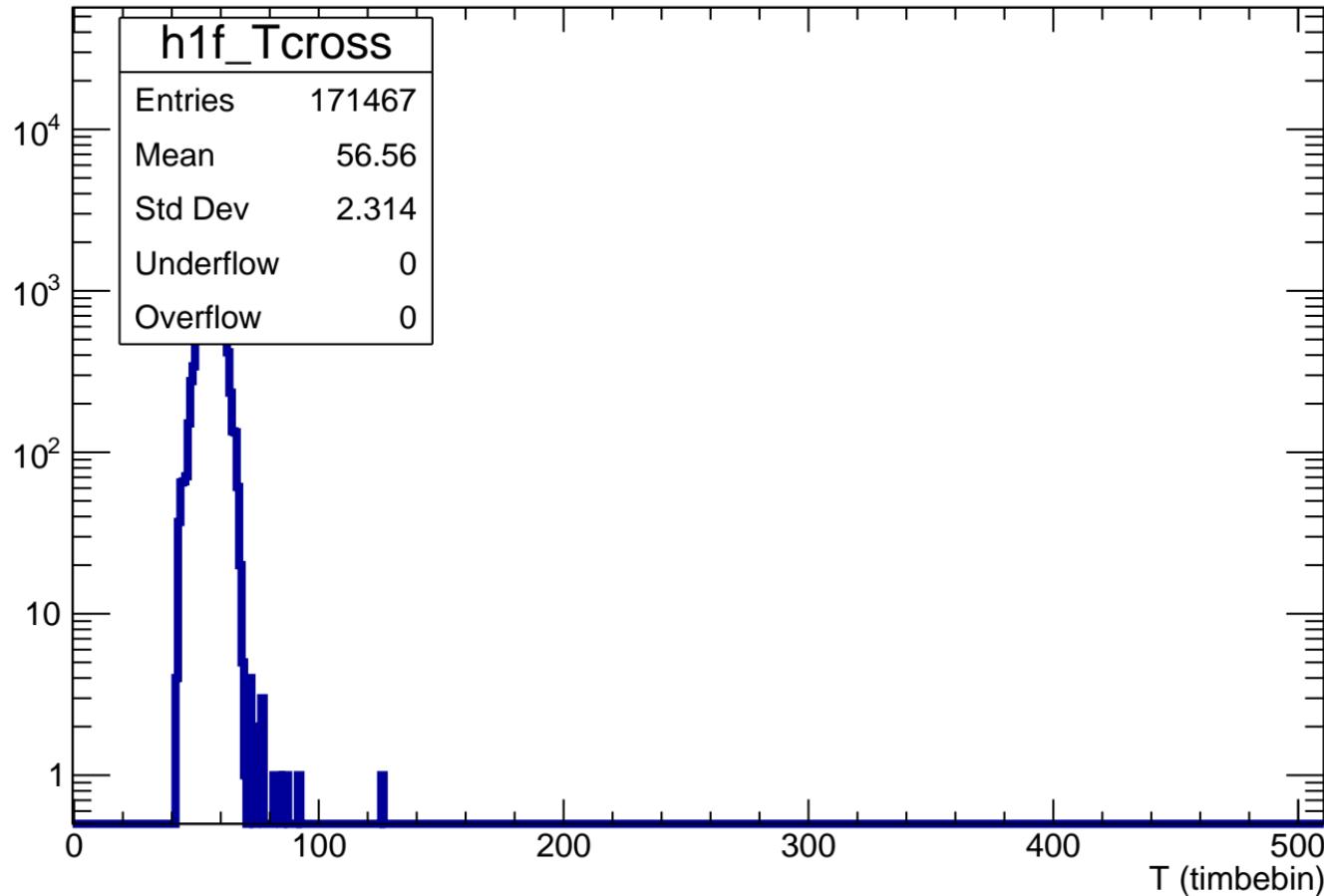


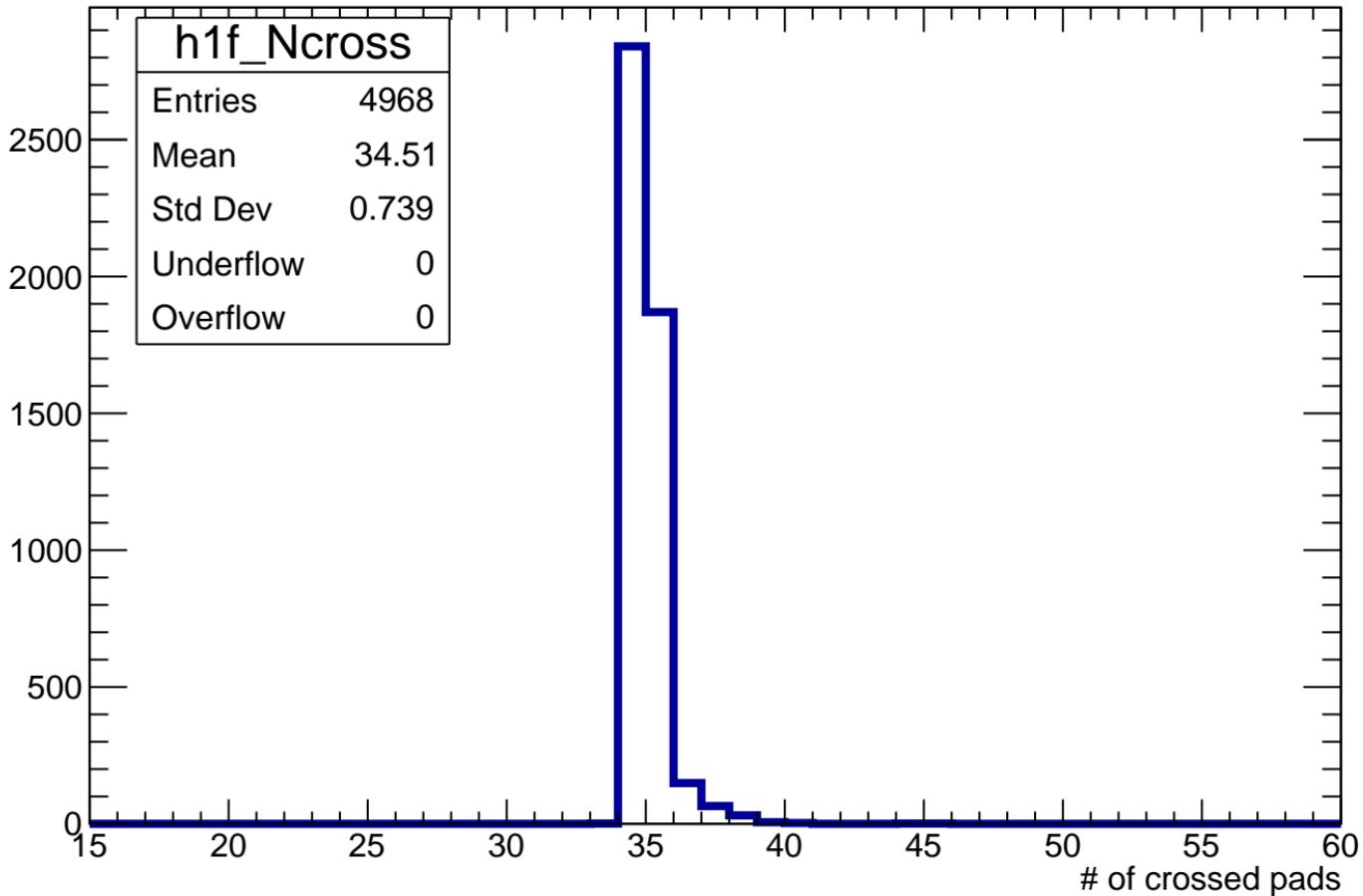
T_{\max} of crossed pads

Count

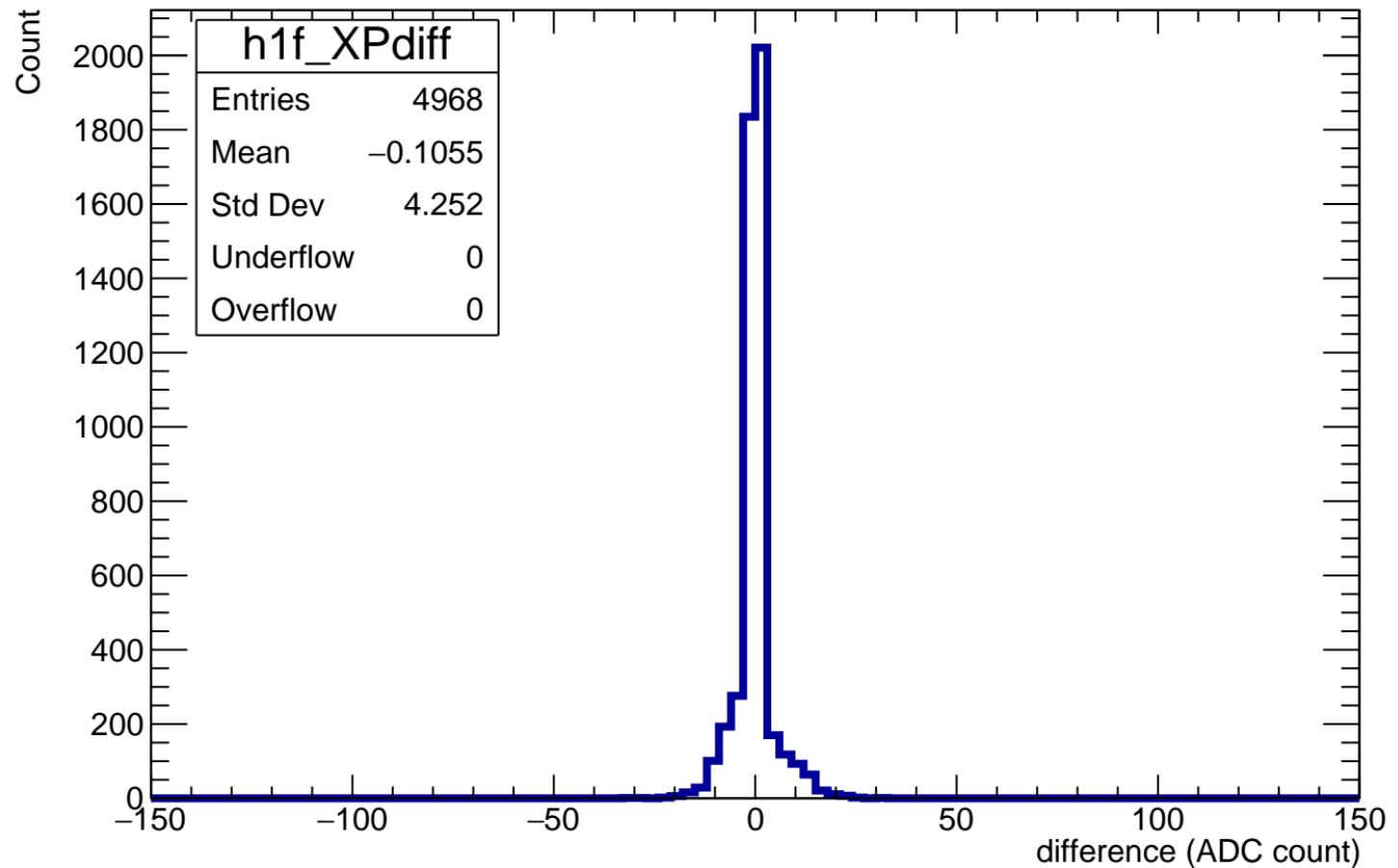


Number of crossed pads

Count



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



$Z_{\text{file}} = 50\text{mm} - Z_{\text{computed}}$

Count

 $\times 10^3$

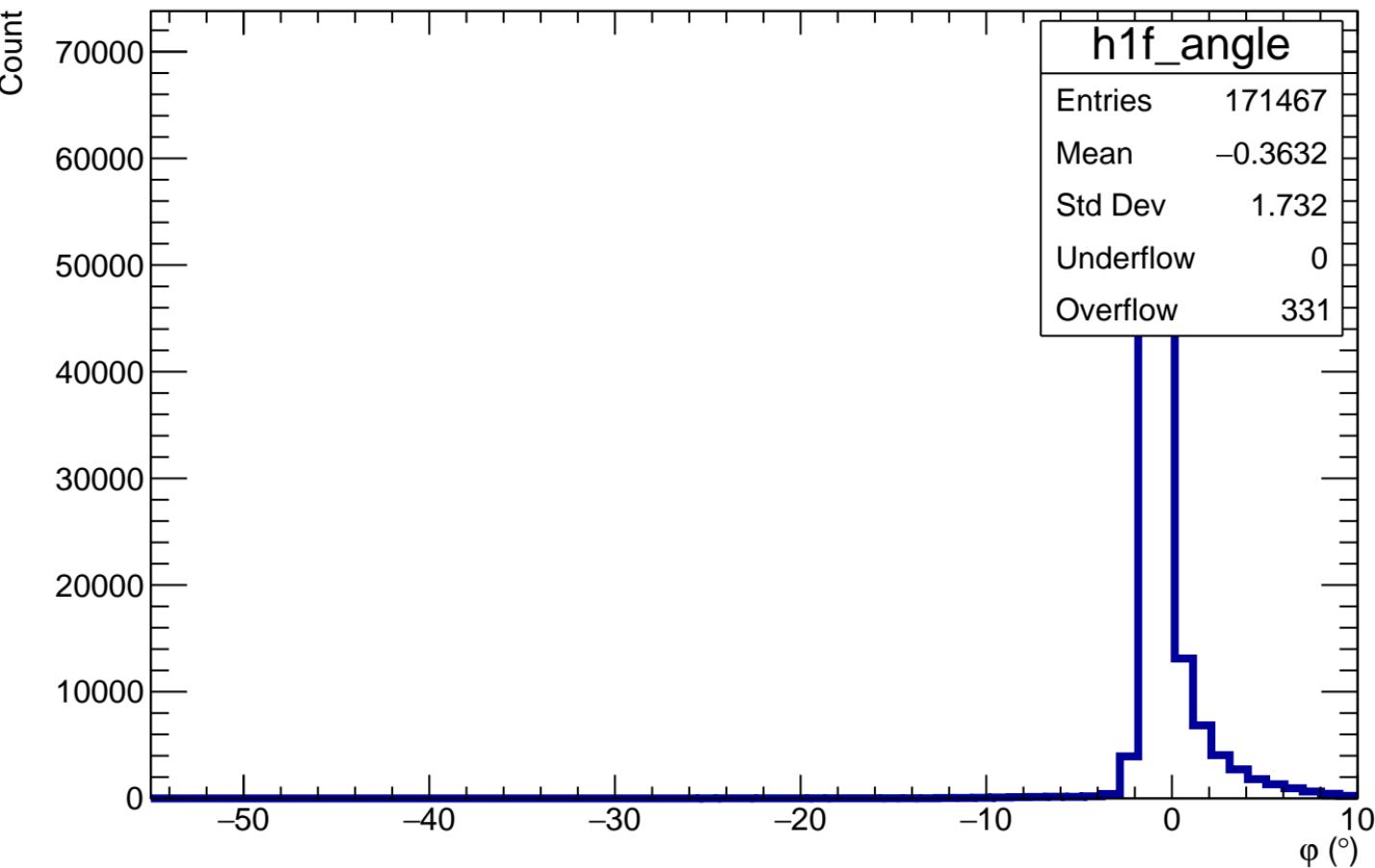
h1f_zdiff	
Entries	171467
Mean	50
Std Dev	0
Underflow	0
Overflow	0

180
160
140
120
100
80
60
40
20
0

-150 -100 -50 0 50 100 150

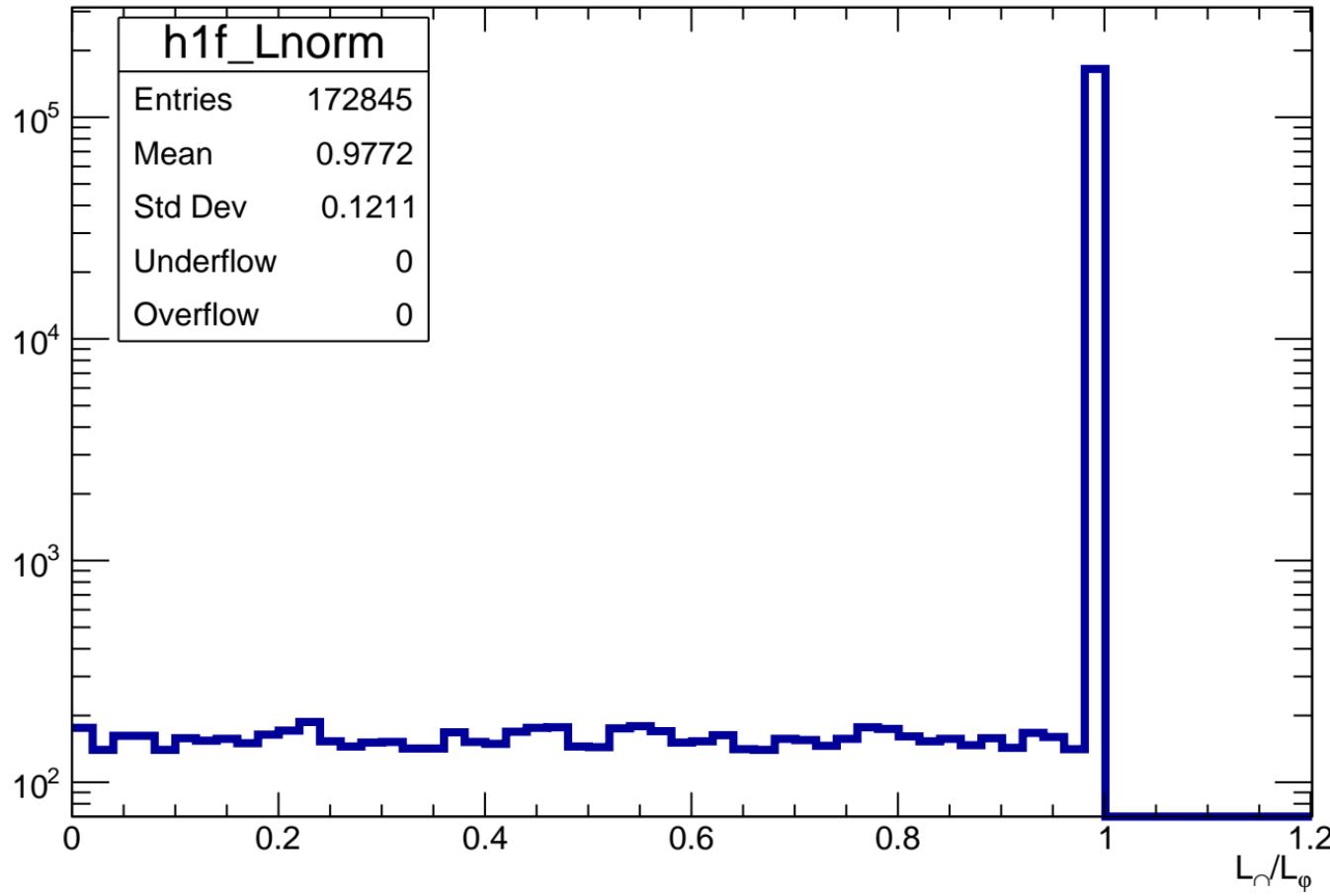
difference (mm)

Angle φ in each pad

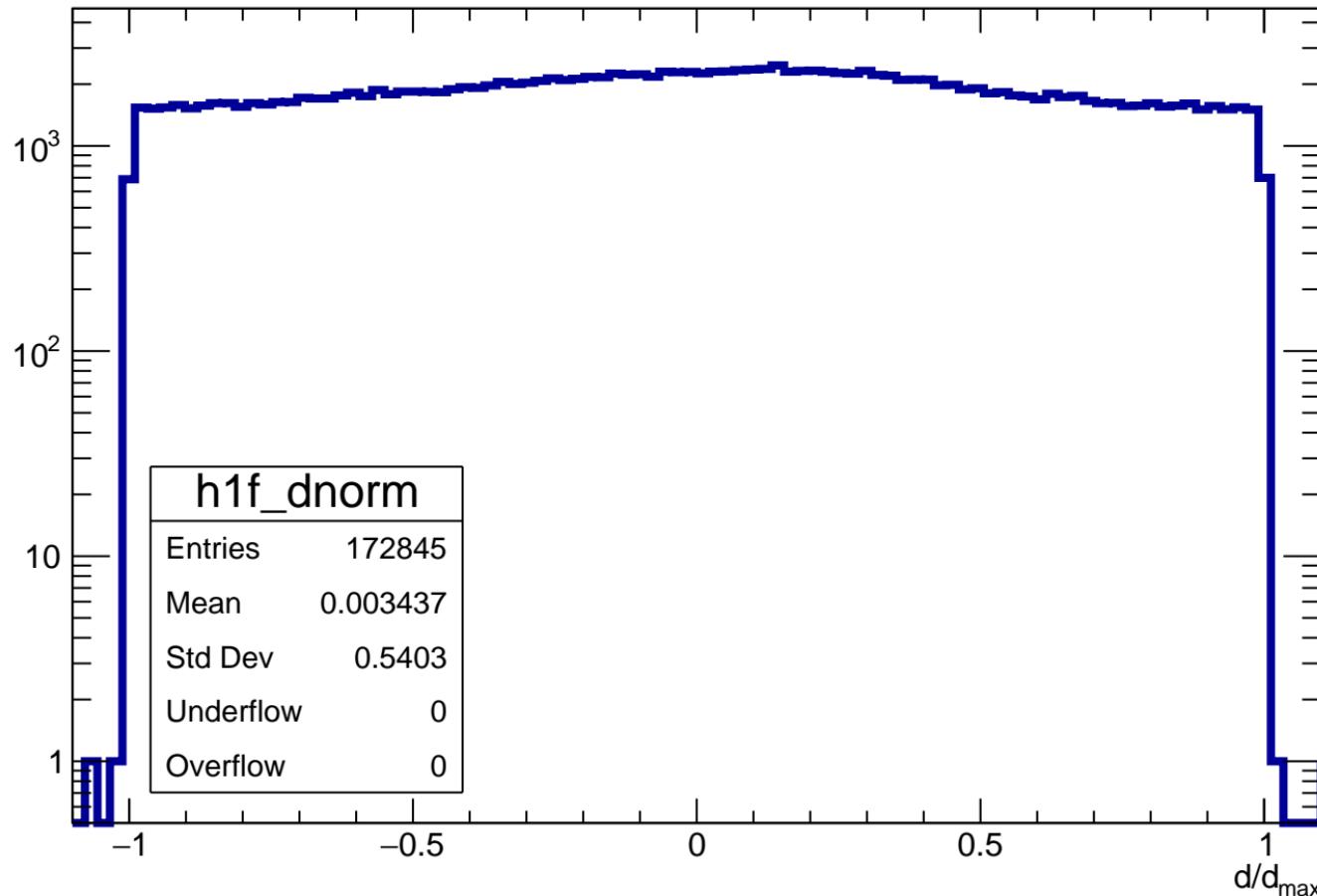


Length in pad normalized to maximum length in pad for a given ϕ

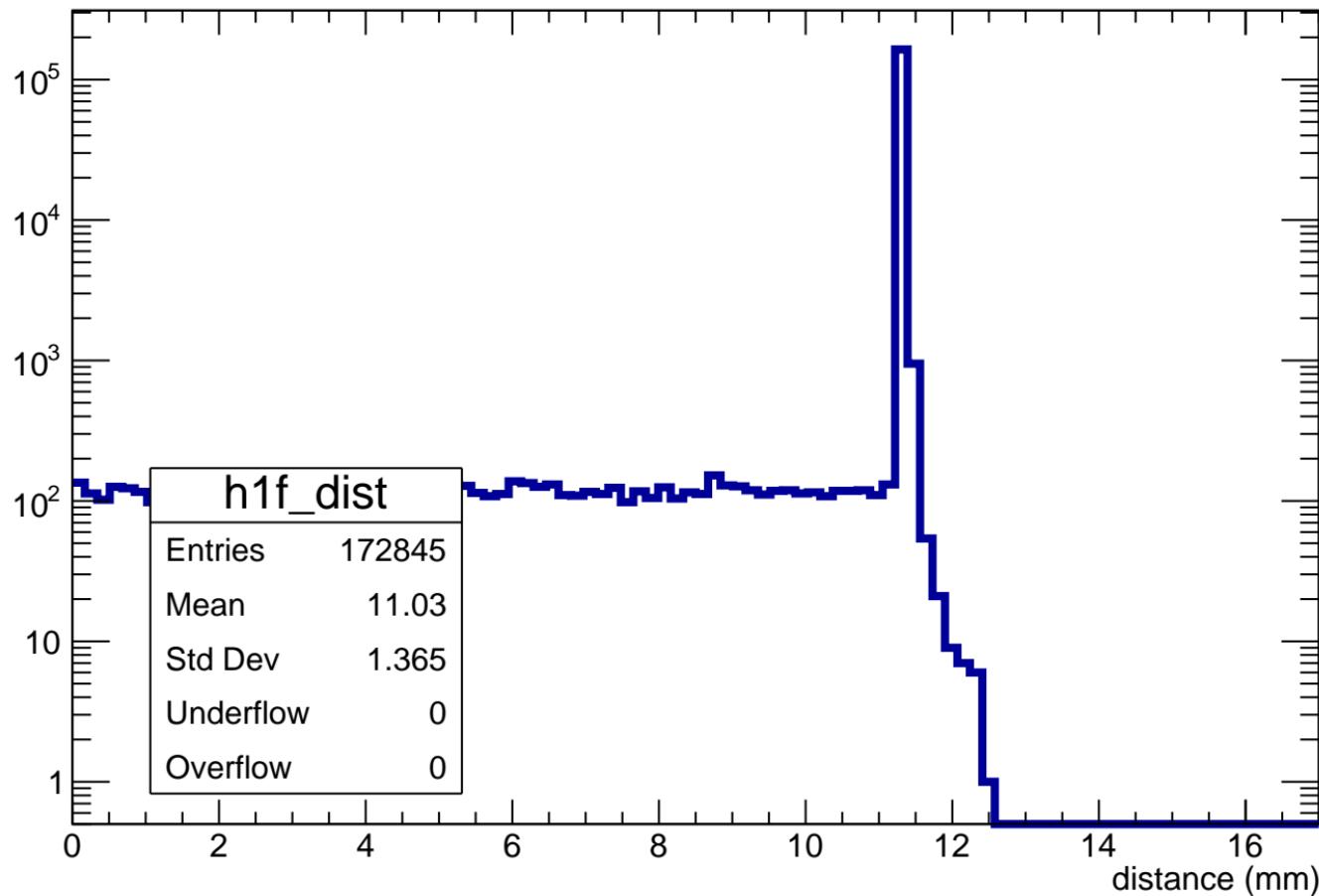
Count



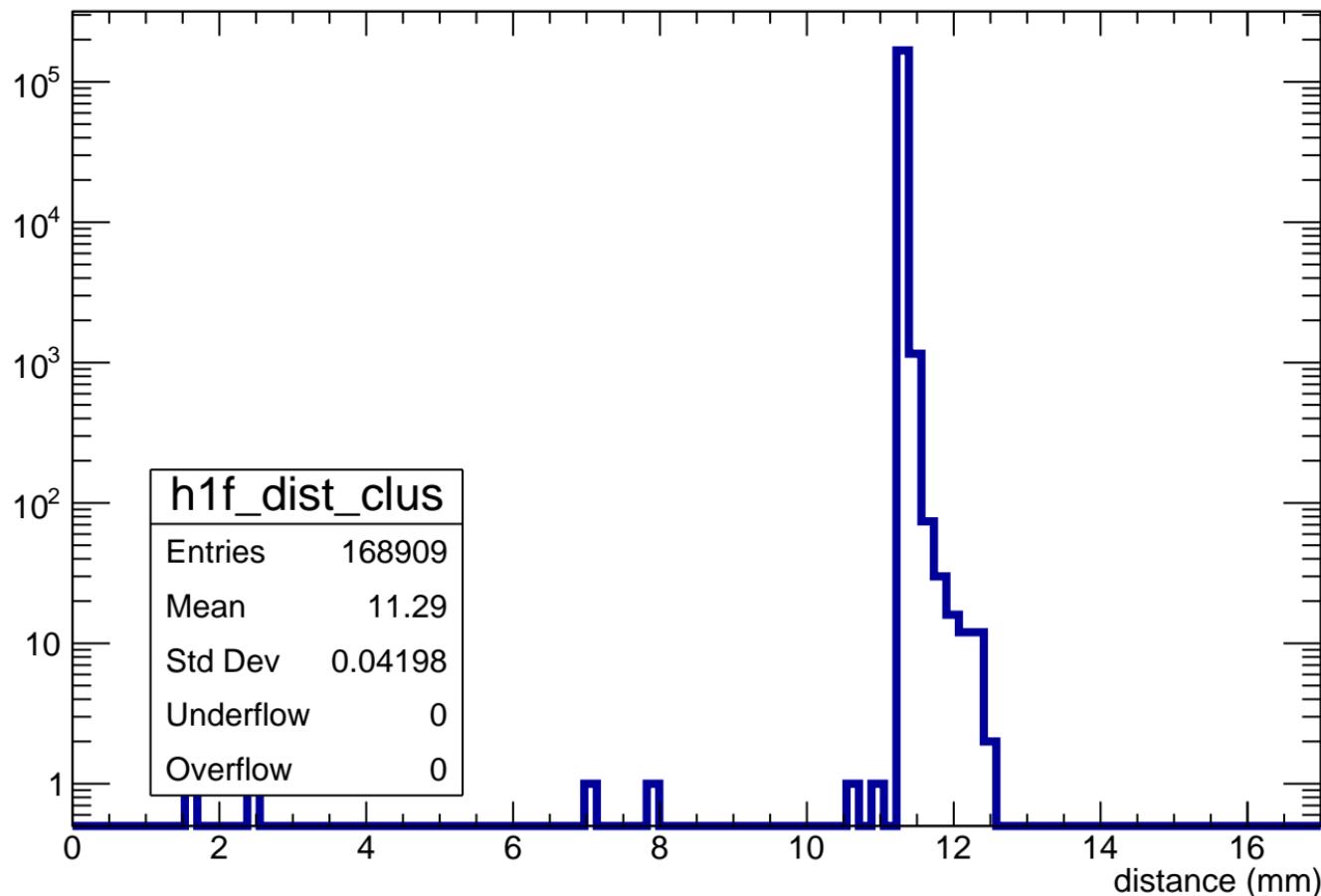
Normalized impact parameter d/d_{\max}



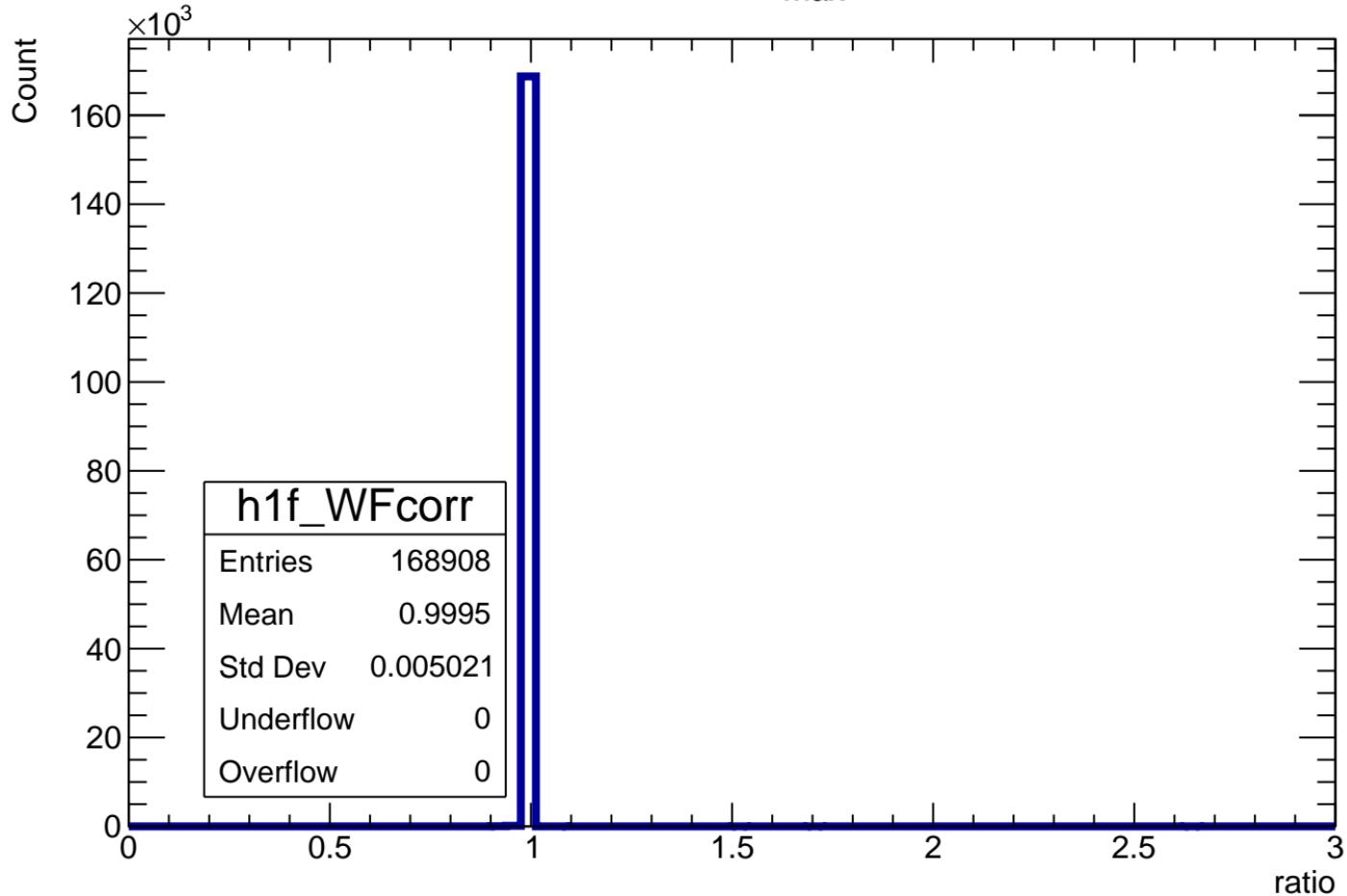
distance of track in pad



distance of track in cluster



Correction A_{max} ratio



$L_{\text{ERAM}} * 0.7 - \sum L_{\text{clus} > 2\text{mm}}$

Count

5000

4000

3000

2000

1000

0

-40

-20

0

20

40

60

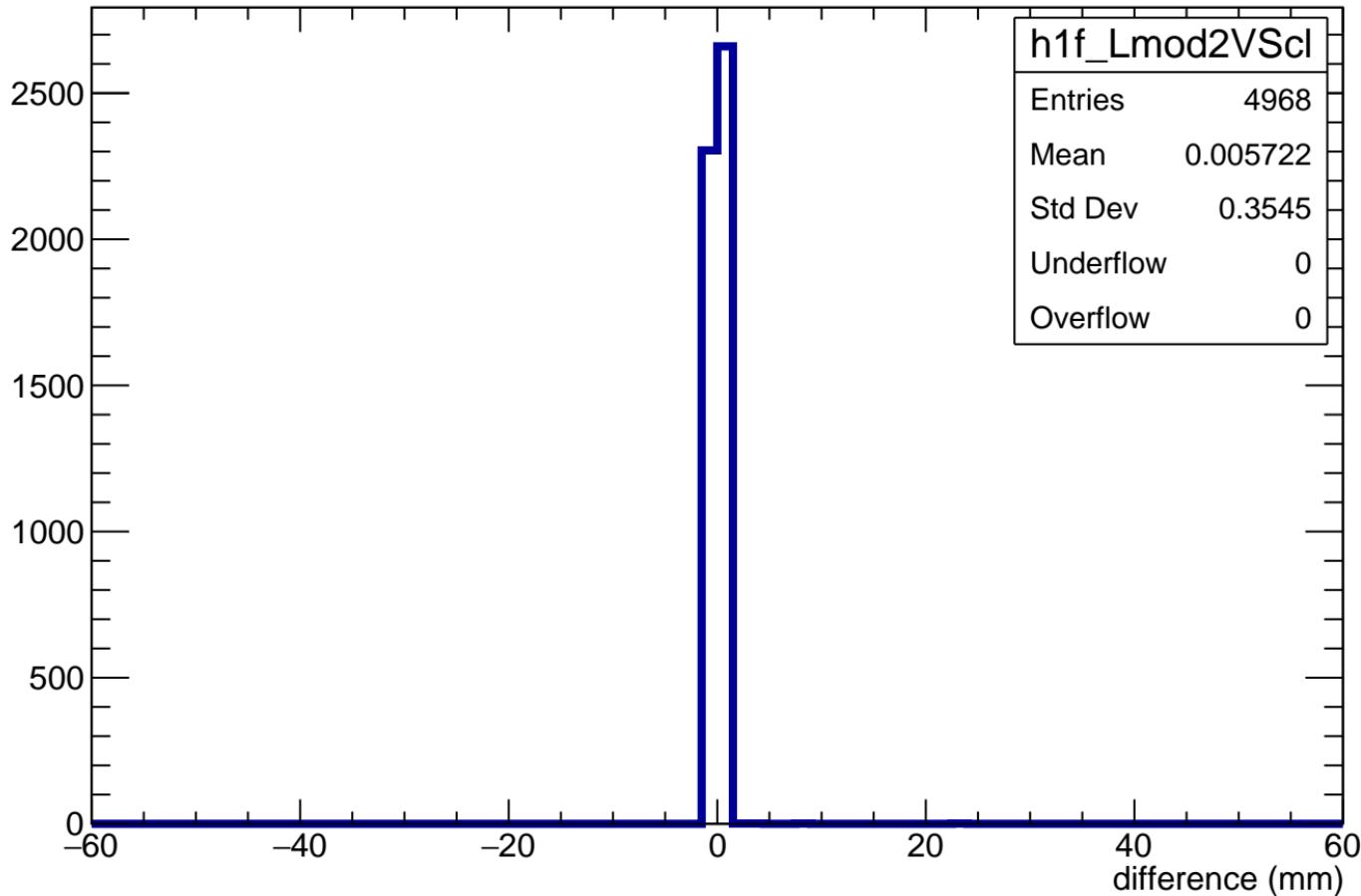
difference (mm)

-

h1f_Lmod1VScI	
Entries	4968
Mean	9.032
Std Dev	0.332
Underflow	0
Overflow	0

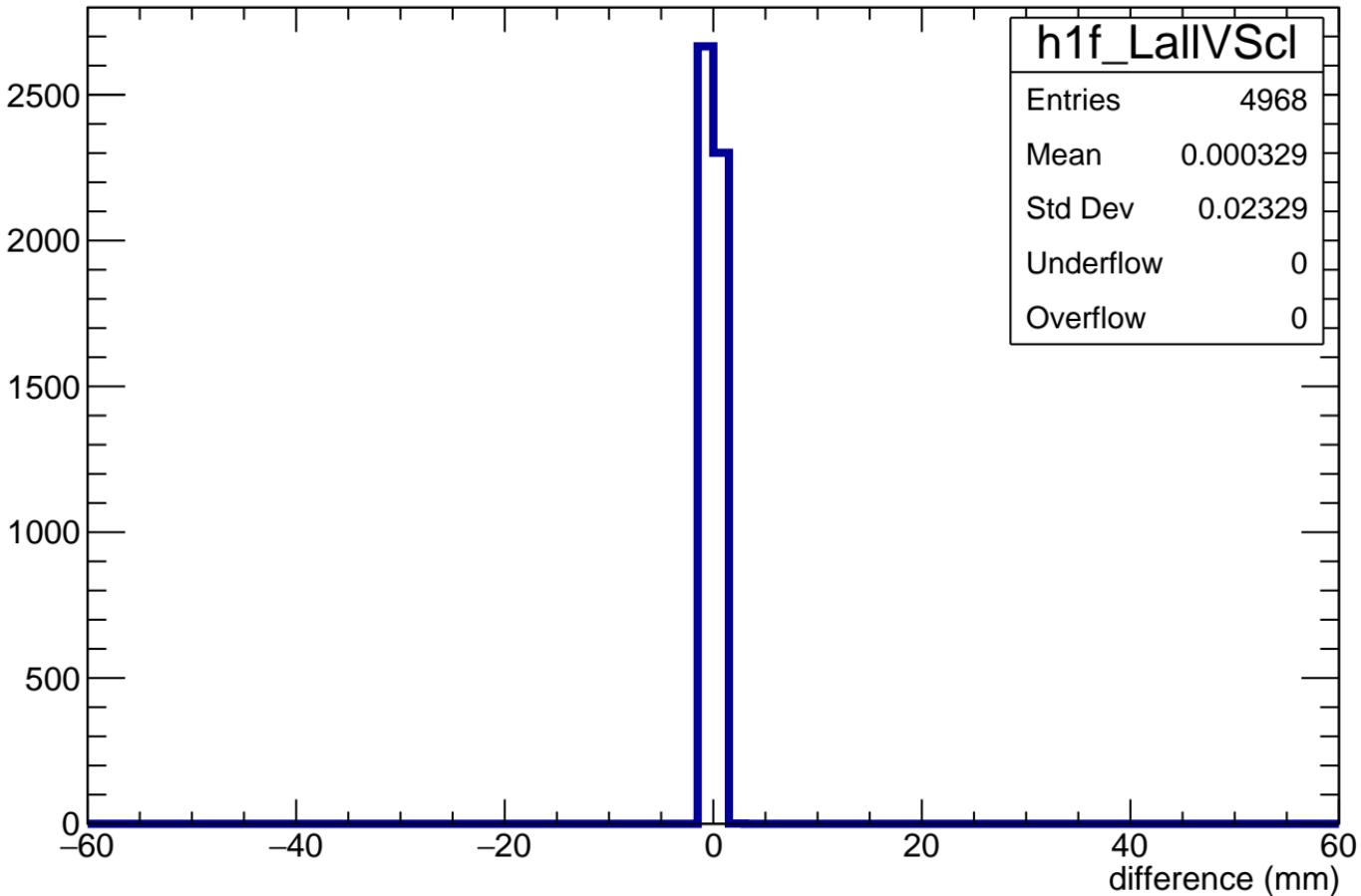
$$L_{\text{ERAM}} * (N_{\text{trunc cross}} / N_{\text{clus cross} > 2\text{mm}}) - \sum L_{\text{clus} > 2\text{mm}}$$

Count

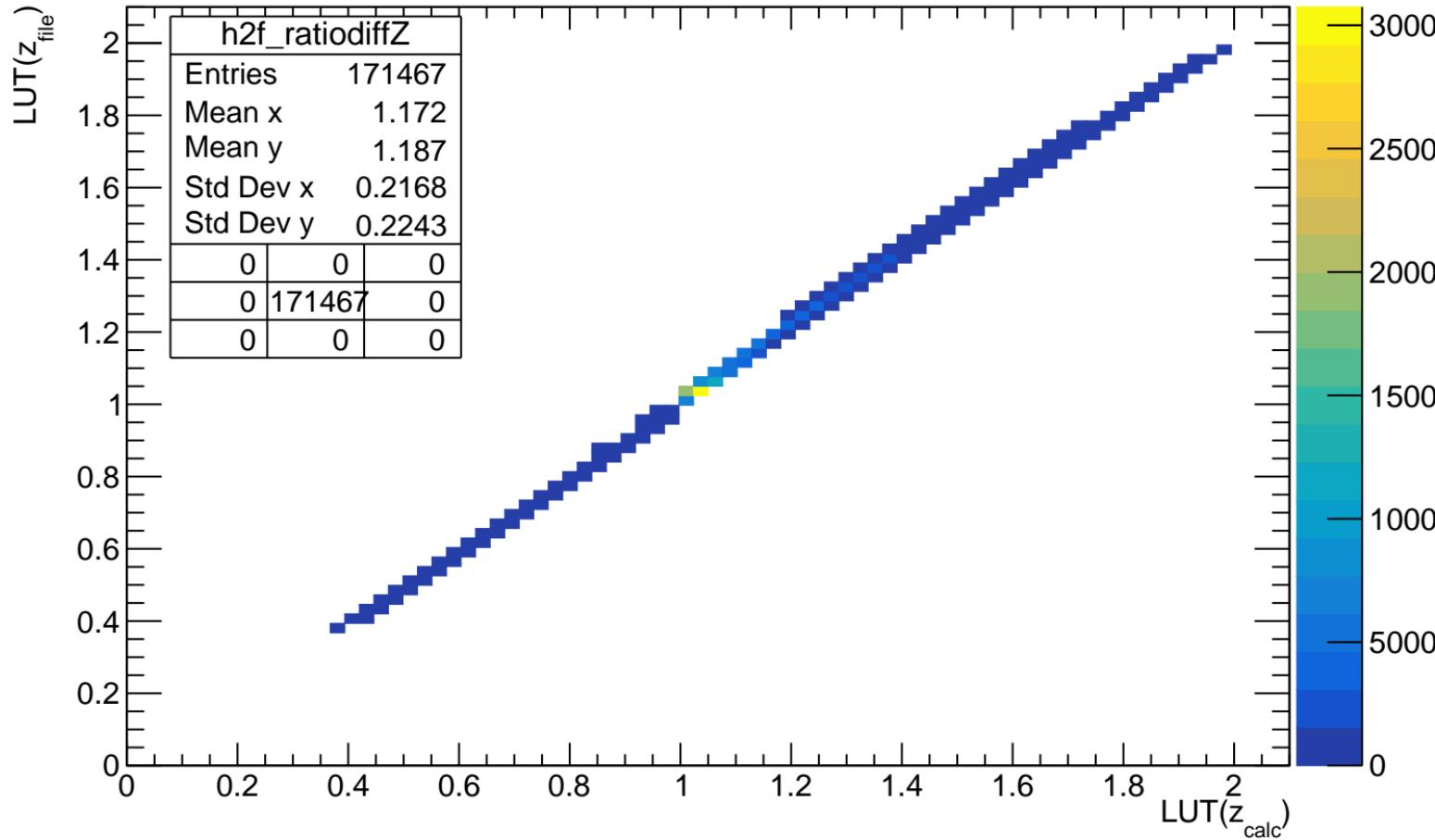


$L_{\text{clusters}} - L_{\text{clusters} > 2\text{mm}}$

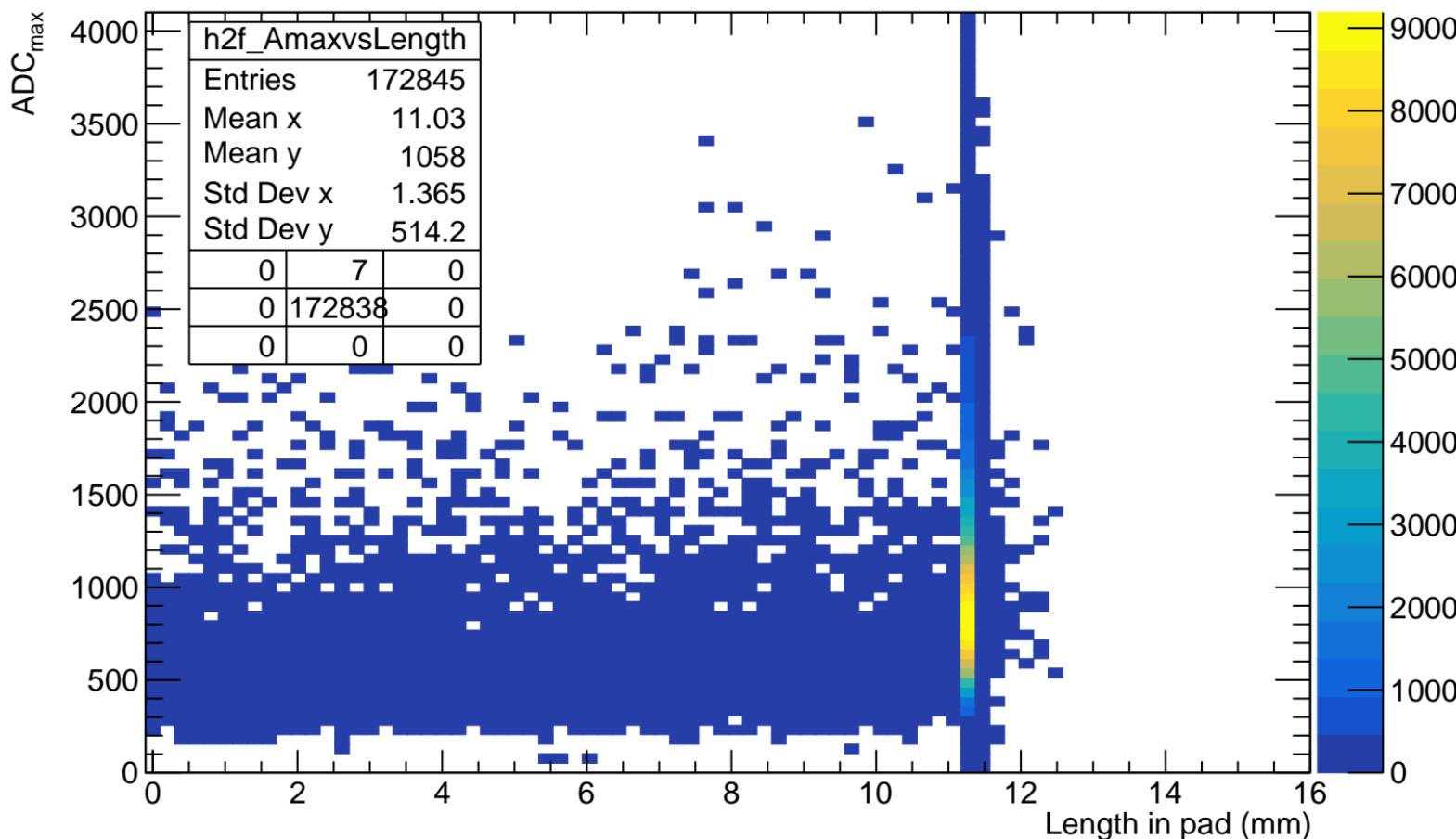
Count



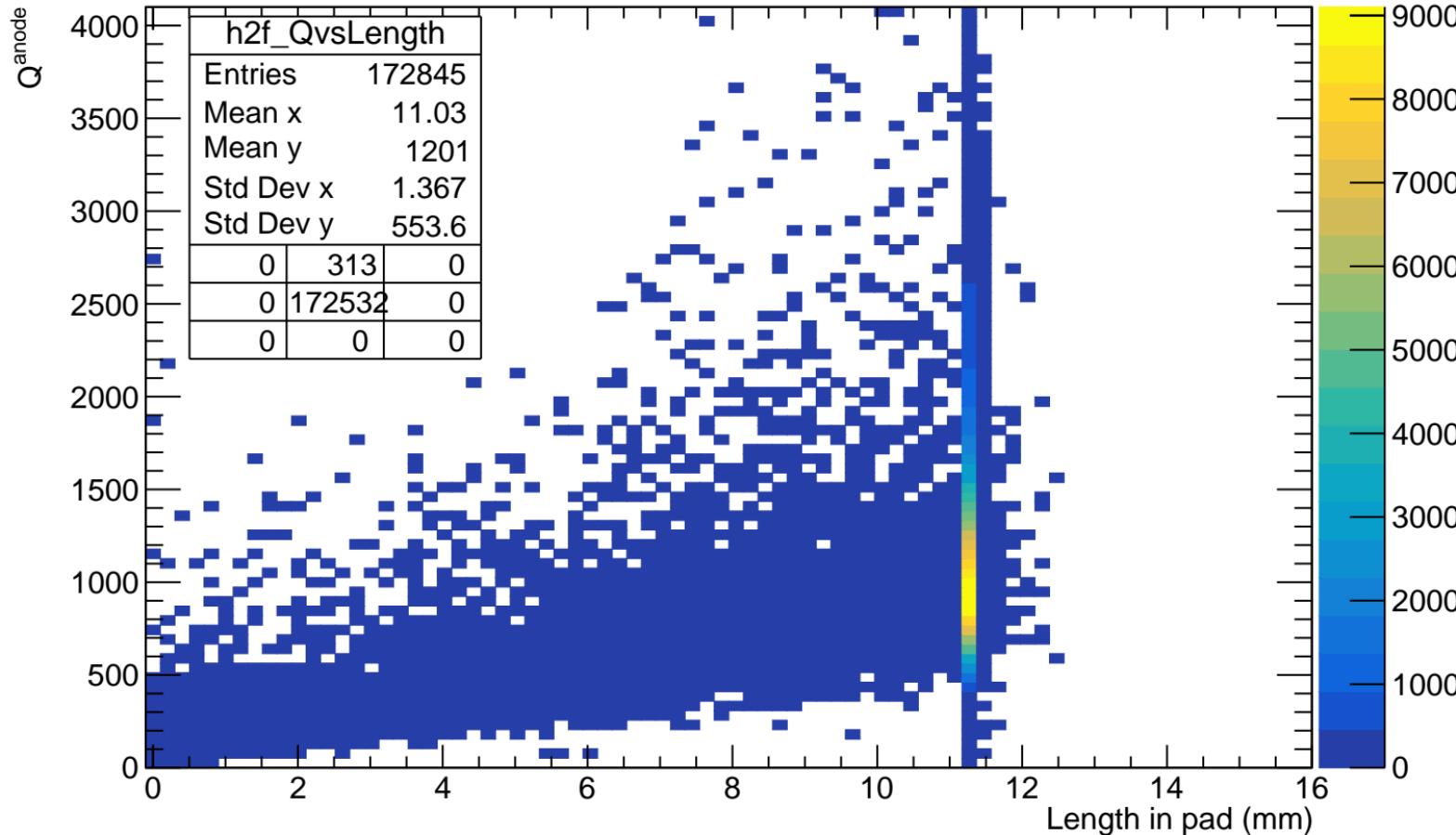
LUT(z_{file}) vs LUT(z_{calc})



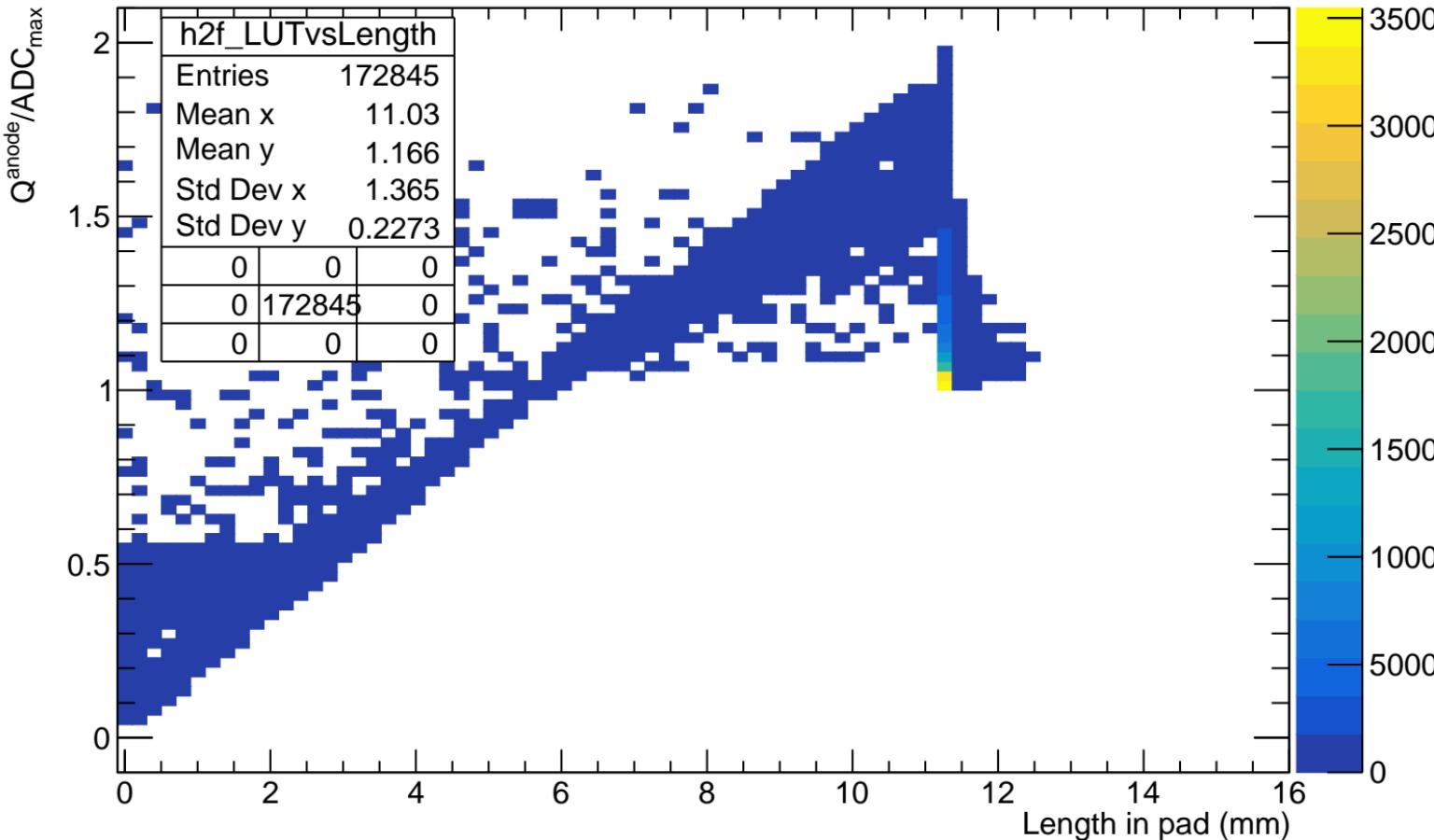
ADC_{max} VS length in pad (before length cut)



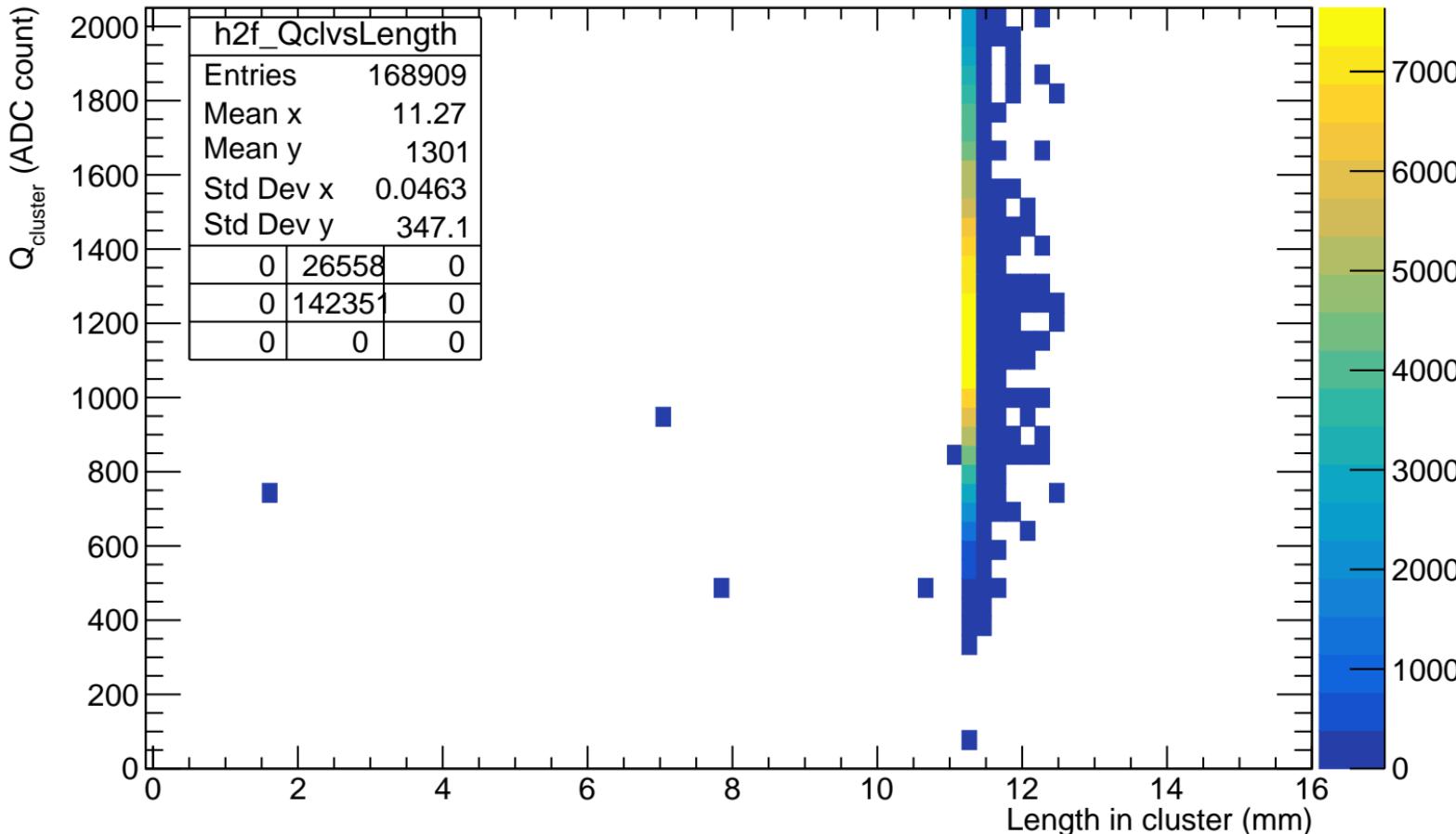
Q^{anode} VS length in pad (before length cut)



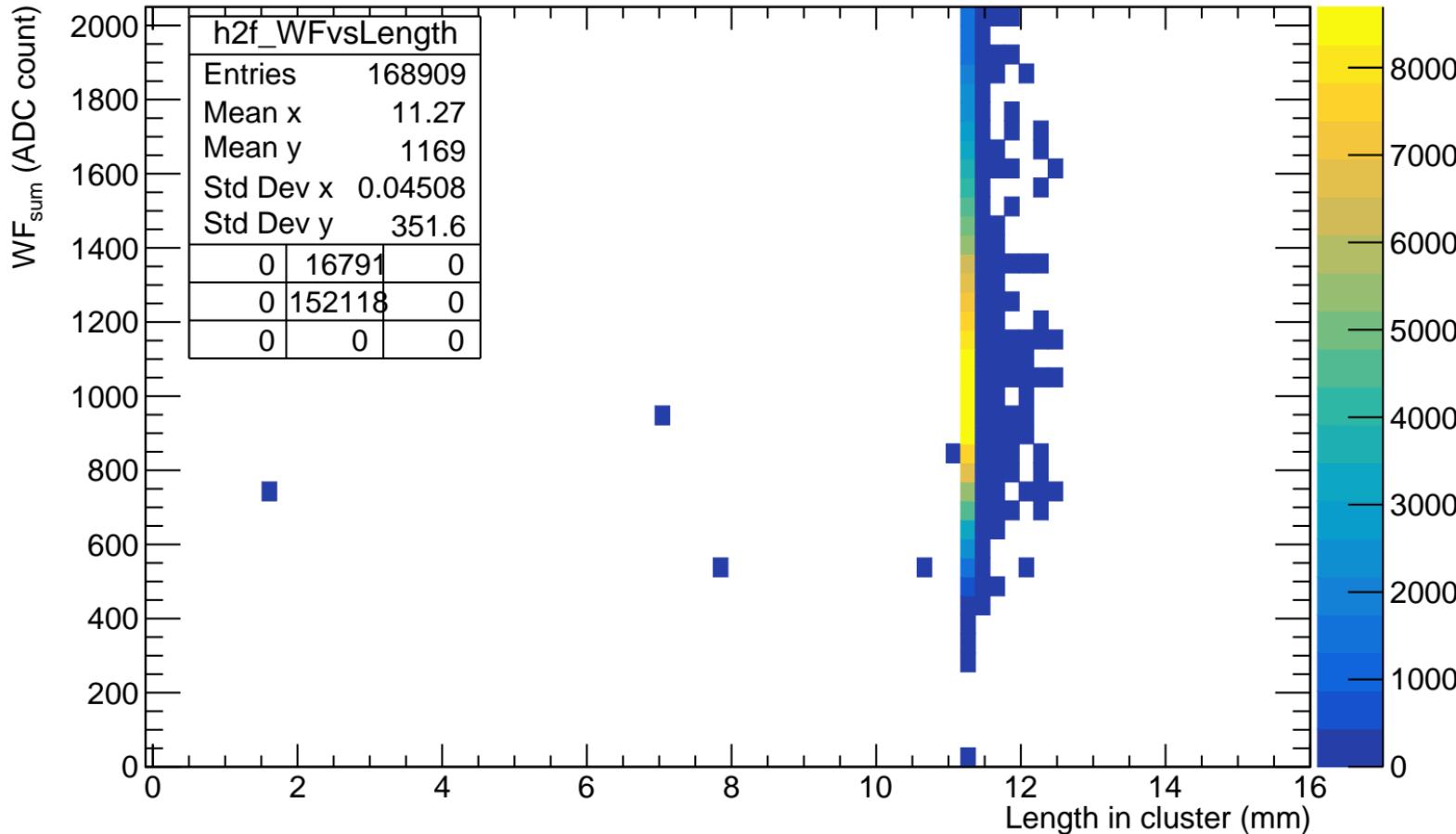
$Q^{\text{anode}}/\text{ADC}_{\max}$ VS length in pad (before length cut)



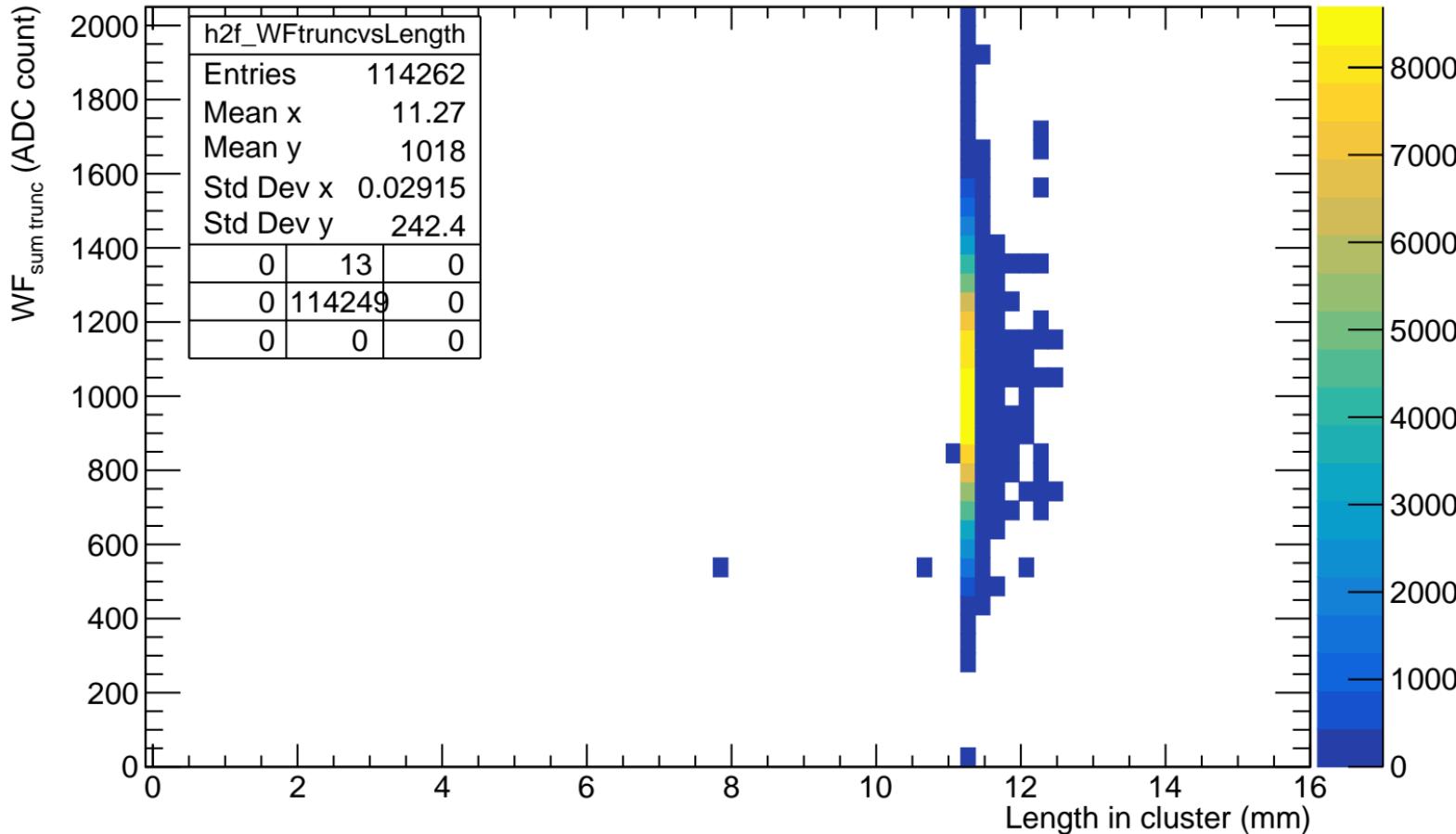
Q_{cluster} VS length in cluster



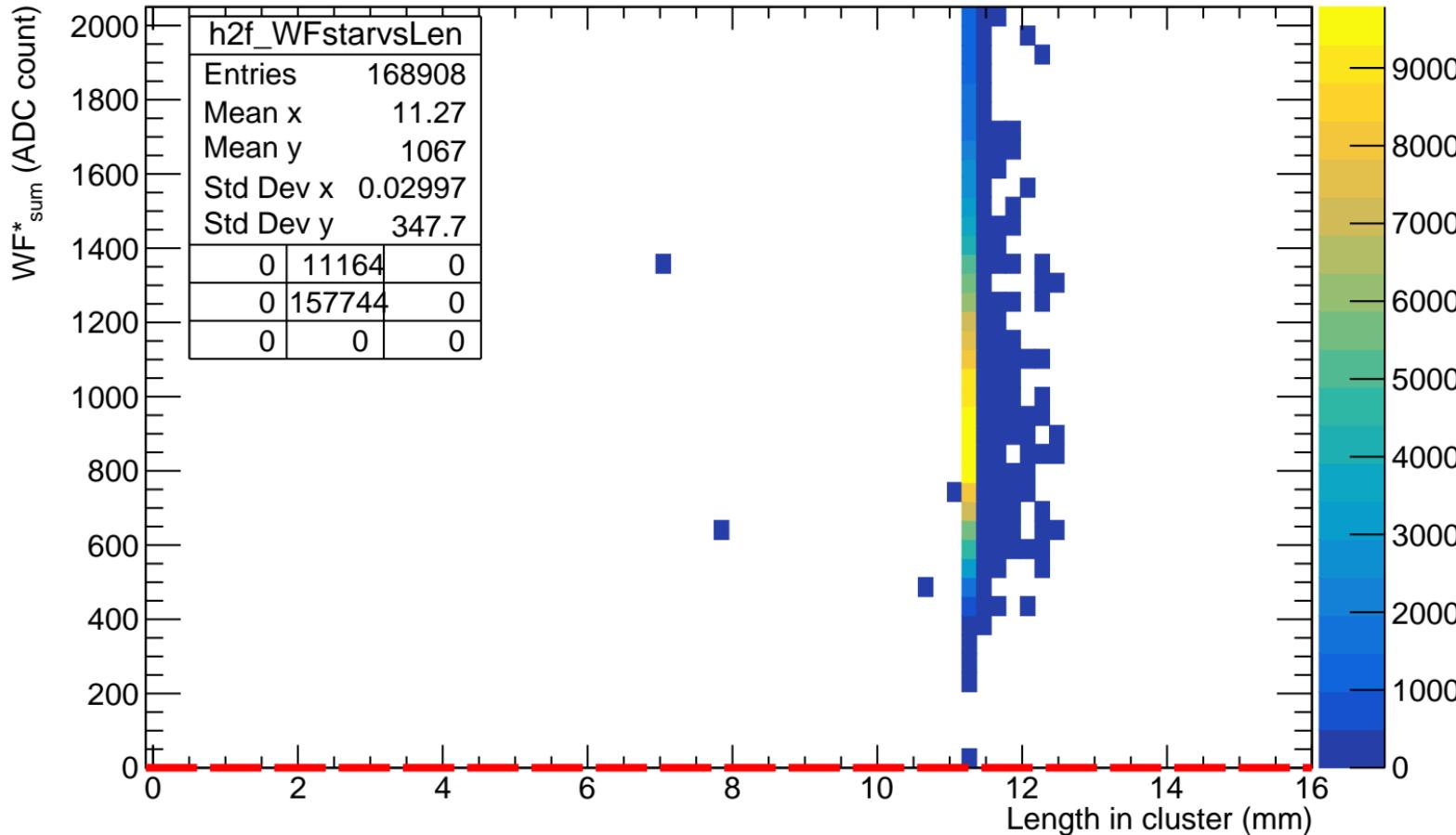
WF_{sum} VS length in cluster



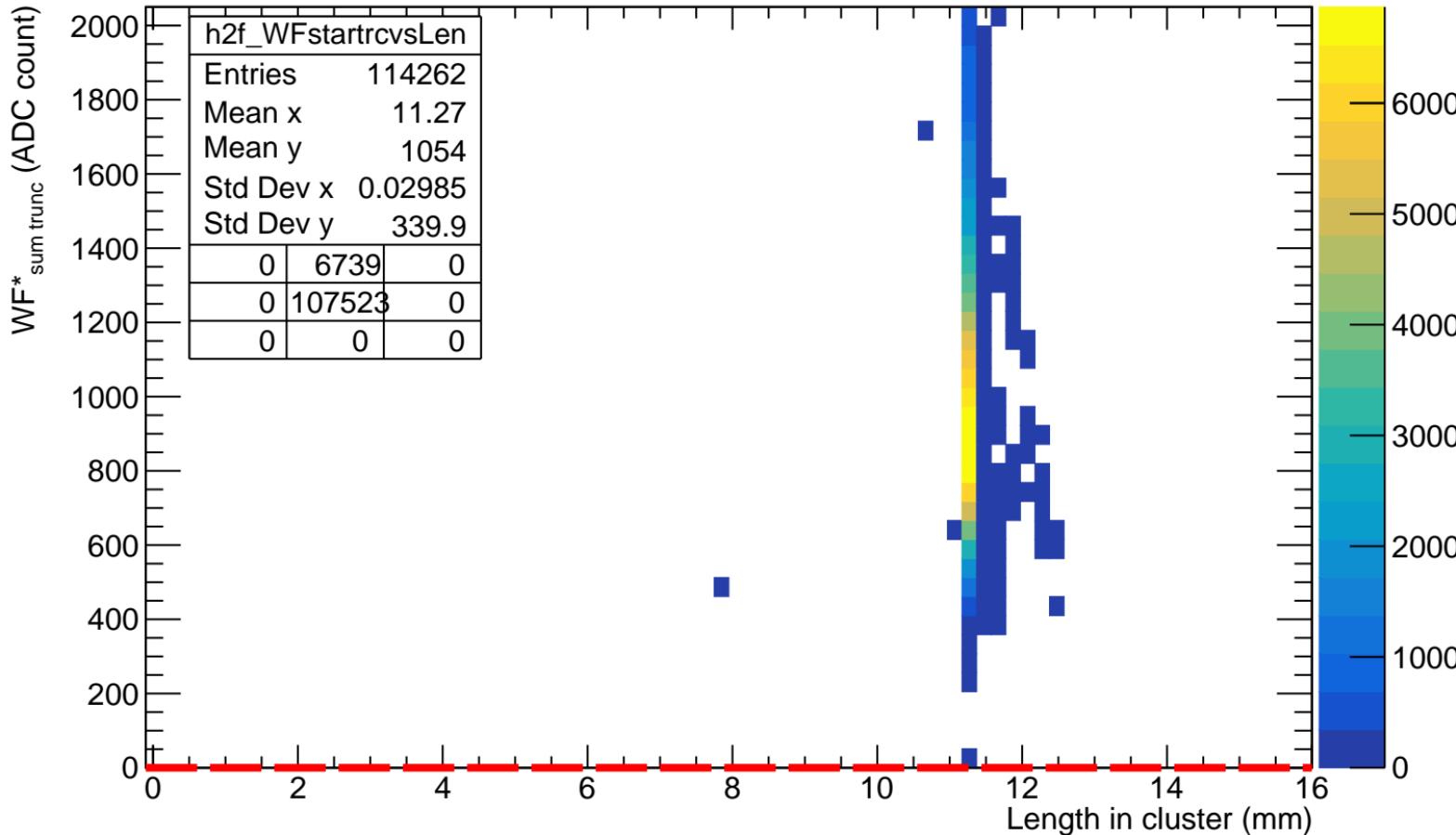
WF_{sum} truncated VS length in cluster

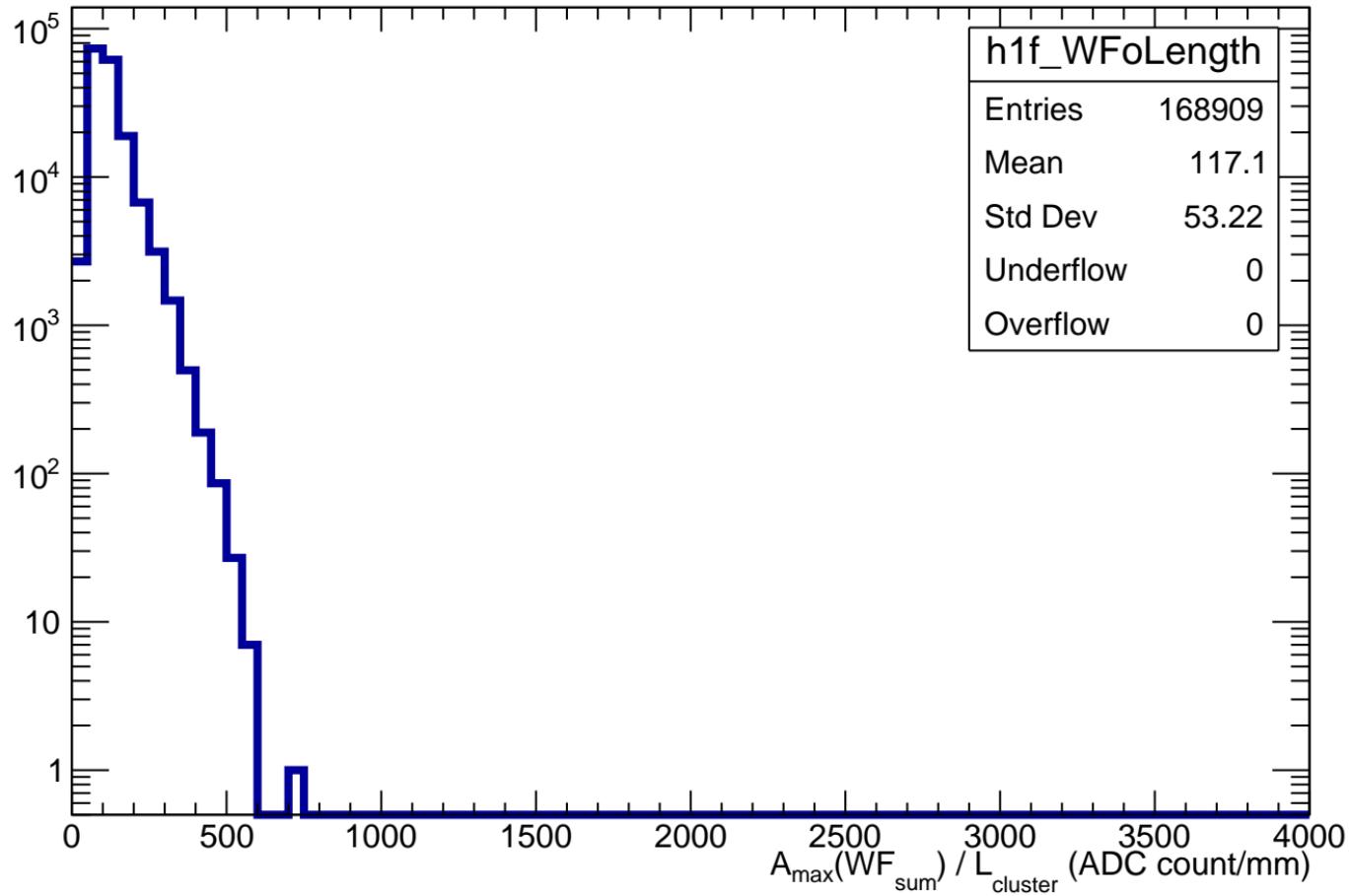


WF^{*}_{sum} VS length in cluster



WF*_{sum truncated} VS length in cluster



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

impact parameter d vs length in pad

