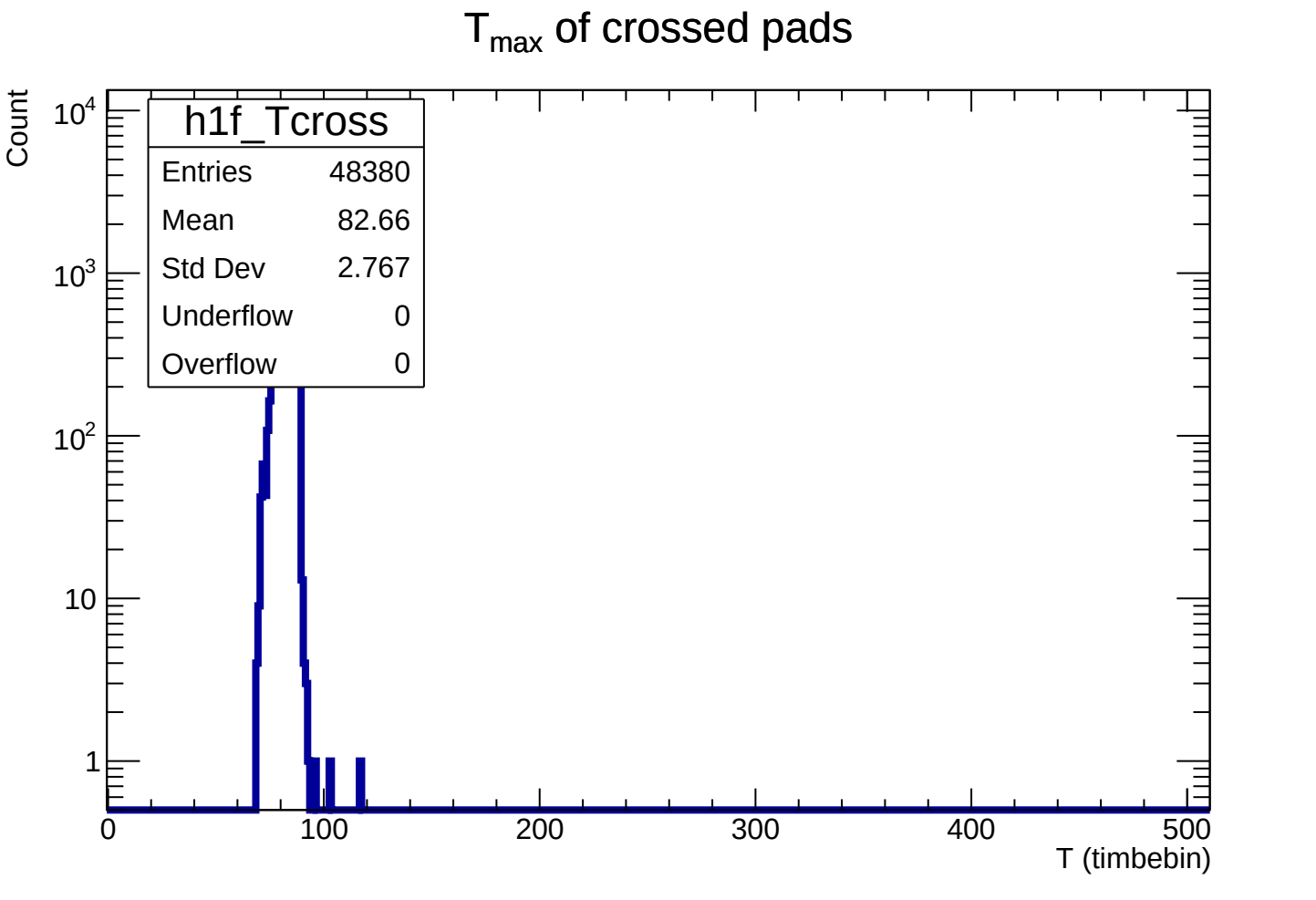
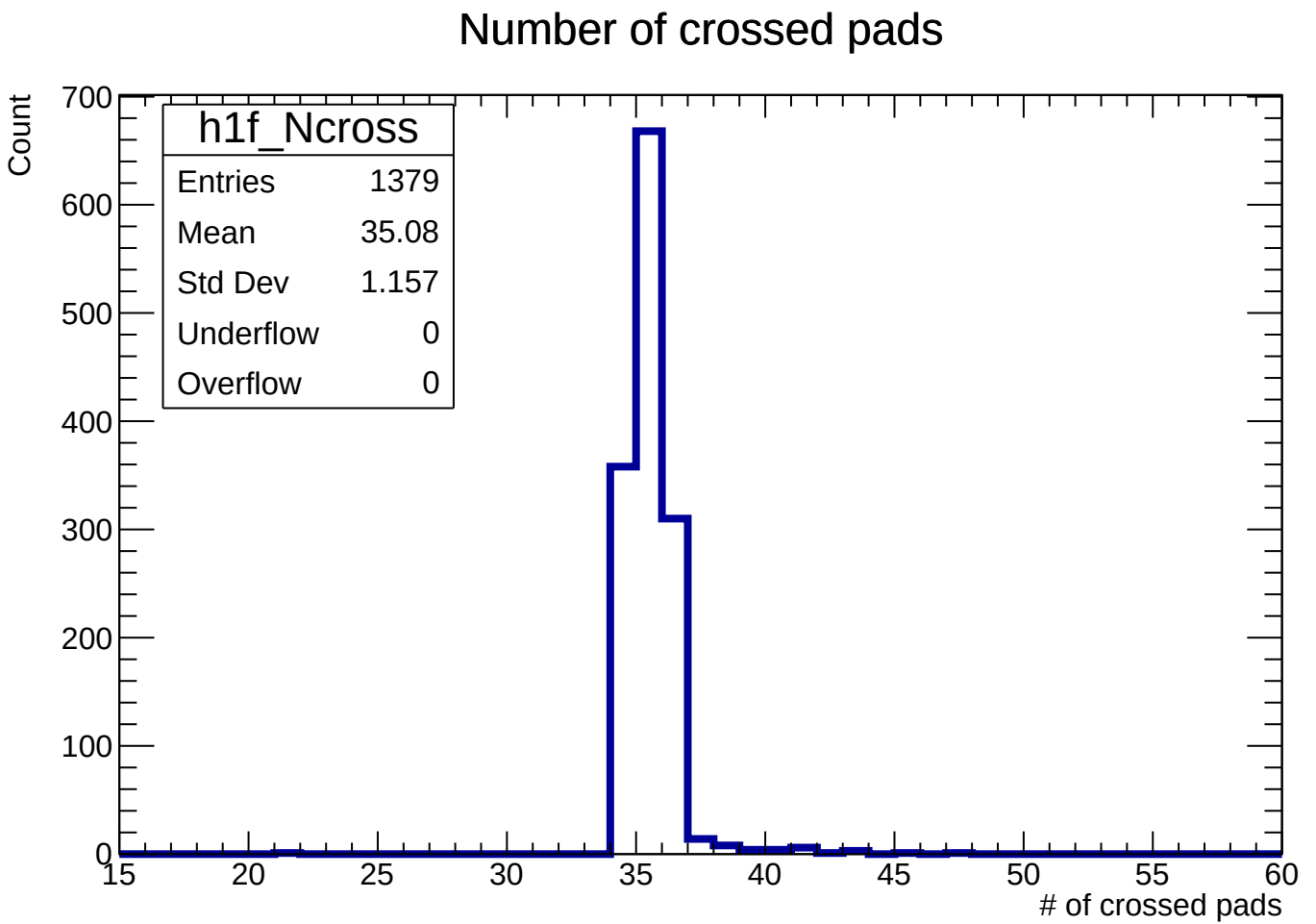
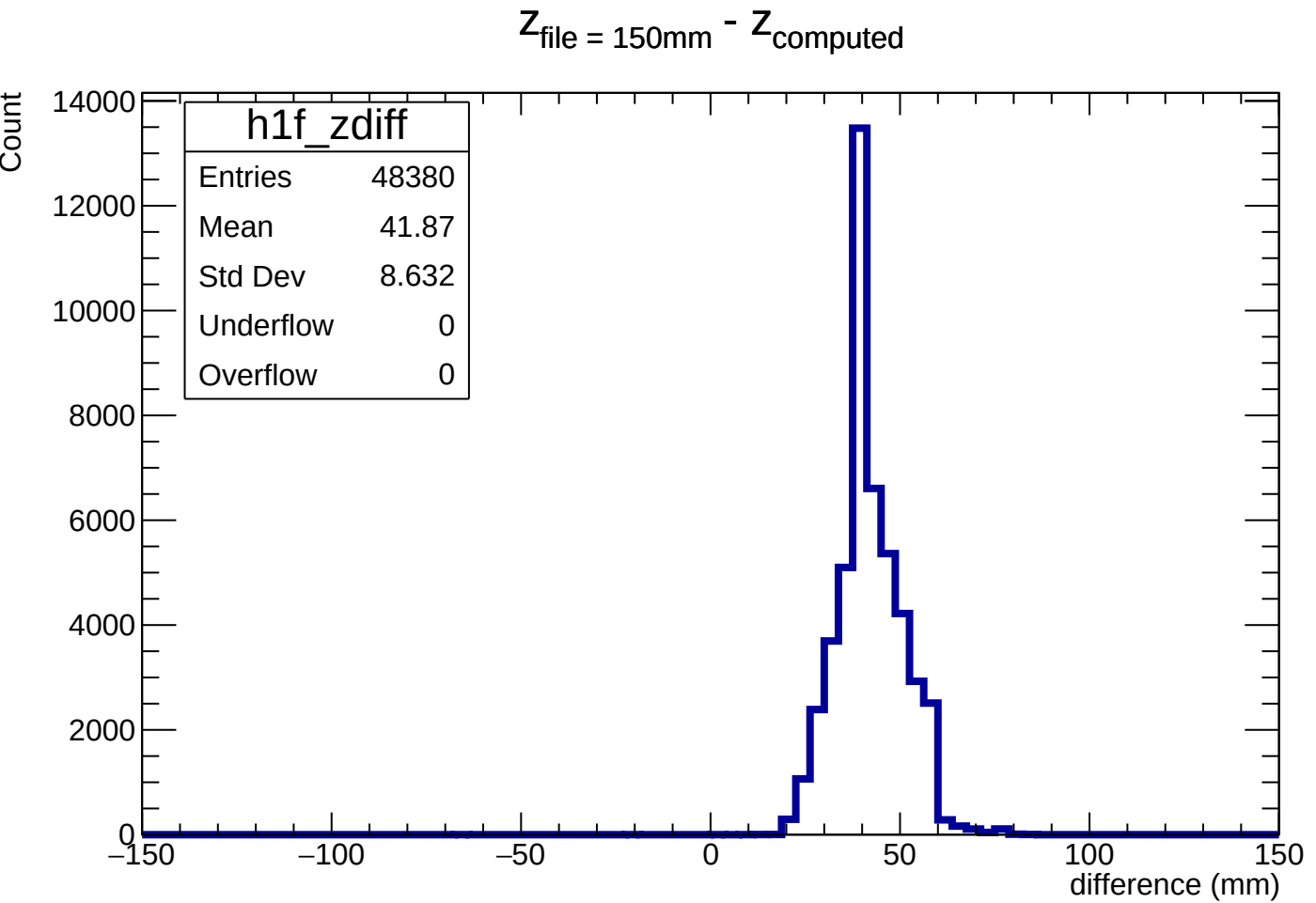
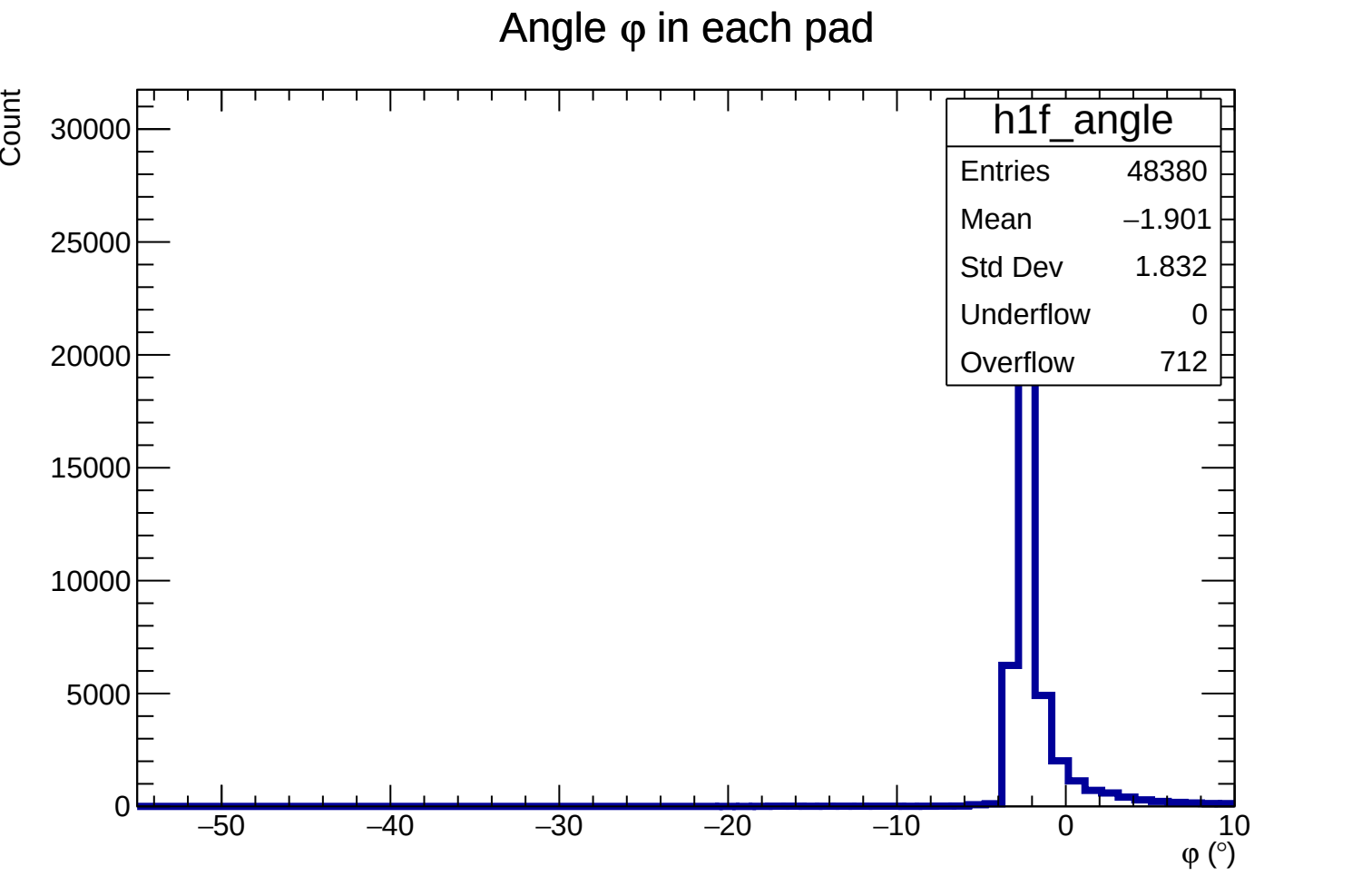
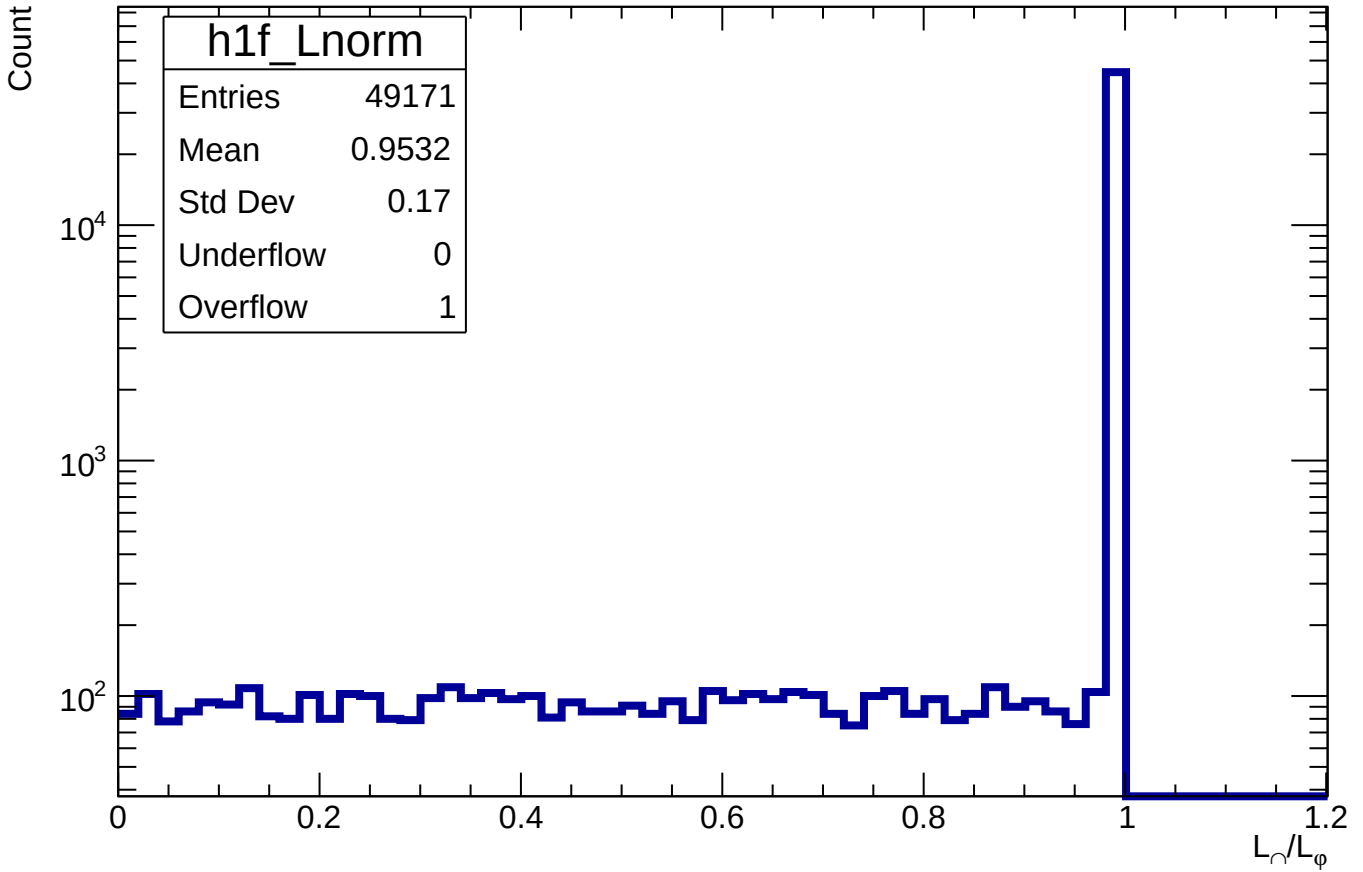
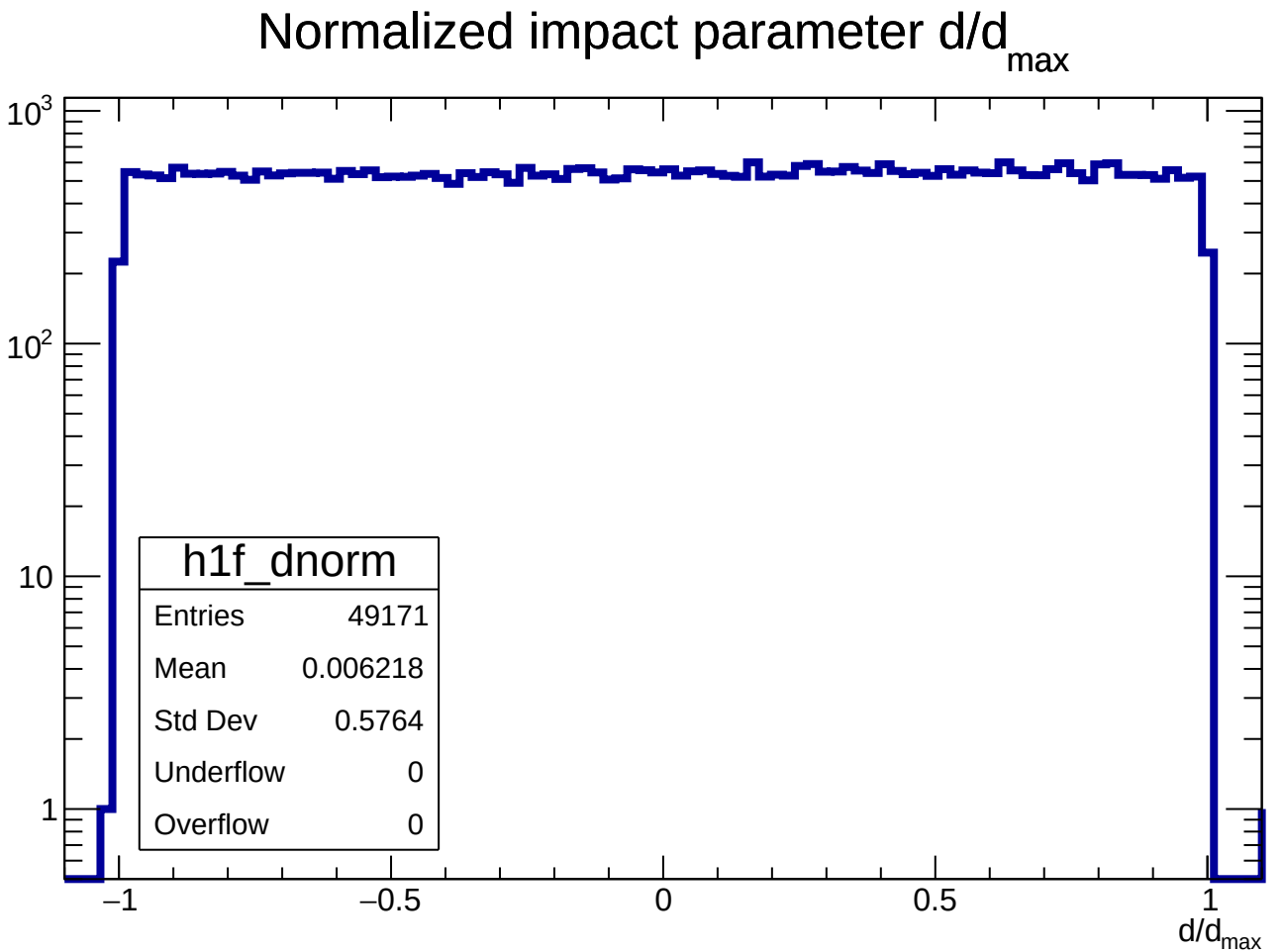

T_{max} of crossed pads
h1f_Tcross
Entries 48380
Mean 82.66
Std Dev 2.767
Underflow 0
Overflow 0
Count
10^4
10^3
10^2
10
1
0
100
200
300
400
500
T (timbebin)

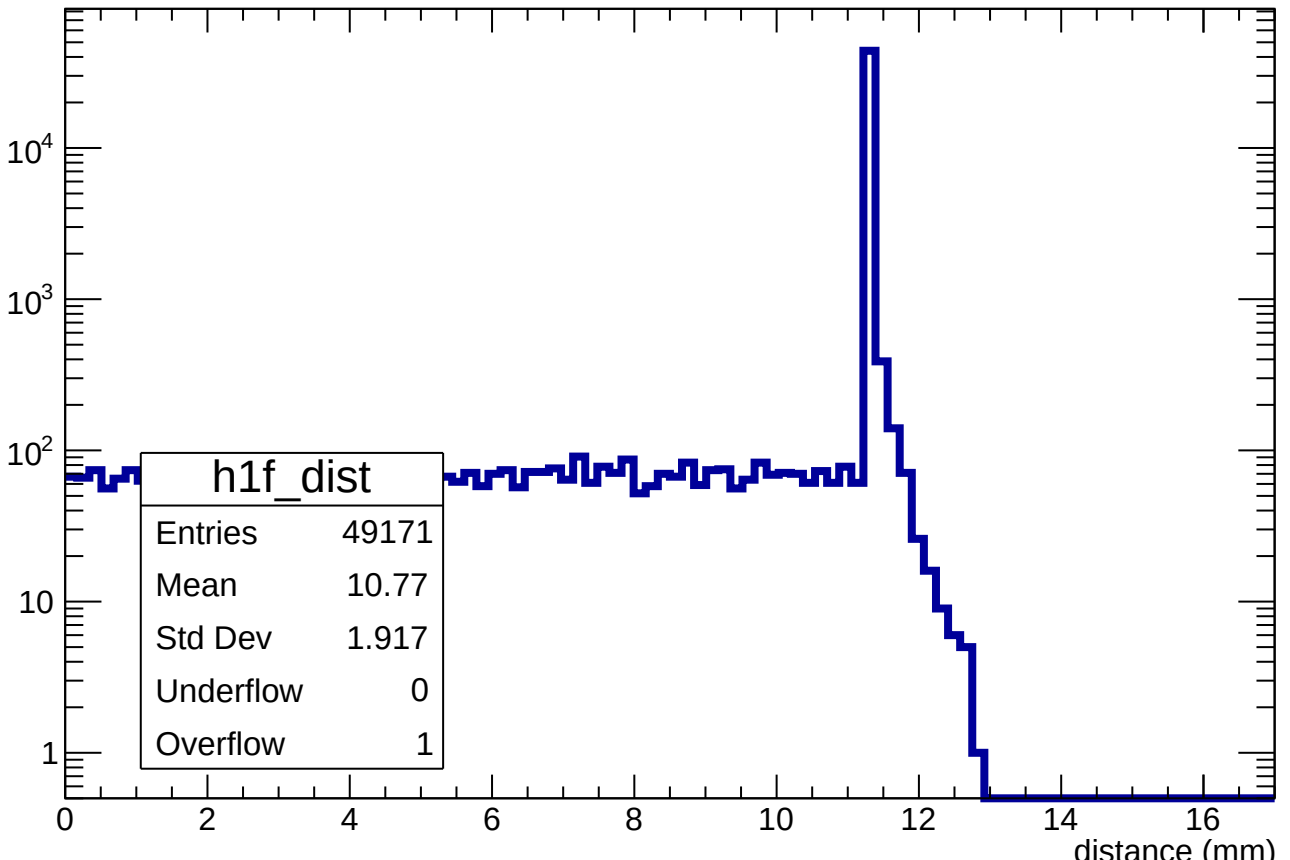

Number of crossed pads
h1f_Ncross
Entries 1379
Mean 35.08
Std Dev 1.157
Underflow 0
Overflow 0
Count
700
600
500
400
300
200
100
0
15
20
25
30
35
40
45
50
55
60
# of crossed pads

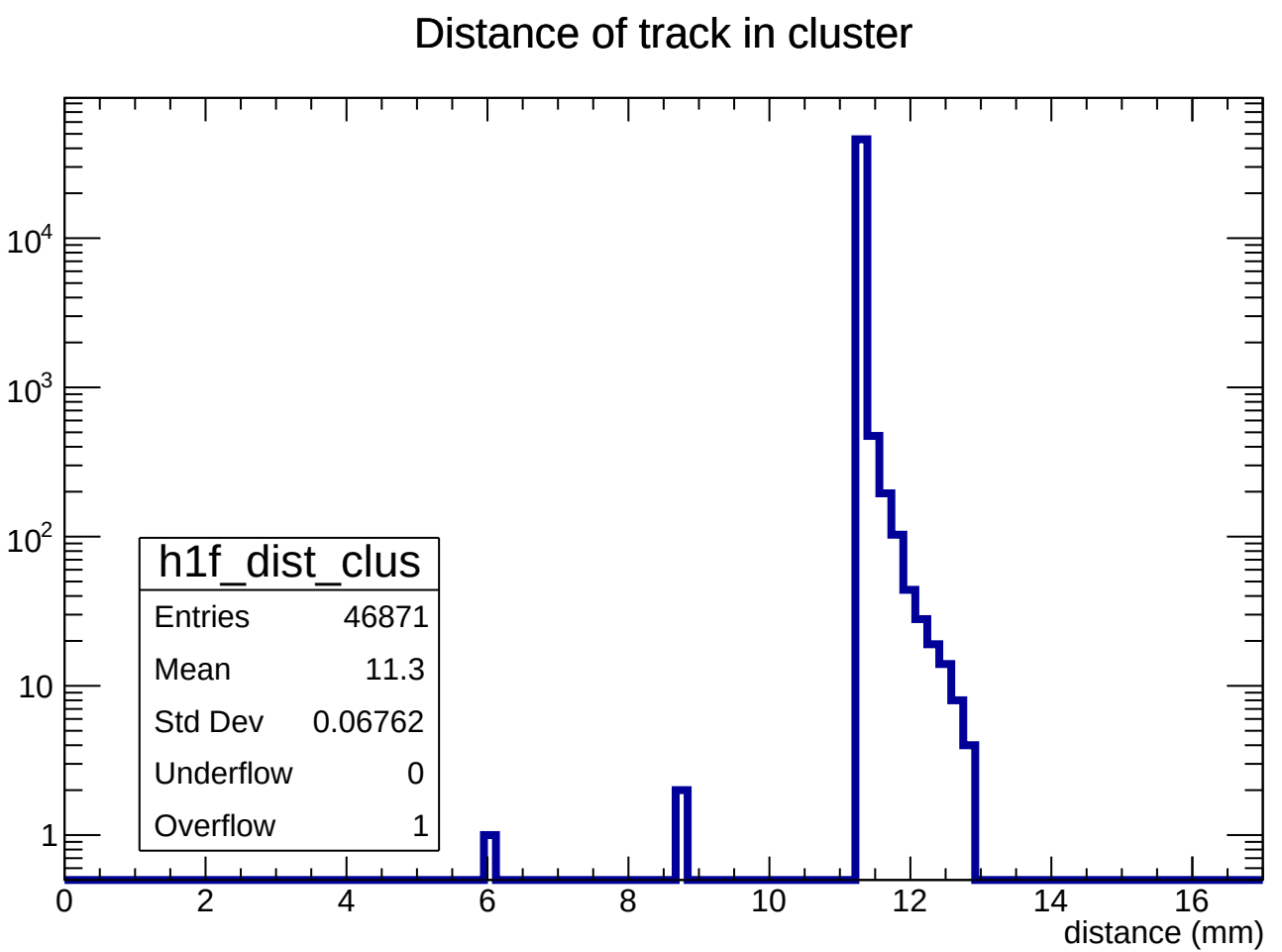

$z_{file = 150mm} - z_{computed}$
h1f_zdiff
Entries 48380
Mean 41.87
Std Dev 8.632
Underflow 0
Overflow 0
Count
14000
12000
10000
8000
6000
4000
2000
0
–150
–100
–50
0
50
100
150
difference (mm)

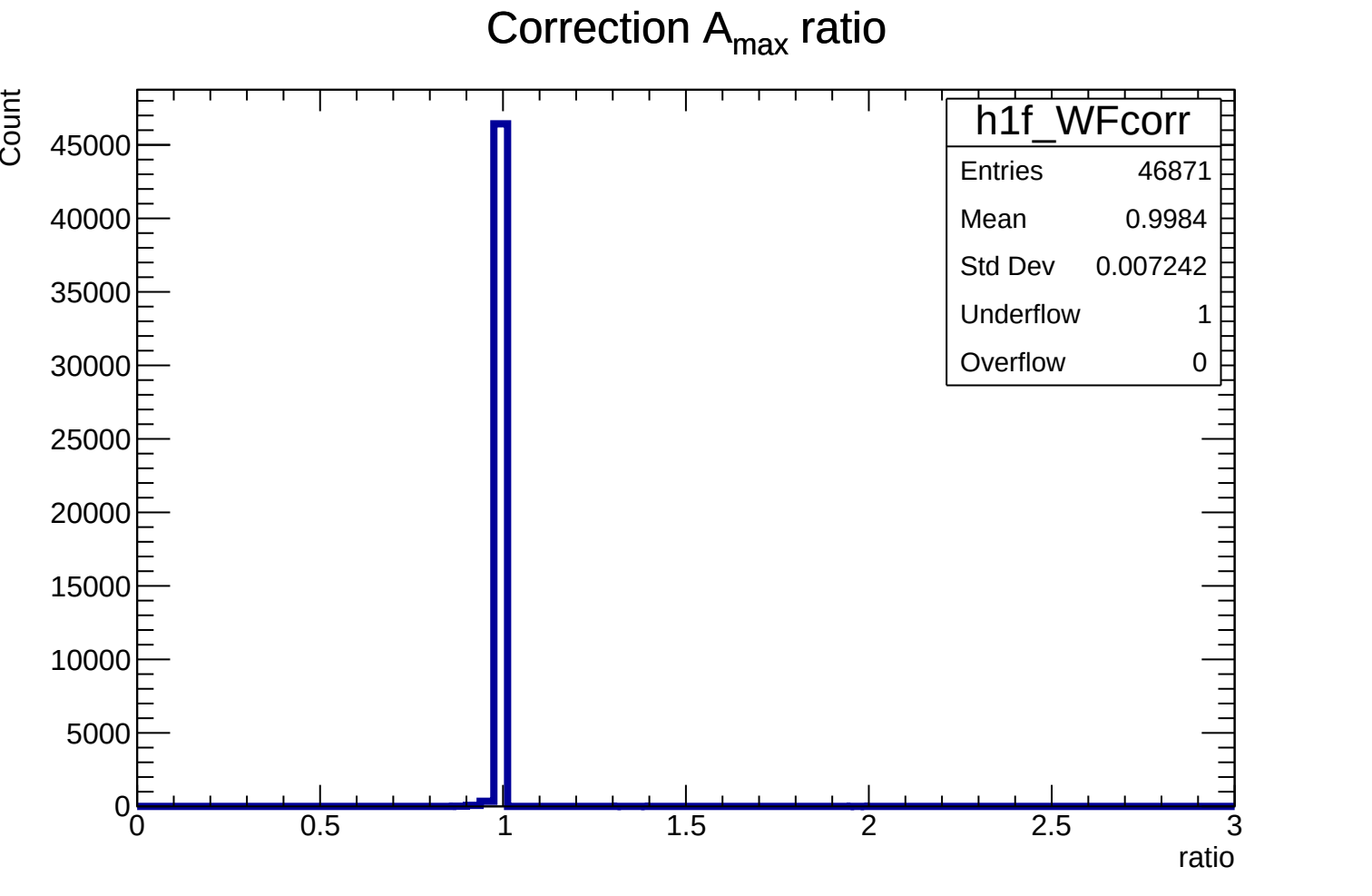

Angle φ in each pad
Count
30000
25000
20000
15000
10000
5000
0
–50
–40
–30
–20
–10
0
10
φ (°)
h1f_angle
Entries 48380
Mean –1.901
Std Dev 1.832
Underflow 0
Overflow 712

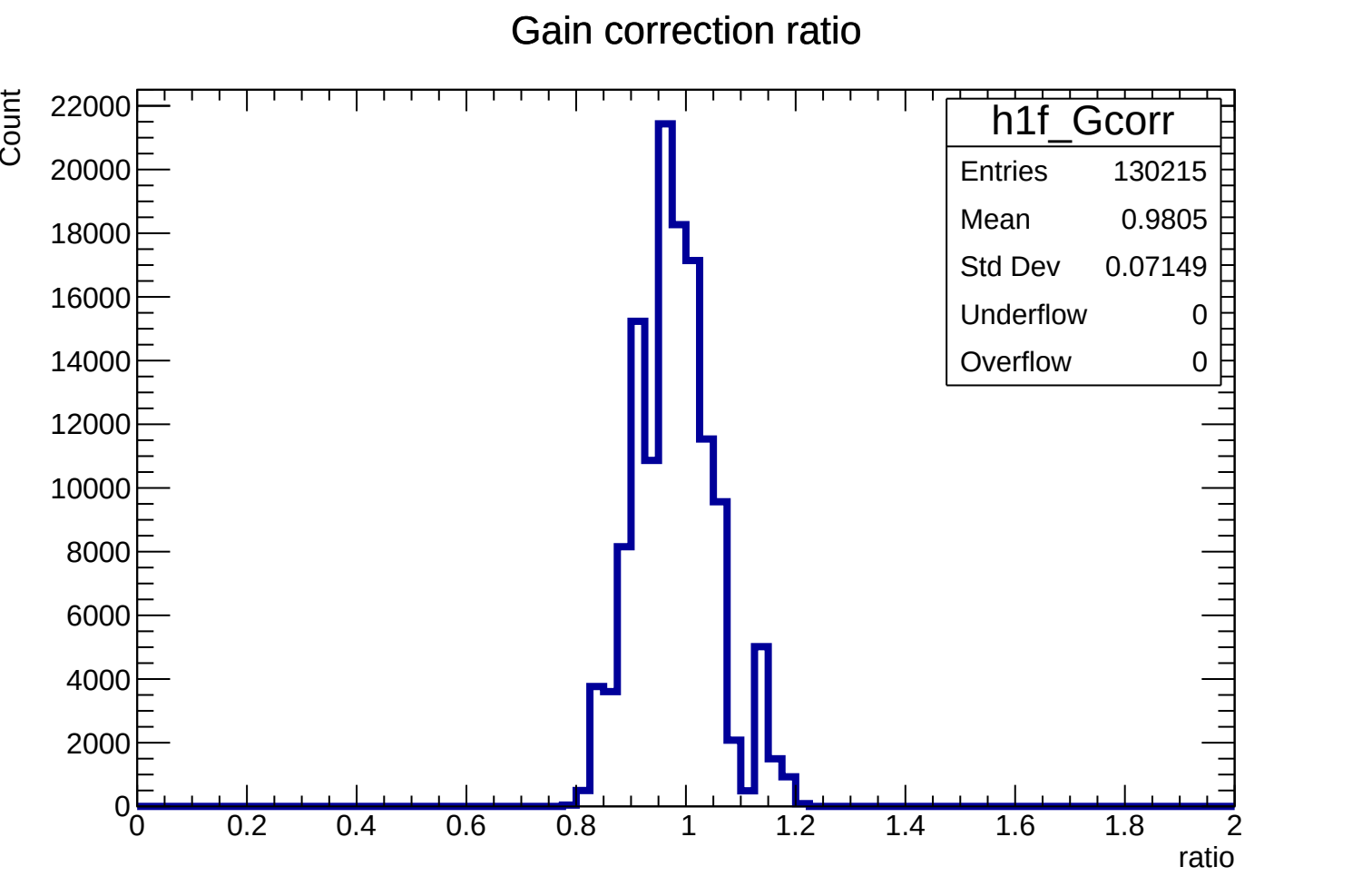

Length in pad normalized to maximum length in pad for a given φ
h1f_Lnorm
Entries 49171
Mean 0.9532
Std Dev 0.17
Underflow 0
Overflow 1
Count
10^4
10^3
10^2
0
0.2
0.4
0.6
0.8
1
1.2
L_⌒/L_φ

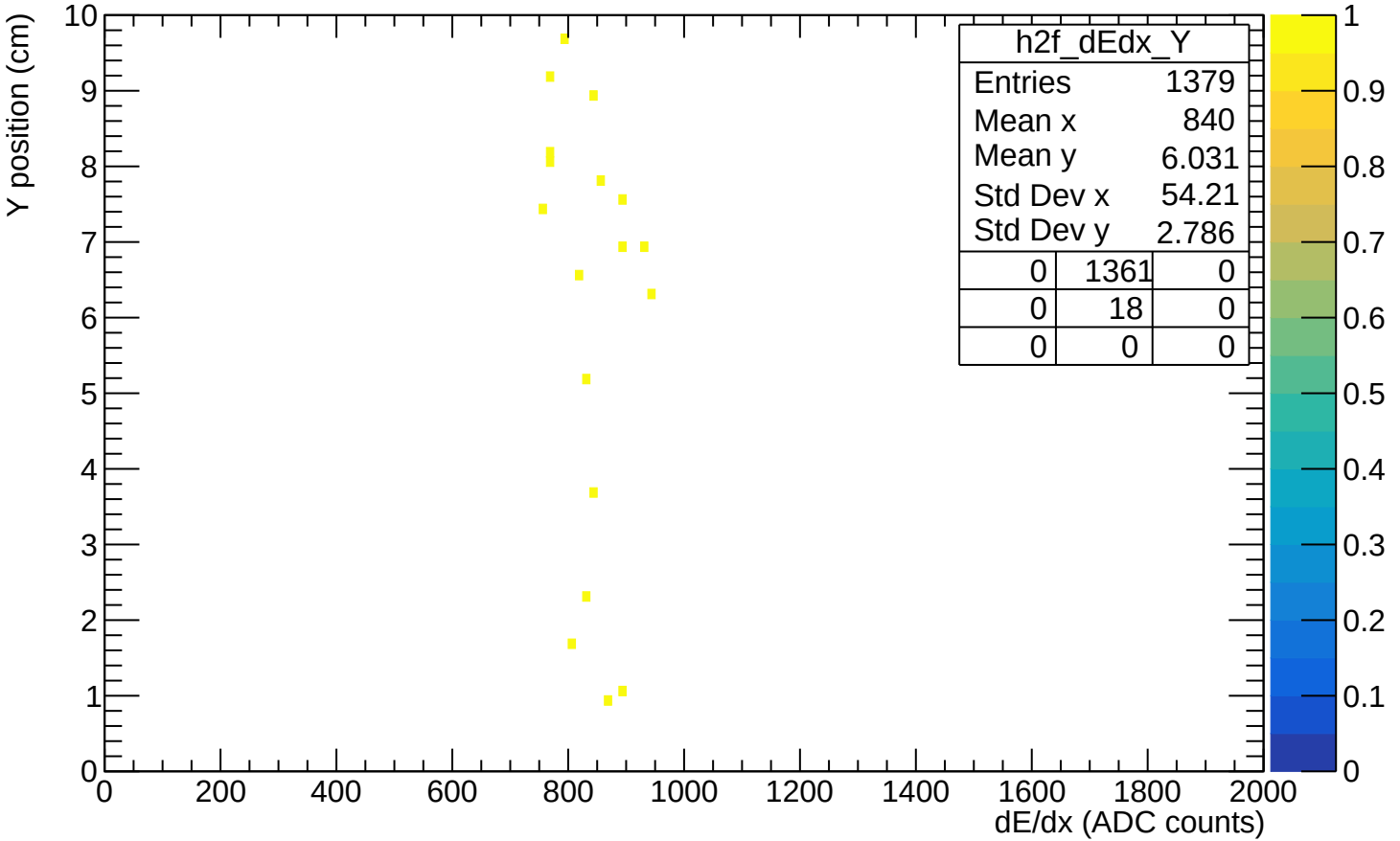

Normalized impact parameter d/d max
10 3
10 2
10
1
h1f_dnorm
Entries 49171
Mean 0.006218
Std Dev 0.5764
Underflow 0
Overflow 0
–1
–0.5
0
0.5
1
d/d max

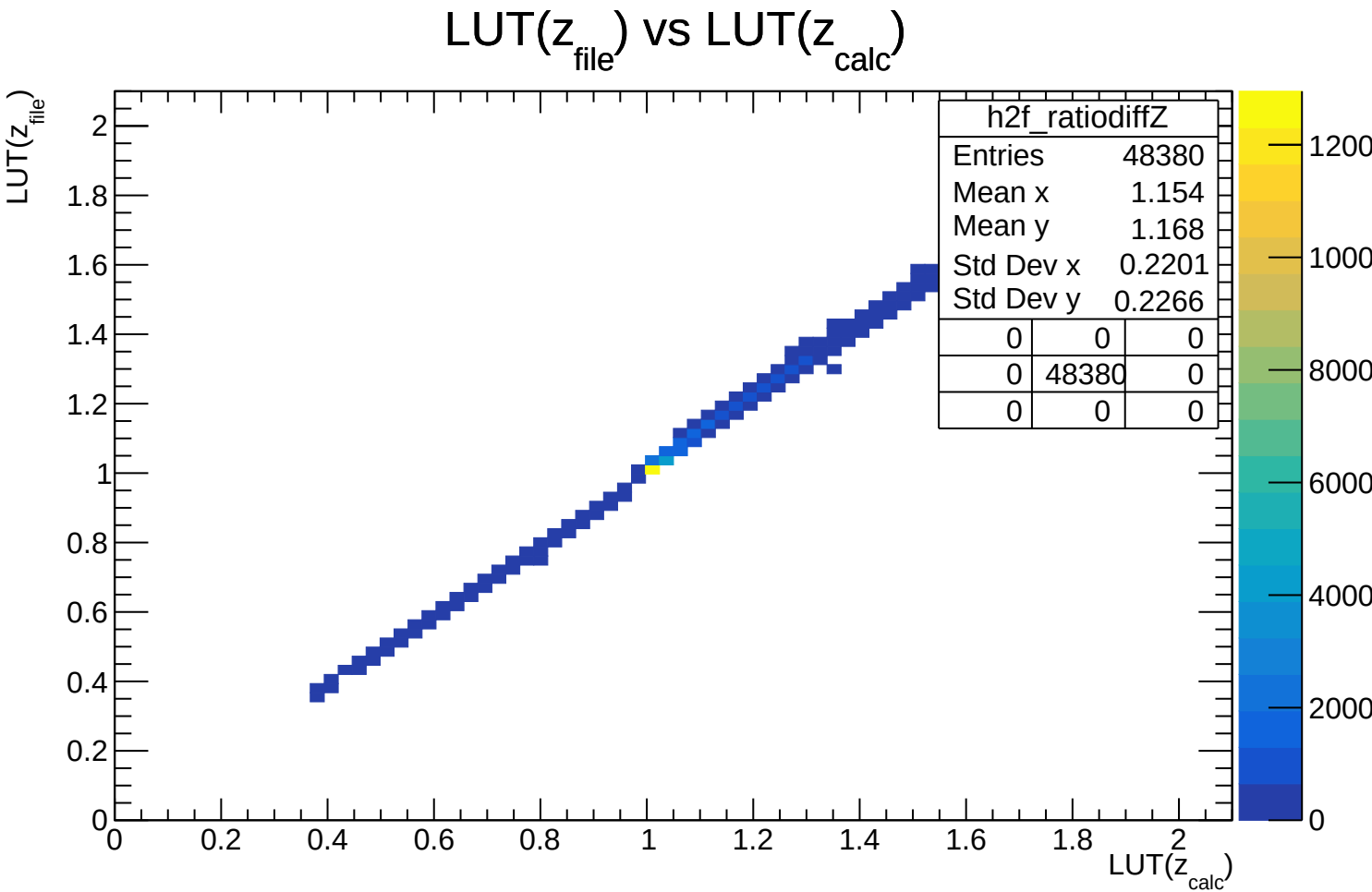

distance of track in pad
h1f_dist
Entries 49171
Mean 10.77
Std Dev 1.917
Underflow 0
Overflow 1
10^4
10^3
10^2
10
1
0
2
4
6
8
10
12
14
16
distance (mm)

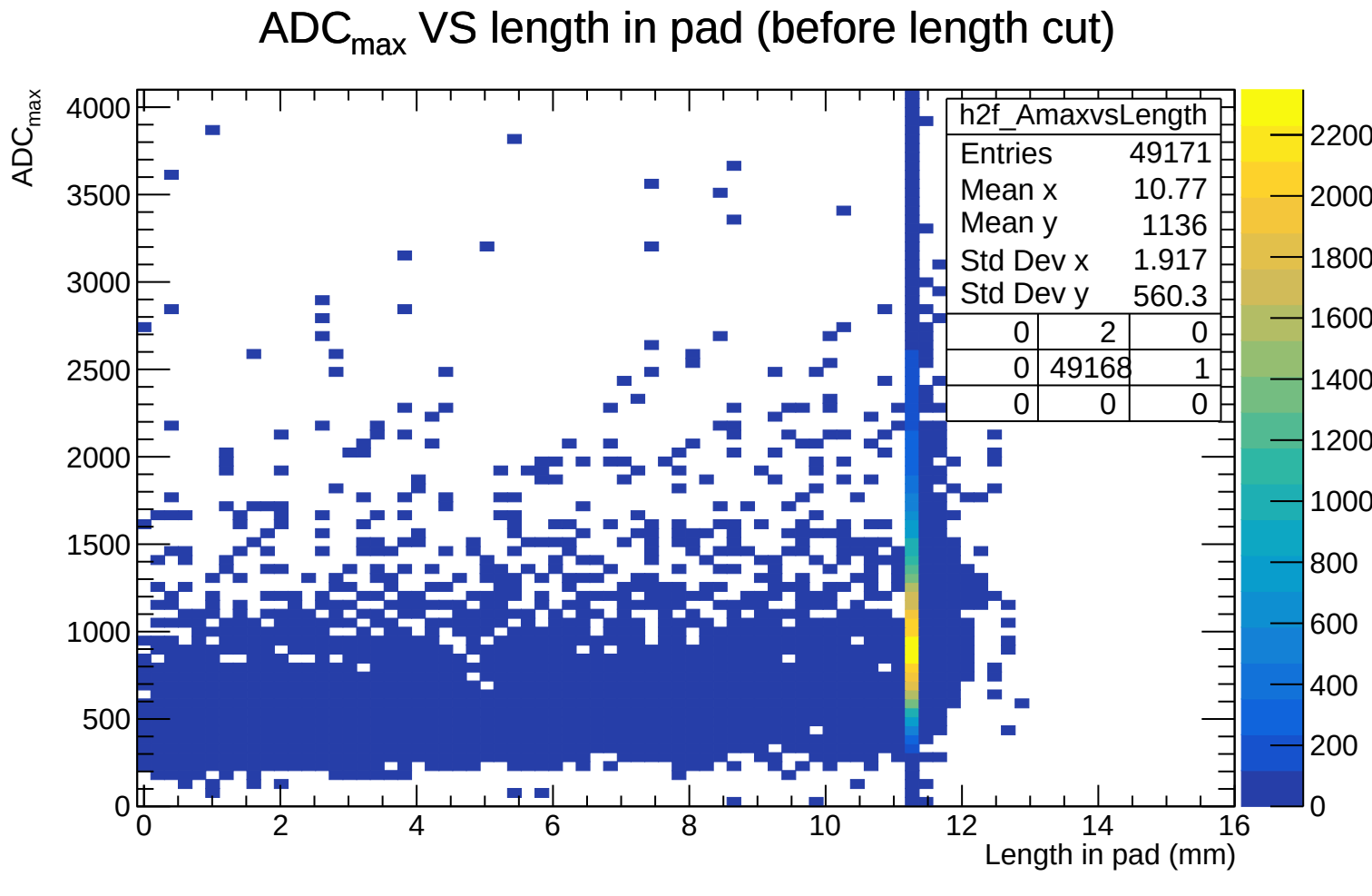

Distance of track in cluster
h1f_dist_clus
Entries 46871
Mean 11.3
Std Dev 0.06762
Underflow 0
Overflow 1
10^4
10^3
10^2
10
1
0
2
4
6
8
10
12
14
16
distance (mm)

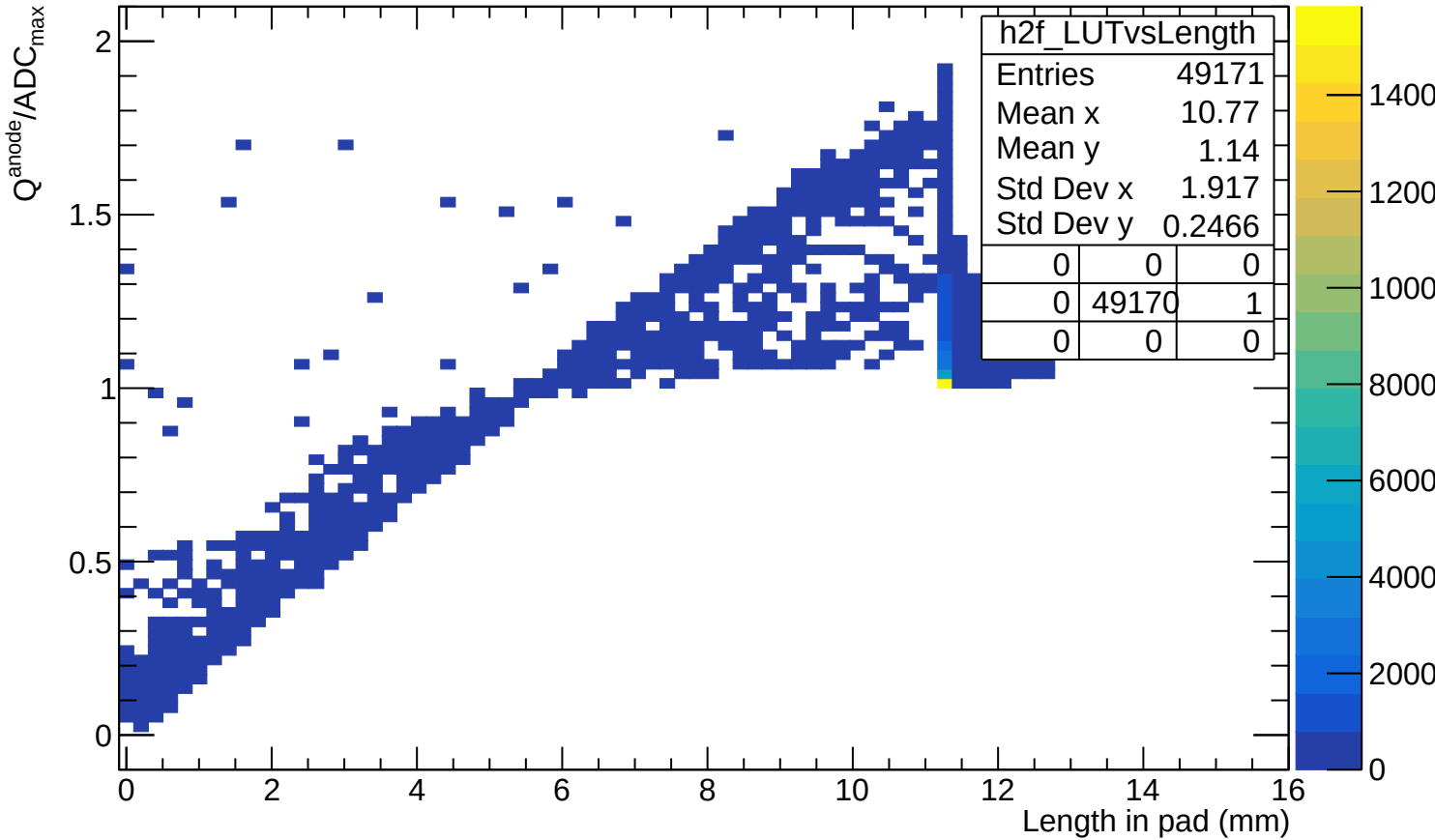

Correction A_{max} ratio
Count
ratio
h1f_WFcorr
Entries 46871
Mean 0.9984
Std Dev 0.007242
Underflow 1
Overflow 0
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
0
0.5
1
1.5
2
2.5
3

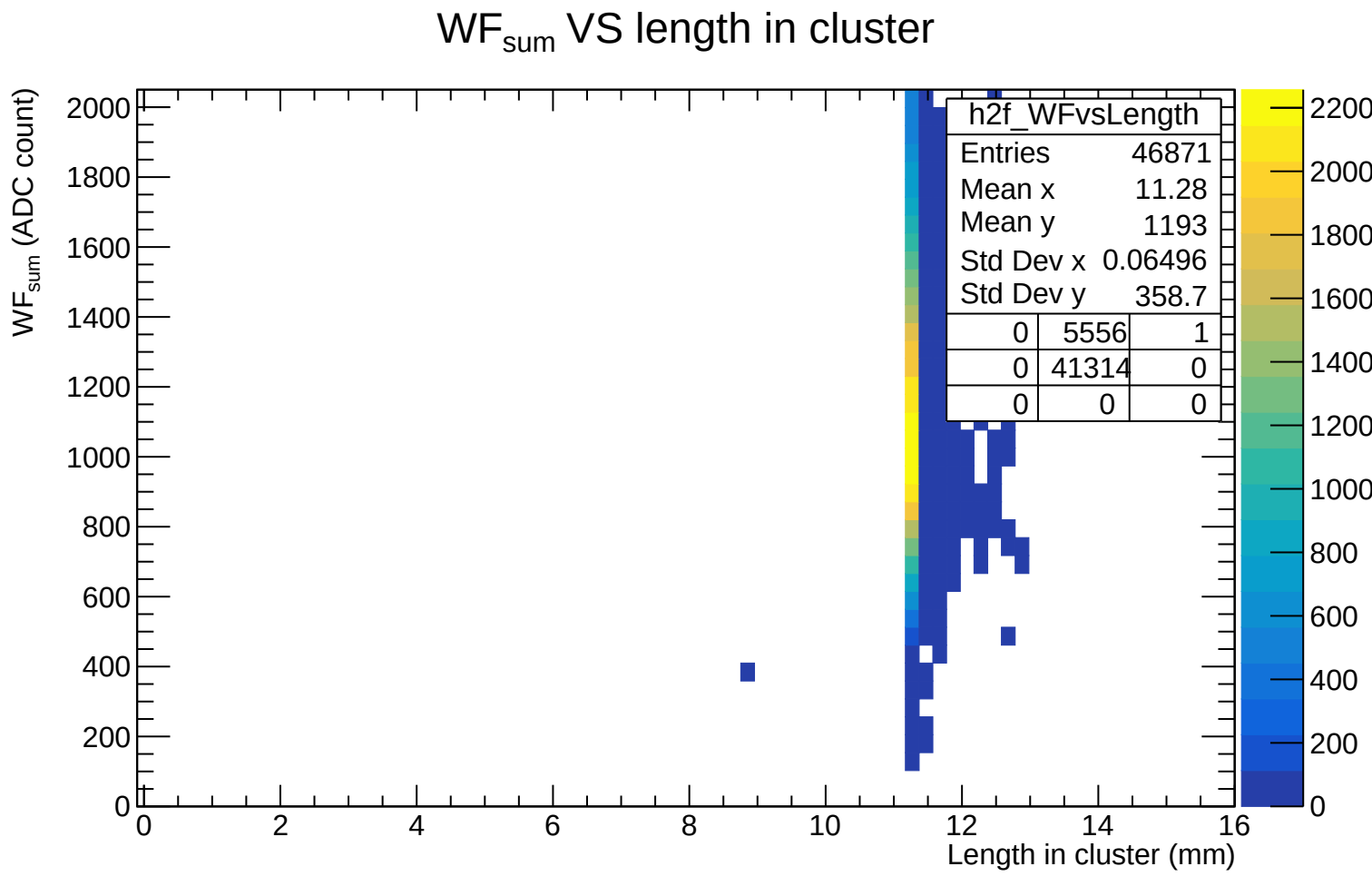

Gain correction ratio
h1f_Gcorr
Entries 130215
Mean 0.9805
Std Dev 0.07149
Underflow 0
Overflow 0
Count
ratio
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
22000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

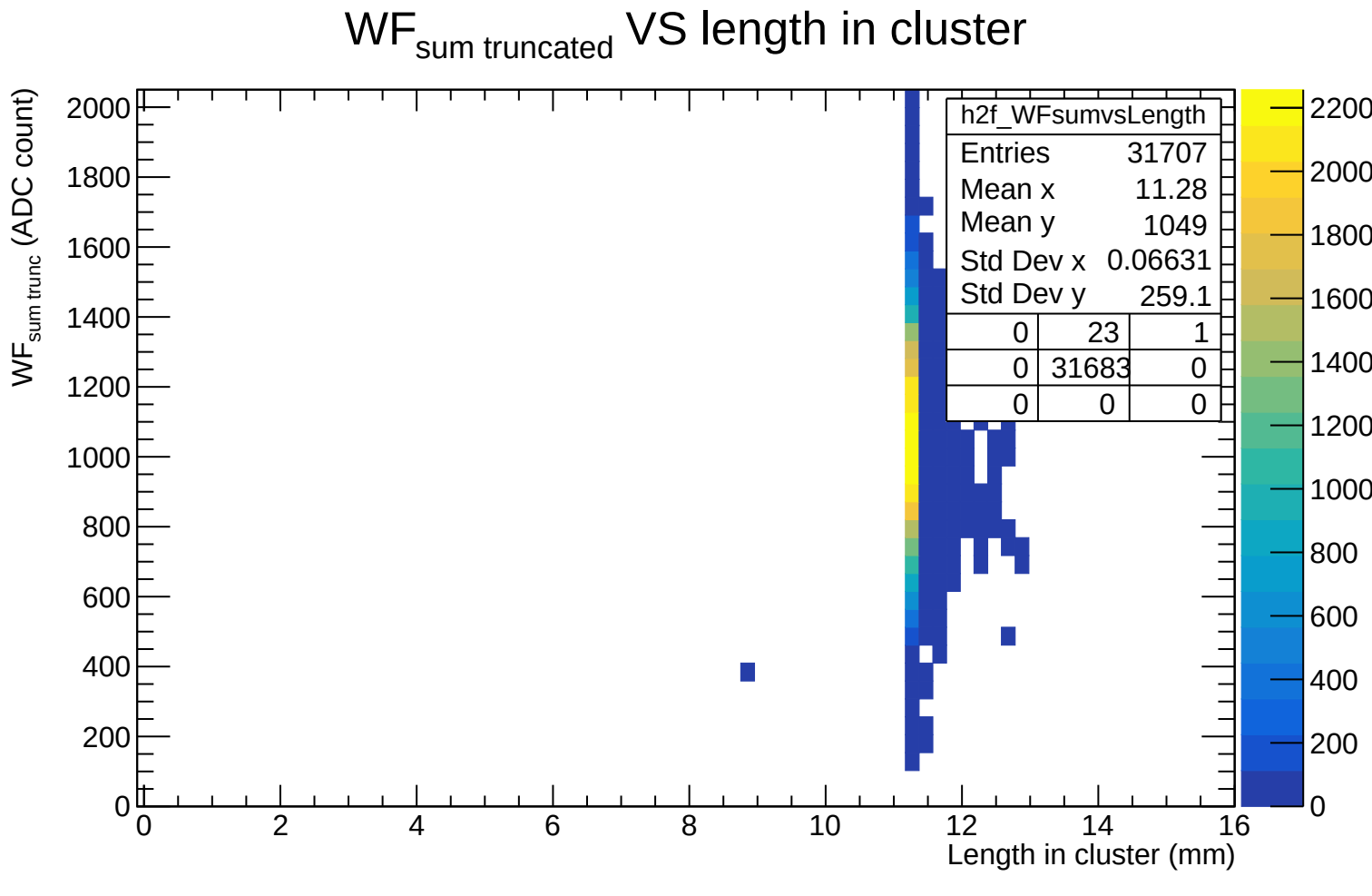

Y position VS dE/dx
Y position (cm)
dE/dx (ADC counts)
h2f_dEdx_Y
Entries 1379
Mean x 840
Mean y 6.031
Std Dev x 54.21
Std Dev y 2.786
0 1361 0
0 18 0
0 0 0

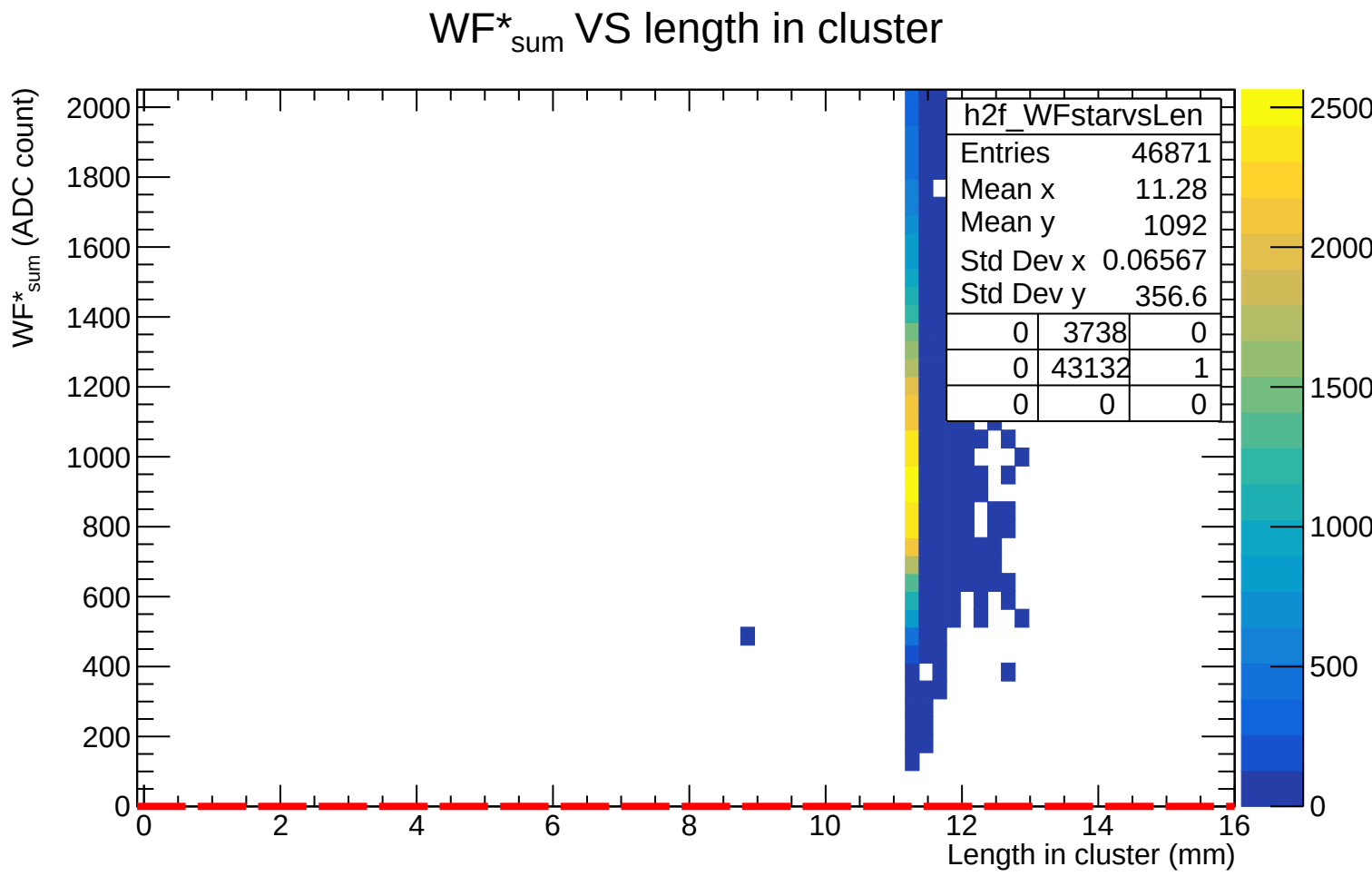

LUT(z_file) vs LUT(z_calc)
h2f_ratiodiffZ
Entries 48380
Mean x 1.154
Mean y 1.168
Std Dev x 0.2201
Std Dev y 0.2266
0 0 0
0 48380 0
0 0 0
LUT(z_file)
LUT(z_calc)
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
0 2000 4000 6000 8000 1000 1200

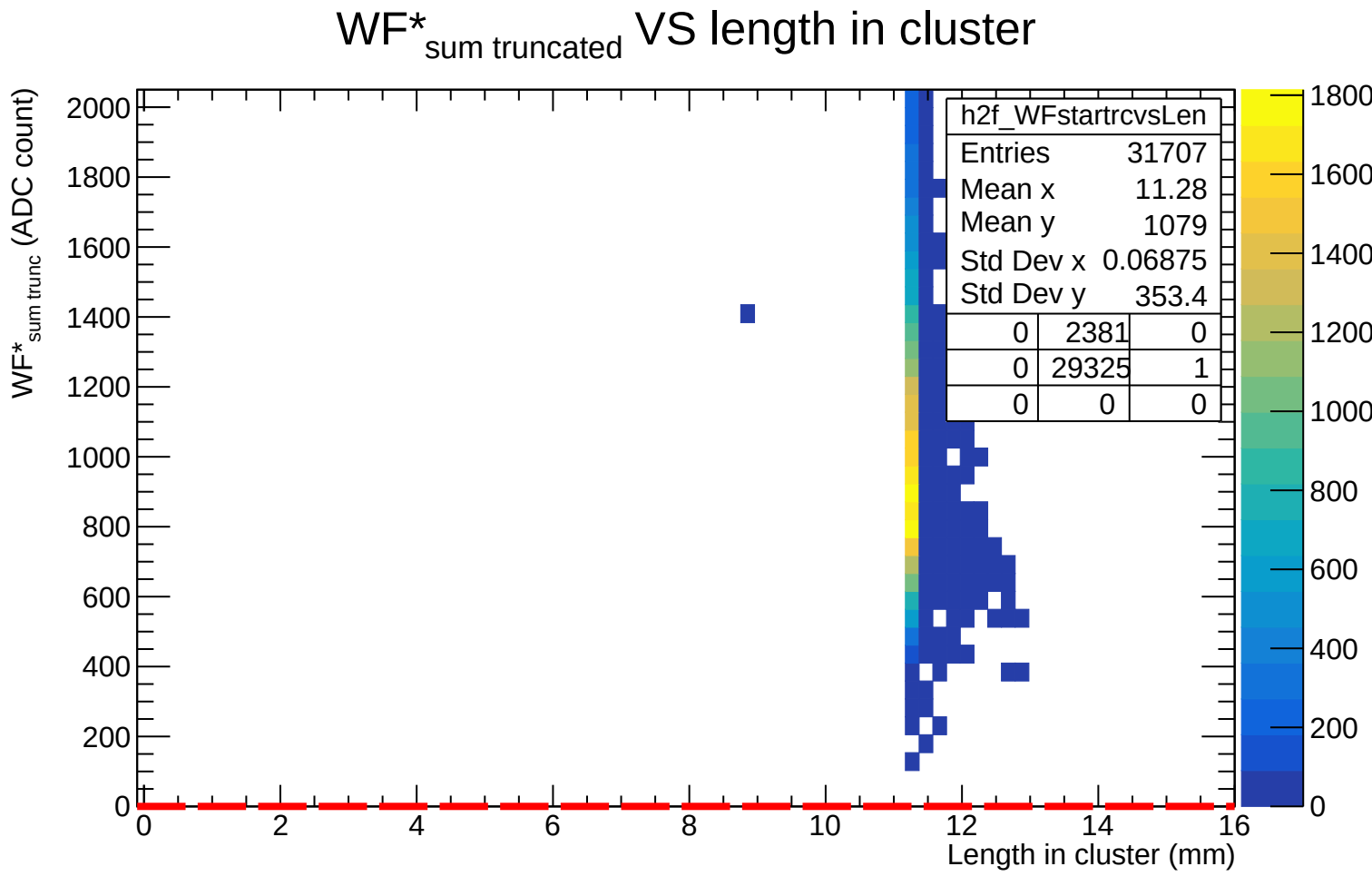

ADC$_{max}$ VS length in pad (before length cut)
ADC$_{max}$
Length in pad (mm)
h2f_AmaxvsLength
Entries 49171
Mean x 10.77
Mean y 1136
Std Dev x 1.917
Std Dev y 560.3
0 2 0
0 49168 1
0 0 0
0 500 1000 1500 2000 2500 3000 3500 4000
0 2 4 6 8 10 12 14 16
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200

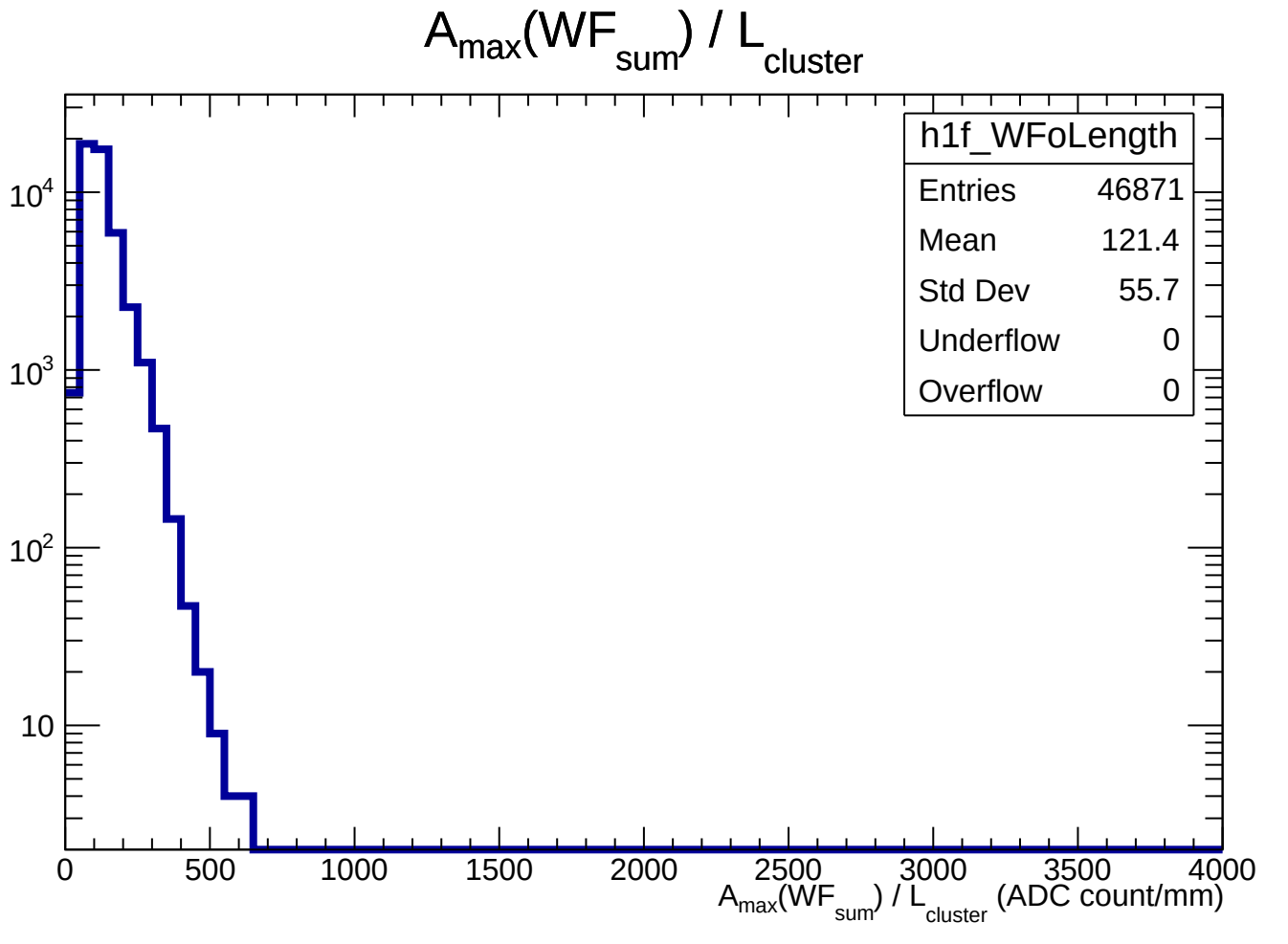

Q^anode/ADC_max VS length in pad (before length cut)
Q^anode/ADC_max
Length in pad (mm)
h2f_LUTvsLength
Entries 49171
Mean x 10.77
Mean y 1.14
Std Dev x 1.917
Std Dev y 0.2466
0 0 0
0 49170 1
0 0 0
0
0.5
1
1.5
2
0
2
4
6
8
10
12
14
16
0
2000
4000
6000
8000
1000
1200
1400

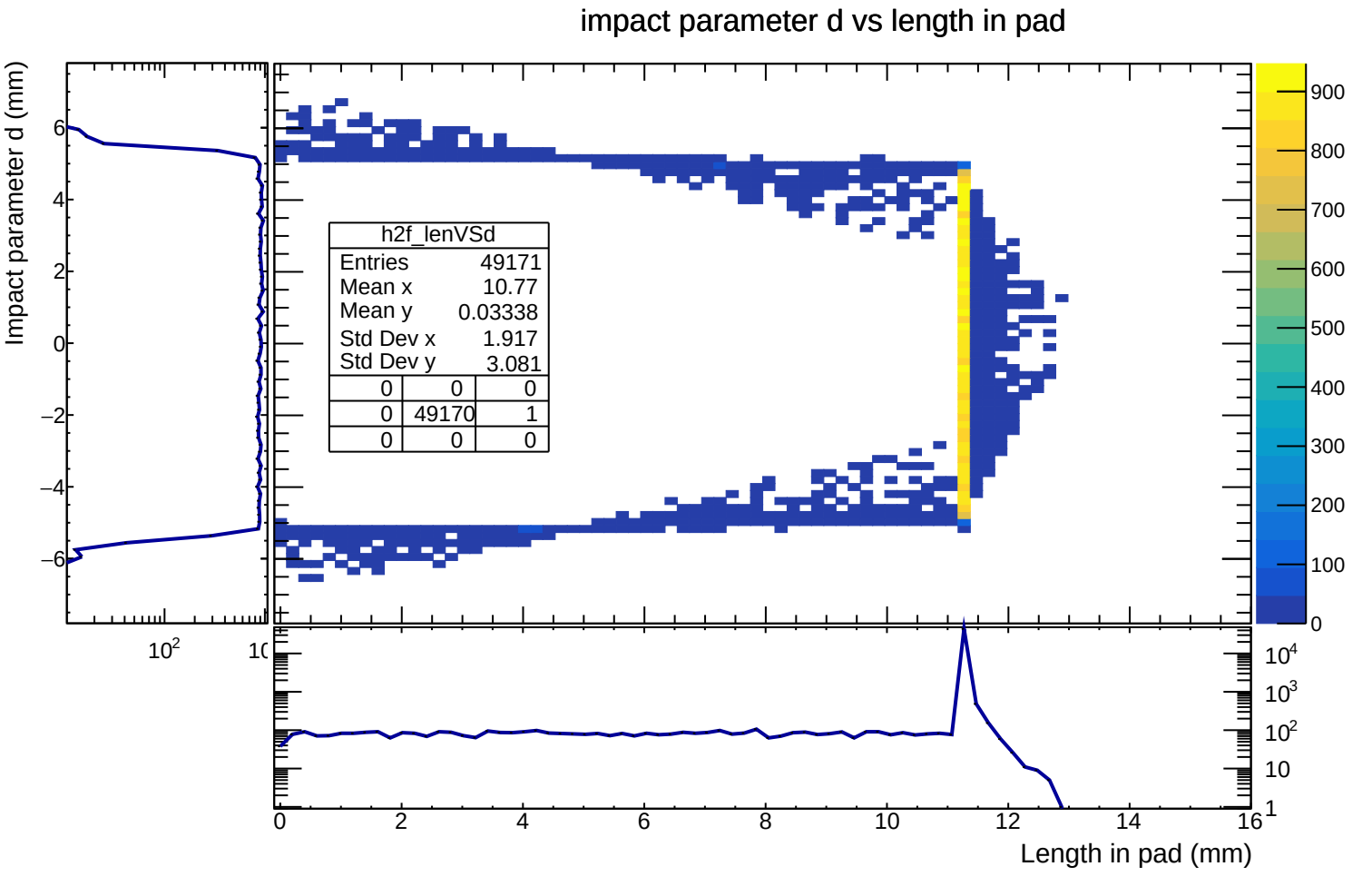

WF_sum VS length in cluster
WF_sum (ADC count)
Length in cluster (mm)
h2f_WFvsLength
Entries 46871
Mean x 11.28
Mean y 1193
Std Dev x 0.06496
Std Dev y 358.7
0 5556 1
0 41314 0
0 0 0
0 200 400 600 800 1000 1200 1400 1600 1800 2000
0 2 4 6 8 10 12 14 16
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200


WF sum truncated VS length in cluster
WF sum trunc (ADC count)
Length in cluster (mm)
h2f_WFsumvsLength
Entries 31707
Mean x 11.28
Mean y 1049
Std Dev x 0.06631
Std Dev y 259.1
0 23 1
0 31683 0
0 0 0


WF*sum VS length in cluster
WF*sum (ADC count)
Length in cluster (mm)
h2f_WFstarvsLen
Entries 46871
Mean x 11.28
Mean y 1092
Std Dev x 0.06567
Std Dev y 356.6
0 3738 0
0 43132 1
0 0 0
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


WF*sum truncated VS length in cluster
WF*sum trunc (ADC count)
Length in cluster (mm)
h2f_WFstartrcvsLen
Entries 31707
Mean x 11.28
Mean y 1079
Std Dev x 0.06875
Std Dev y 353.4
0 2381 0
0 29325 1
0 0 0
0 200 400 600 800 1000 1200 1400 1600 1800 2000
0 2 4 6 8 10 12 14 16
0 200 400 600 800 1000 1200 1400 1600 1800


$A_{max}(WF_{sum}) / L_{cluster}$
h1f_WFoLength
Entries 46871
Mean 121.4
Std Dev 55.7
Underflow 0
Overflow 0
10^4
10^3
10^2
10
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)
Length in pad (mm)
h2f_lenVSd
Entries 49171
Mean x 10.77
Mean y 0.03338
Std Dev x 1.917
Std Dev y 3.081
0 0 0
0 49170 1
0 0 0