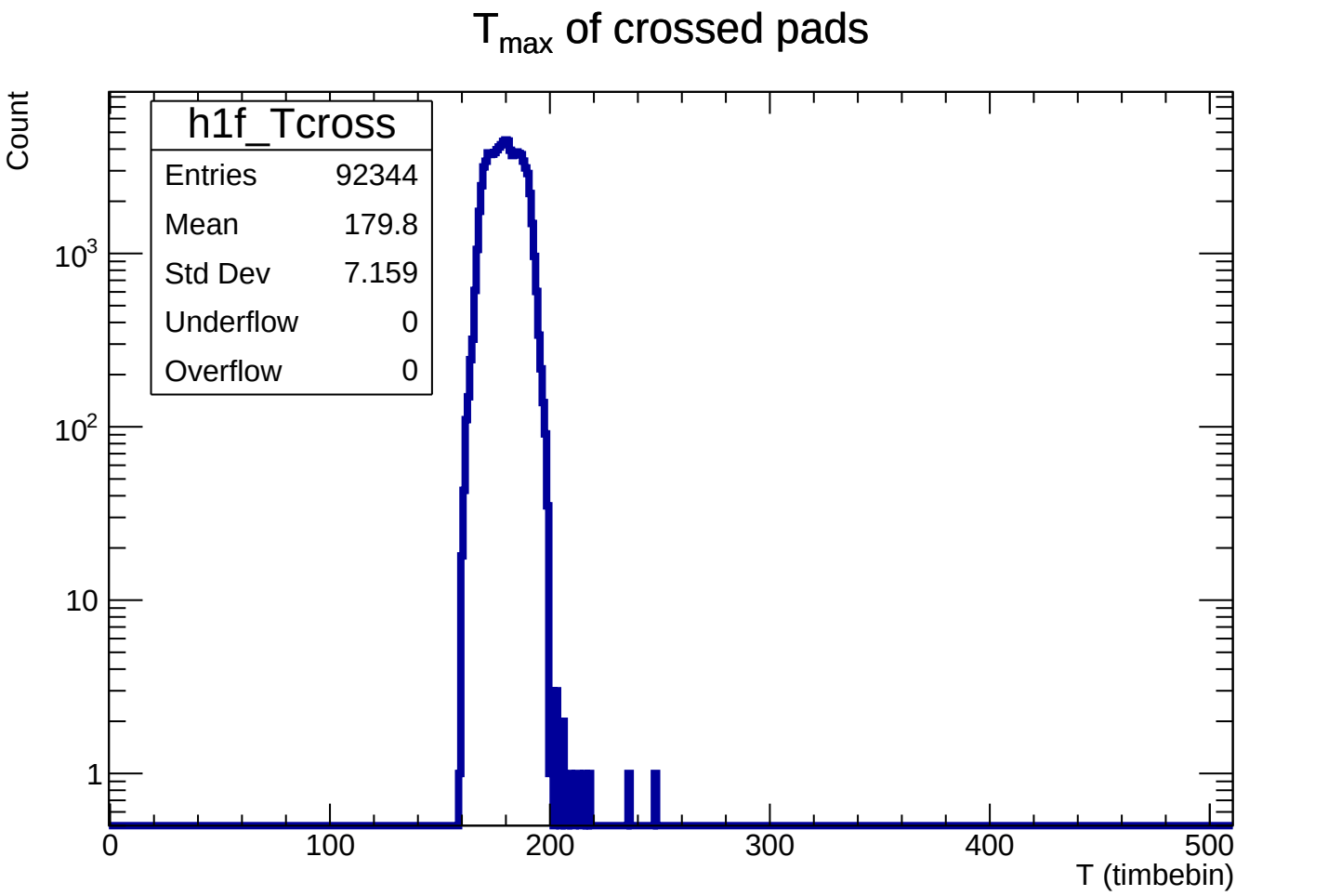
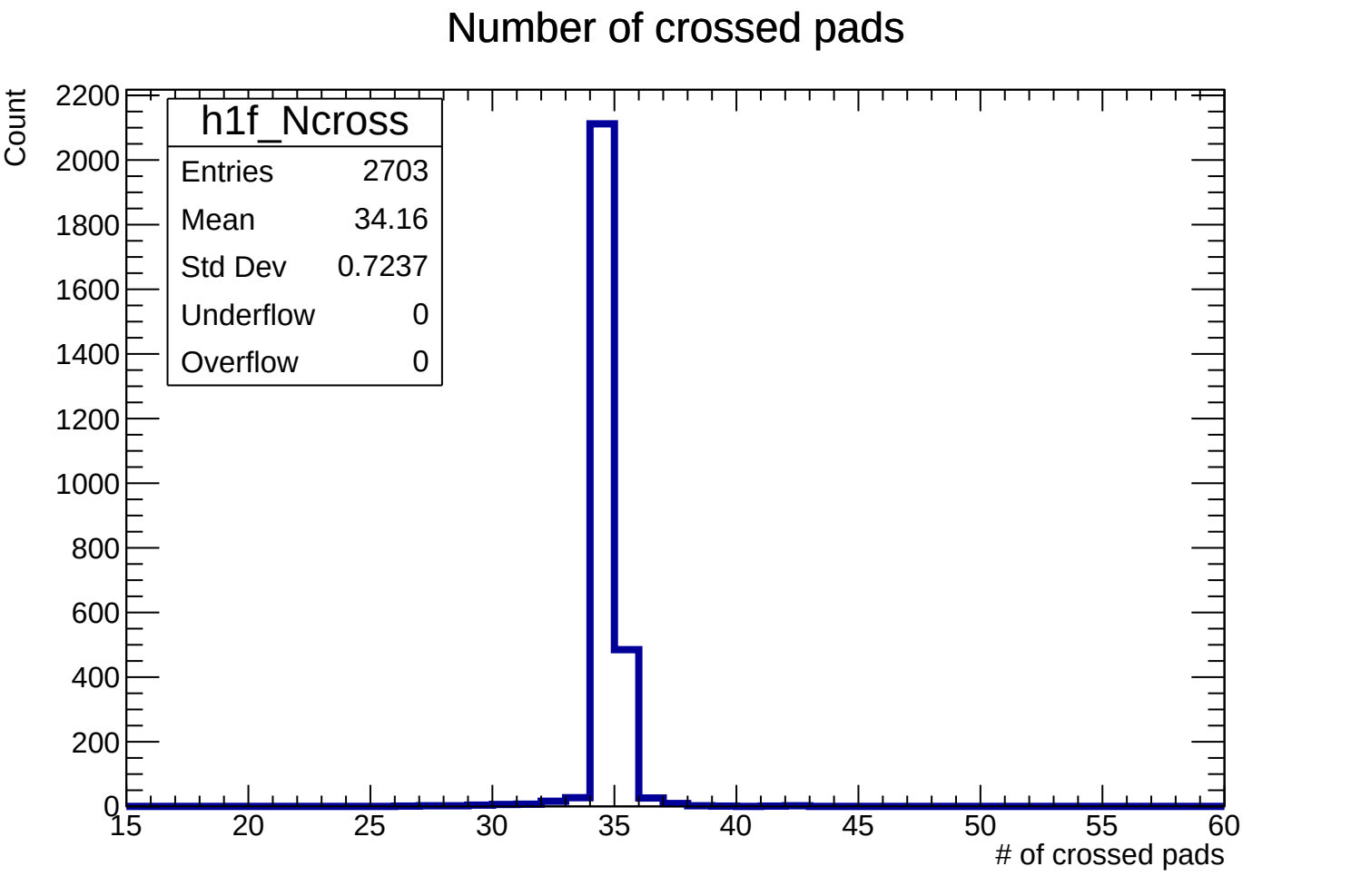
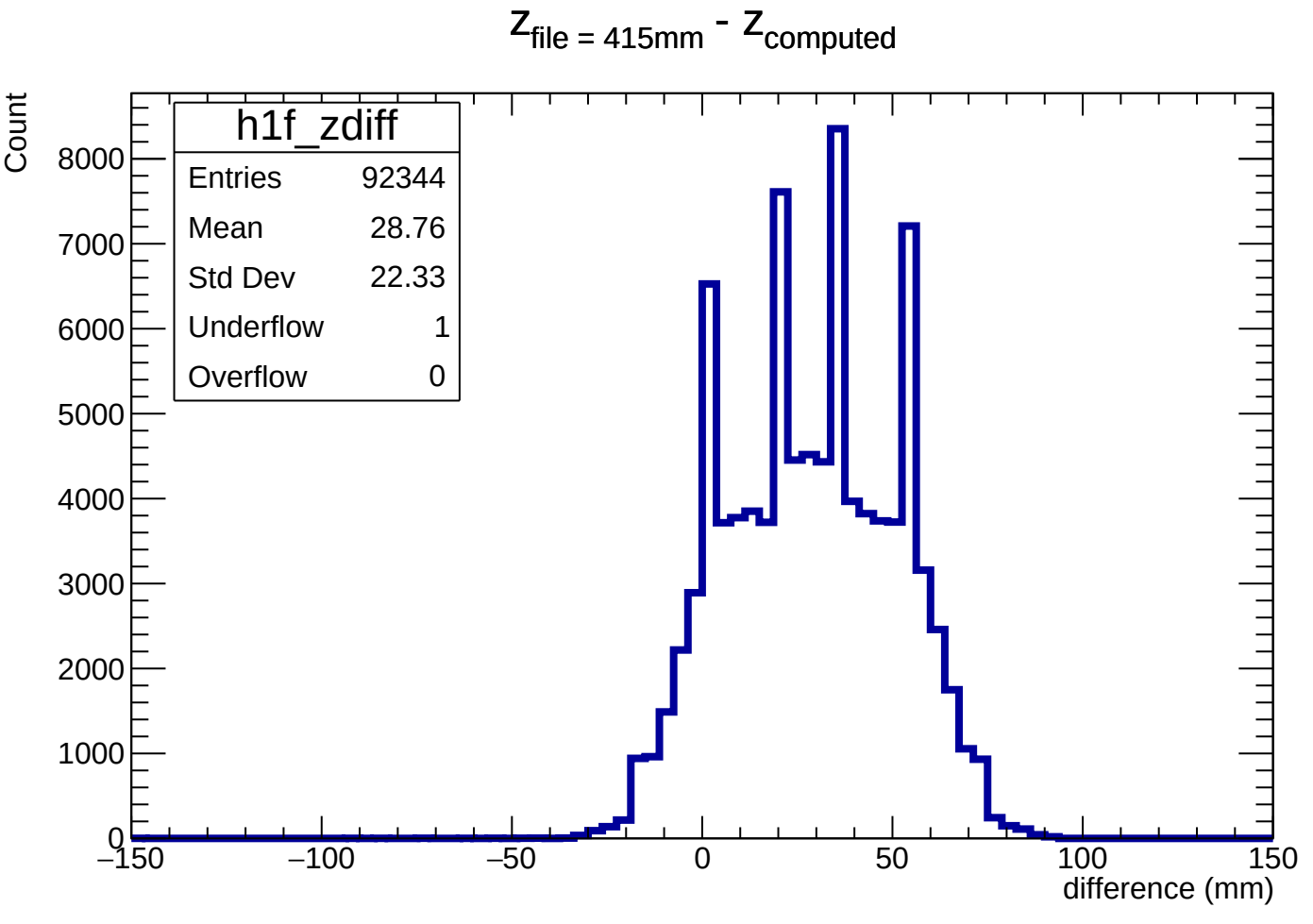
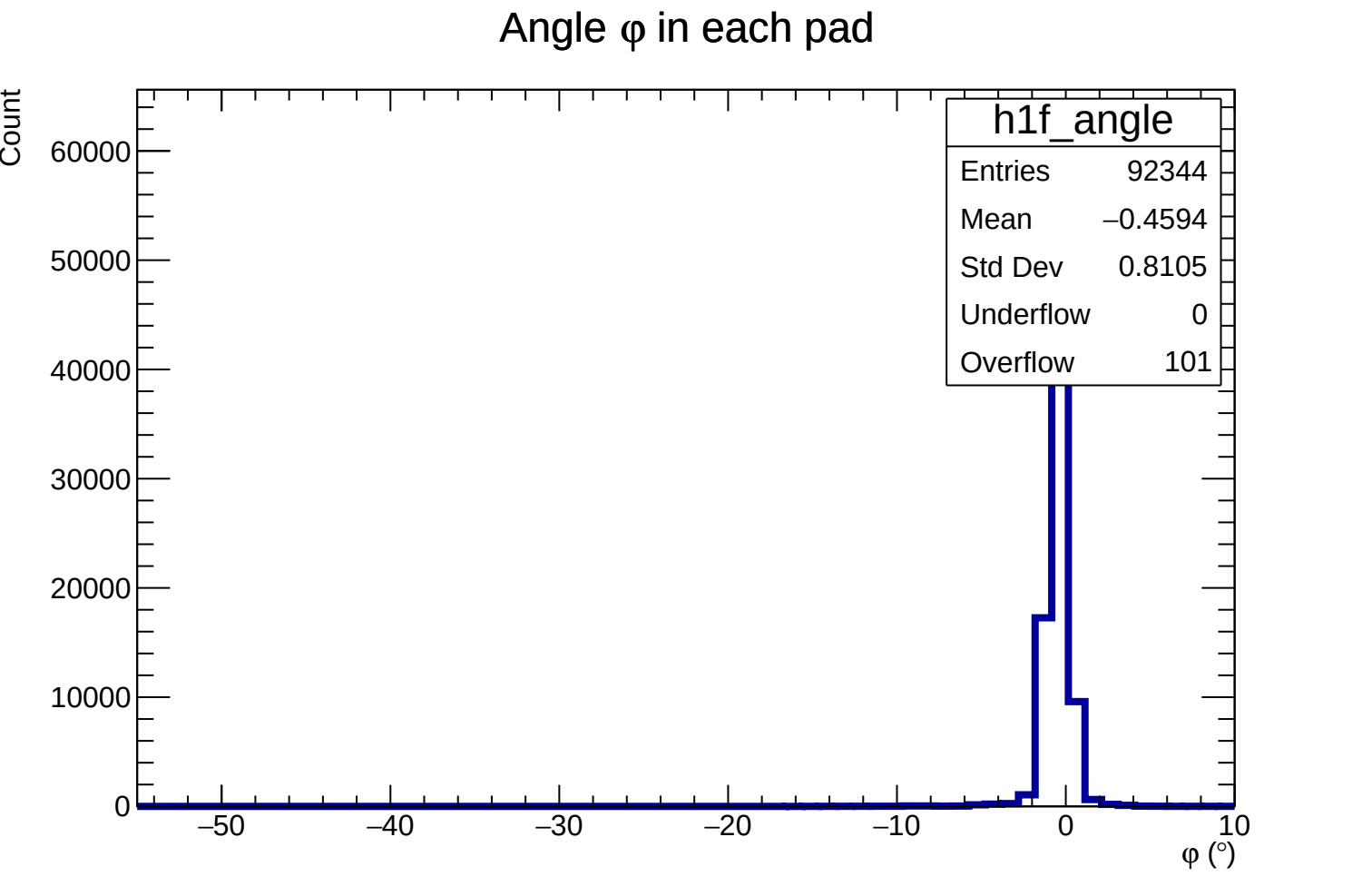
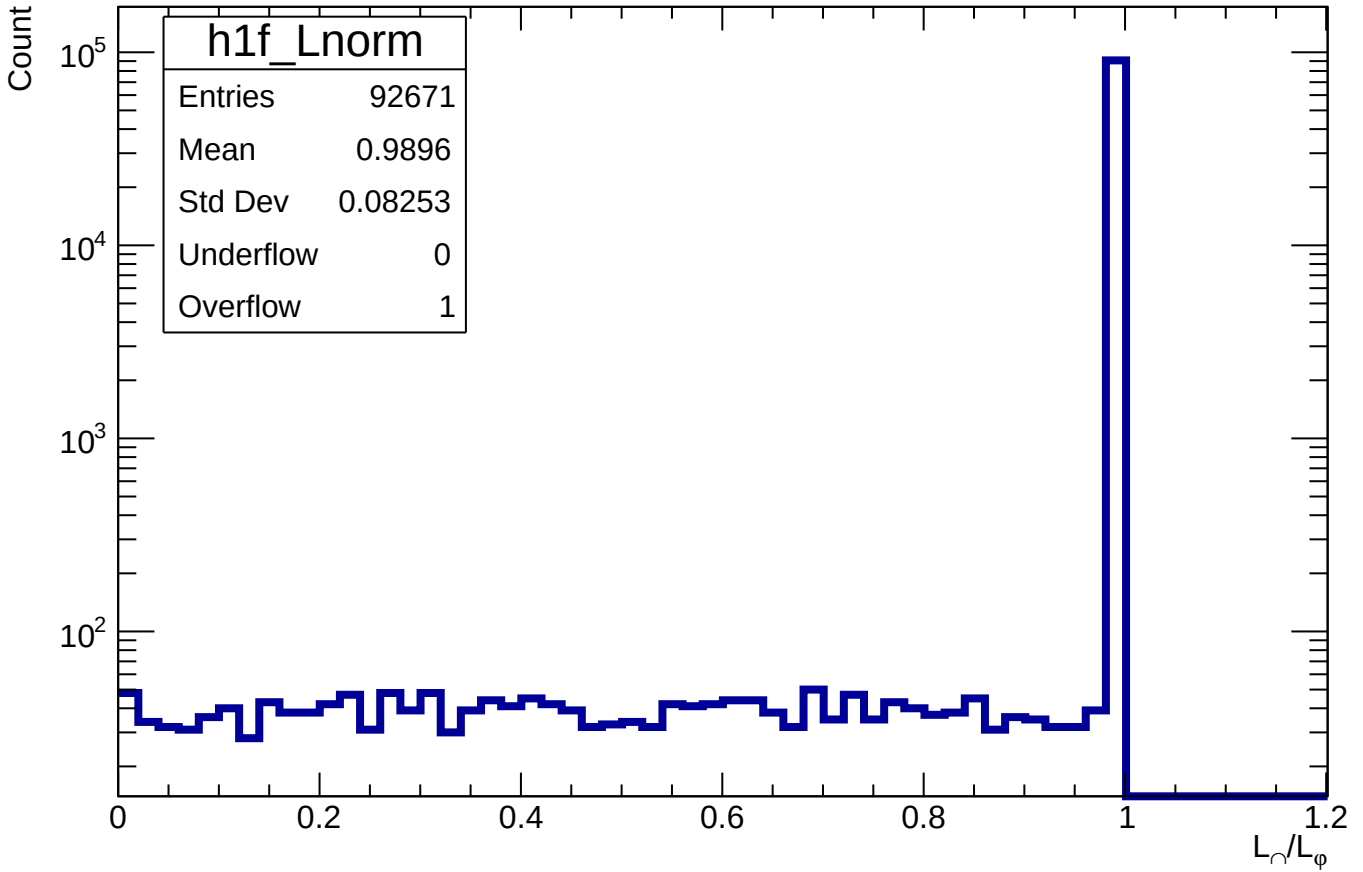
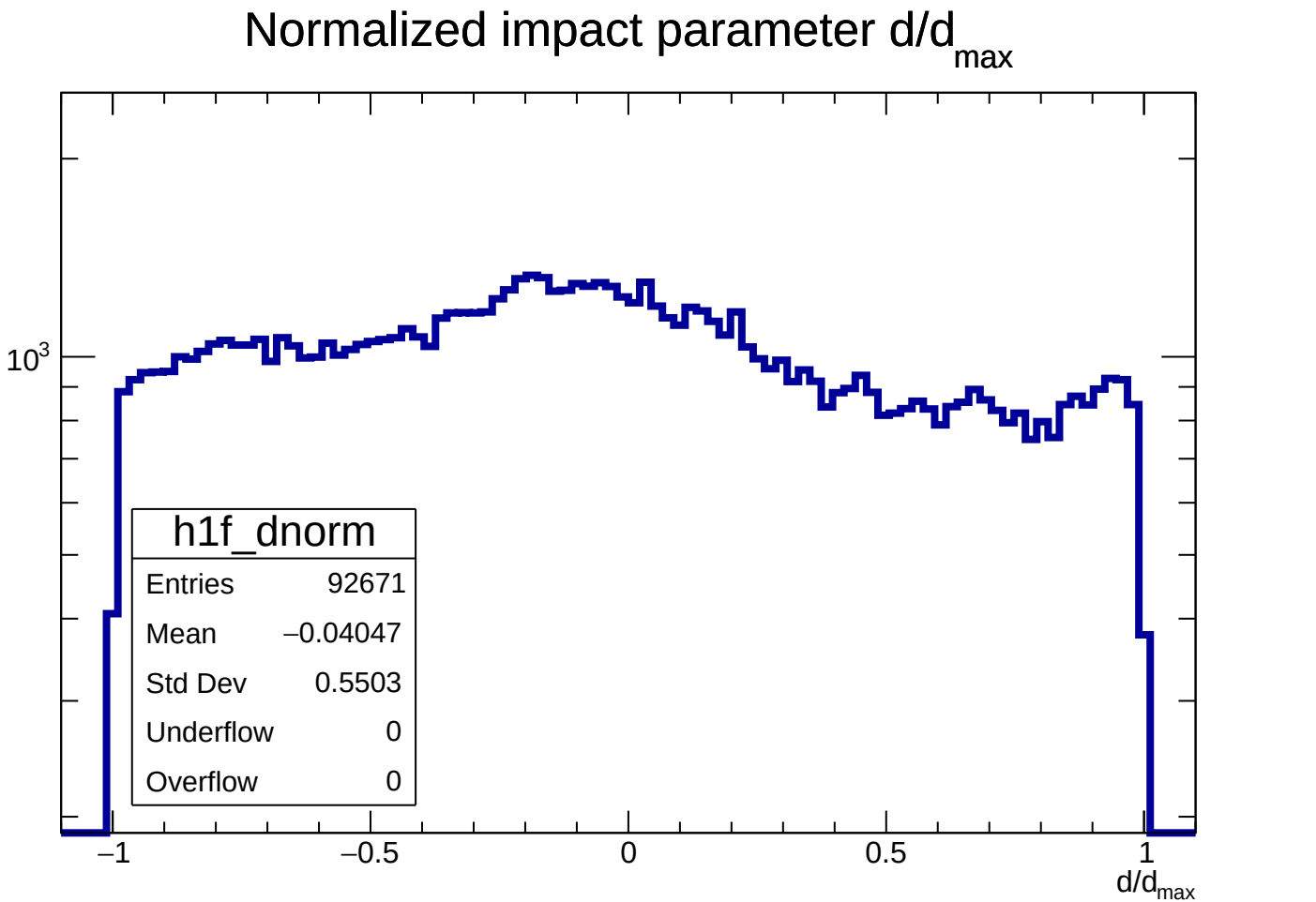

T_{max} of crossed pads
h1f_Tcross
Entries 92344
Mean 179.8
Std Dev 7.159
Underflow 0
Overflow 0
Count
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

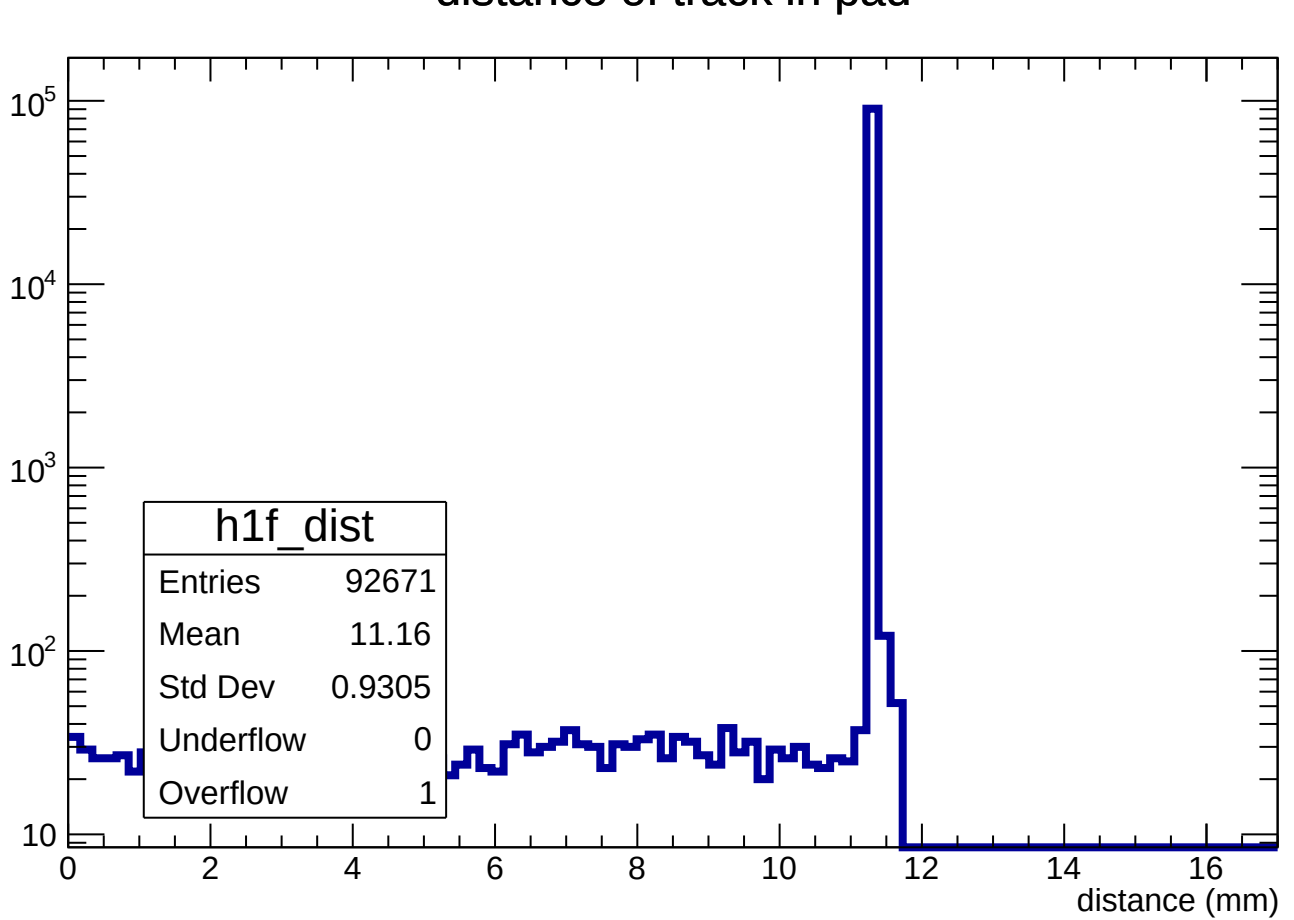

Number of crossed pads
h1f_Ncross
Entries 2703
Mean 34.16
Std Dev 0.7237
Underflow 0
Overflow 0
Count
# of crossed pads
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
15
20
25
30
35
40
45
50
55
60

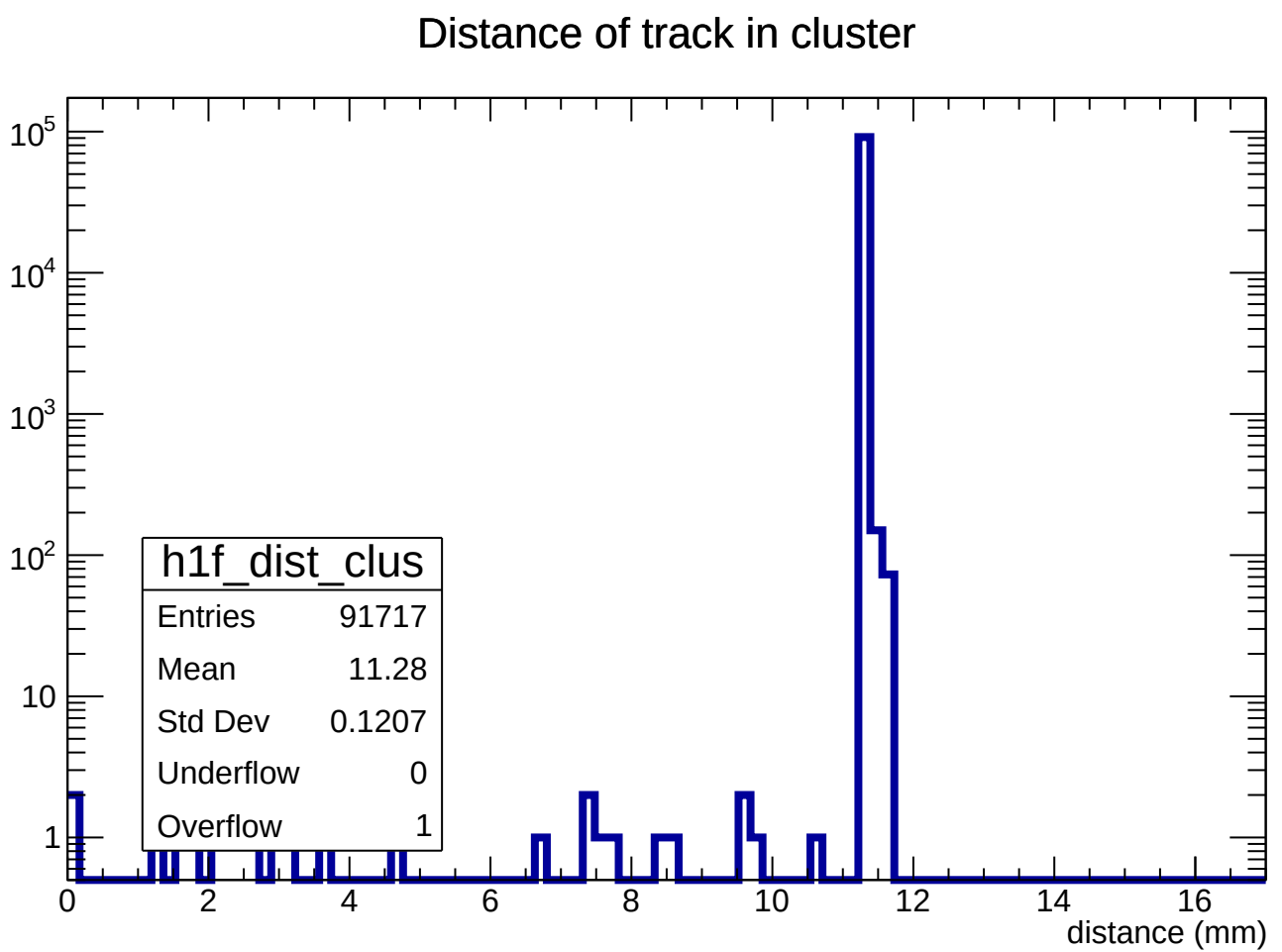

$z_{file = 415mm} - z_{computed}$
h1f_zdiff
Entries 92344
Mean 28.76
Std Dev 22.33
Underflow 1
Overflow 0
Count
8000
7000
6000
5000
4000
3000
2000
1000
0
–150
–100
–50
0
50
100
150
difference (mm)

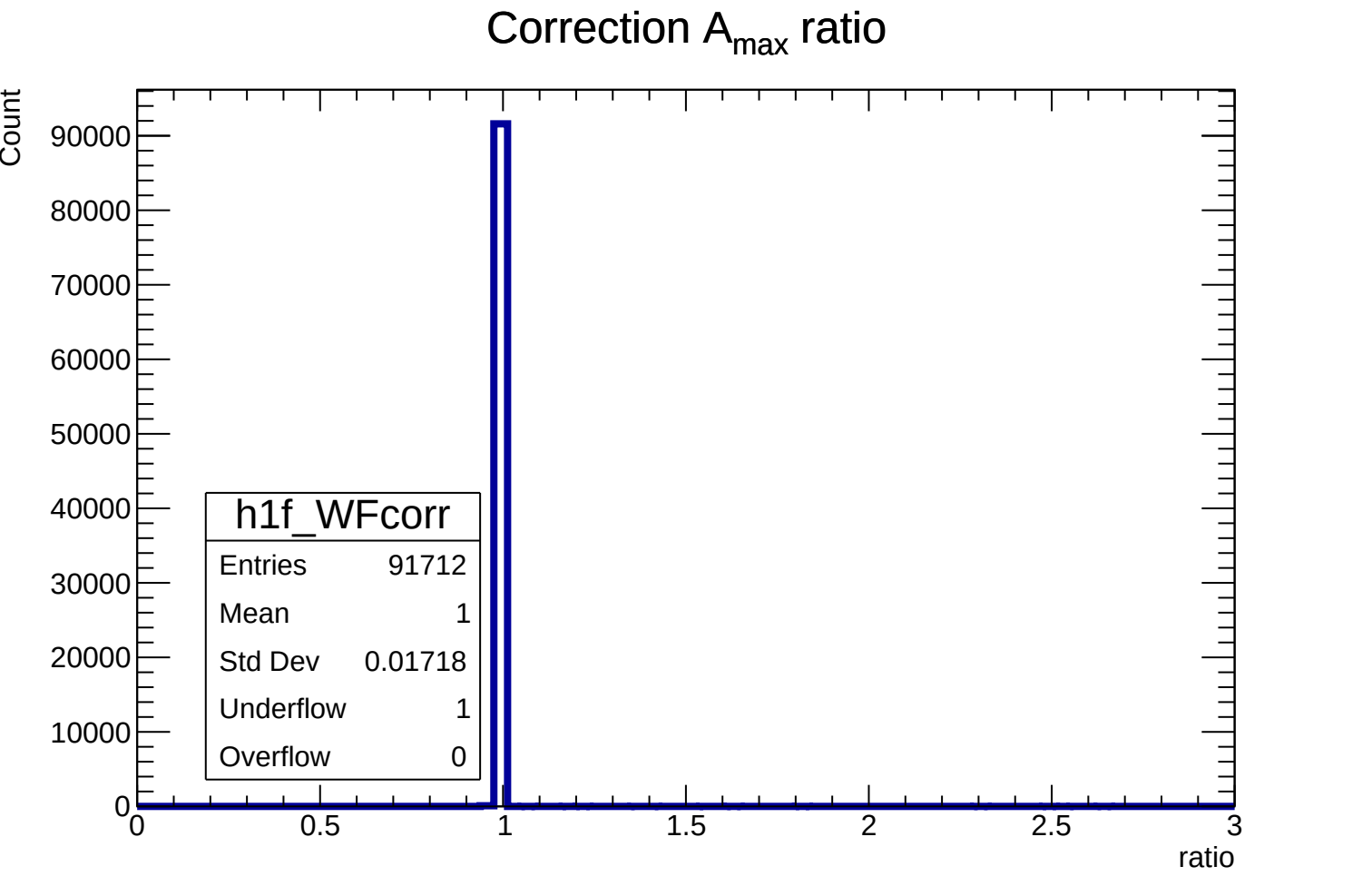

Angle φ in each pad
Count
60000
50000
40000
30000
20000
10000
0
–50
–40
–30
–20
–10
0
10
φ (°)
h1f_angle
Entries 92344
Mean –0.4594
Std Dev 0.8105
Underflow 0
Overflow 101

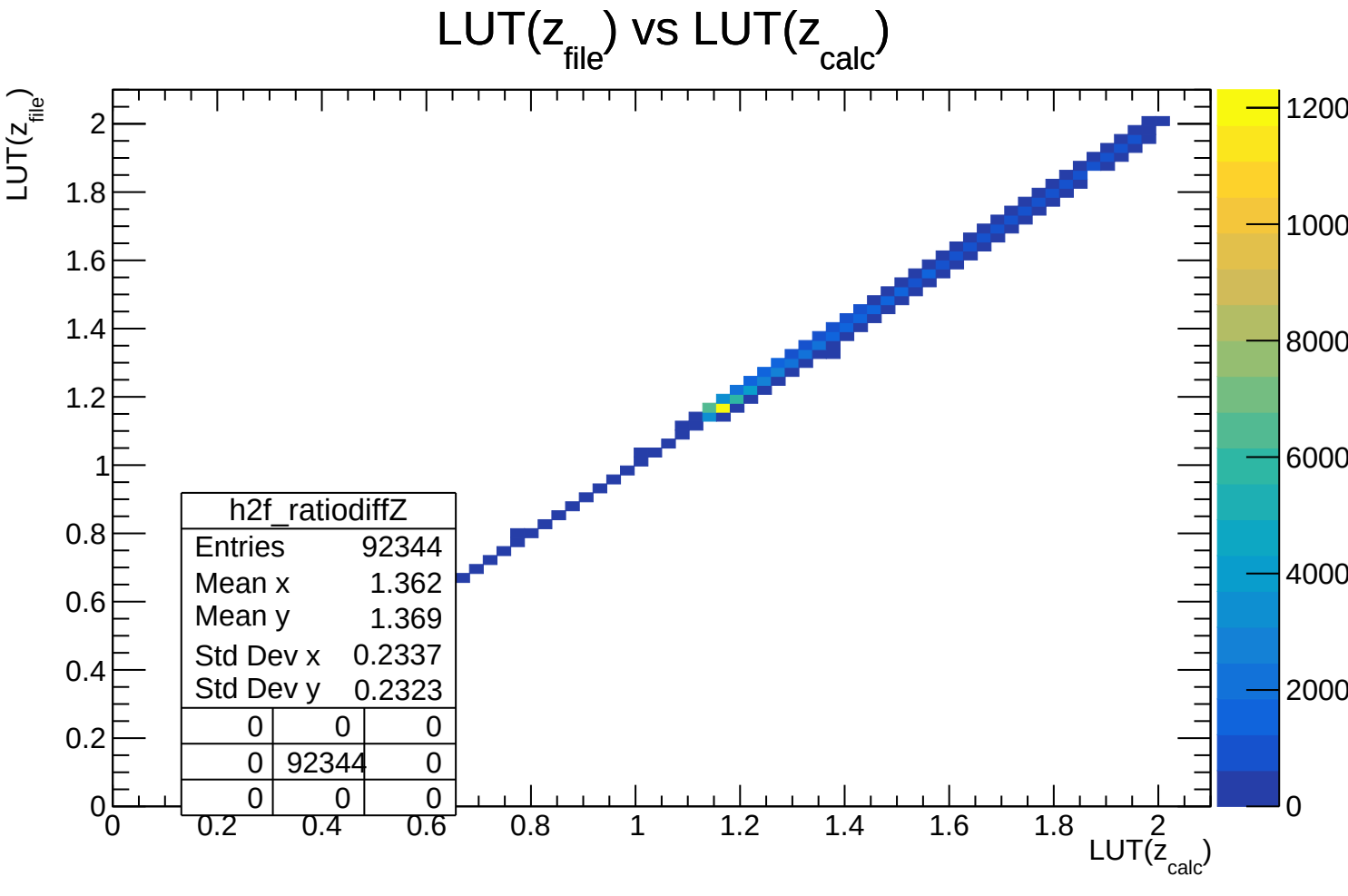

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 92671
Mean 0.9896
Std Dev 0.08253
Underflow 0
Overflow 1
Count
10^5
10^4
10^3
10^2
0
0.2
0.4
0.6
0.8
1
1.2
$L_{\cap}/L_{\varphi}$

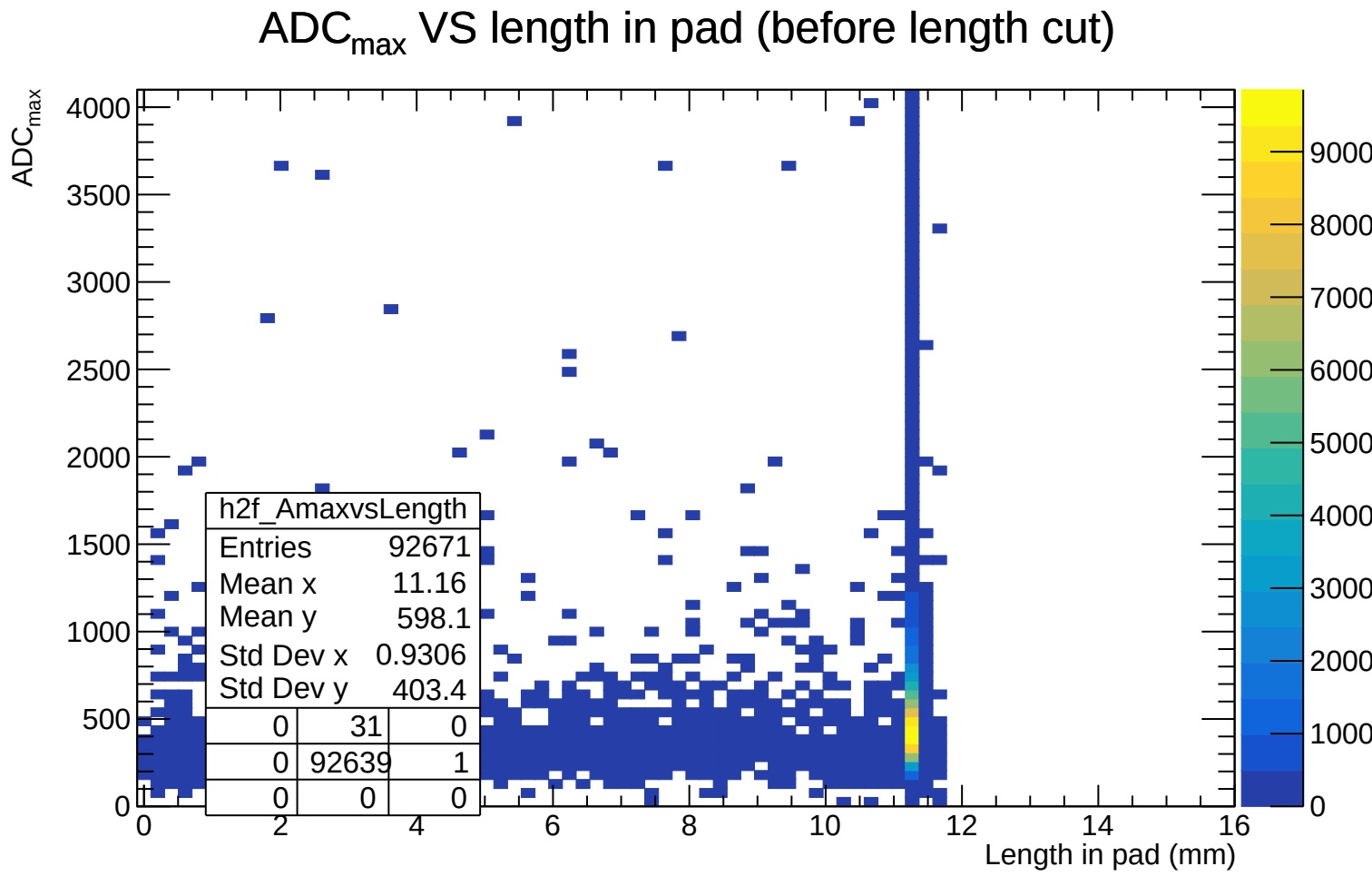

Normalized impact parameter d/d max
10 3
h1f_dnorm
Entries 92671
Mean −0.04047
Std Dev 0.5503
Underflow 0
Overflow 0
−1
−0.5
0
0.5
1
d/d max

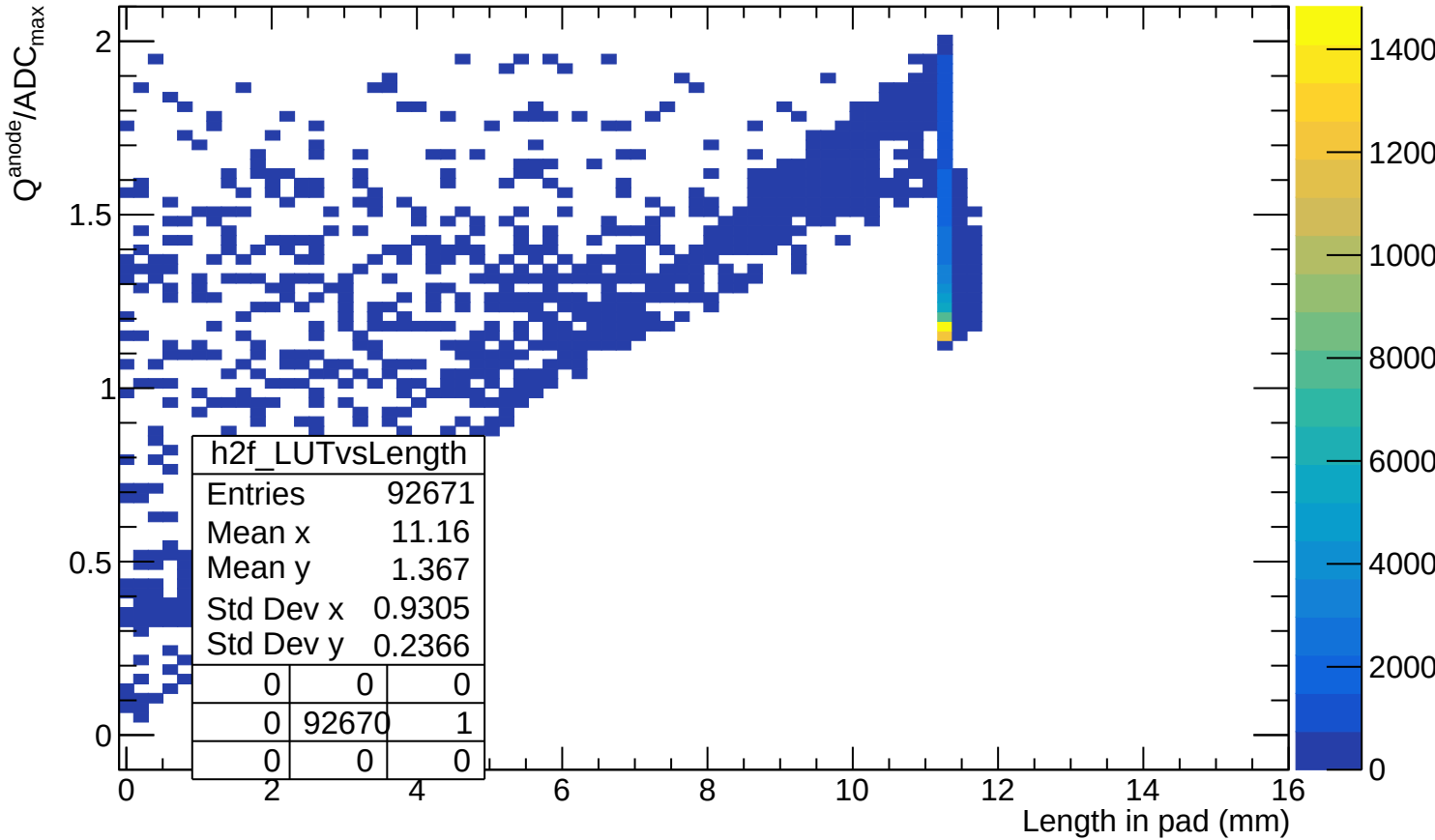

distance of track in pad
h1f_dist
Entries 92671
Mean 11.16
Std Dev 0.9305
Underflow 0
Overflow 1
distance (mm)

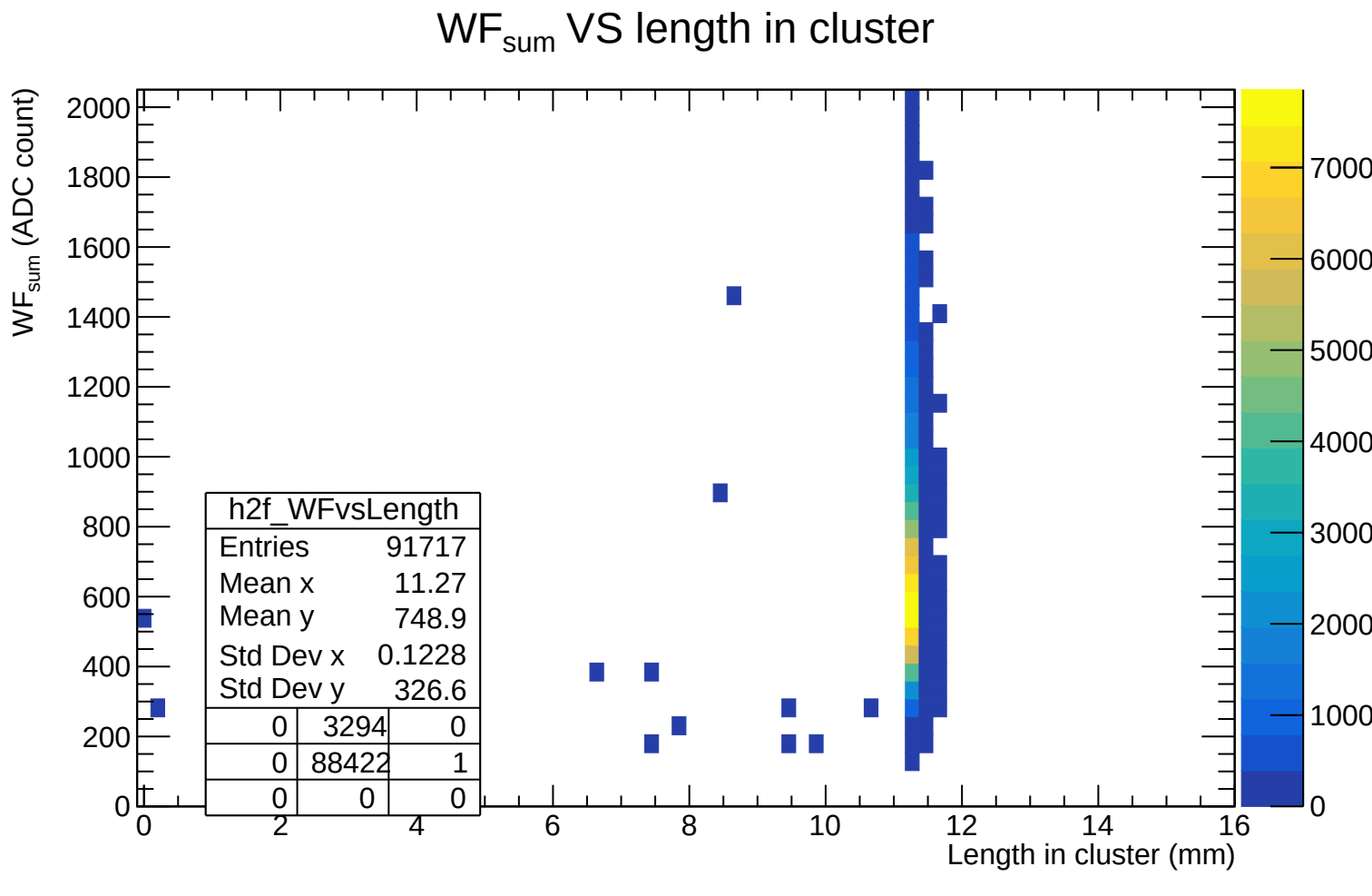

Distance of track in cluster
h1f_dist_clus
Entries 91717
Mean 11.28
Std Dev 0.1207
Underflow 0
Overflow 1
distance (mm)

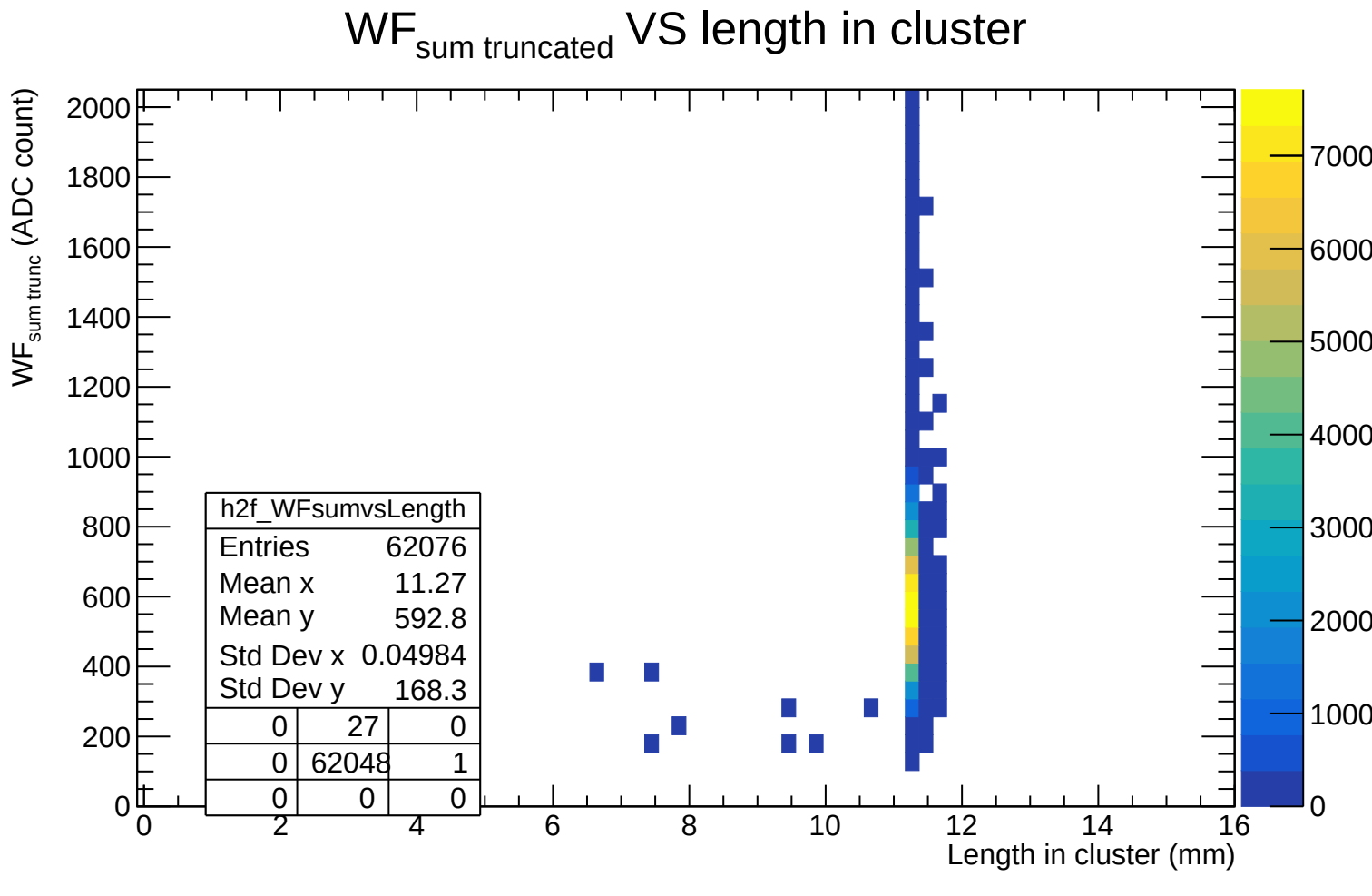

Correction A_{max} ratio
Count
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
0.5
1
1.5
2
2.5
3
ratio
h1f_WFcorr
Entries 91712
Mean 1
Std Dev 0.01718
Underflow 1
Overflow 0

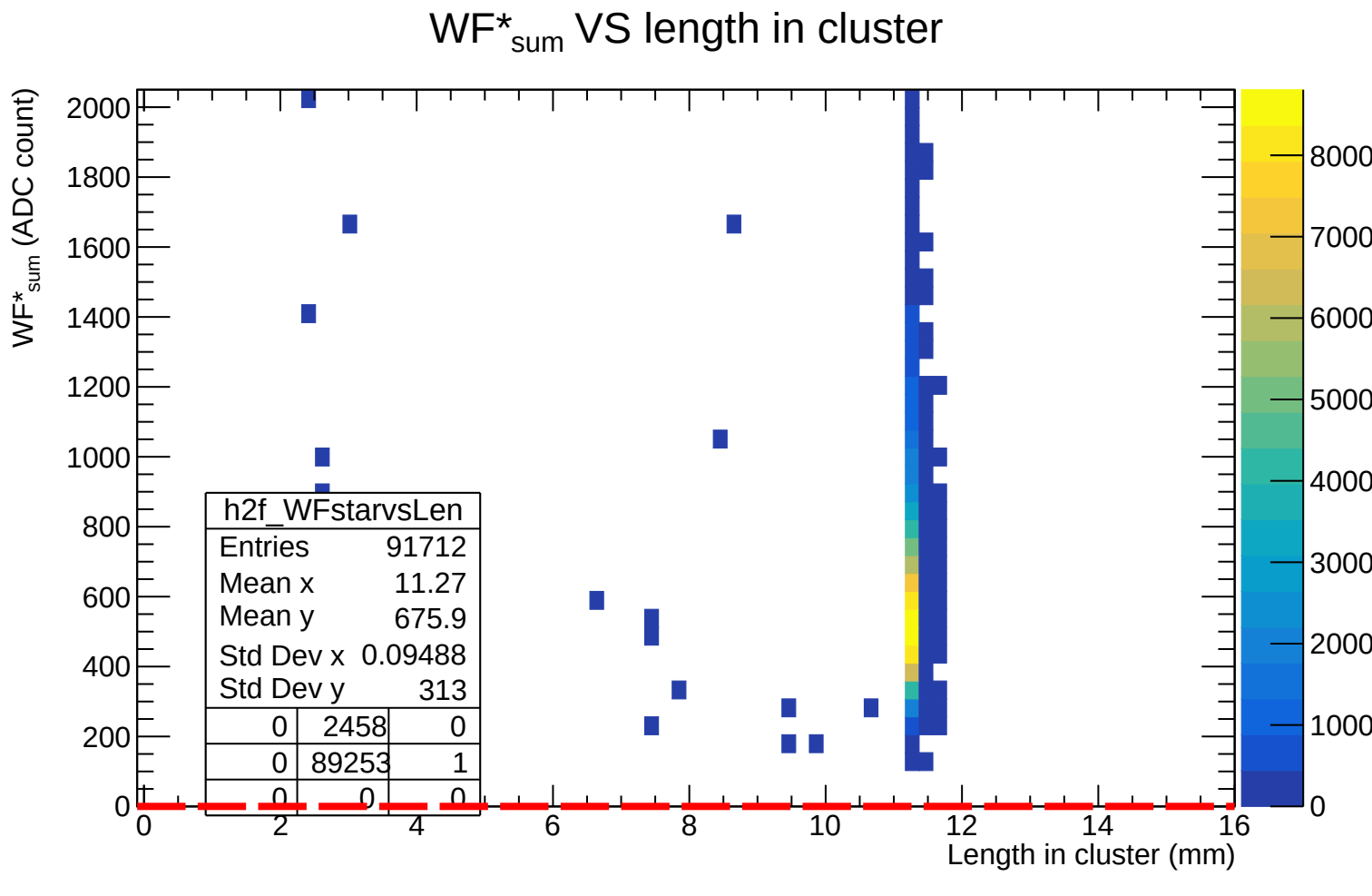

LUT(z_file) vs LUT(z_calc)
LUT(z_file)
LUT(z_calc)
h2f_ratiodiffZ
Entries 92344
Mean x 1.362
Mean y 1.369
Std Dev x 0.2337
Std Dev y 0.2323
0 0 0
0 92344 0
0 0 0

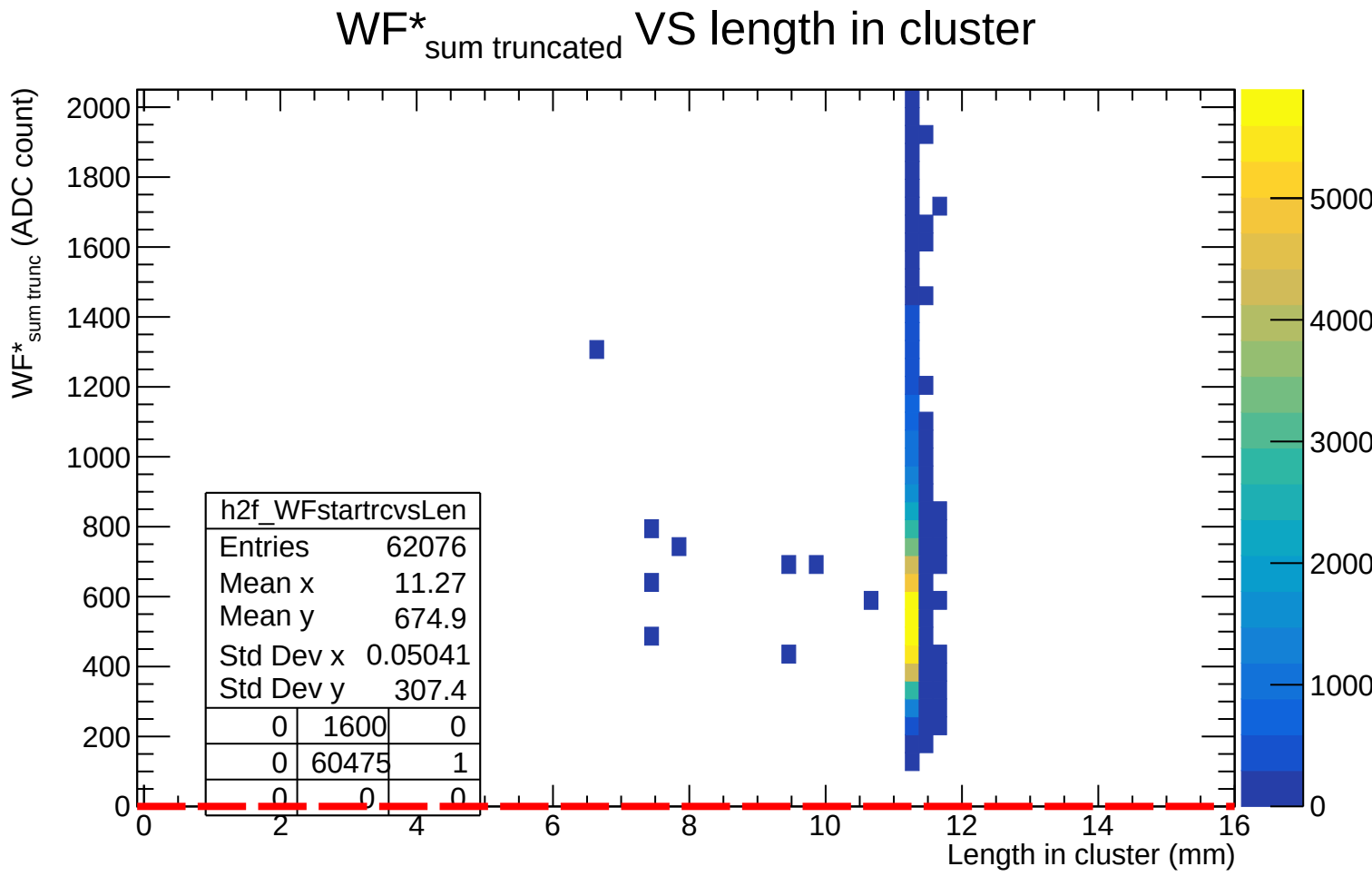

ADC$_{max}$ VS length in pad (before length cut)
ADC$_{max}$
Length in pad (mm)
h2f_AmaxvsLength
Entries 92671
Mean x 11.16
Mean y 598.1
Std Dev x 0.9306
Std Dev y 403.4
0 31 0
0 92639 1
0 0 0

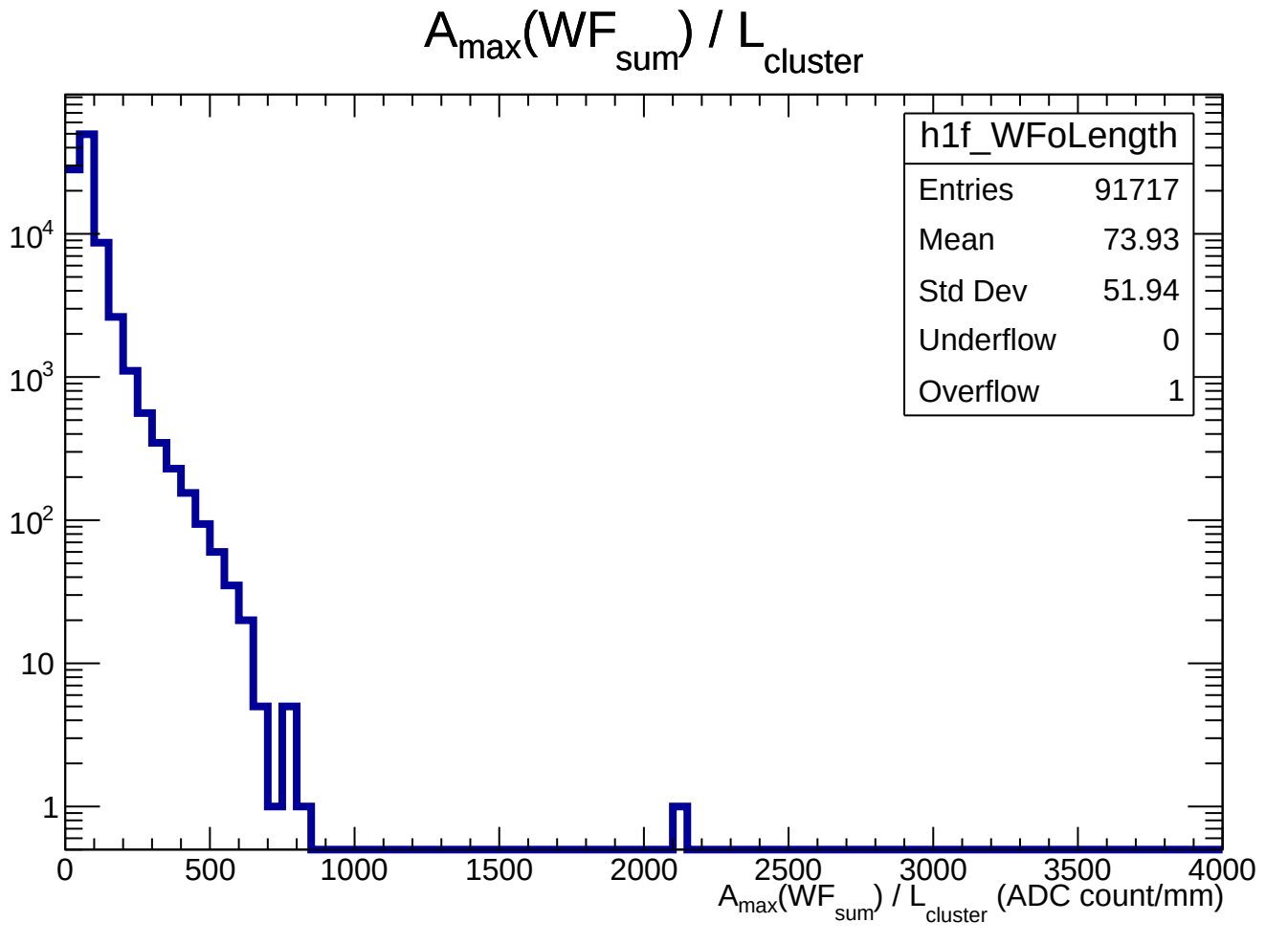

Q^{anode}/ADC_{max} VS length in pad (before length cut)
Q^{anode}/ADC_{max}
Length in pad (mm)
h2f_LUTvsLength
Entries 92671
Mean x 11.16
Mean y 1.367
Std Dev x 0.9305
Std Dev y 0.2366
0 0 0
0 92670 1
0 0 0

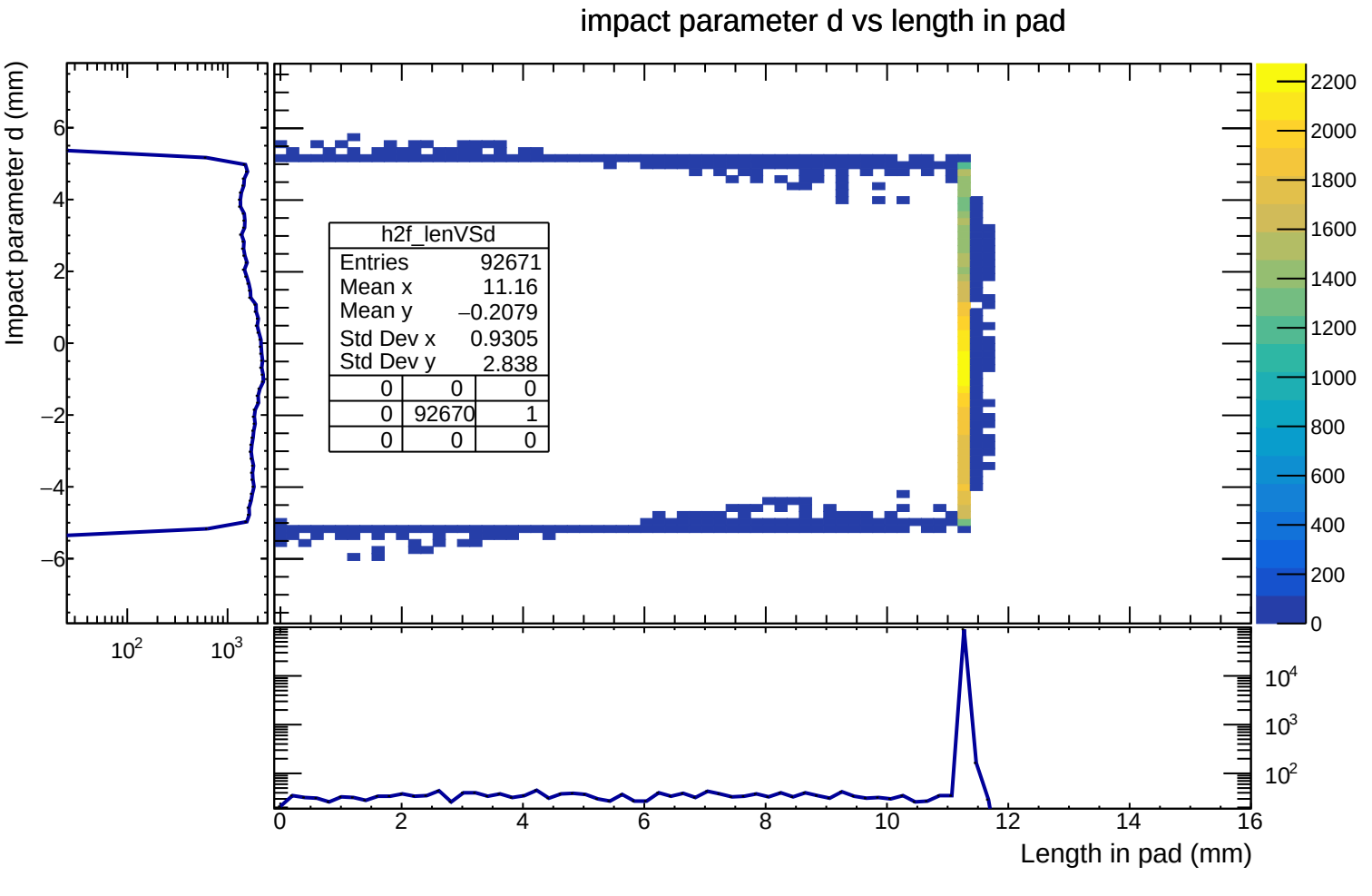

WF$_{sum}$ VS length in cluster
WF$_{sum}$ (ADC count)
Length in cluster (mm)
h2f_WFvsLength
Entries 91717
Mean x 11.27
Mean y 748.9
Std Dev x 0.1228
Std Dev y 326.6
0 3294 0
0 88422 1
0 0 0


WF sum truncated VS length in cluster
WF sum trunc (ADC count)
Length in cluster (mm)
h2f_WFsumvsLength
Entries 62076
Mean x 11.27
Mean y 592.8
Std Dev x 0.04984
Std Dev y 168.3
0 27 0
0 62048 1
0 0 0


WF*sum VS length in cluster
WF*sum (ADC count)
Length in cluster (mm)
h2f_WFstarvsLen
Entries 91712
Mean x 11.27
Mean y 675.9
Std Dev x 0.09488
Std Dev y 313
0 2458 0
0 89253 1
0 0 0


WF*sum truncated VS length in cluster
WF*sum trunc (ADC count)
Length in cluster (mm)
h2f_WFstartrcvsLen
Entries 62076
Mean x 11.27
Mean y 674.9
Std Dev x 0.05041
Std Dev y 307.4
0 1600 0
0 60475 1
0 0 0


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 91717
Mean 73.93
Std Dev 51.94
Underflow 0
Overflow 1
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)
6
4
2
0
−2
−4
−6
10^2
10^3
h2f_lenVSd
Entries 92671
Mean x 11.16
Mean y −0.2079
Std Dev x 0.9305
Std Dev y 2.838
0 0 0
0 92670 1
0 0 0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
10^4
10^3
10^2
0
2
4
6
8
10
12
14
16
Length in pad (mm)