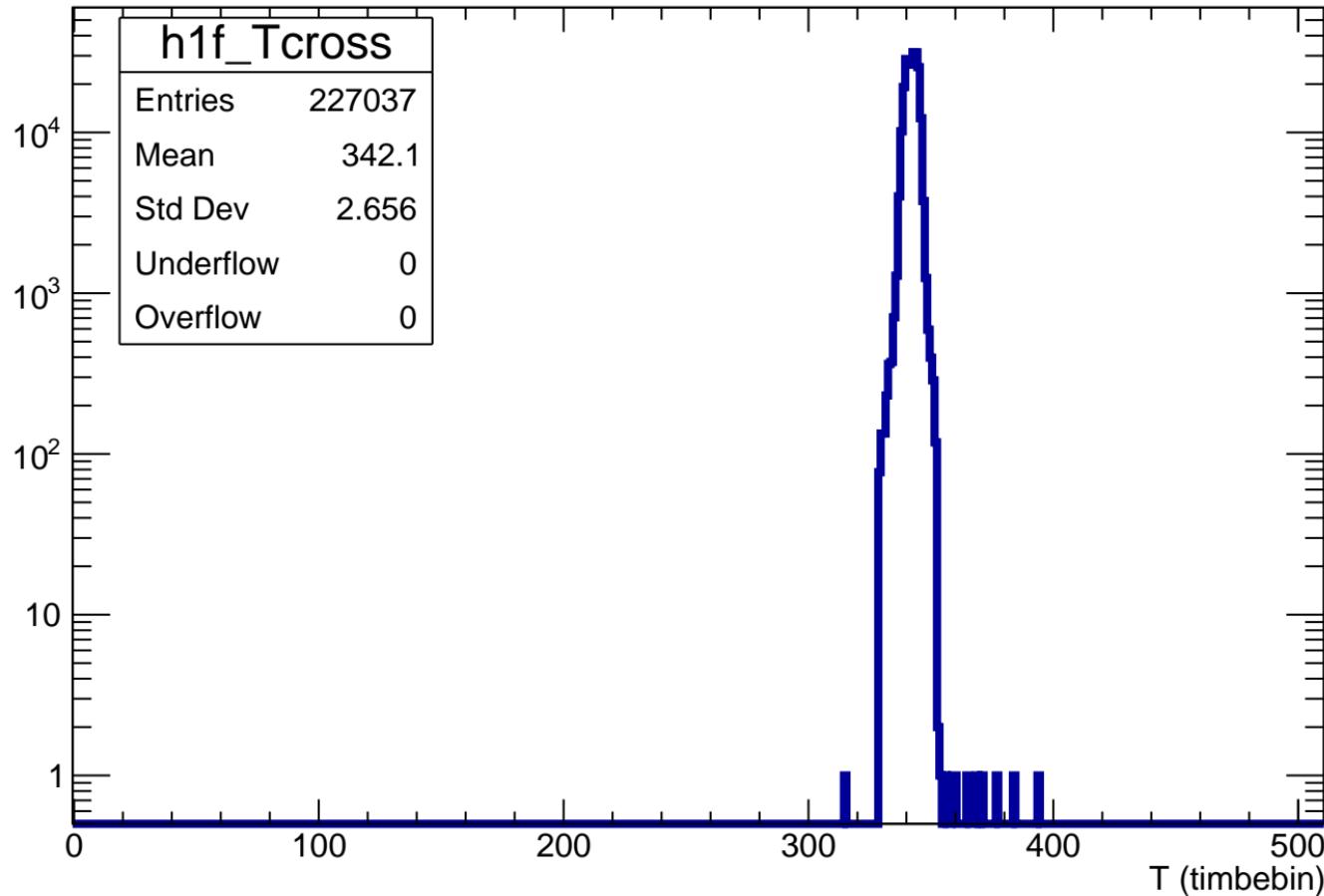
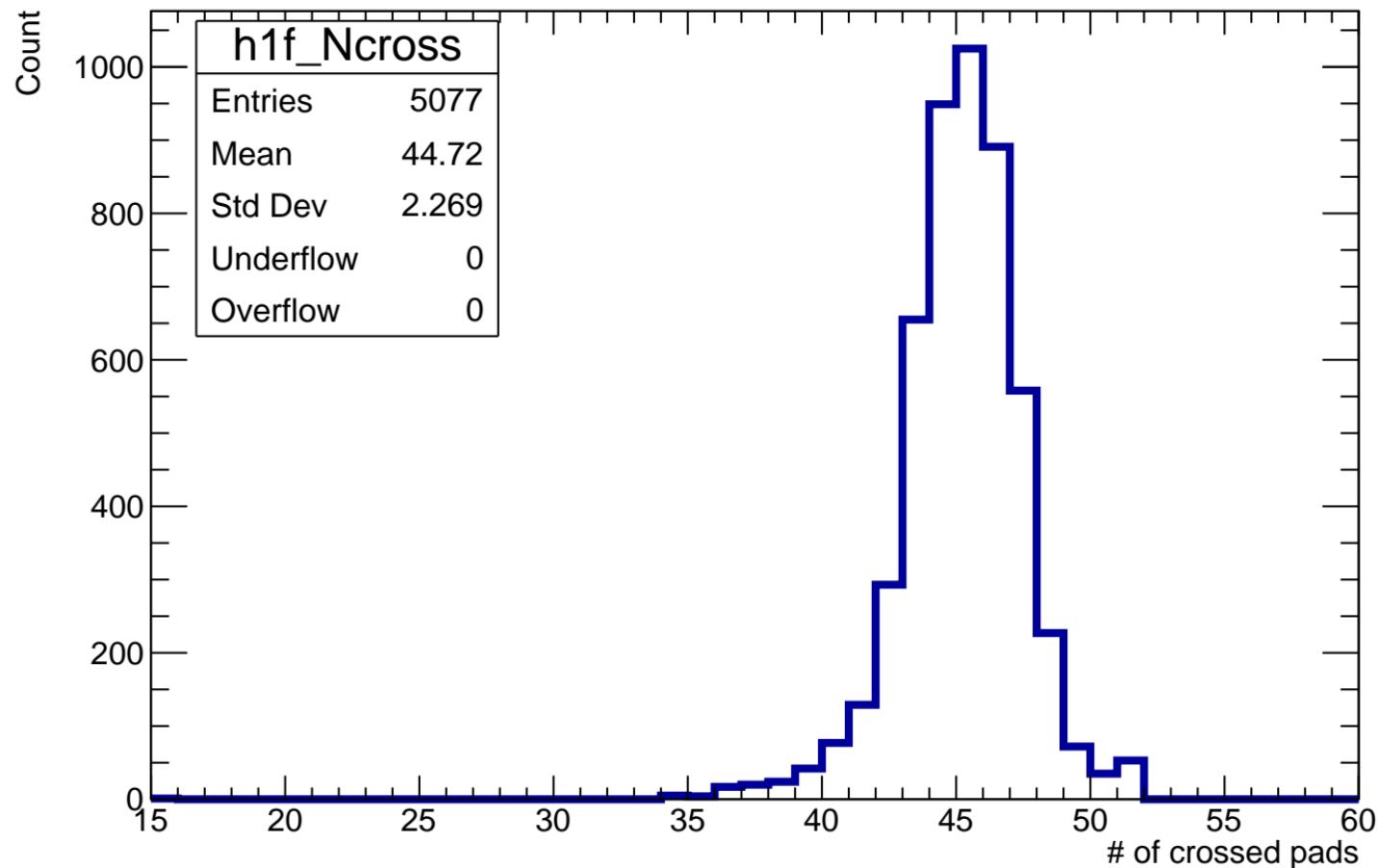


# $T_{\max}$ of crossed pads

Count

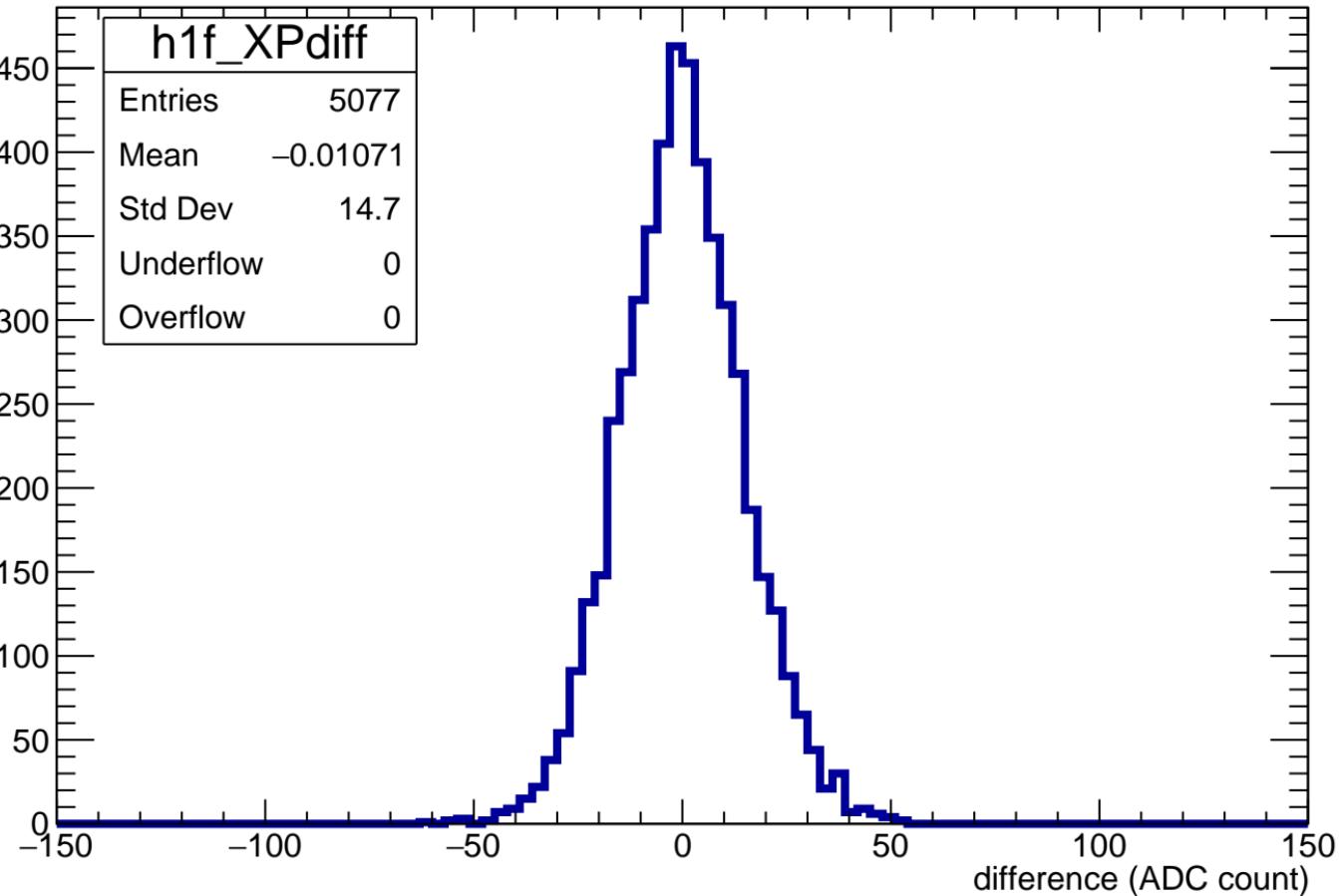


# Number of crossed pads



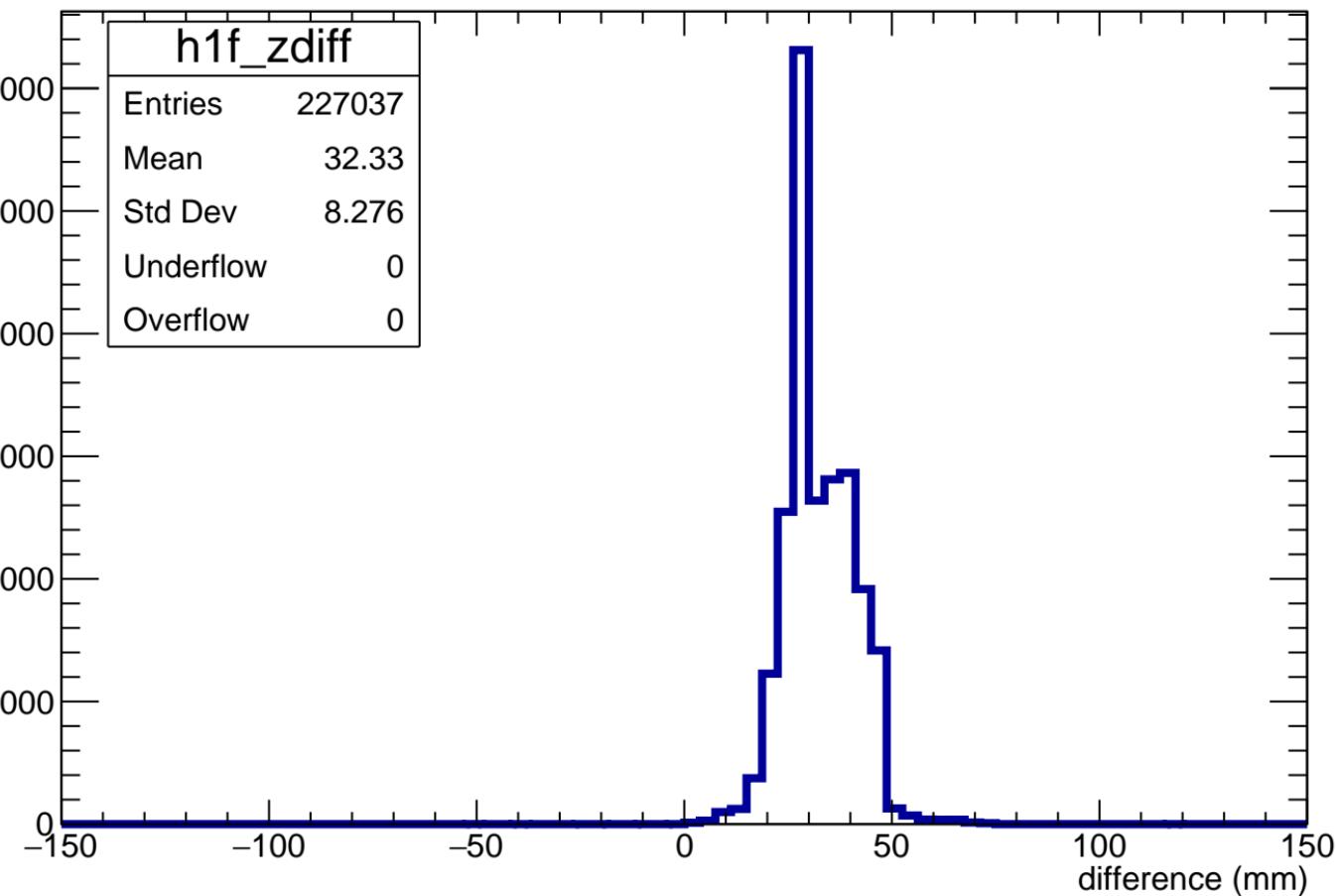
$$\Sigma(Q)/\Sigma(\text{length}) - \text{mean}\{Q/\text{length}\}$$

Count

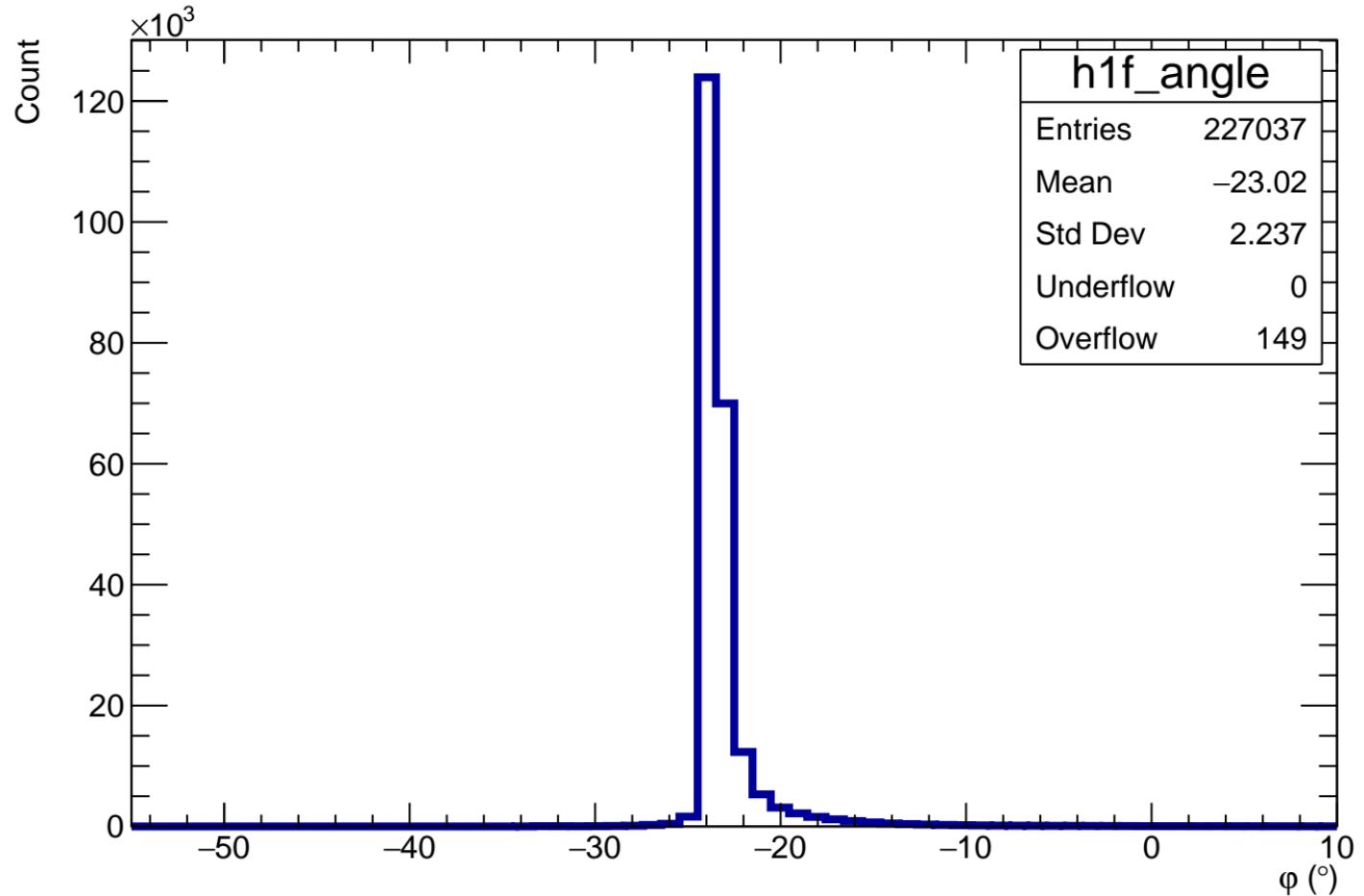


$Z_{\text{file}} = 950\text{mm} - Z_{\text{computed}}$ 

Count

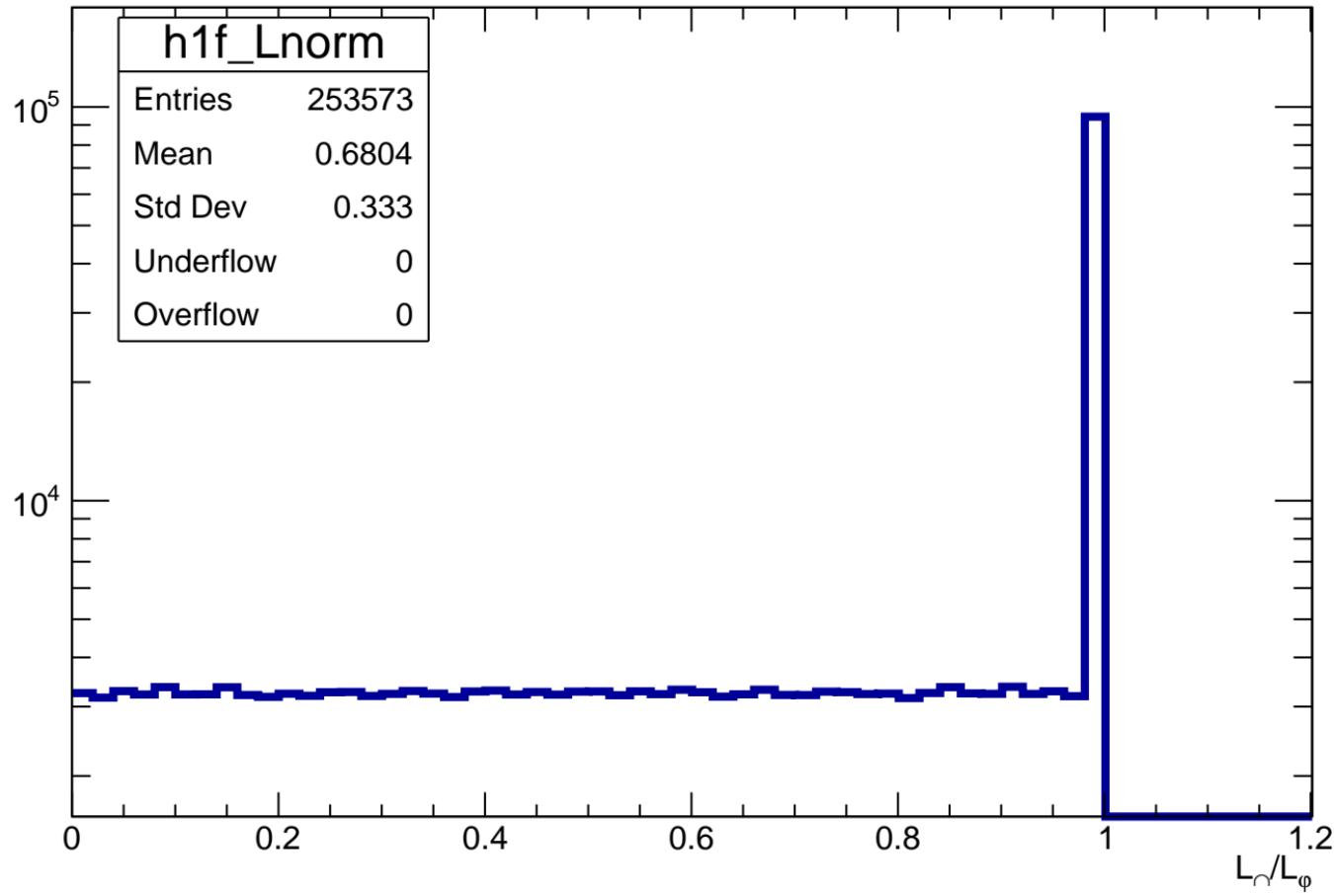


# Angle $\varphi$ in each pad

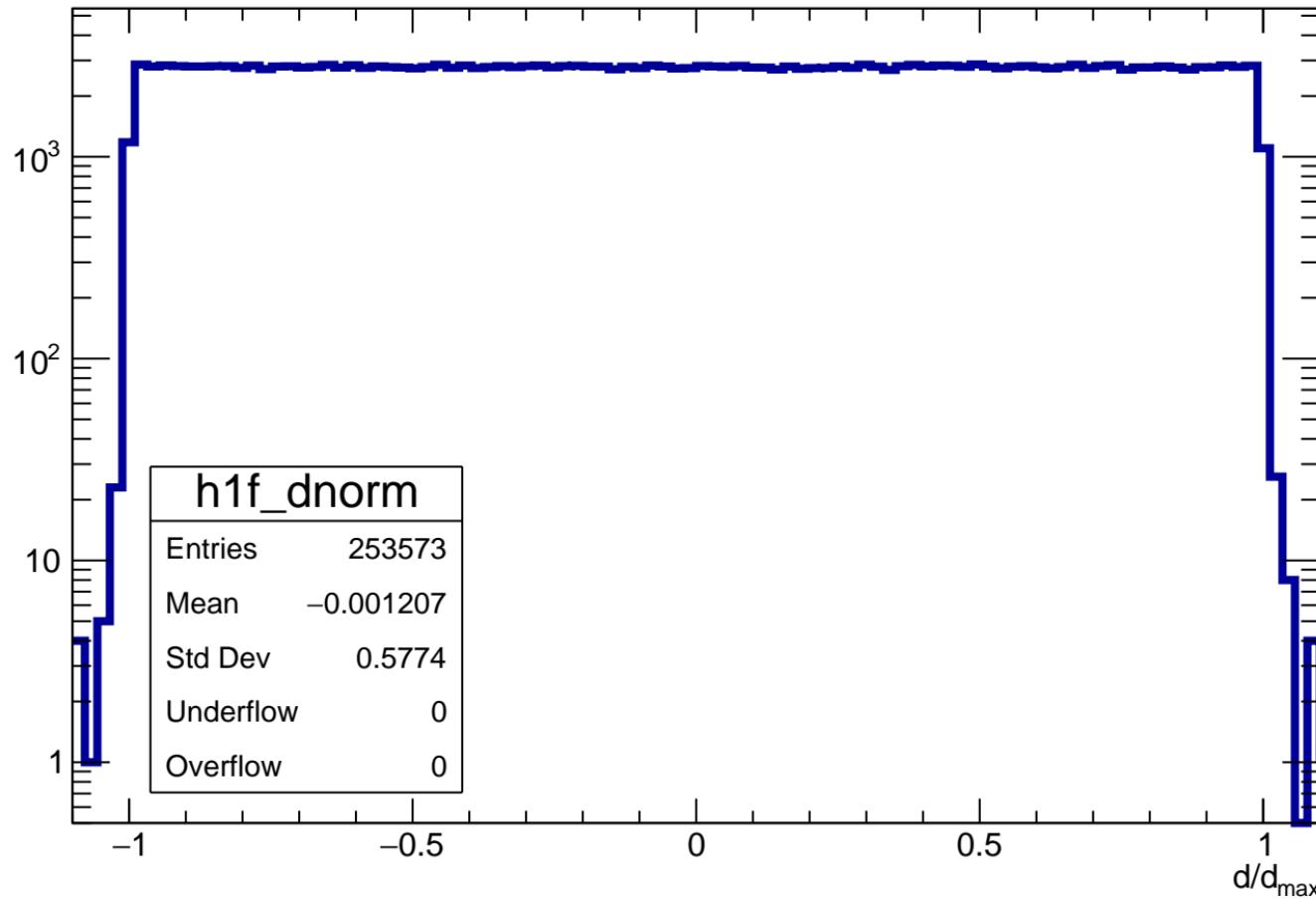


Length in pad normalized to maximum length in pad for a given  $\phi$

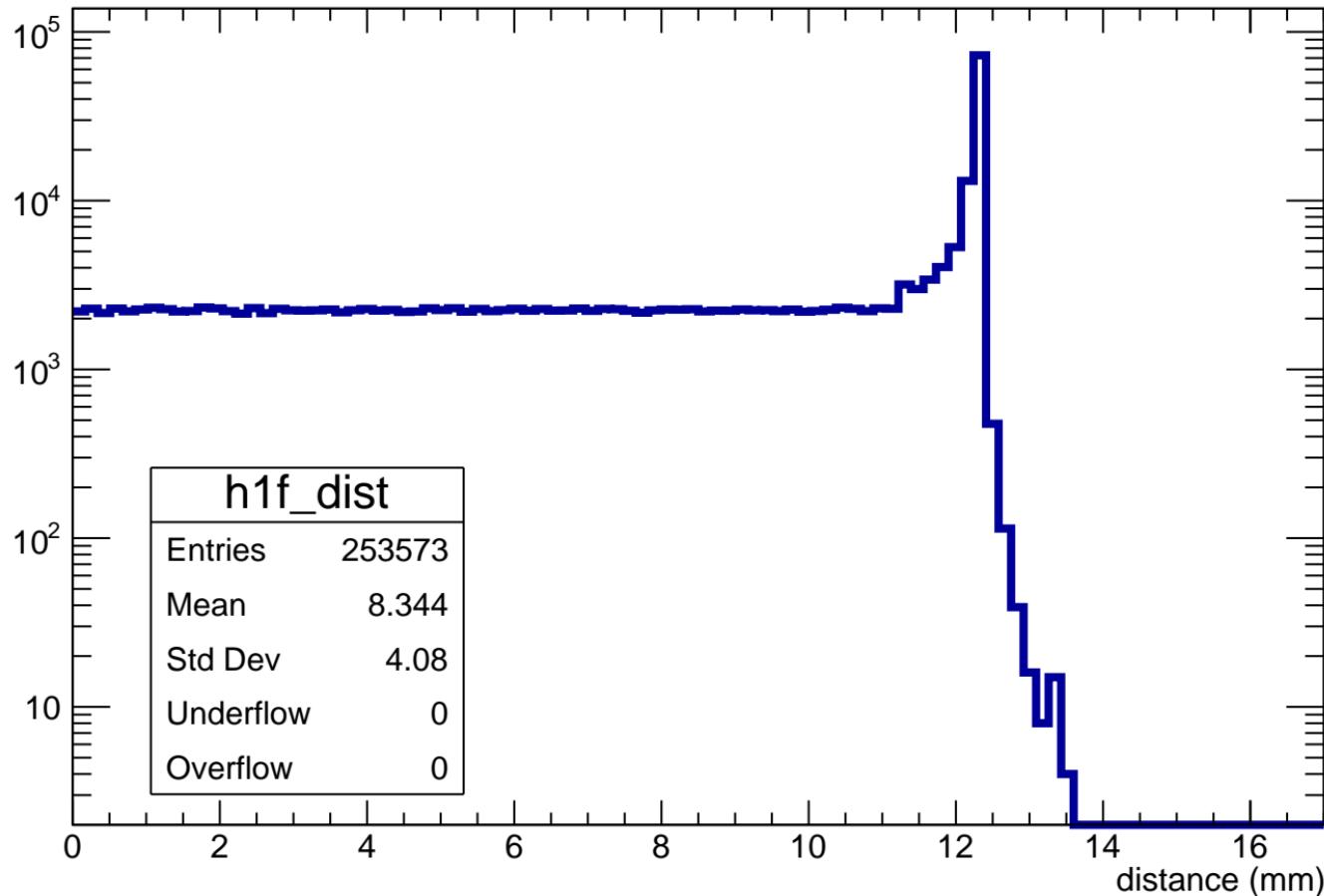
Count



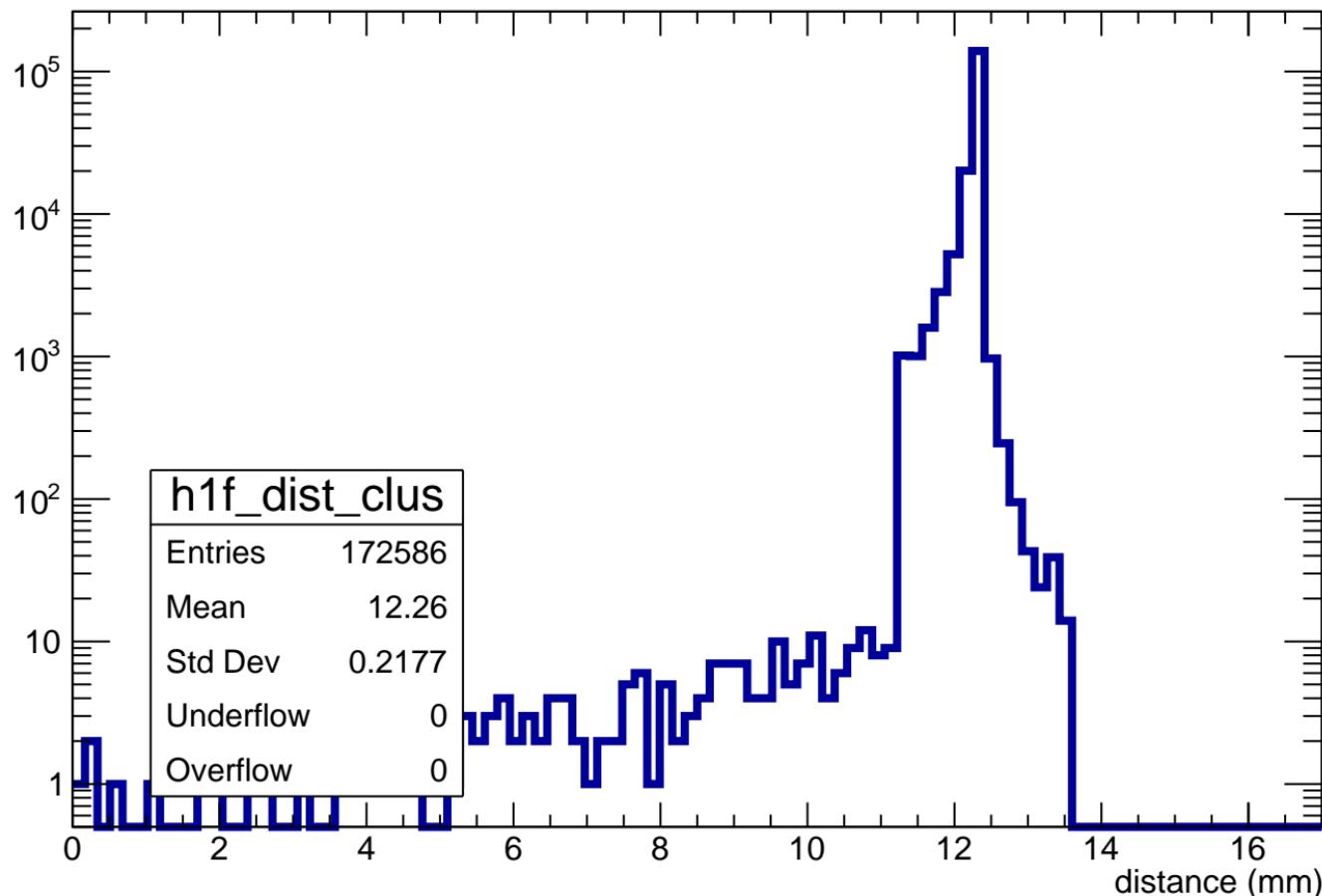
# Normalized impact parameter $d/d_{\max}$



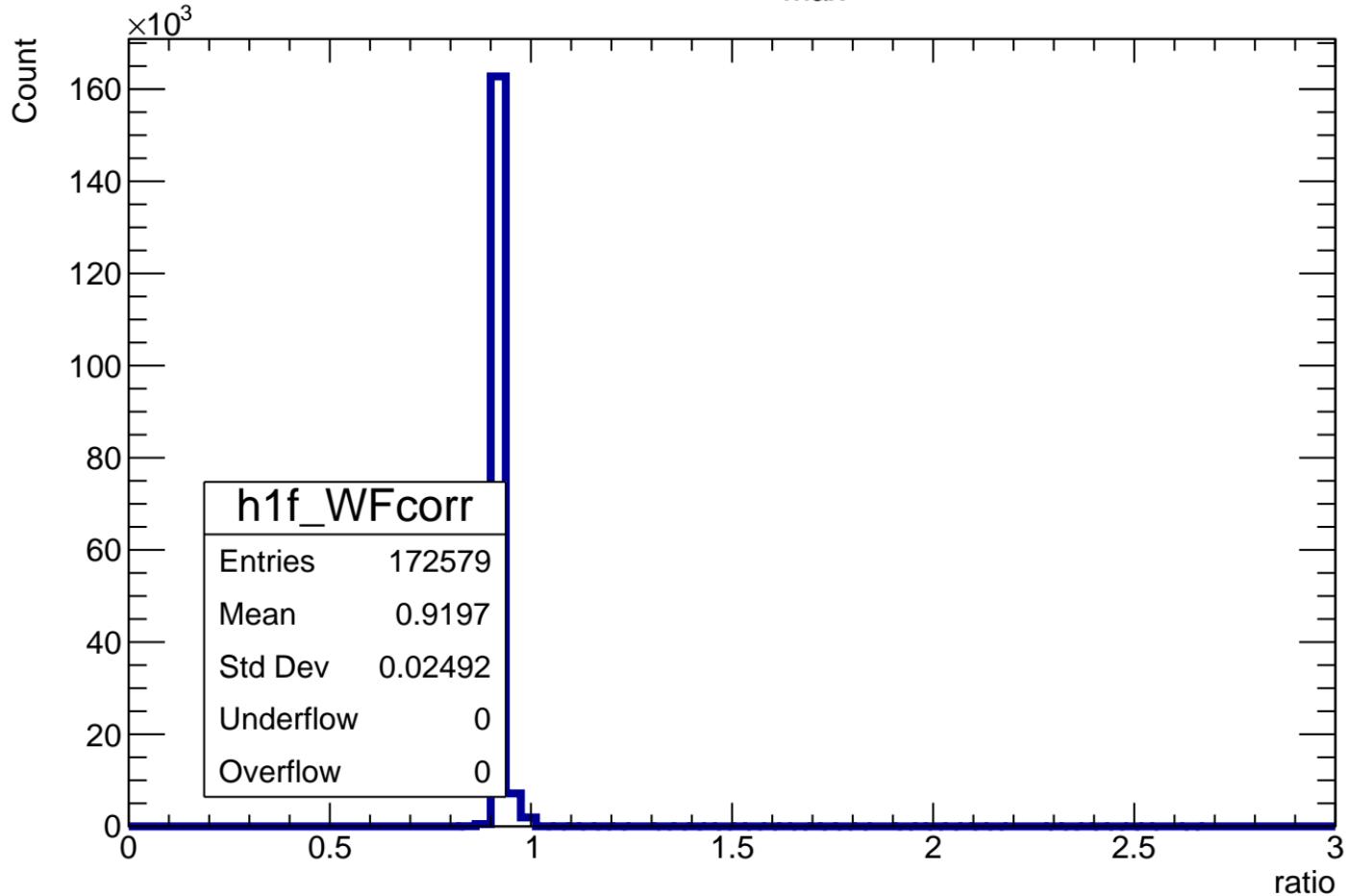
# distance of track in pad



# distance of track in cluster



# Correction A<sub>max</sub> 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 5077

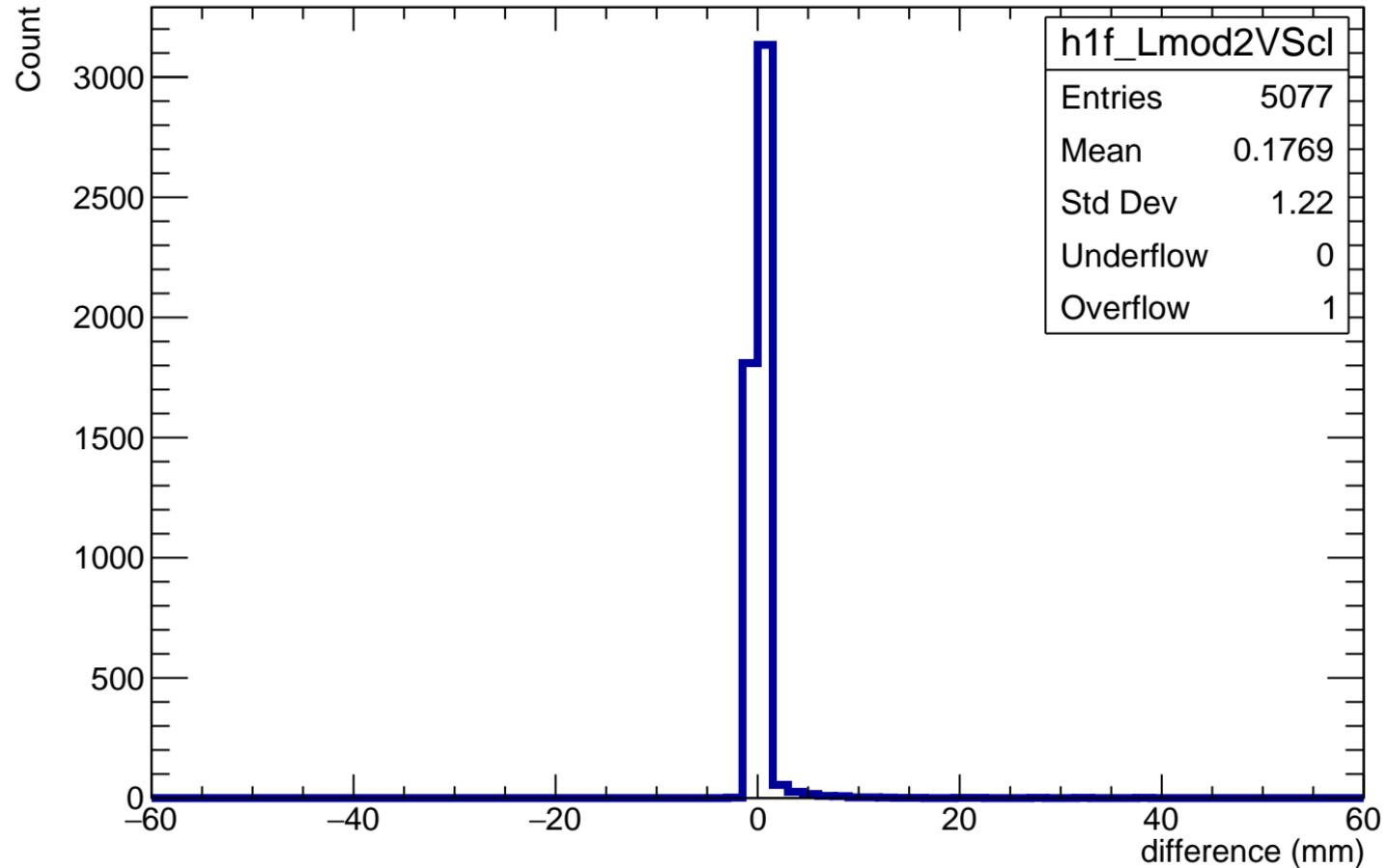
Mean 9.965

Std Dev 1.061

Underflow 0

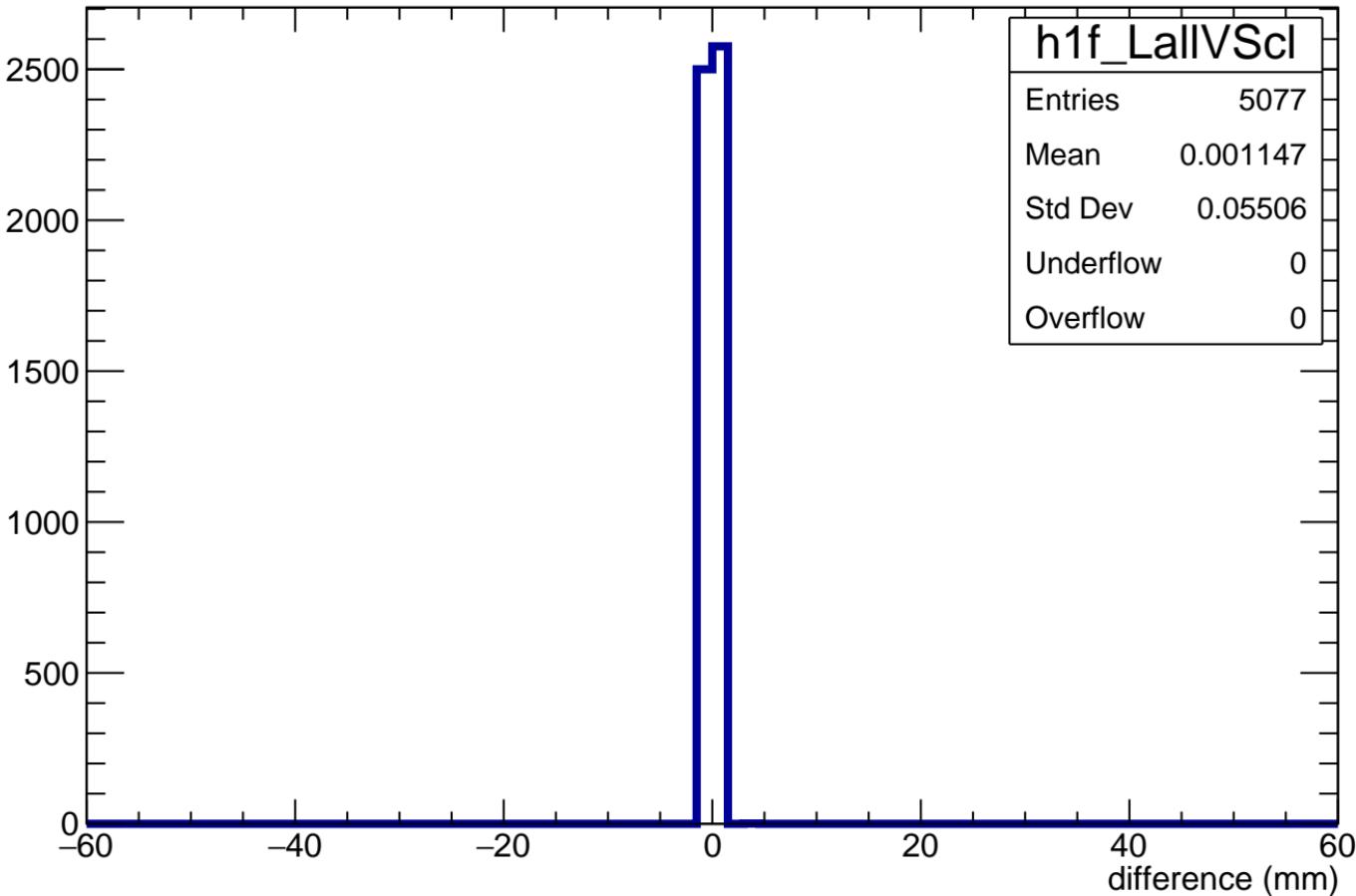
Overflow 1

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

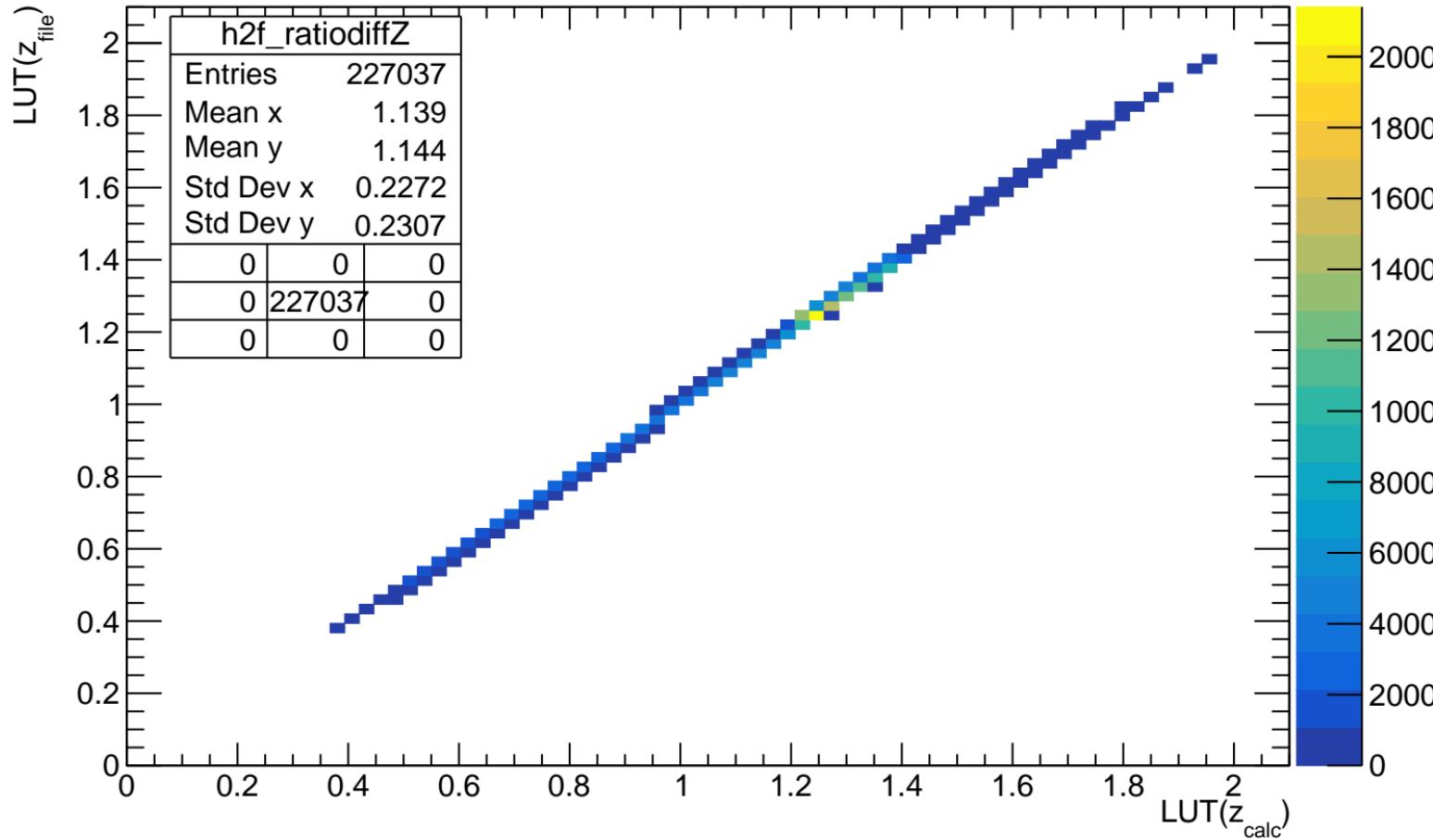


$L_{\text{clusters}} - L_{\text{clusters} > 2\text{mm}}$

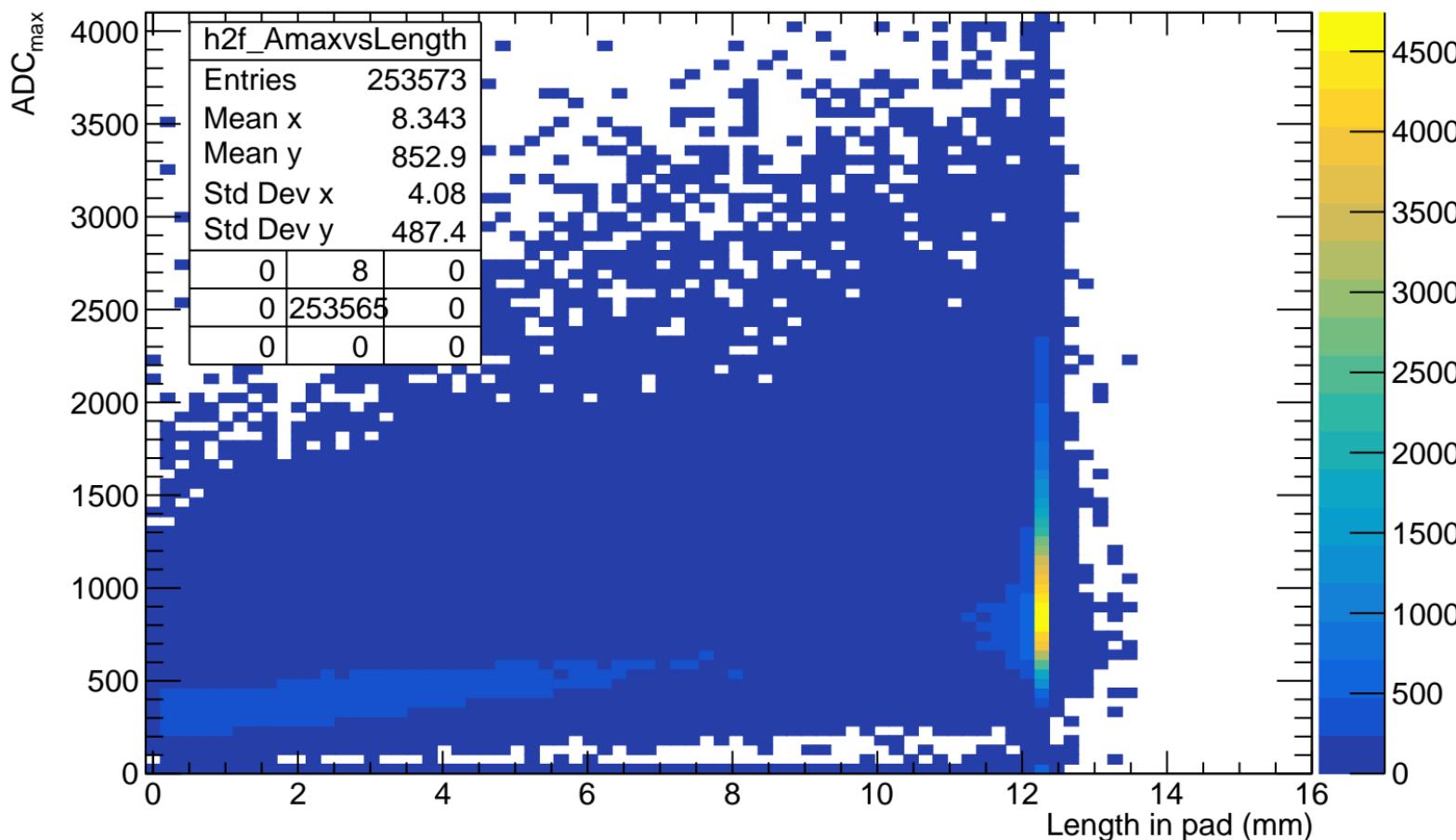
Count



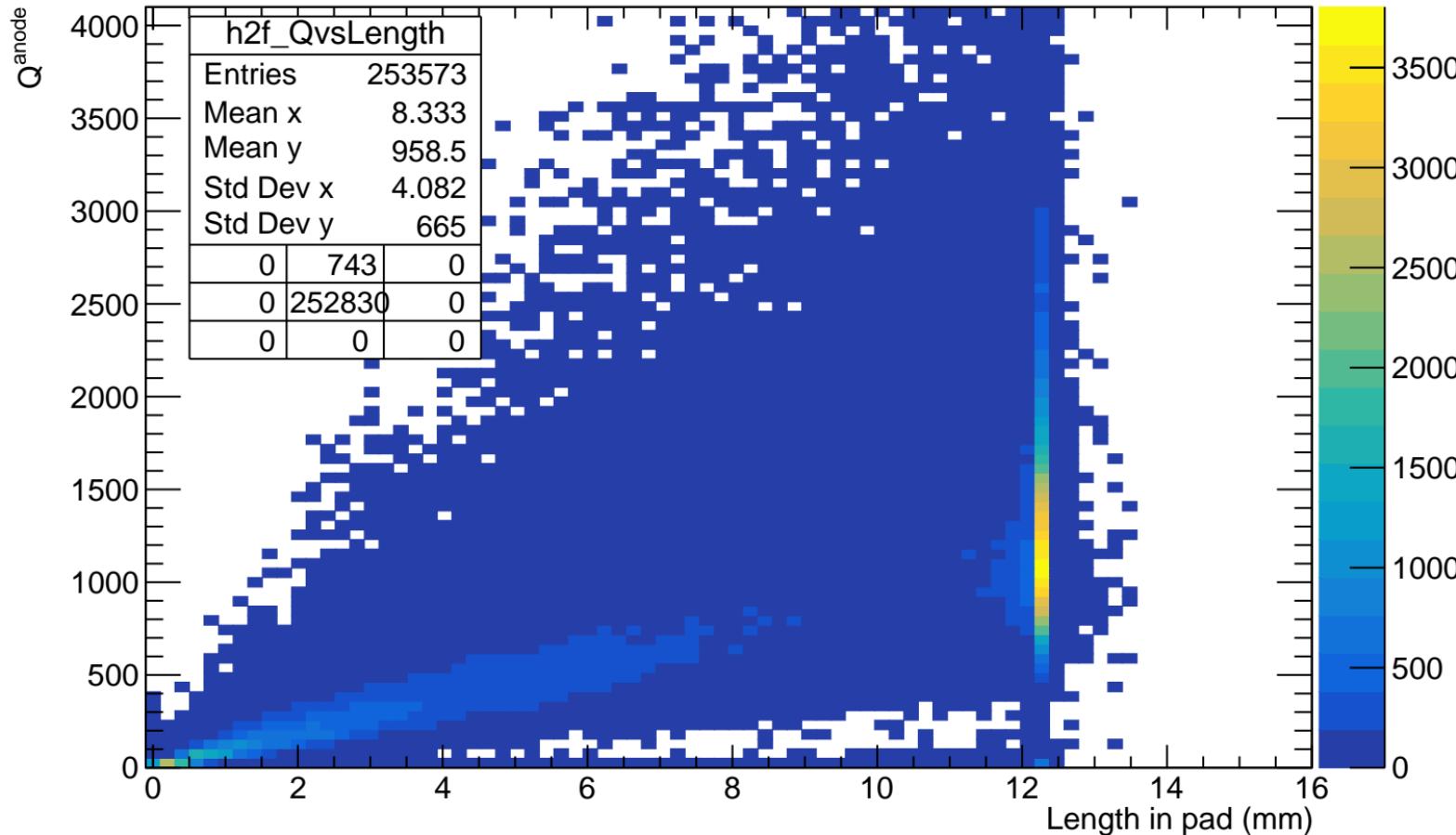
# LUT( $z_{\text{file}}$ ) vs LUT( $z_{\text{calc}}$ )



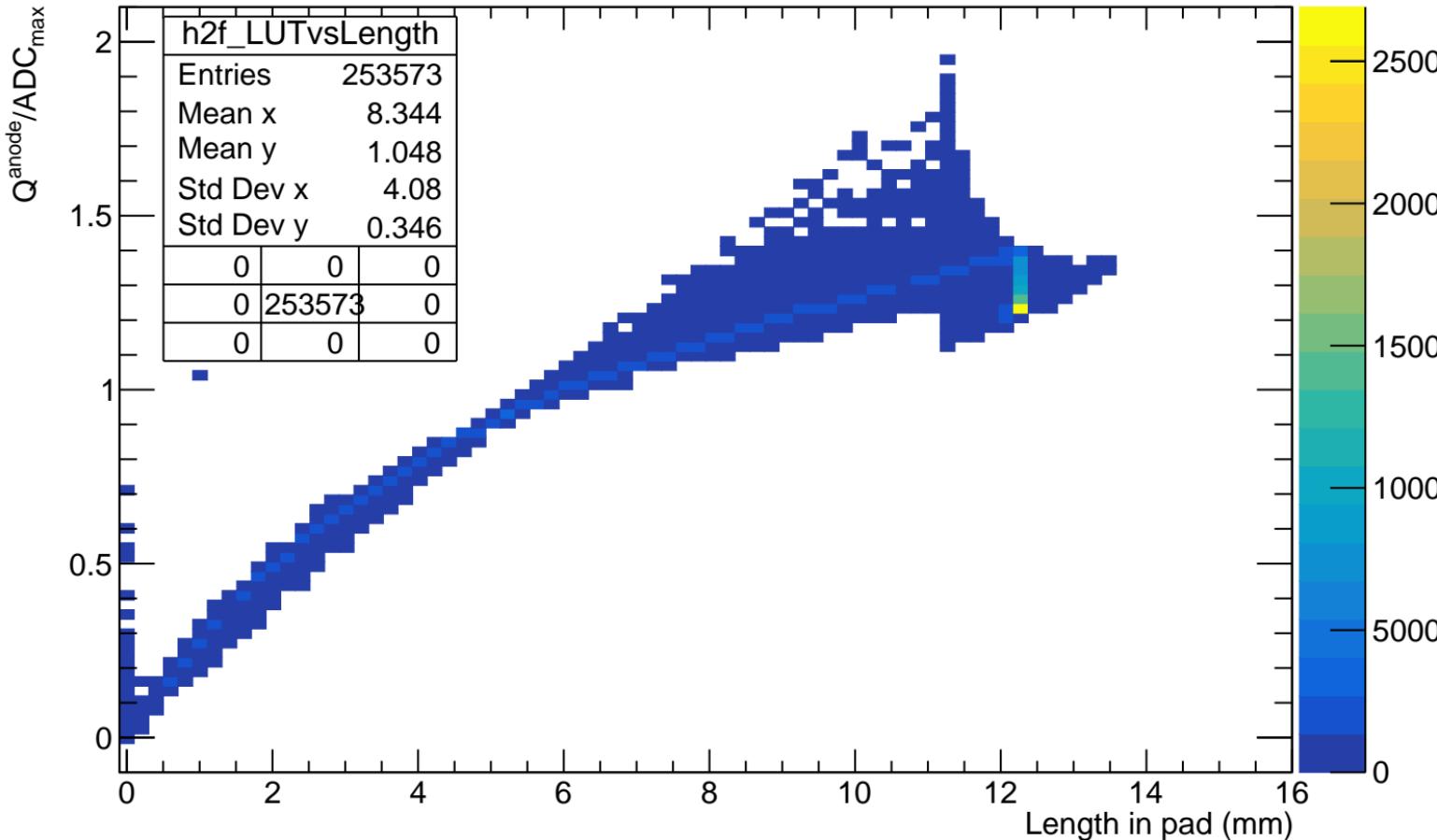
# ADC<sub>max</sub> VS length in pad (before length cut)



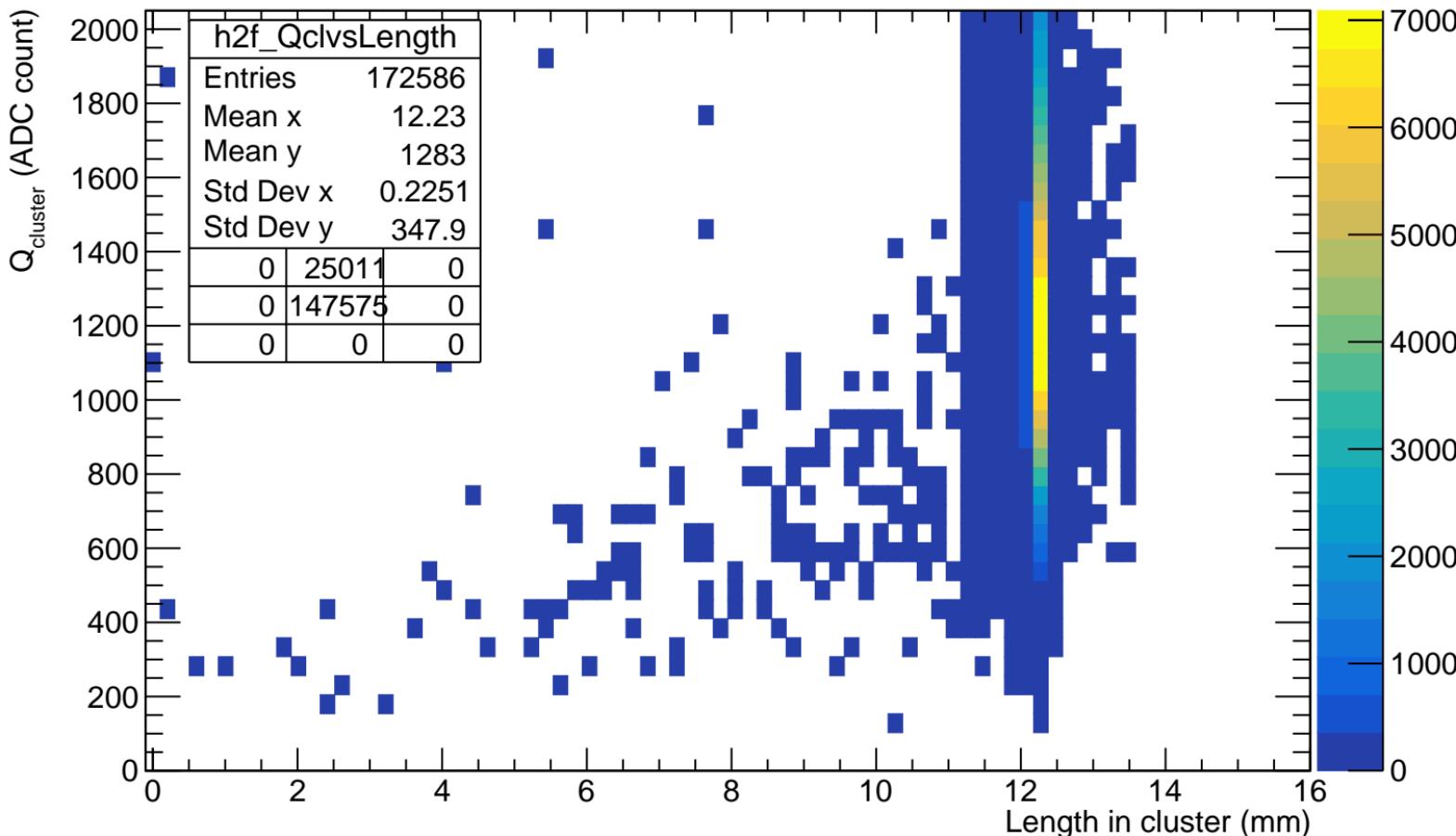
# $Q^{\text{anode}}$ VS length in pad (before length cut)



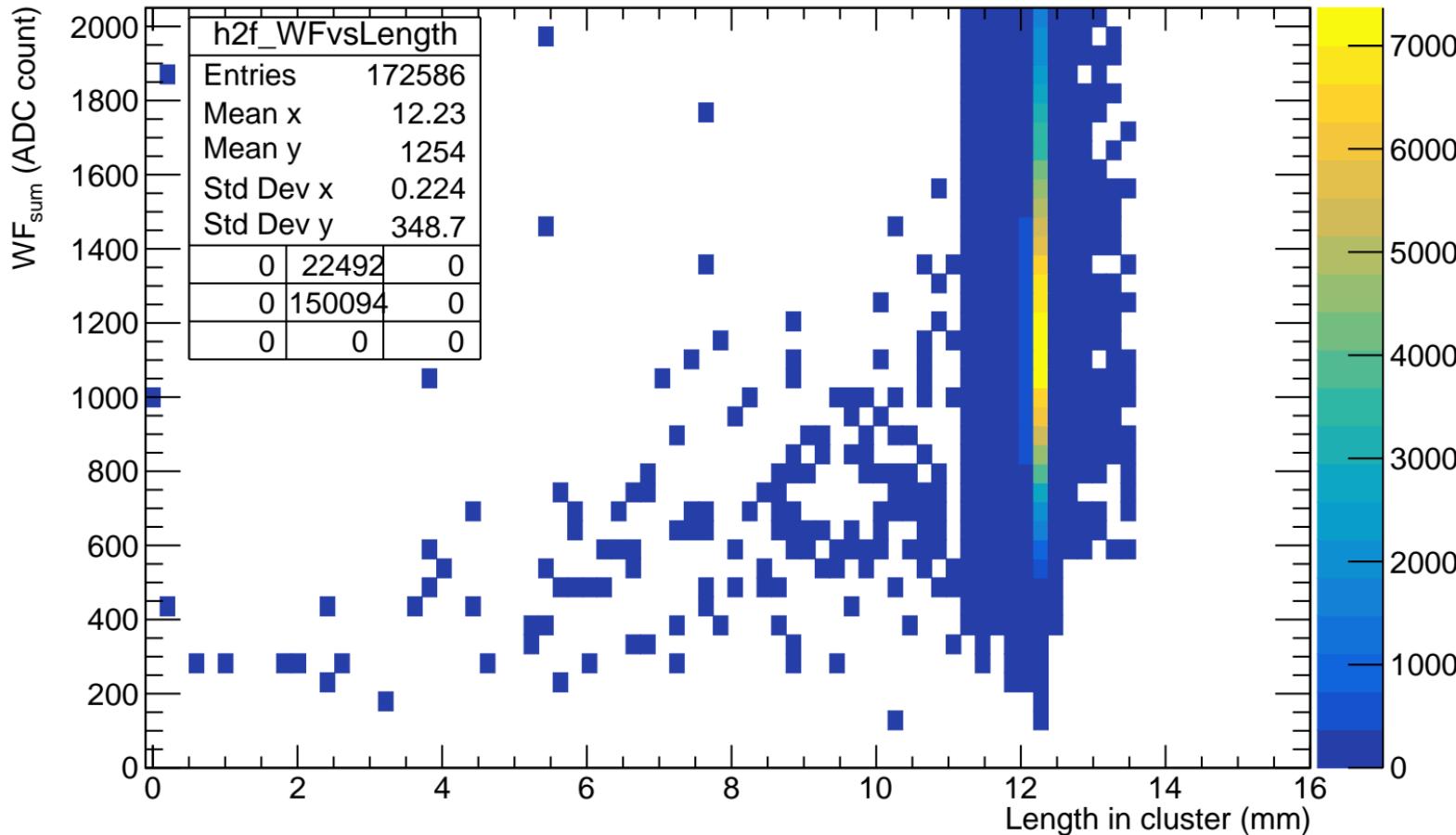
# $Q^{\text{anode}}/\text{ADC}_{\max}$ VS length in pad (before length cut)



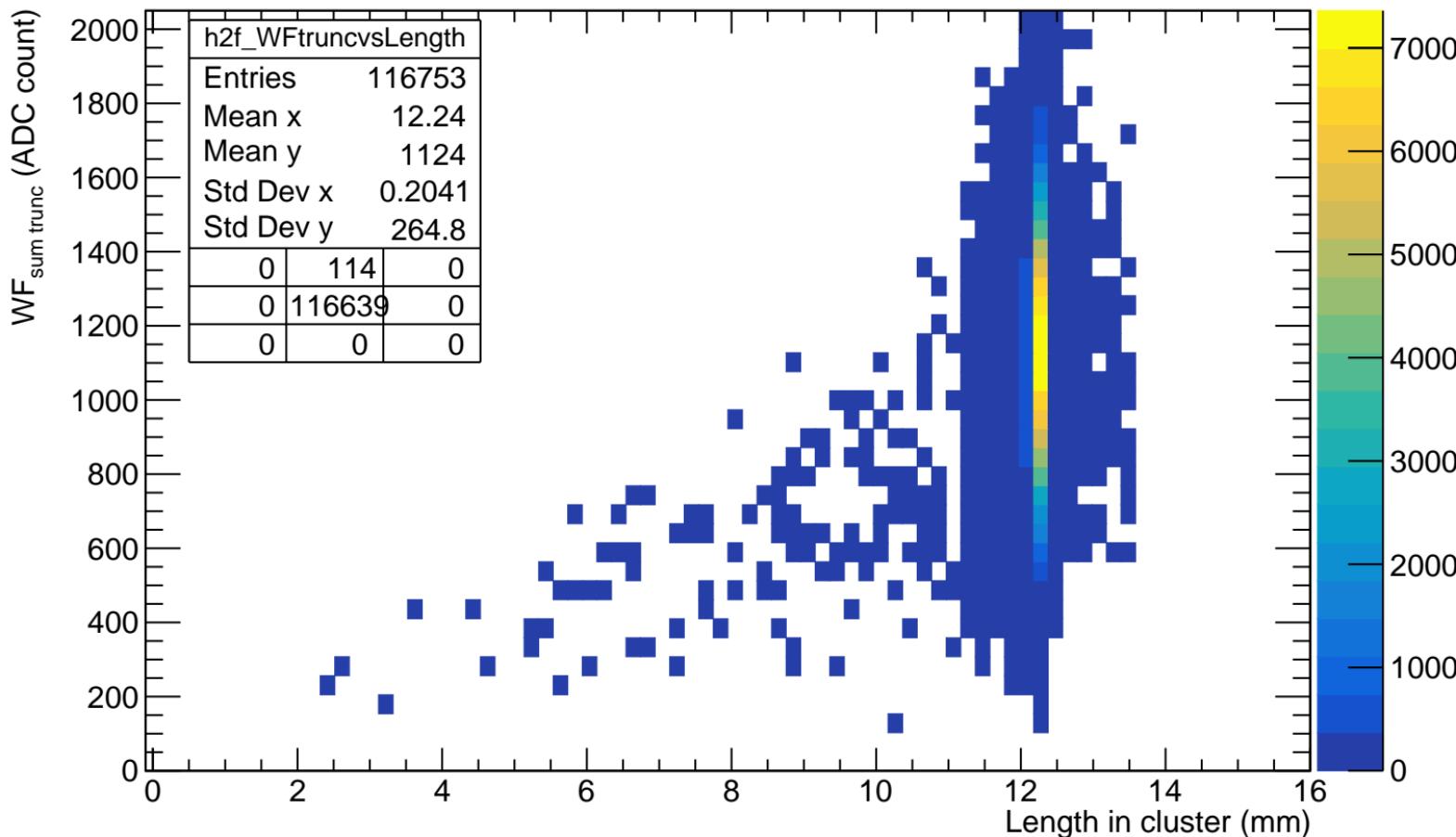
# $Q_{\text{cluster}}$ VS length in cluster



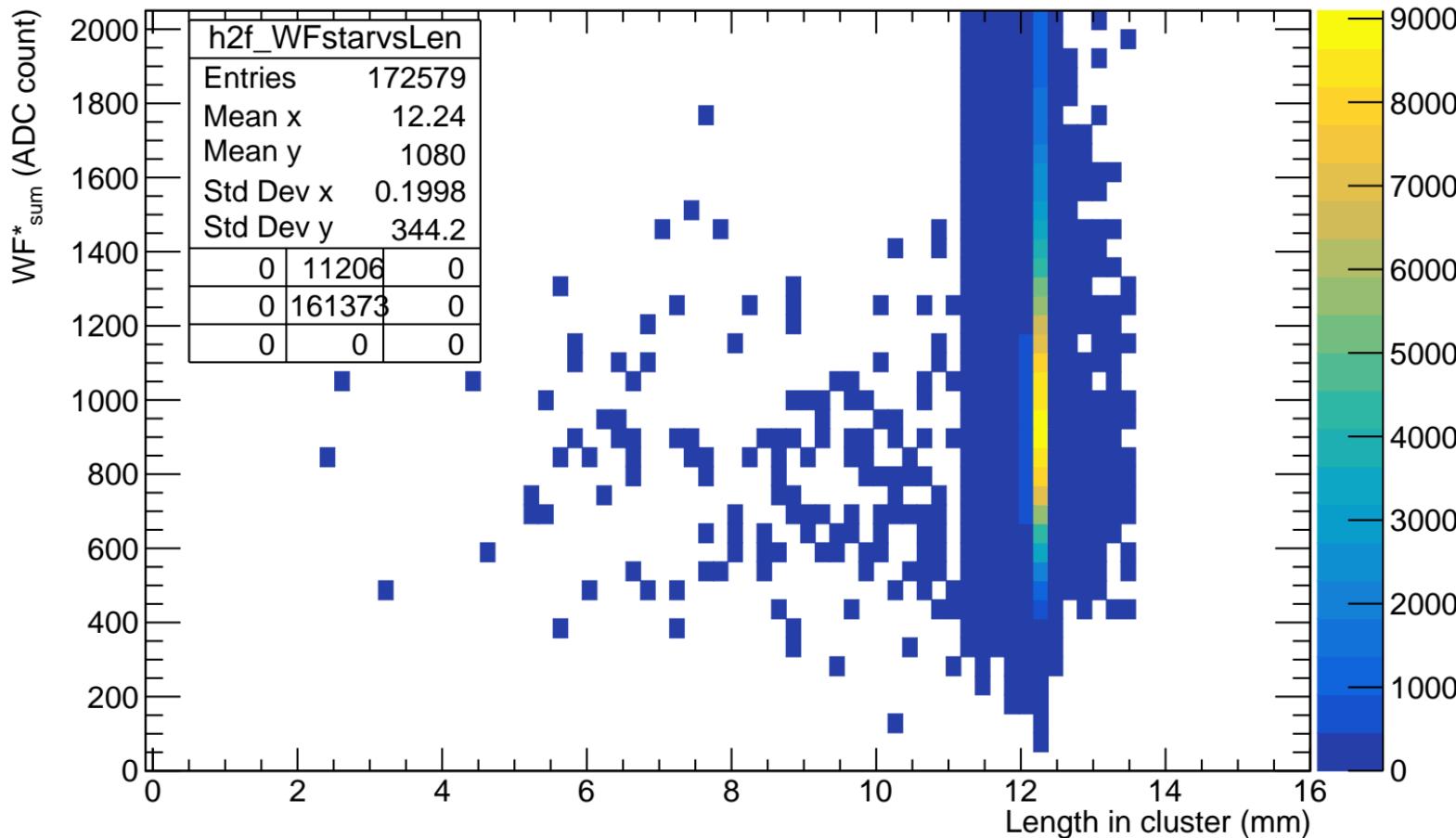
# WF<sub>sum</sub> VS length in cluster



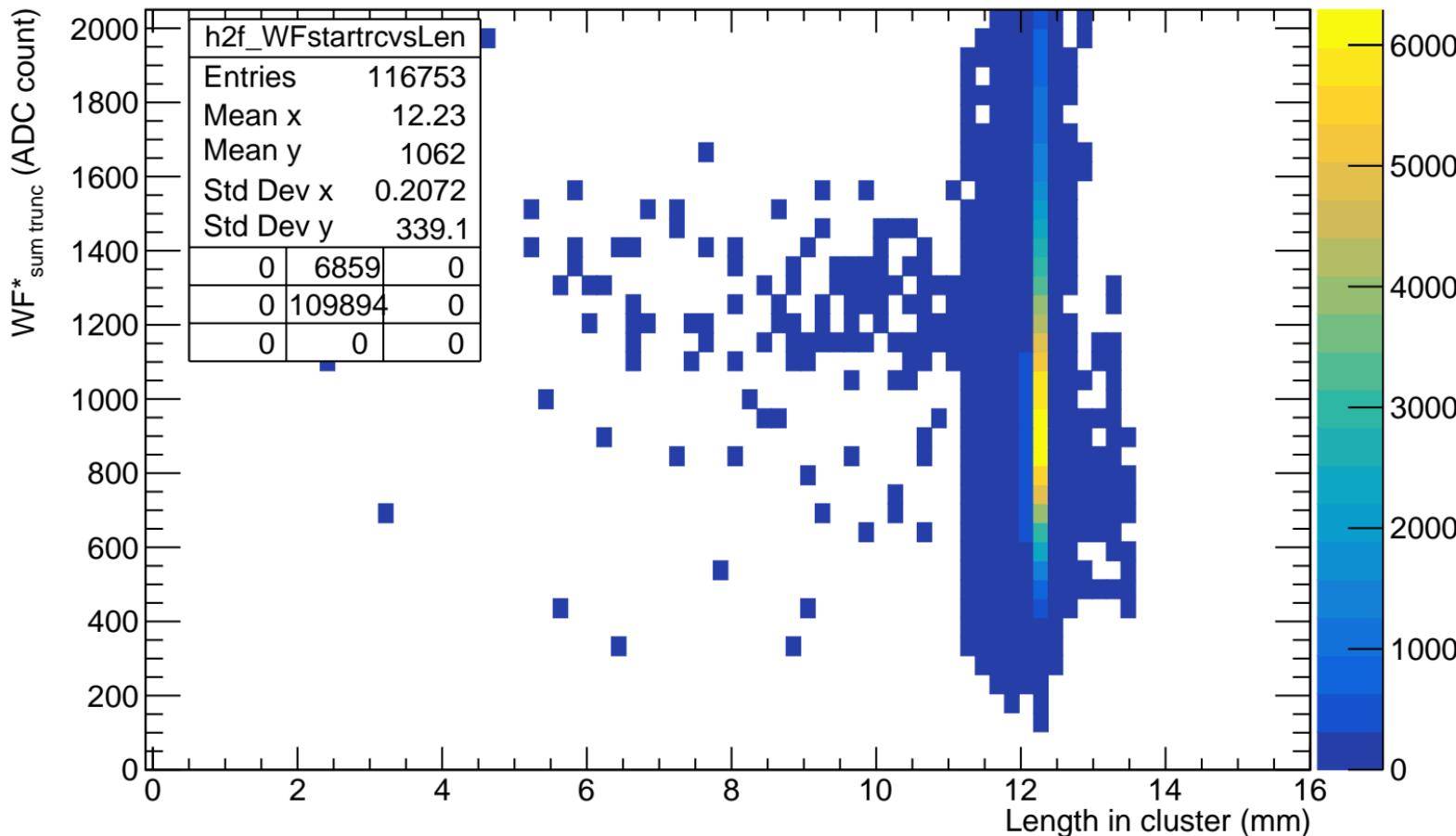
# WF<sub>sum</sub> truncated VS length in cluster

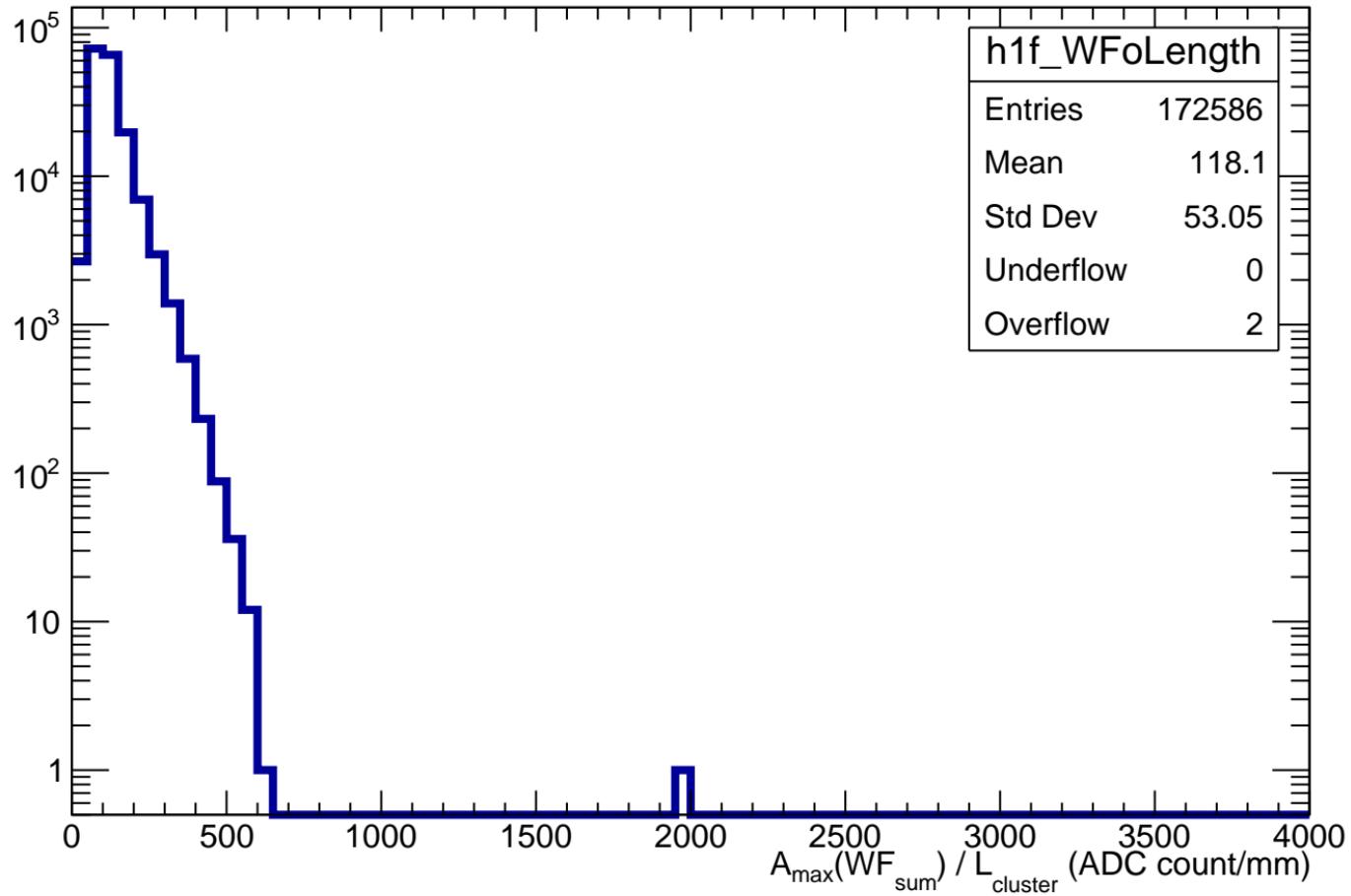


# WF<sup>\*</sup><sub>sum</sub> VS length in cluster



# WF\*<sub>sum truncated</sub> VS length in cluster



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

impact parameter d vs length in pad

