T$_{max}$ of crossed pads

h1f_Tcross	
Entries	515783
Mean	213.5
Std Dev	2.621
Underflow	0
Overflow	0

Count

T (timbebin)

Number of crossed pads

h1f_Ncross	
Entries	11363
Mean	45.39
Std Dev	1.896
Underflow	0
Overflow	0

# of crossed pads

$\Sigma(Q)/\Sigma(length) - mean\{Q_i/length_i\}$

h1f_XPdiff	
Entries	11363
Mean	−1.466
Std Dev	18.34
Underflow	1
Overflow	0

difference (ADC count)

Count

Z$_{file = 550mm}$ - Z$_{computed}$

h1f_zdiff	
Entries	515783
Mean	33.51
Std Dev	8.08
Underflow	13
Overflow	2

Count

×10^3

difference (mm)

Angle φ in each pad

h1f_angle	
Entries	515783
Mean	−48.2
Std Dev	1.893
Underflow	83
Overflow	0

Count

$\times 10^3$

φ (°)
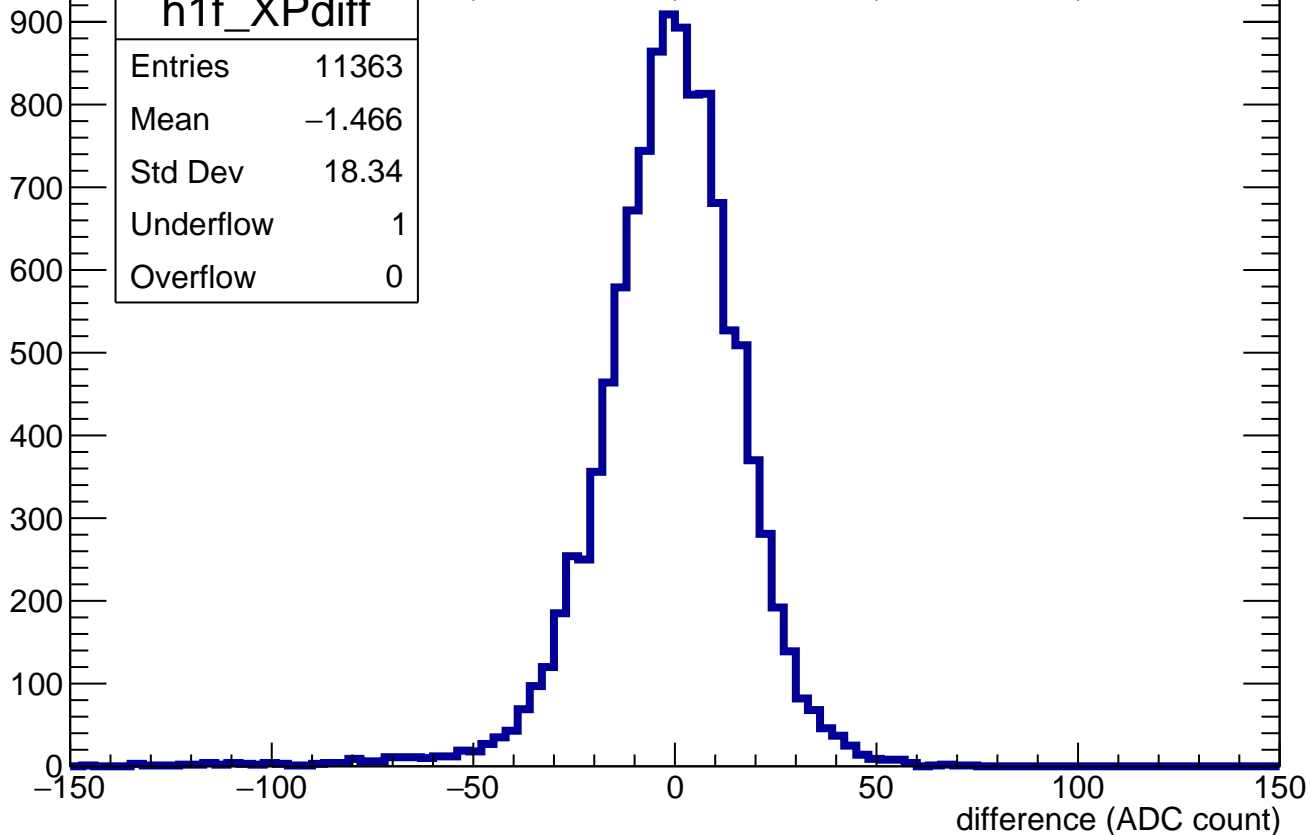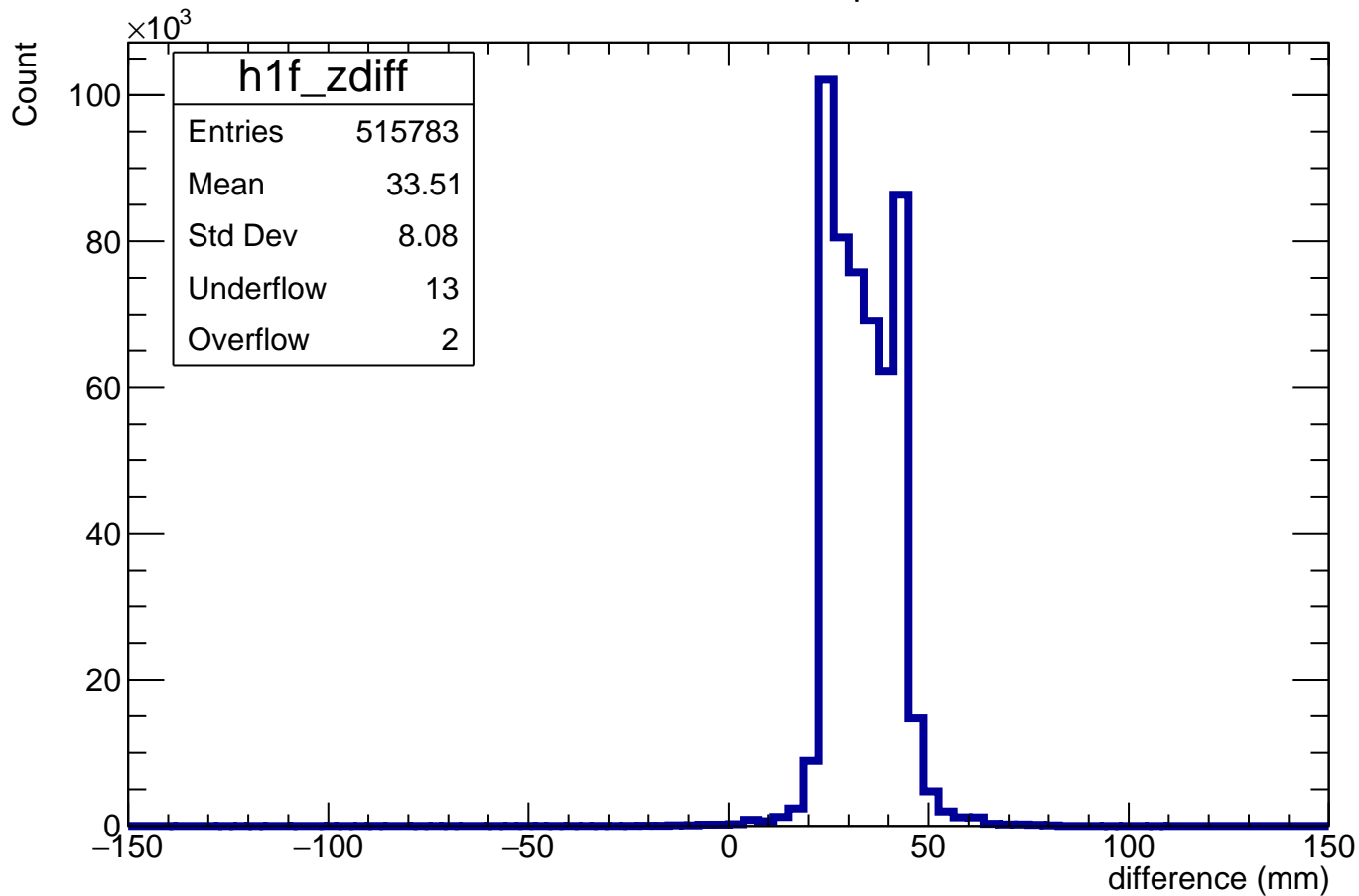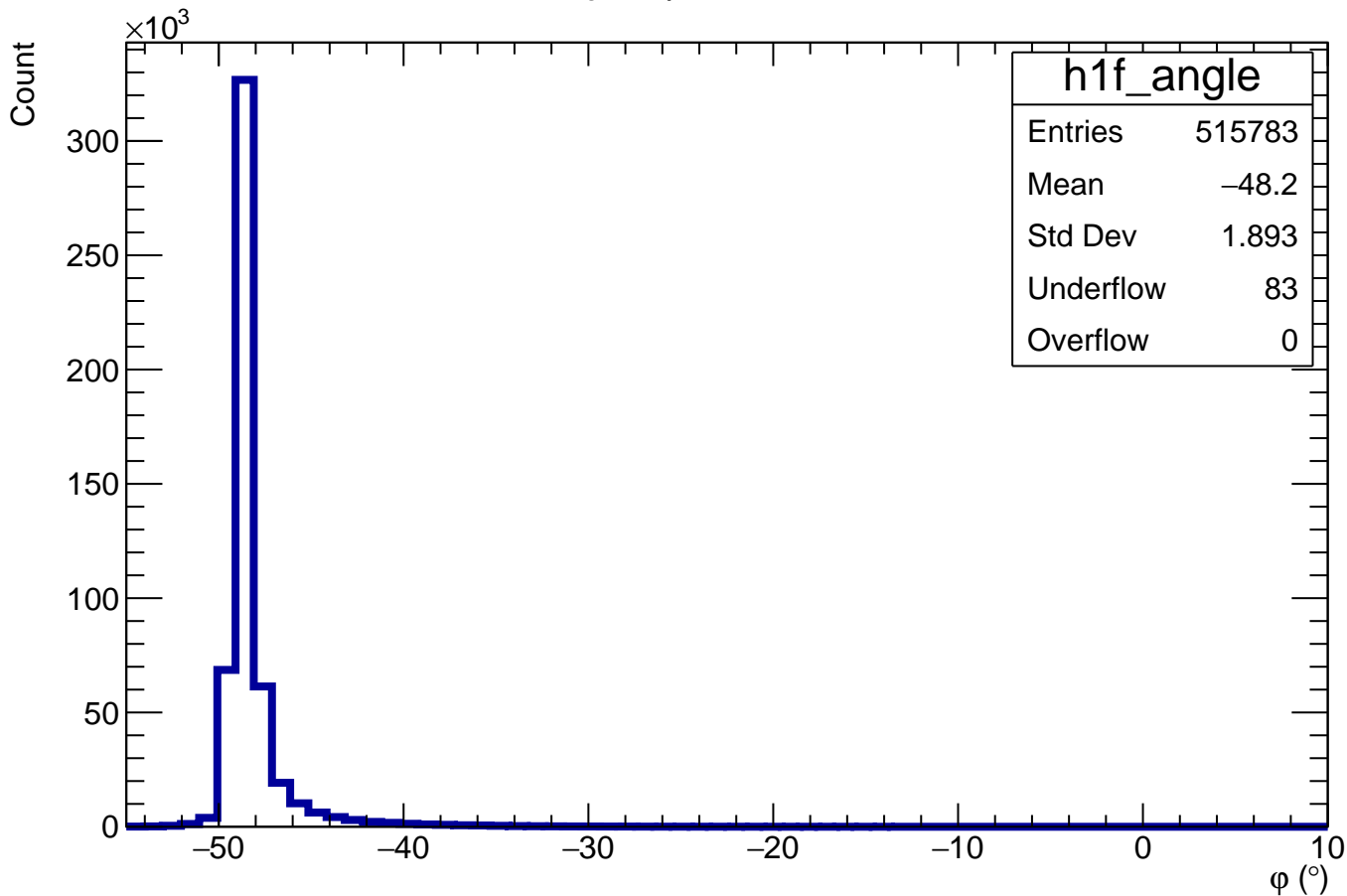
Length in pad normalized to maximum length in pad for a given φ

h1f_Lnorm	
Entries	592388
Mean	0.5554
Std Dev	0.3133
Underflow	0
Overflow	0
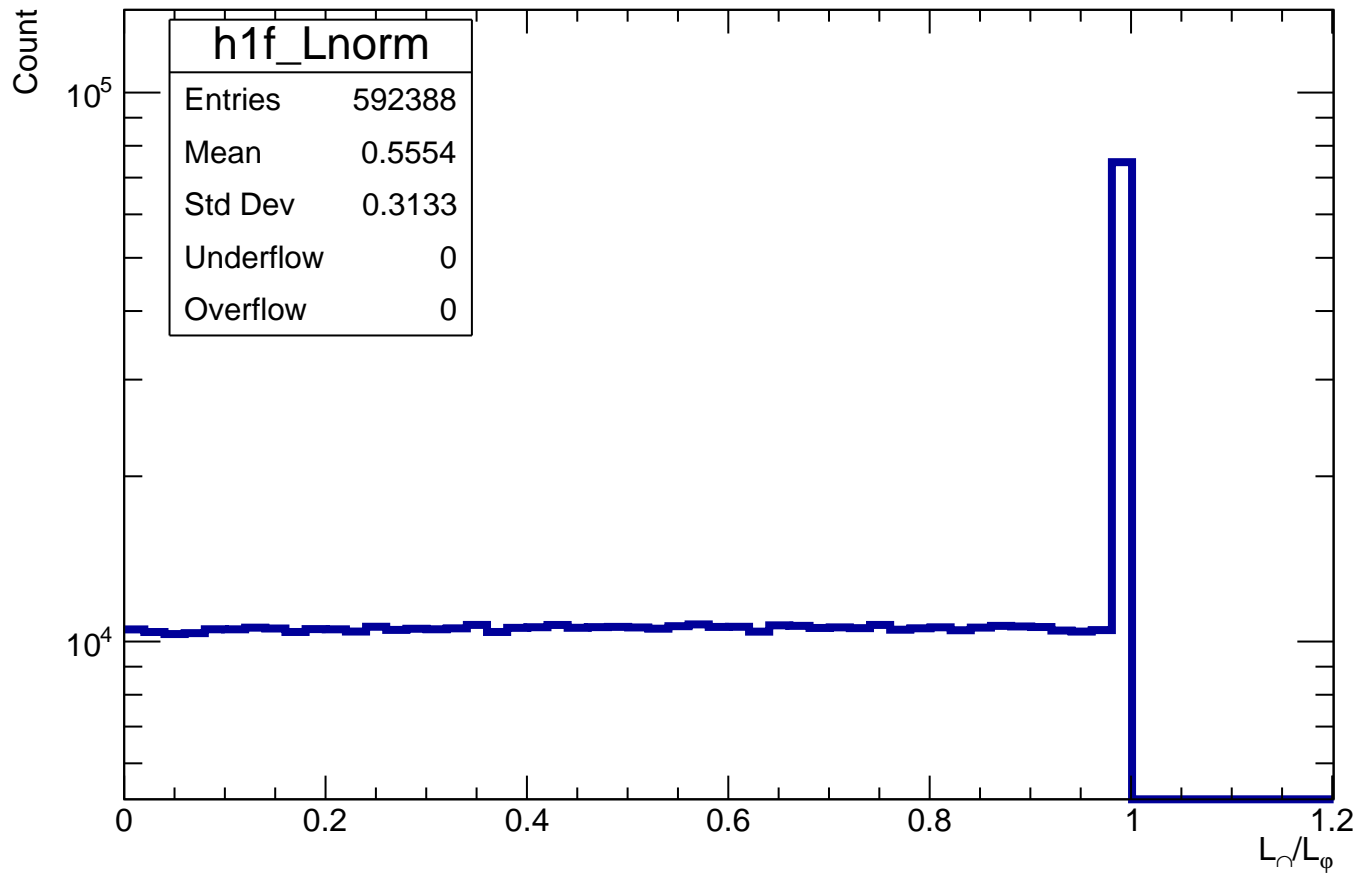
Normalized impact parameter d/d$_{max}$

h1f_dnorm	
Entries	592388
Mean	0.002294
Std Dev	0.5764
Underflow	0
Overflow	0

d/d$_{max}$

distance of track in pad

h1f_dist	
Entries	592388
Mean	7.576
Std Dev	4.271
Underflow	0
Overflow	0
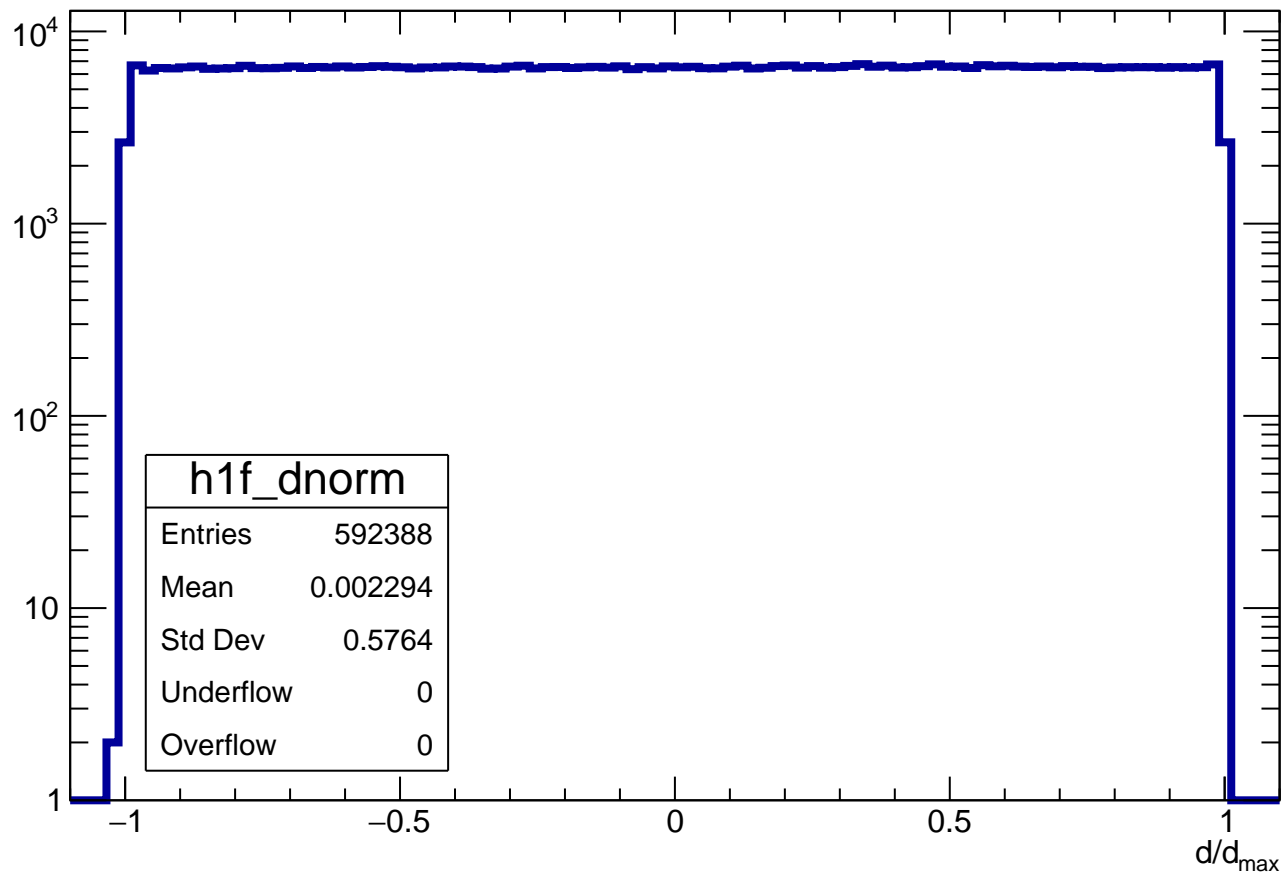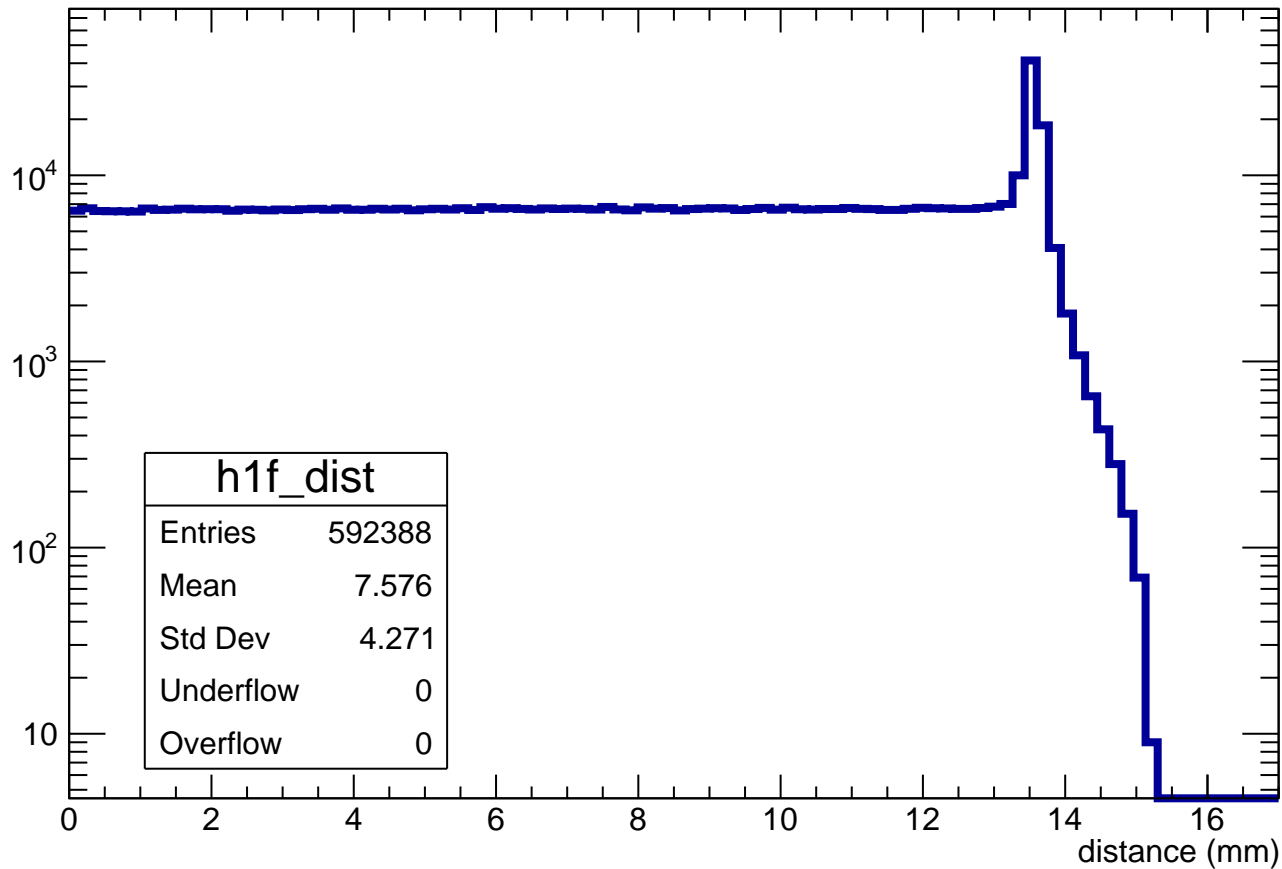
distance (mm)

distance of track in cluster

h1f_dist_clus	
Entries	592388
Mean	7.576
Std Dev	4.271
Underflow	0
Overflow	0

distance (mm)

Correction A$_{max}$ ratio

h1f_WFcorr	
Entries	515783
Mean	1.261
Std Dev	0.3196
Underflow	0
Overflow	0

Count
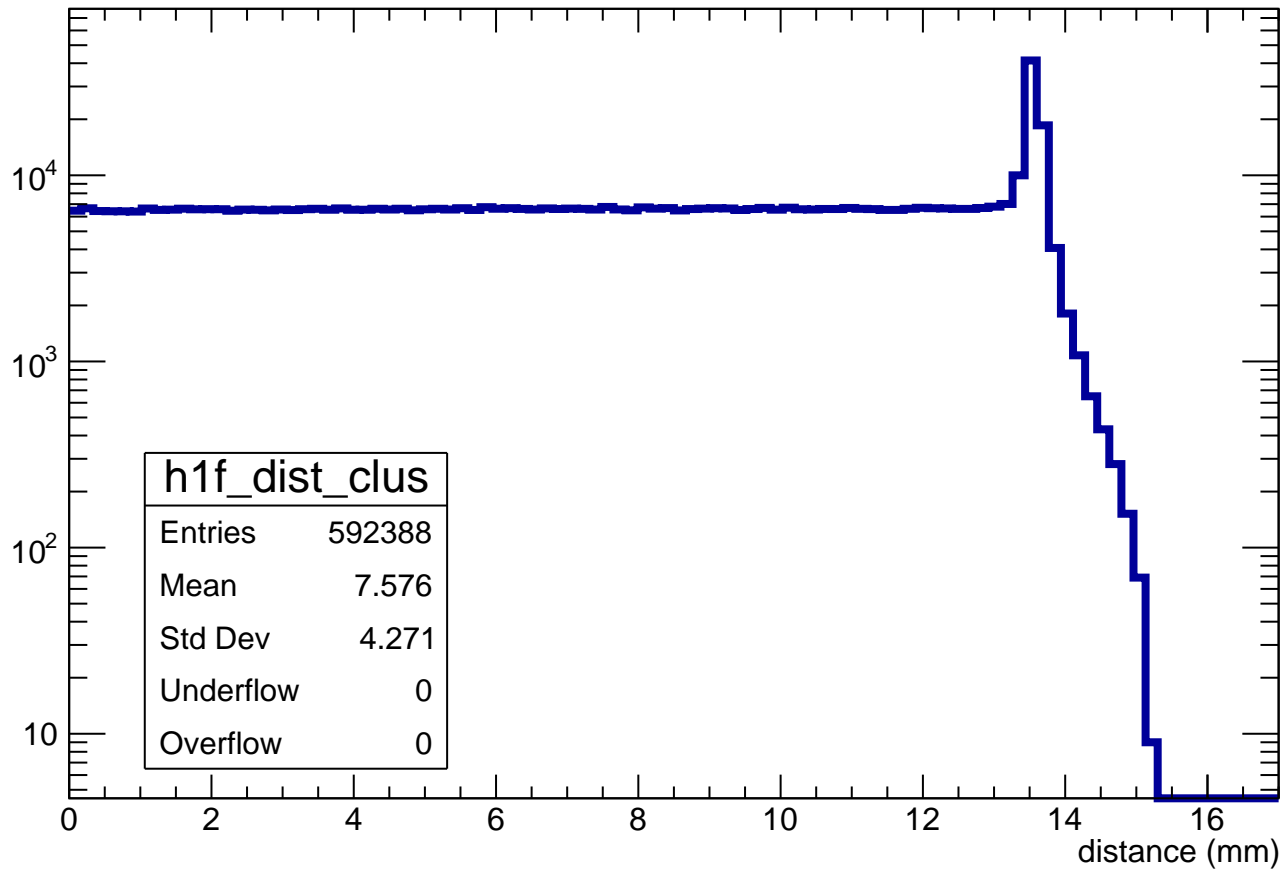
ratio

LUT(z_{file}) vs LUT(z_{calc})

h2f_ratiodiffZ		
Entries		515783
Mean x		1.05
Mean y		1.053
Std Dev x		0.1639
Std Dev y		0.1697
0	0	0
0	515783	0
0	0	0

ADC$_{max}$ VS length in pad (before length cut)

h2f_AmaxvsLength		
Entries		592388
Mean x		7.576
Mean y		862.8
Std Dev x		4.271
Std Dev y		552
0	0	0
0	592388	0
0	0	0
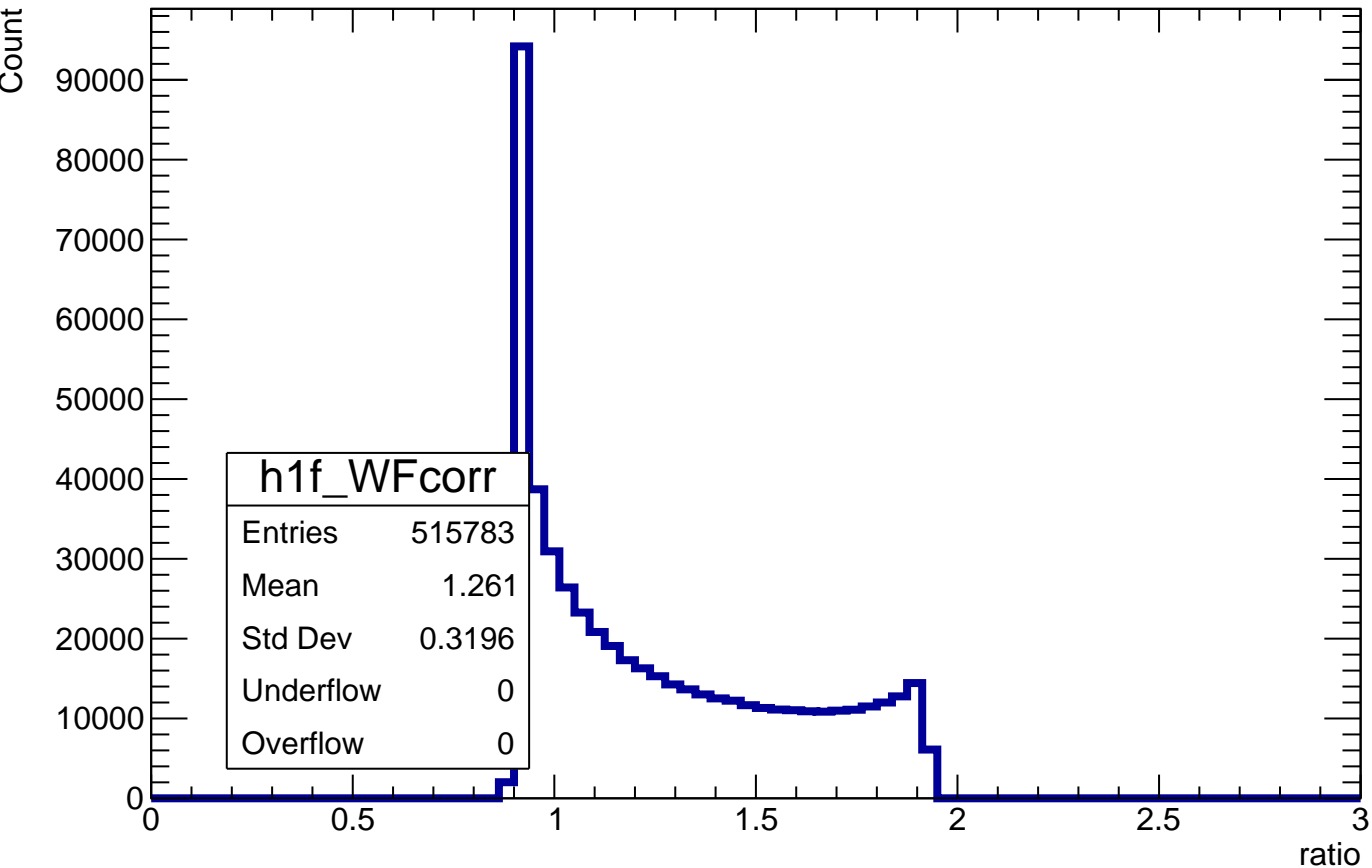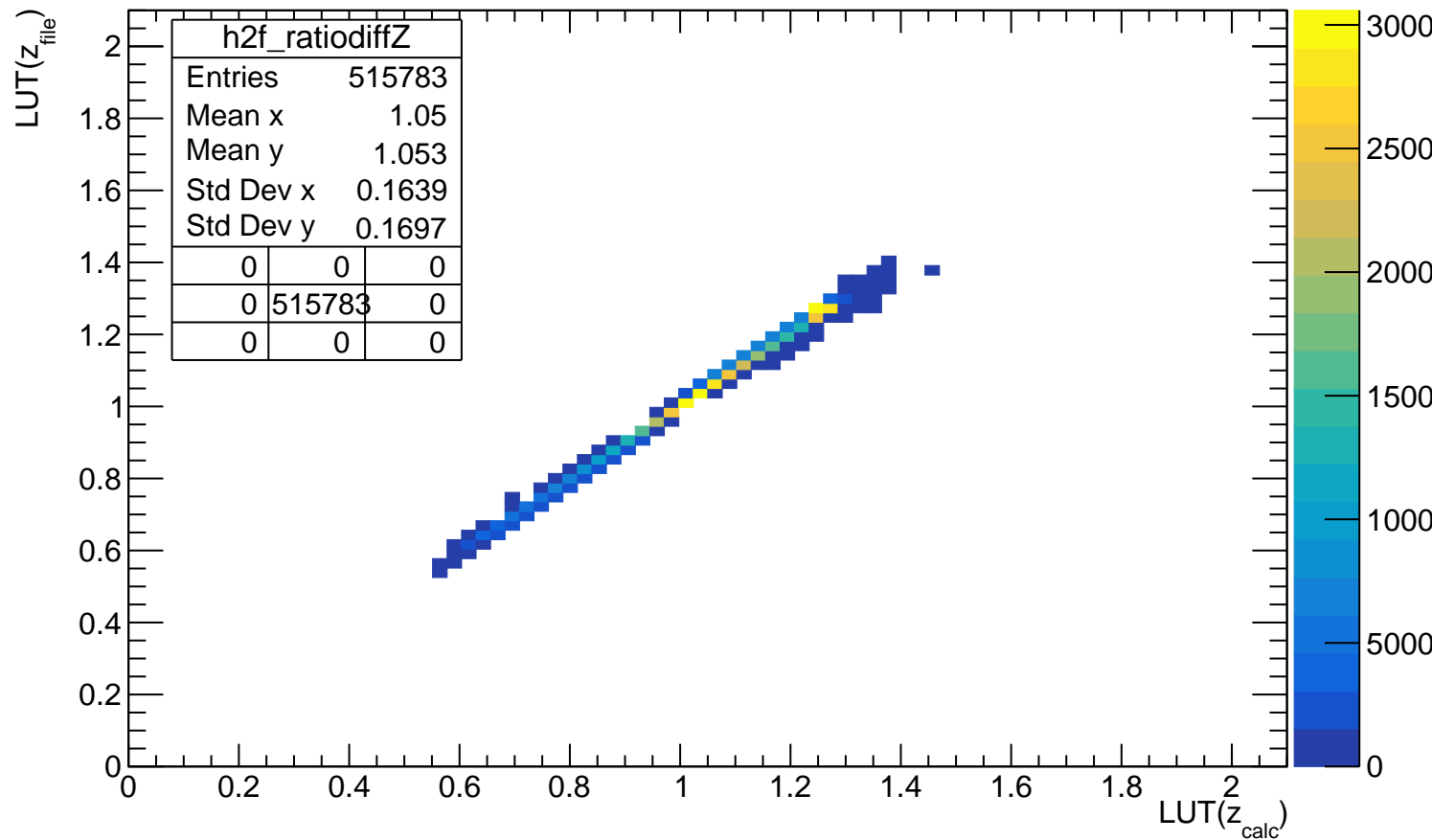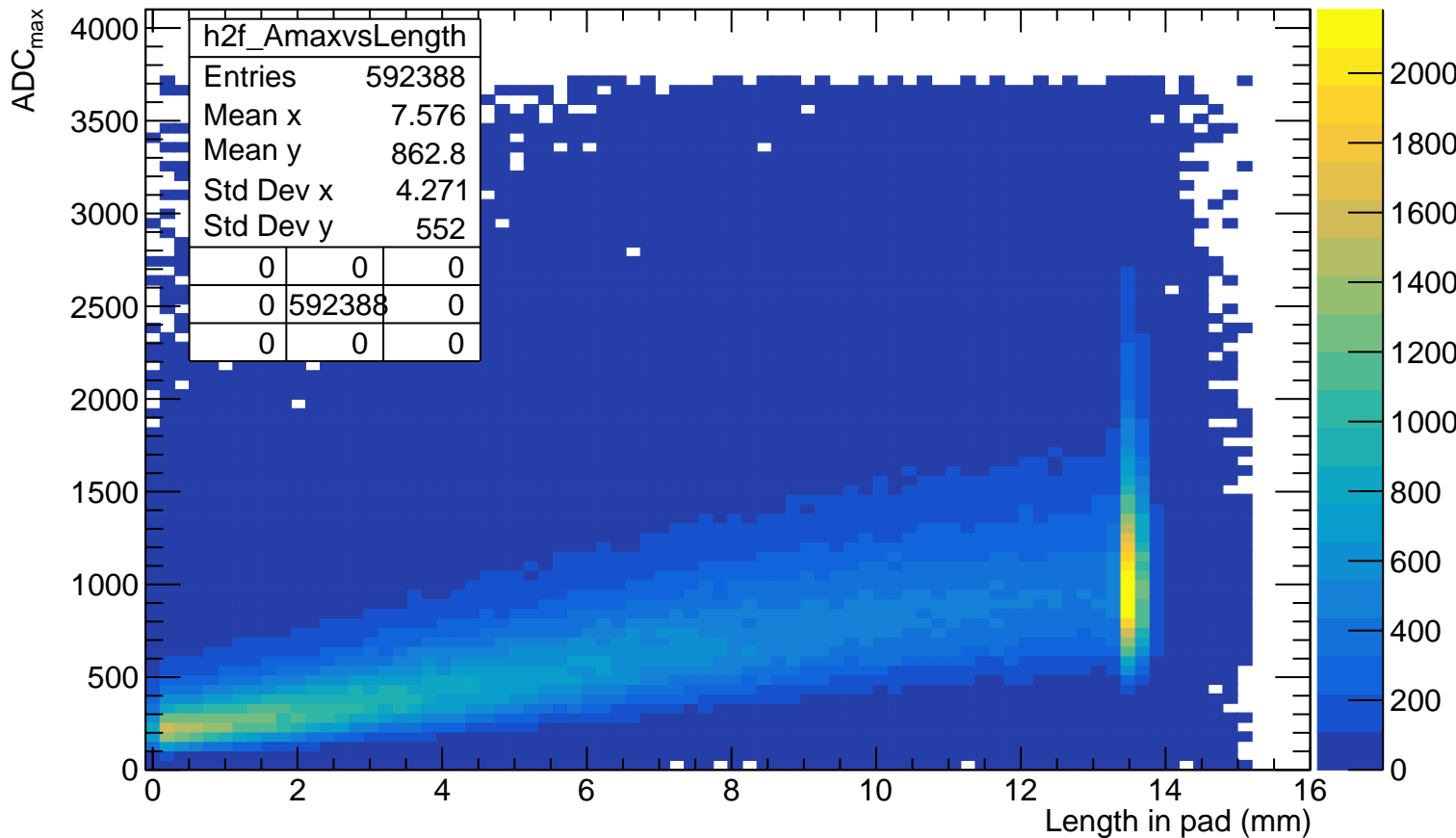
Q^{anode} VS length in pad (before length cut)

h2f_QvsLength		
Entries		592388
Mean x		7.566
Mean y		901.8
Std Dev x		4.268
Std Dev y		676.9
0	1102	0
0	591286	0
0	0	0
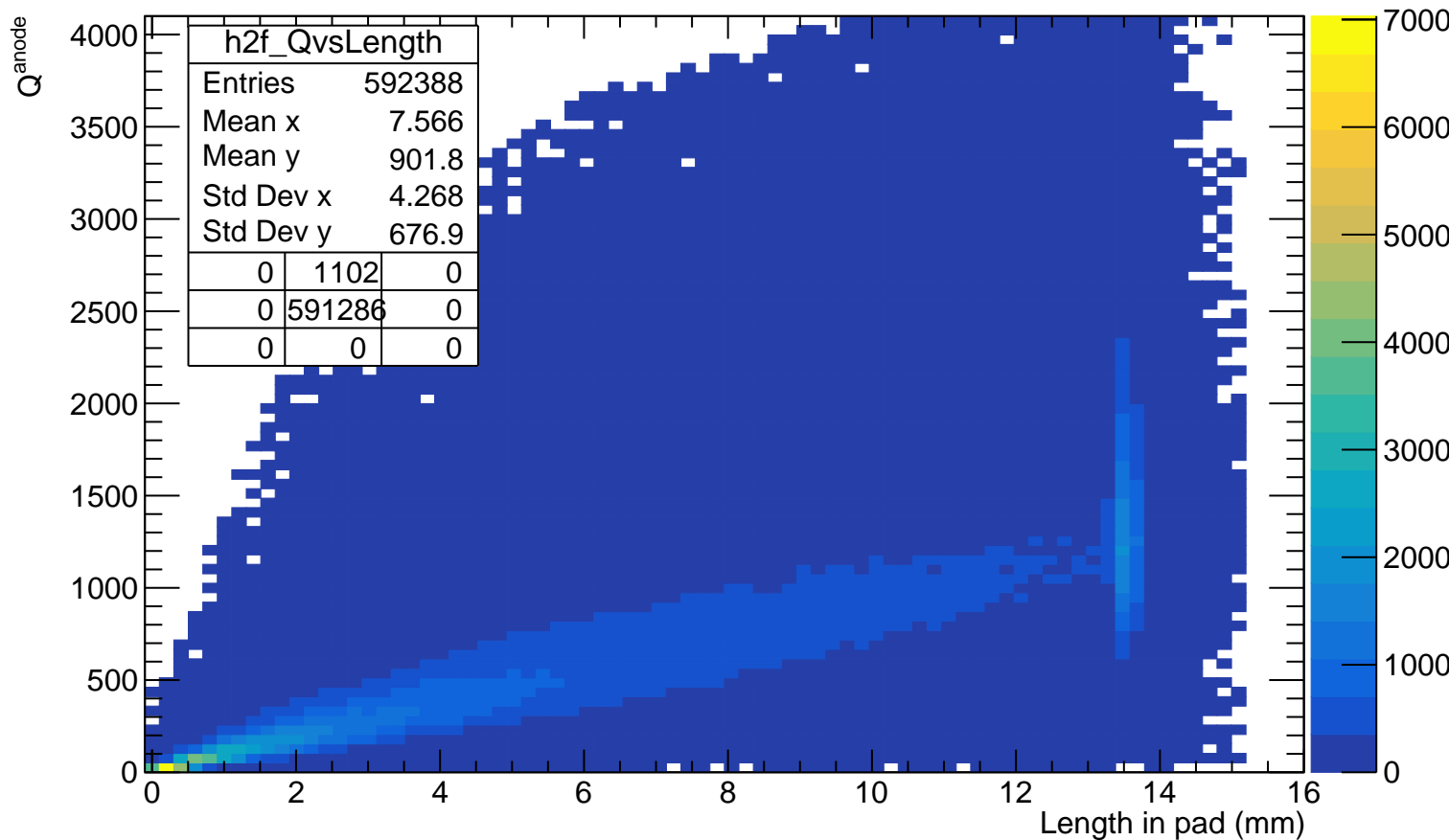
Q^{anode}/ADC_{max} VS length in pad (before length cut)

h2f_LUTvsLength		
Entries		592388
Mean x		7.576
Mean y		0.9601
Std Dev x		4.271
Std Dev y		0.285
0	0	0
0	592388	0
0	0	0
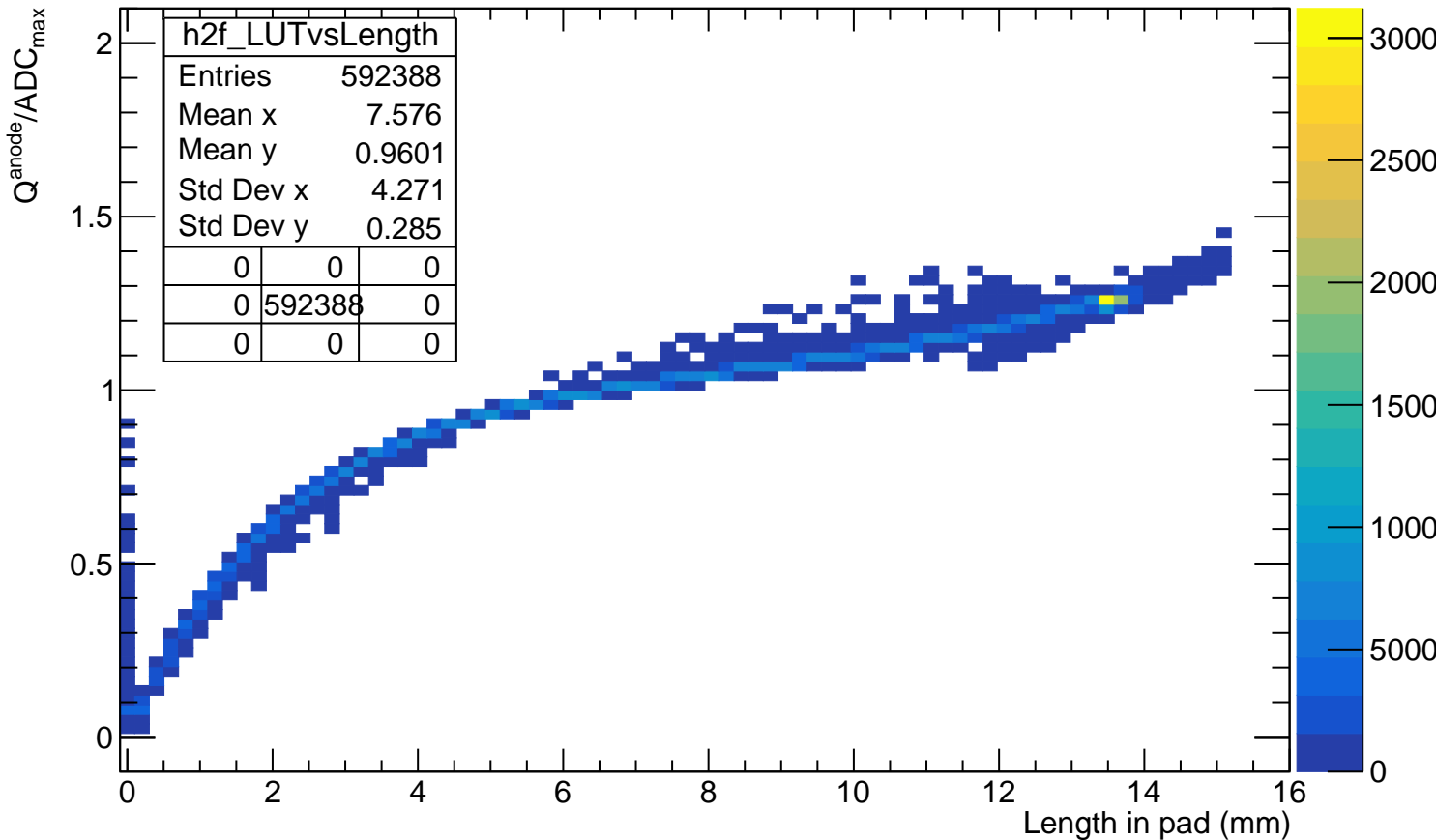
Length in pad (mm)

Q_cluster VS length in cluster

h2f_QclvsLength	
Entries	592388
Mean x	7.451
Mean y	876.7
Std Dev x	4.264
Std Dev y	395.7

0	33416	0
0	558972	0
0	0	0

$Q_{cluster}$ (ADC count)

Length in cluster (mm)

WF$_{sum}$ VS length in cluster

h2f_WFvsLength		
Entries		592388
Mean x		7.457
Mean y		869.3
Std Dev x		4.265
Std Dev y		393.6
0	31491	0
0	560897	0
0	0	0

$A_{max}(WF_{sum}) / L_{cluster}$

h1f_WFoLength	
Entries	592388
Mean	219.2
Std Dev	352.6
Underflow	0
Overflow	5941

$A_{max}(WF_{sum}) / L_{cluster}$ (ADC count/mm)
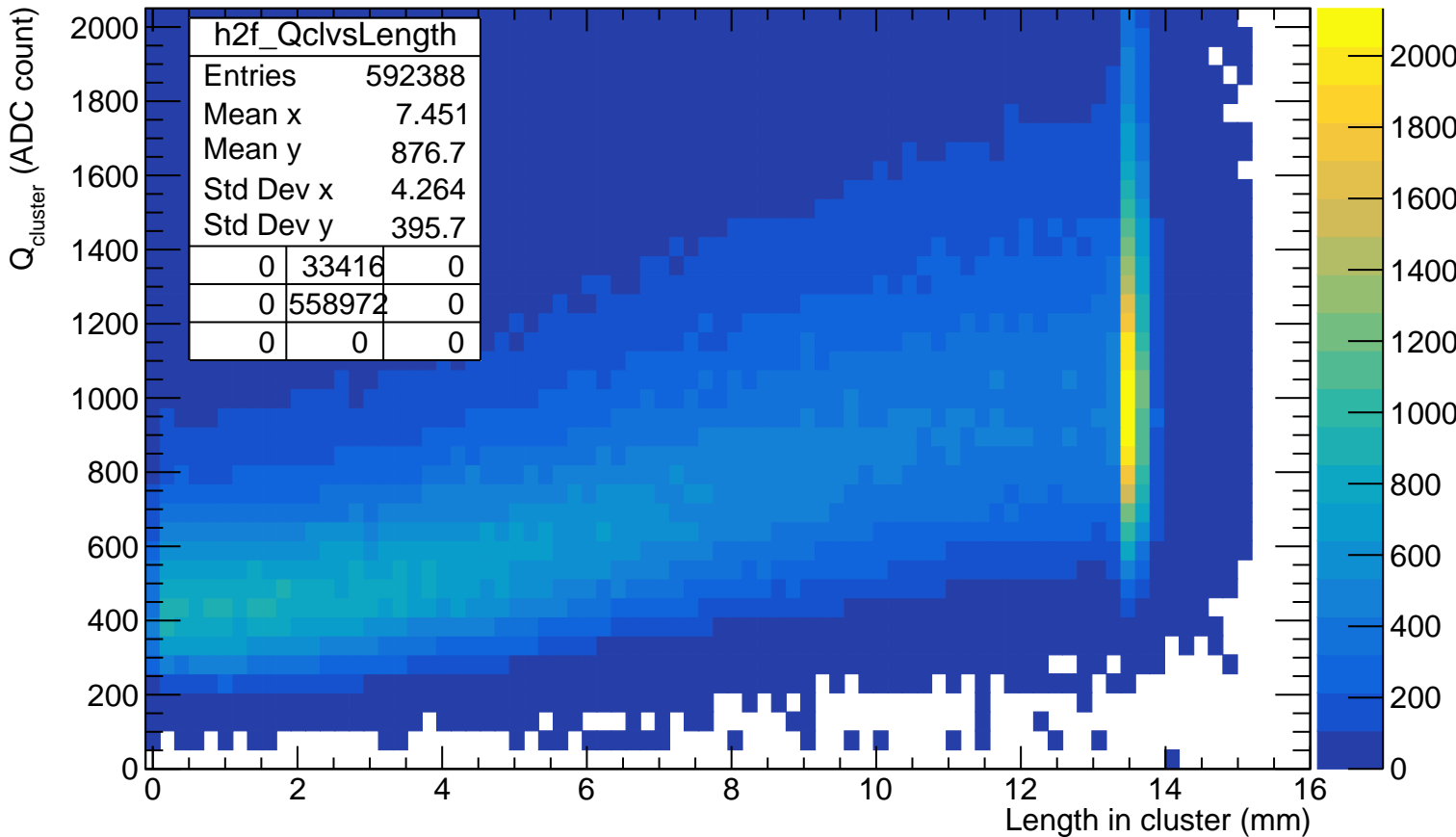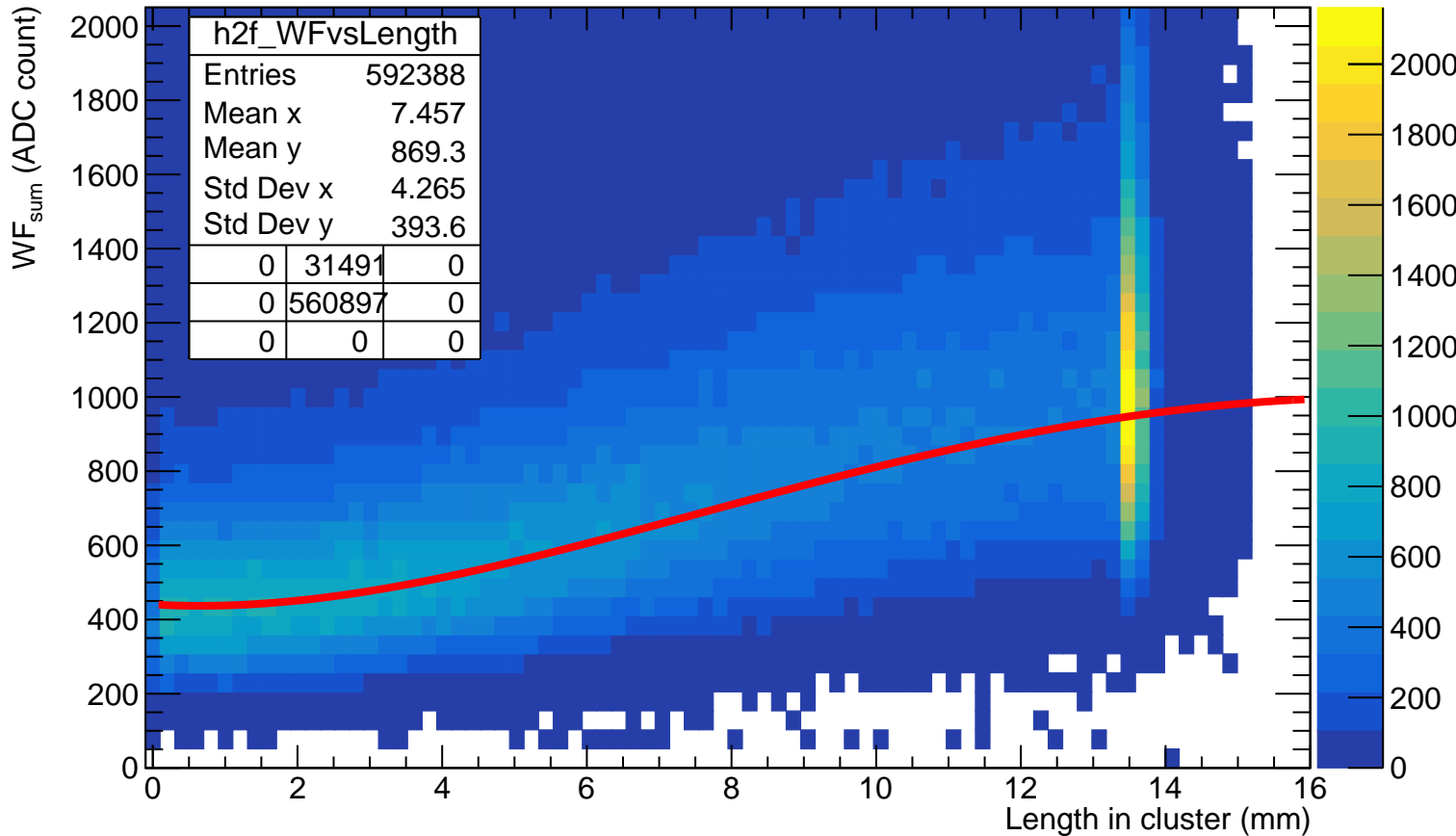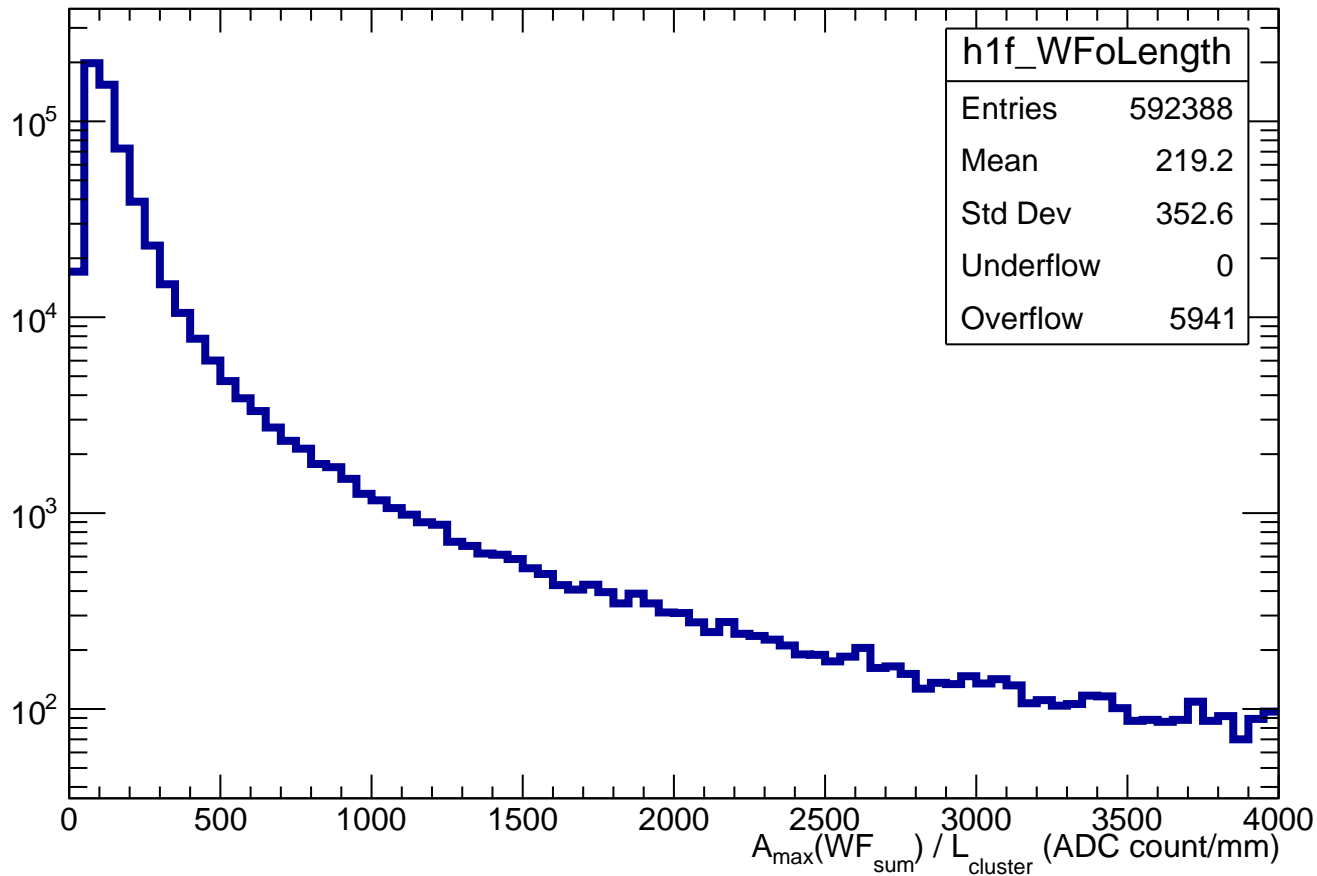
impact parameter d vs length in pad

h2f_lenVSd	
Entries	592388
Mean x	7.576
Mean y	0.01743
Std Dev x	4.271
Std Dev y	4.379

0	0	0
0	592388	0
0	0	0