1.638
Underflow 0
Overflow 1303
–50
–40
–30
–20
–10
0
10
φ (°)

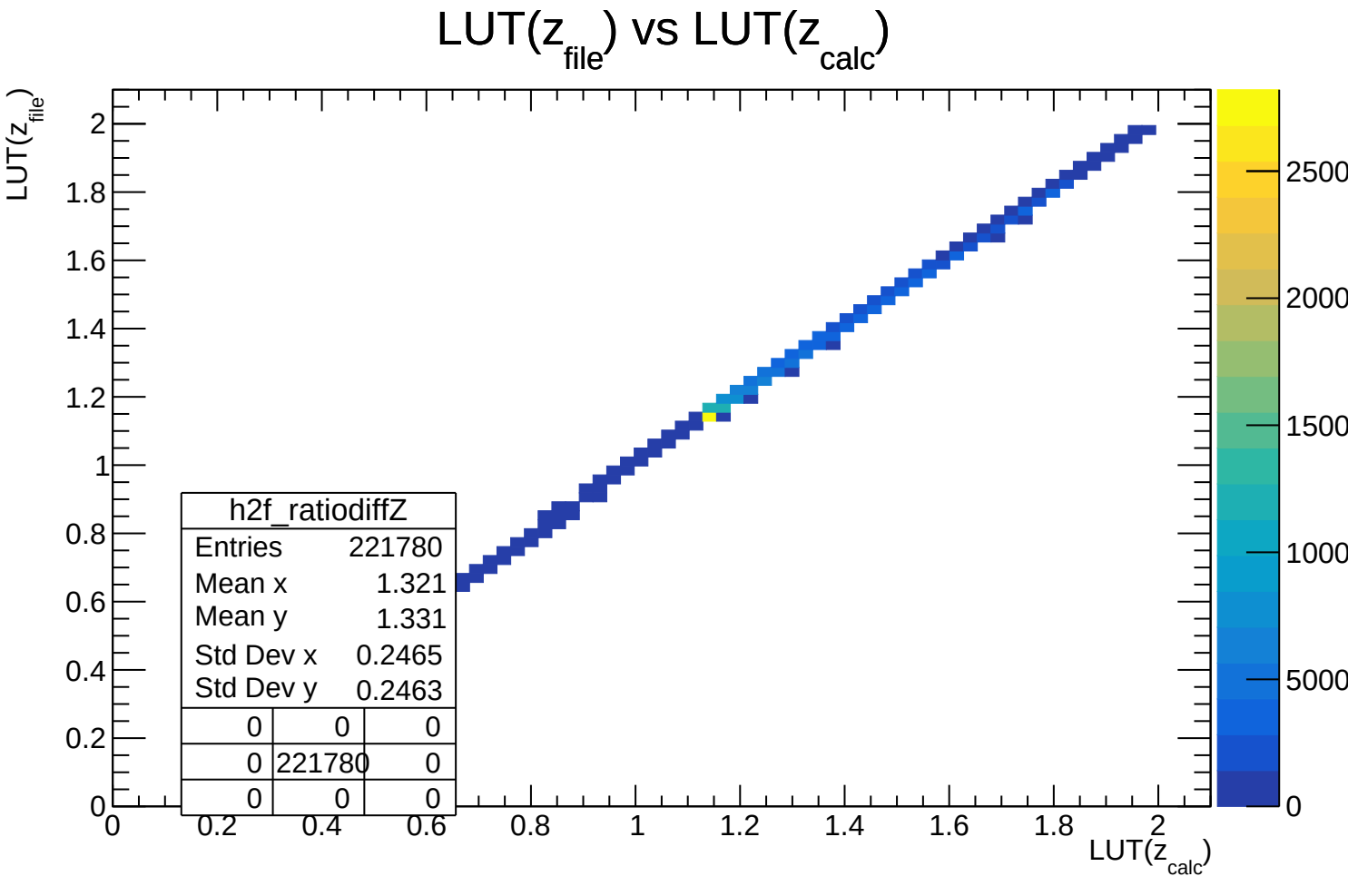

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 226903
Mean 0.9354
Std Dev 0.197
Underflow 0
Overflow 0
Count
10^5
10^4
10^3
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

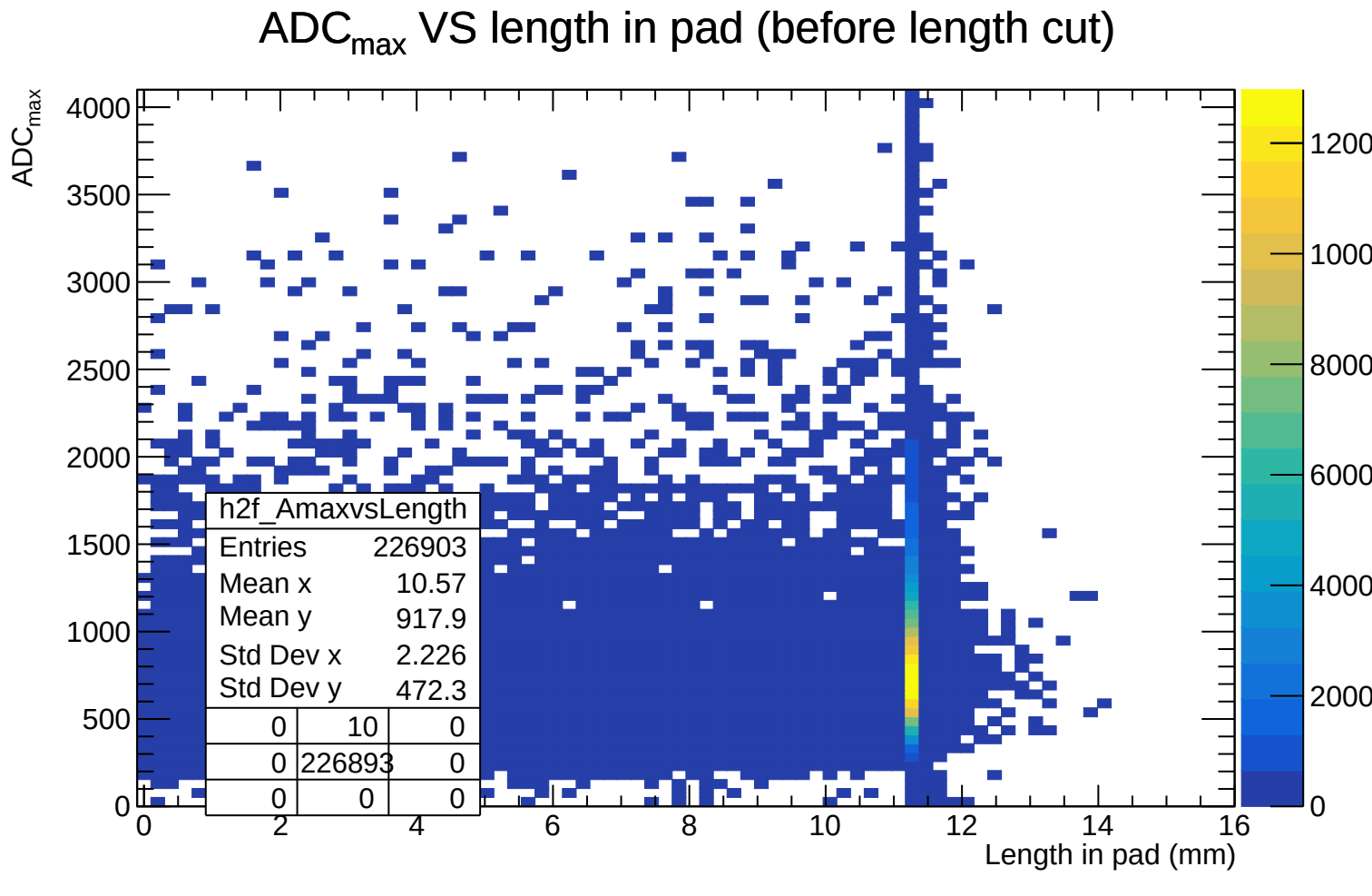

Normalized impact parameter d/d max
10^3
10^2
10
1
h1f_dnorm
Entries 226903
Mean 0.0008312
Std Dev 0.5809
Underflow 1
Overflow 1
−1
−0.5
0
0.5
1
d/d max

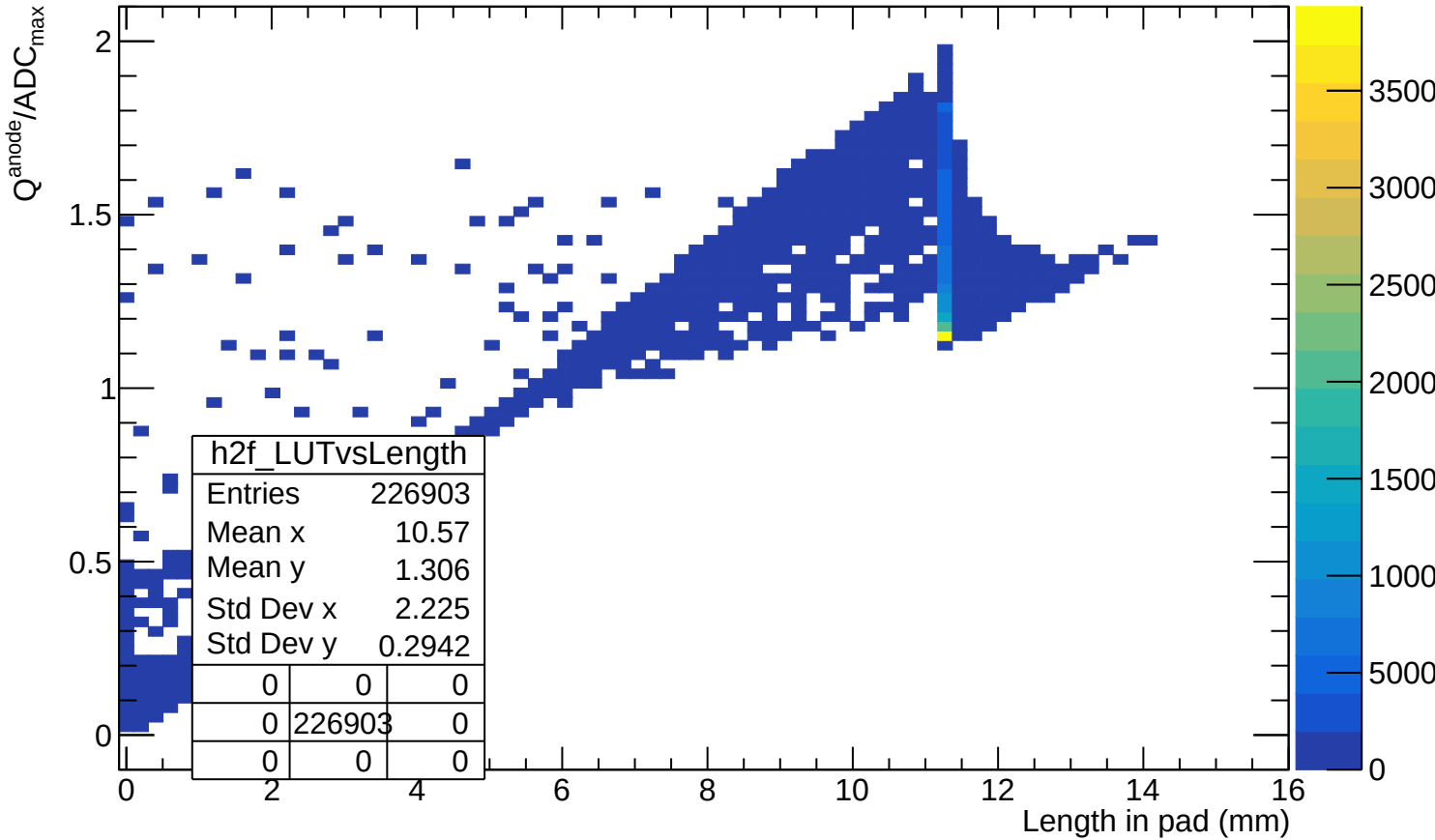

distance of track in pad
h1f_dist
Entries 226903
Mean 10.57
Std Dev 2.225
Underflow 0
Overflow 0
distance (mm)

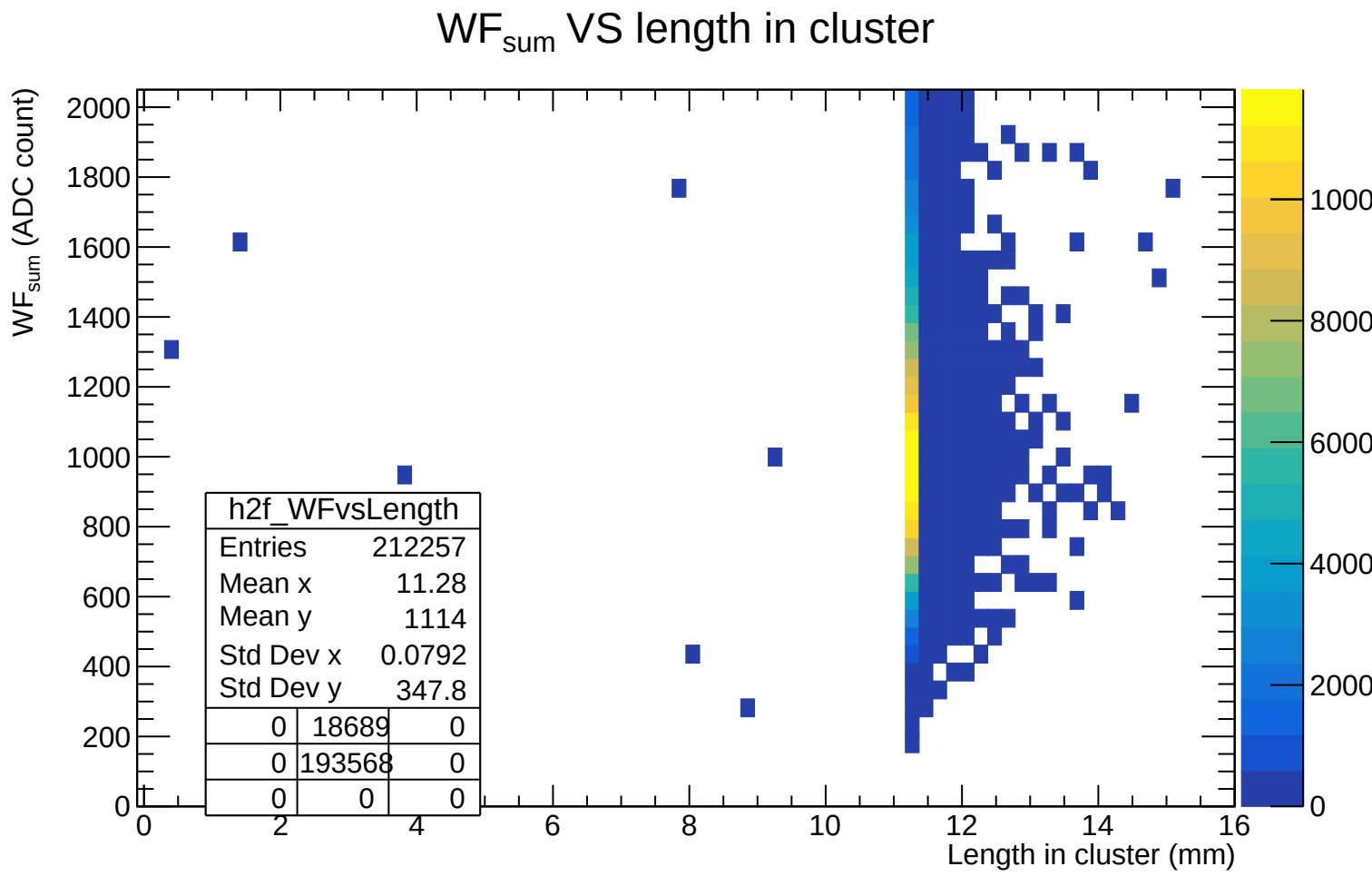

Distance of track in cluster
h1f_dist_clus
Entries 212257
Mean 11.3
Std Dev 0.07947
Underflow 0
Overflow 0
distance (mm)

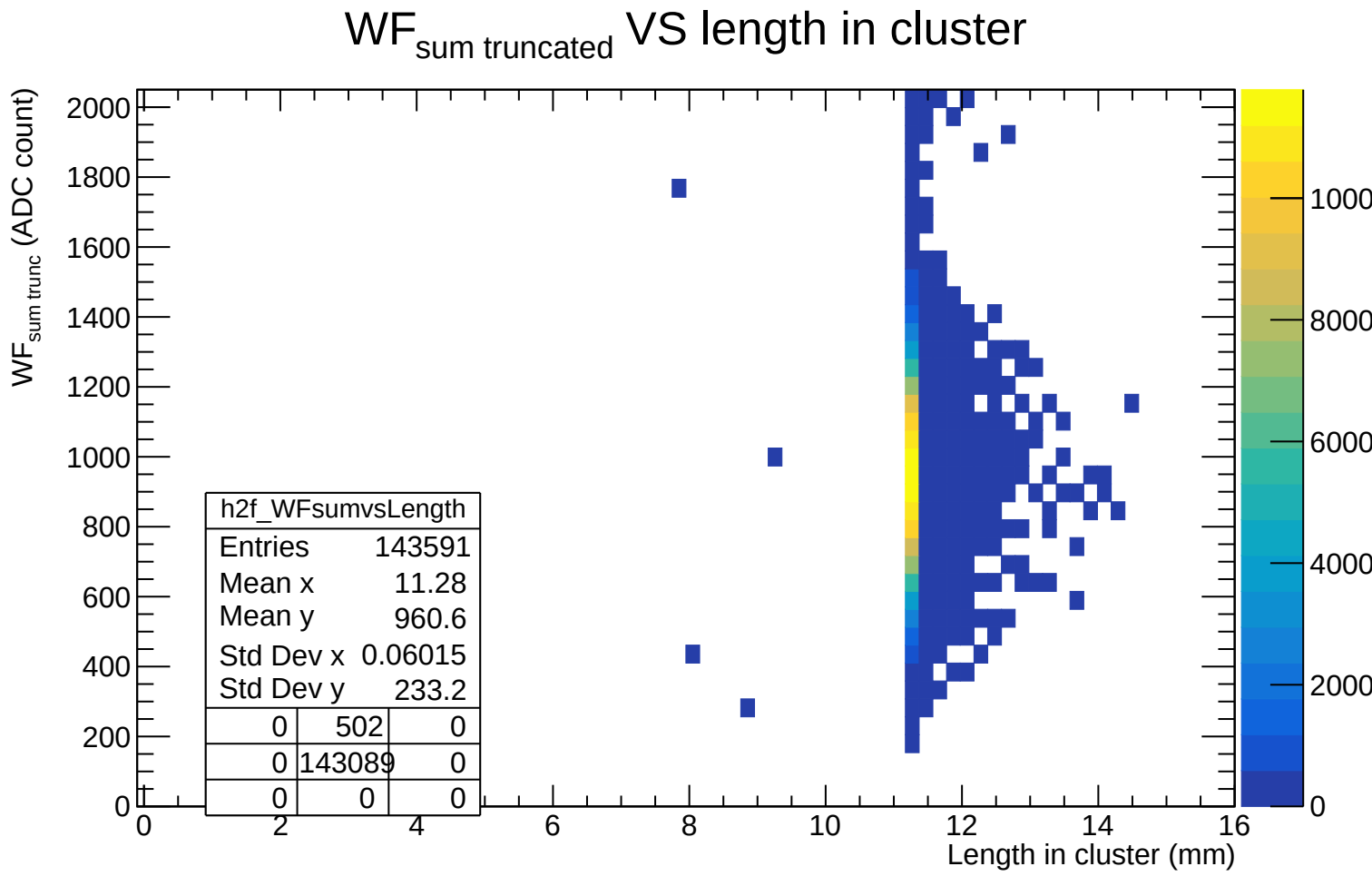

Correction A_{max} ratio
Count
×10^3
220
200
180
160
140
120
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
ratio
h1f_WFcorr
Entries 212254
Mean 0.9977
Std Dev 0.008731
Underflow 0
Overflow 0

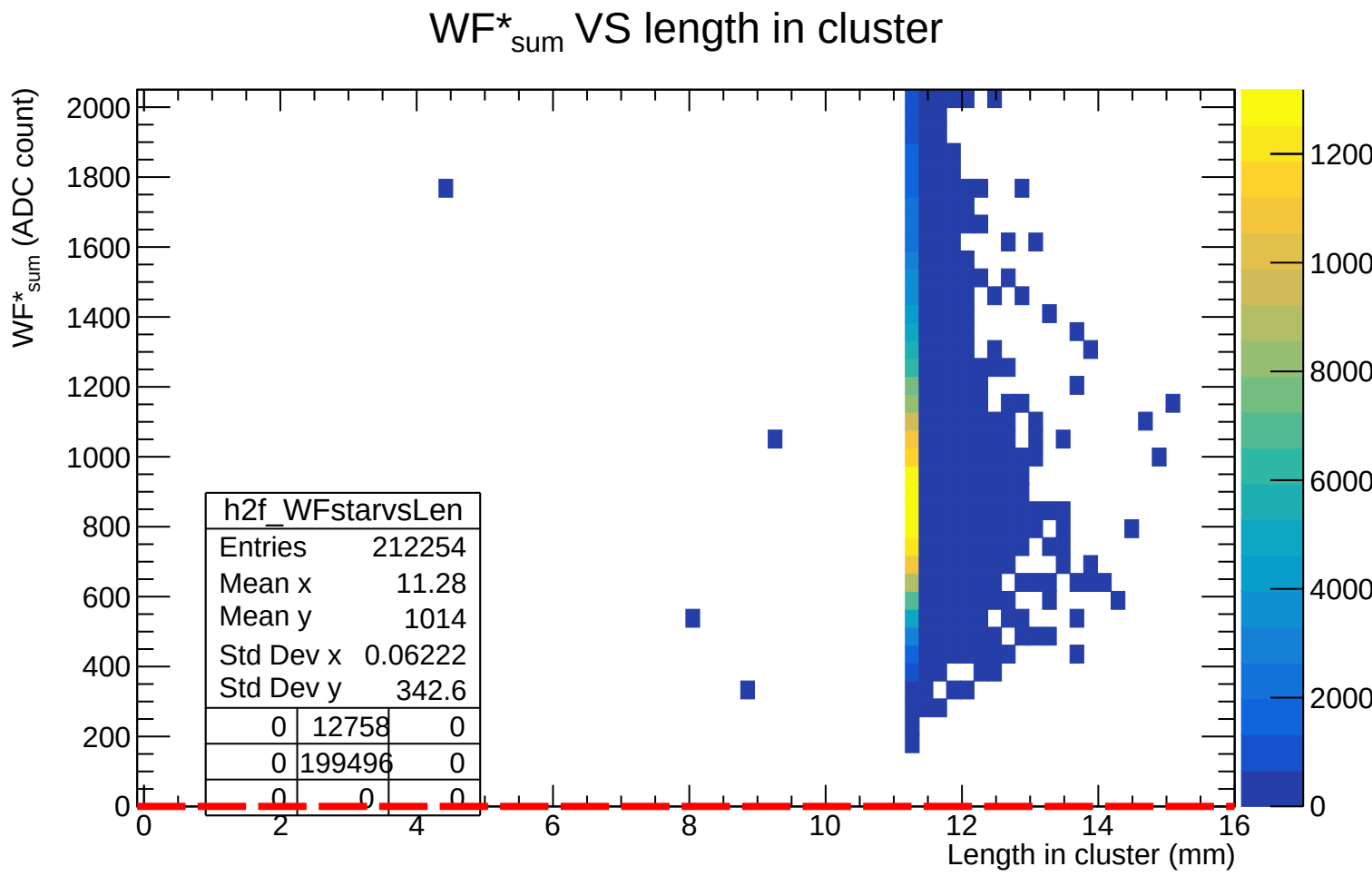

LUT(z_file) vs LUT(z_calc)
LUT(z_file)
LUT(z_calc)
h2f_ratiodiffZ
Entries 221780
Mean x 1.321
Mean y 1.331
Std Dev x 0.2465
Std Dev y 0.2463
0 0 0
0 221780 0
0 0 0

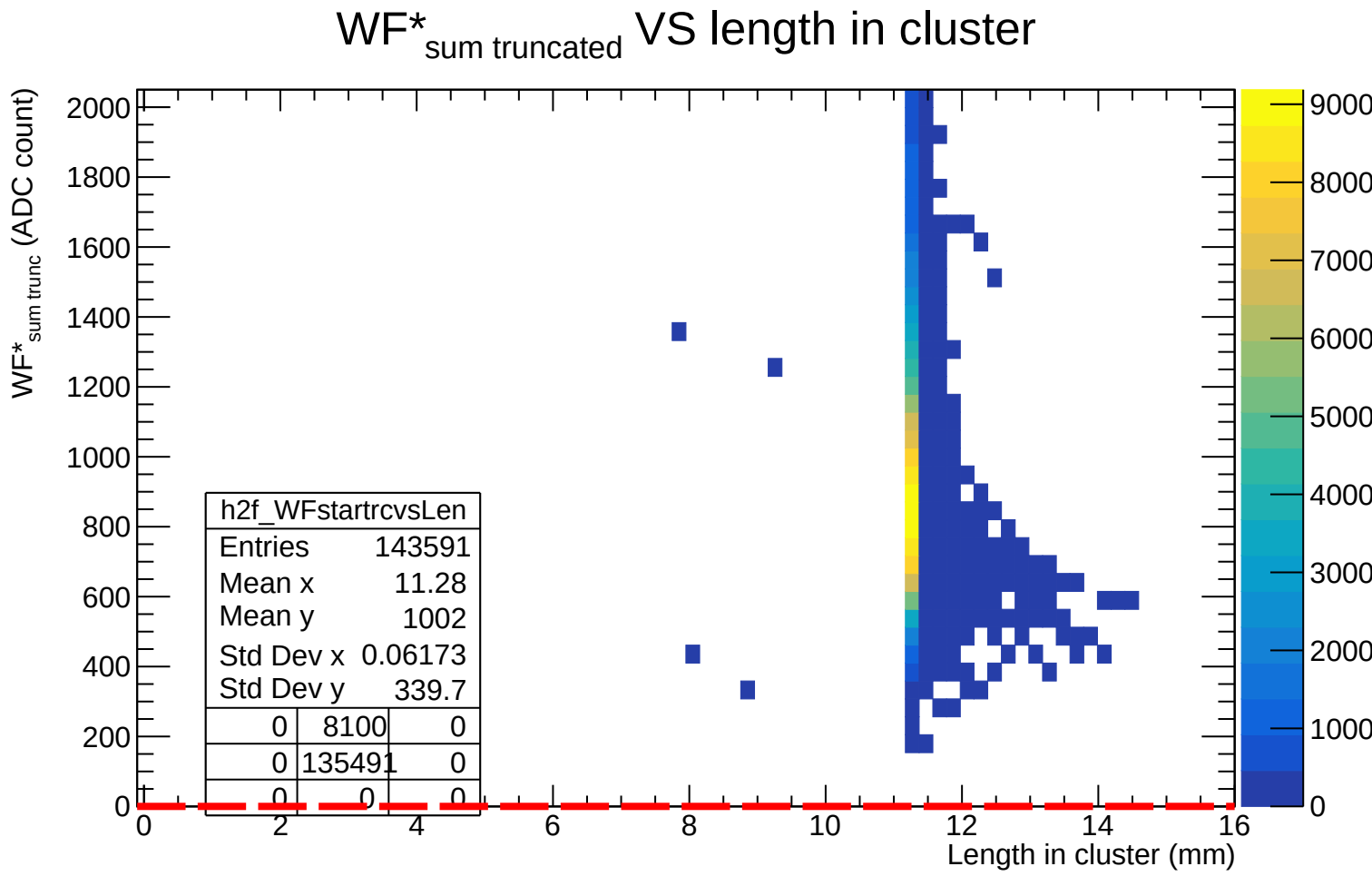

ADC_max VS length in pad (before length cut)
ADC_max
Length in pad (mm)
h2f_AmaxvsLength
Entries 226903
Mean x 10.57
Mean y 917.9
Std Dev x 2.226
Std Dev y 472.3
0 10 0
0 226893 0
0 0 0

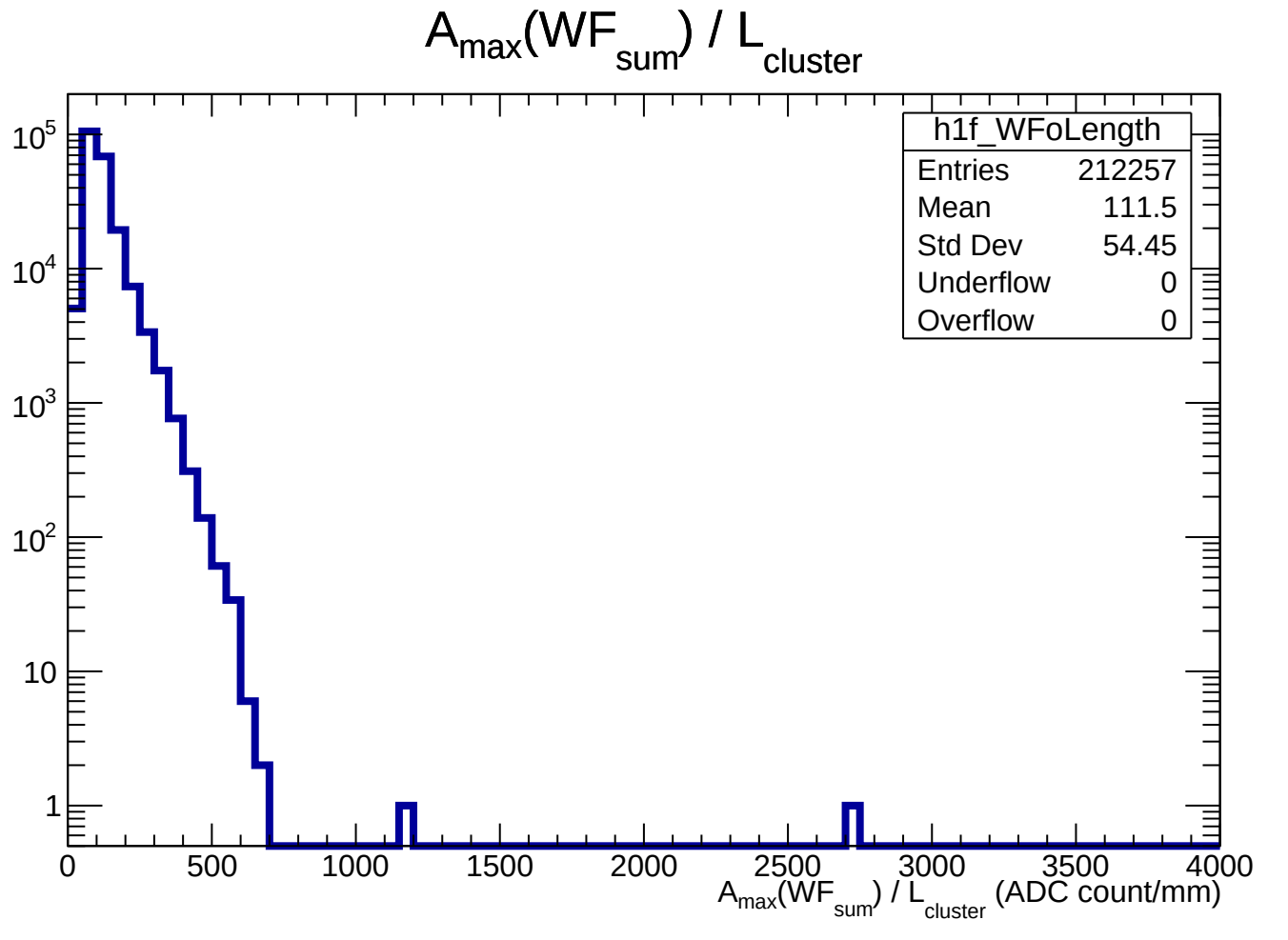

Q^anode/ADC_max VS length in pad (before length cut)
Q^anode/ADC_max
Length in pad (mm)
h2f_LUTvsLength
Entries 226903
Mean x 10.57
Mean y 1.306
Std Dev x 2.225
Std Dev y 0.2942
0 0 0
0 226903 0
0 0 0
0
0.5
1
1.5
2
0
2
4
6
8
10
12
14
16
0
500
1000
1500
2000
2500
3000
3500

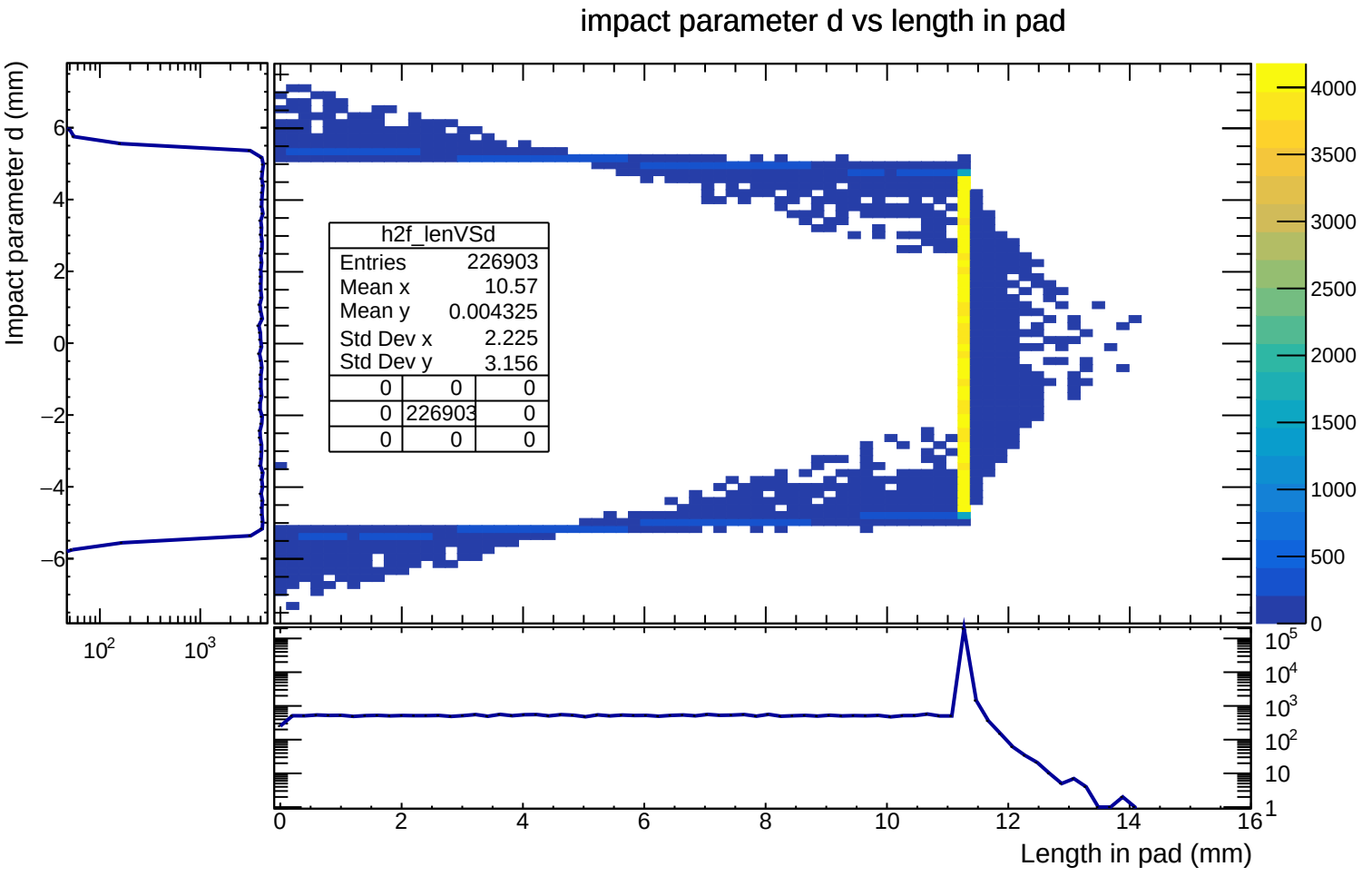

WF_sum VS length in cluster
WF_sum (ADC count)
Length in cluster (mm)
h2f_WFvsLength
Entries 212257
Mean x 11.28
Mean y 1114
Std Dev x 0.0792
Std Dev y 347.8
0 18689 0
0 193568 0
0 0 0


WF sum truncated VS length in cluster
WF sum trunc (ADC count)
Length in cluster (mm)
h2f_WFsumvsLength
Entries 143591
Mean x 11.28
Mean y 960.6
Std Dev x 0.06015
Std Dev y 233.2
0 502 0
0 143089 0
0 0 0


WF*sum VS length in cluster
WF*sum (ADC count)
Length in cluster (mm)
h2f_WFstarvsLen
Entries 212254
Mean x 11.28
Mean y 1014
Std Dev x 0.06222
Std Dev y 342.6
0 12758 0
0 199496 0
0 0 0


WF*sum truncated VS length in cluster
WF*sum trunc (ADC count)
Length in cluster (mm)
h2f_WFstartrcvsLen
Entries 143591
Mean x 11.28
Mean y 1002
Std Dev x 0.06173
Std Dev y 339.7
0 8100 0
0 135491 0
0 0 0


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 212257
Mean 111.5
Std Dev 54.45
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)
h2f_lenVSd
Entries 226903
Mean x 10.57
Mean y 0.004325
Std Dev x 2.225
Std Dev y 3.156
0 0 0
0 226903 0
0 0 0
Length in pad (mm)