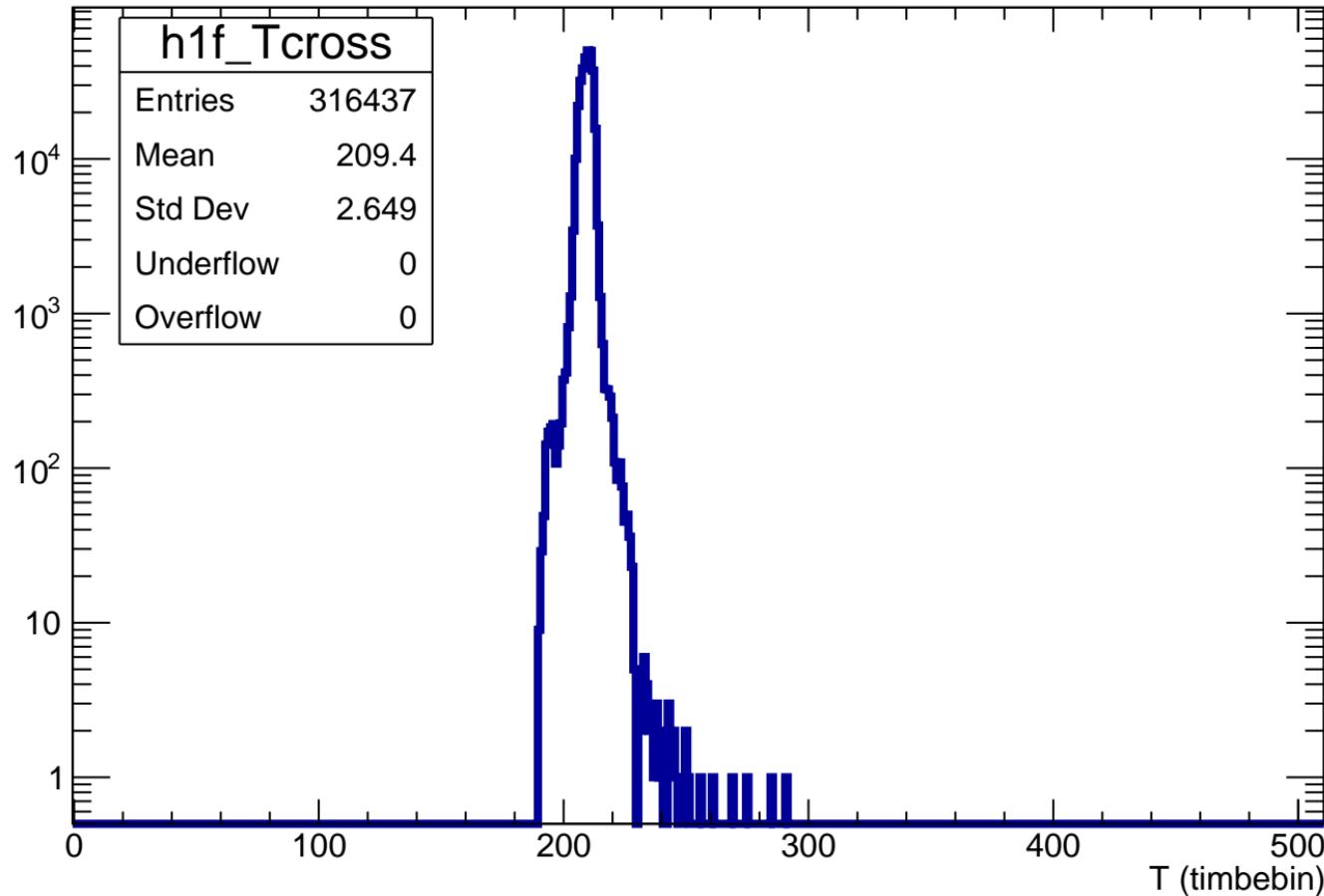
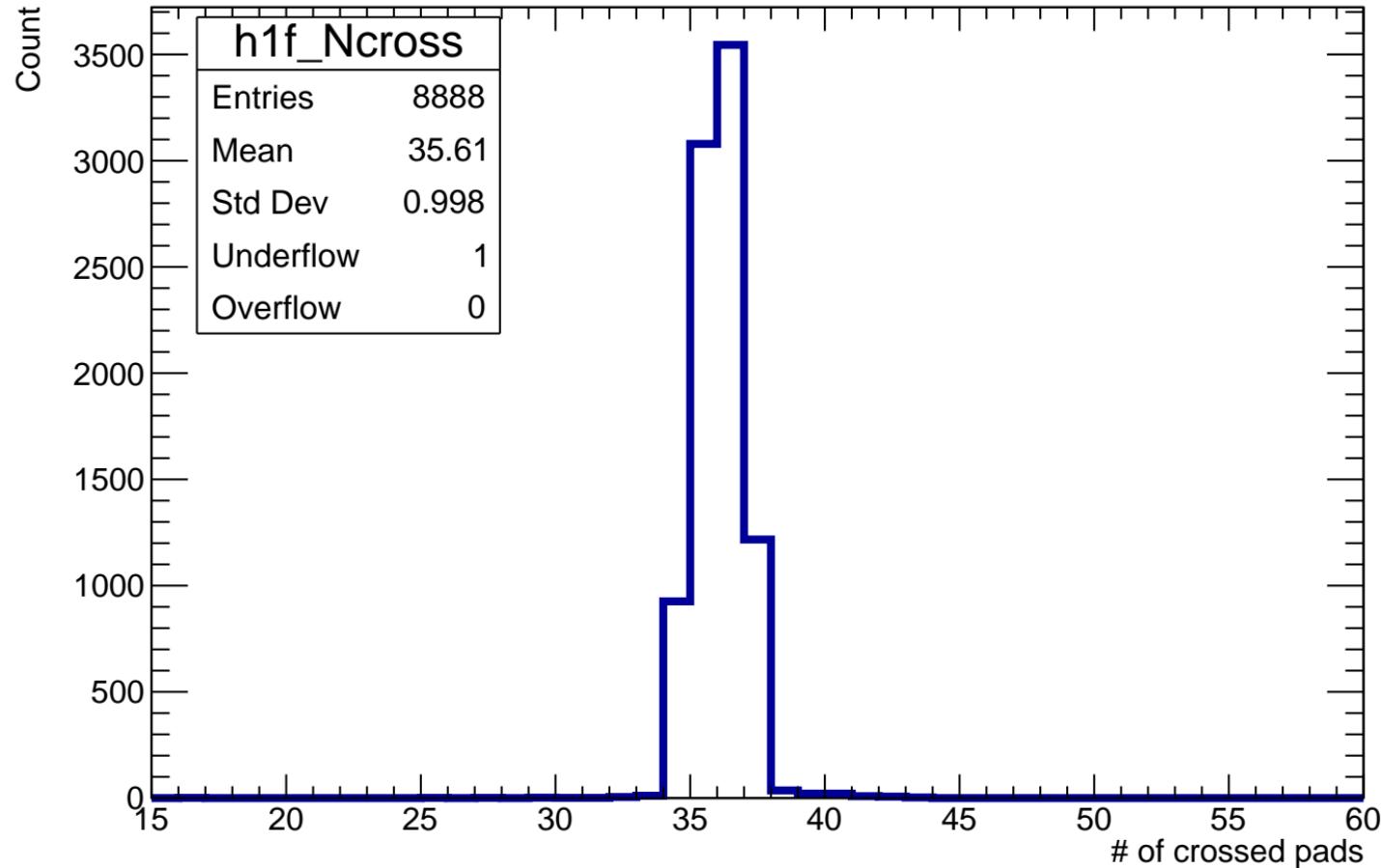


# $T_{\max}$ of crossed pads

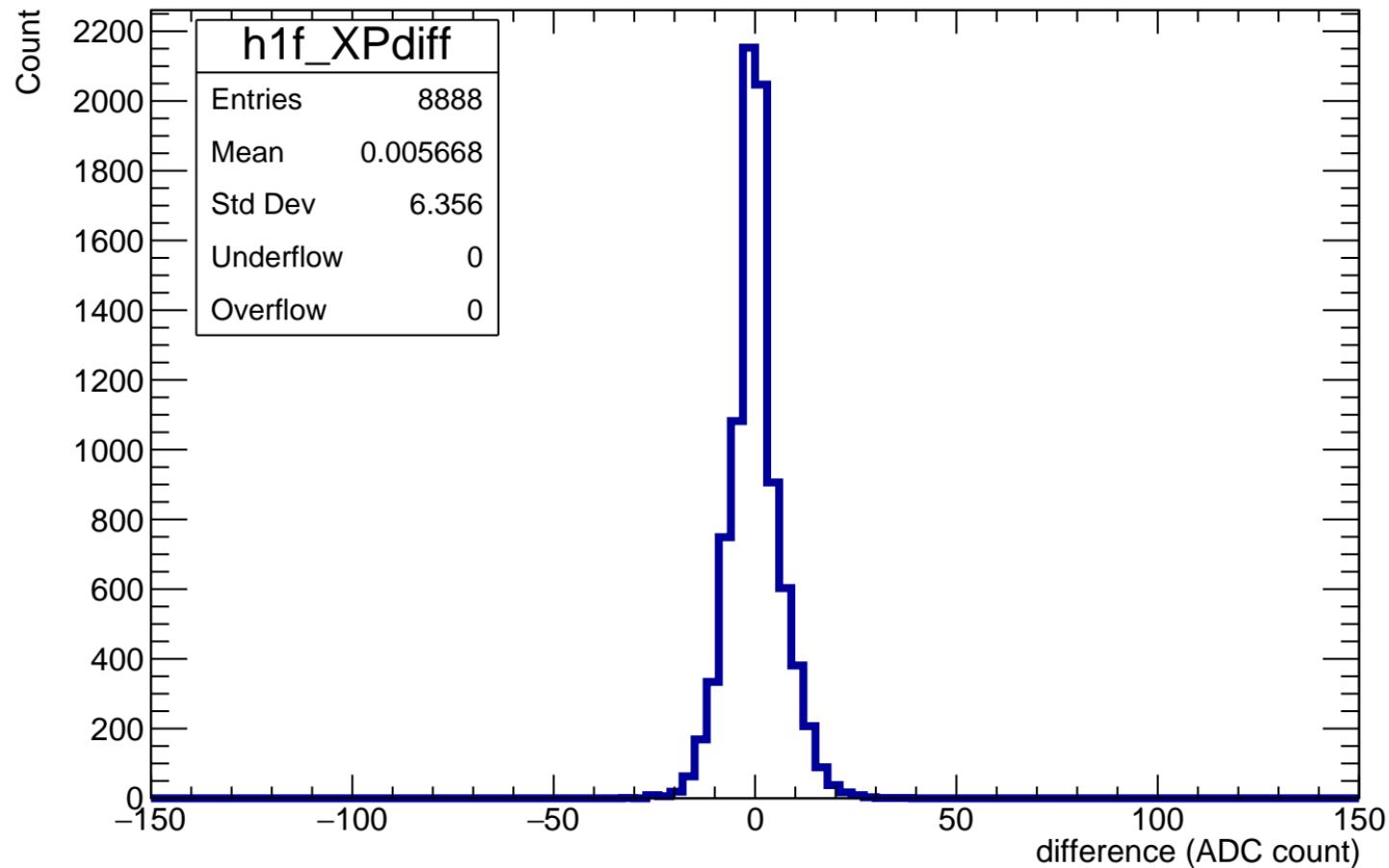
Count



# Number of crossed pads



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



$Z_{\text{file}} = 550\text{mm} - Z_{\text{computed}}$ 

Count

 $\times 10^3$ 

h1f\_zdiff

Entries	316437
Mean	46.56
Std Dev	8.235
Underflow	3
Overflow	0

100

80

60

40

20

0

-150

-100

-50

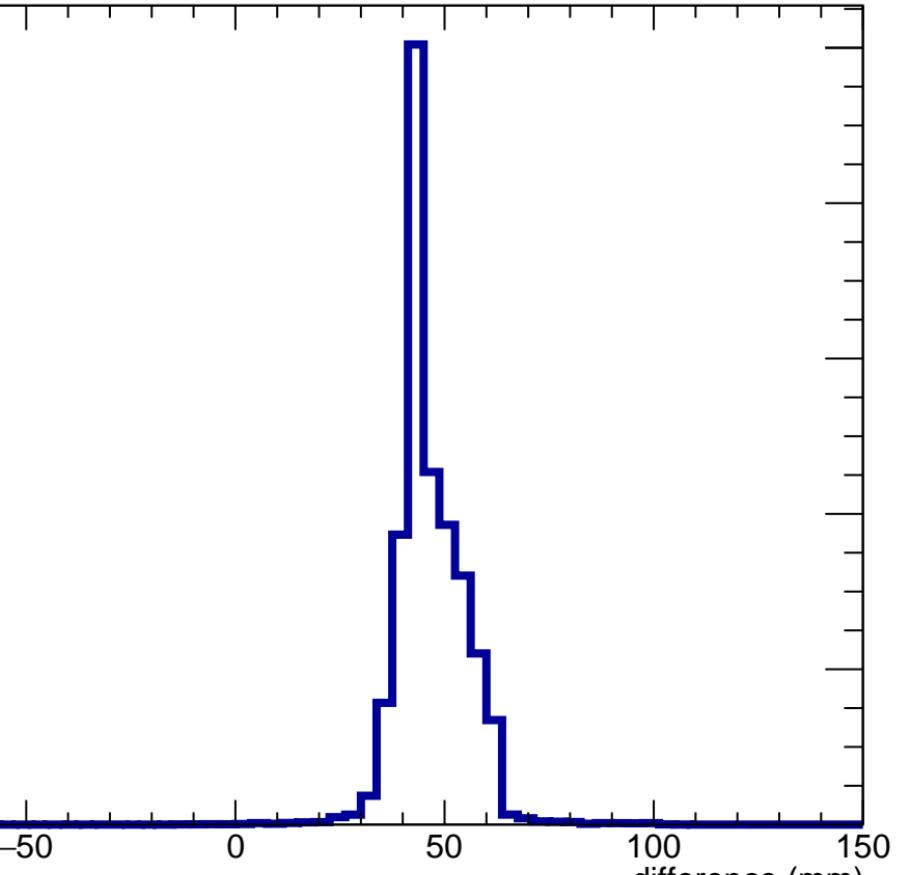
0

50

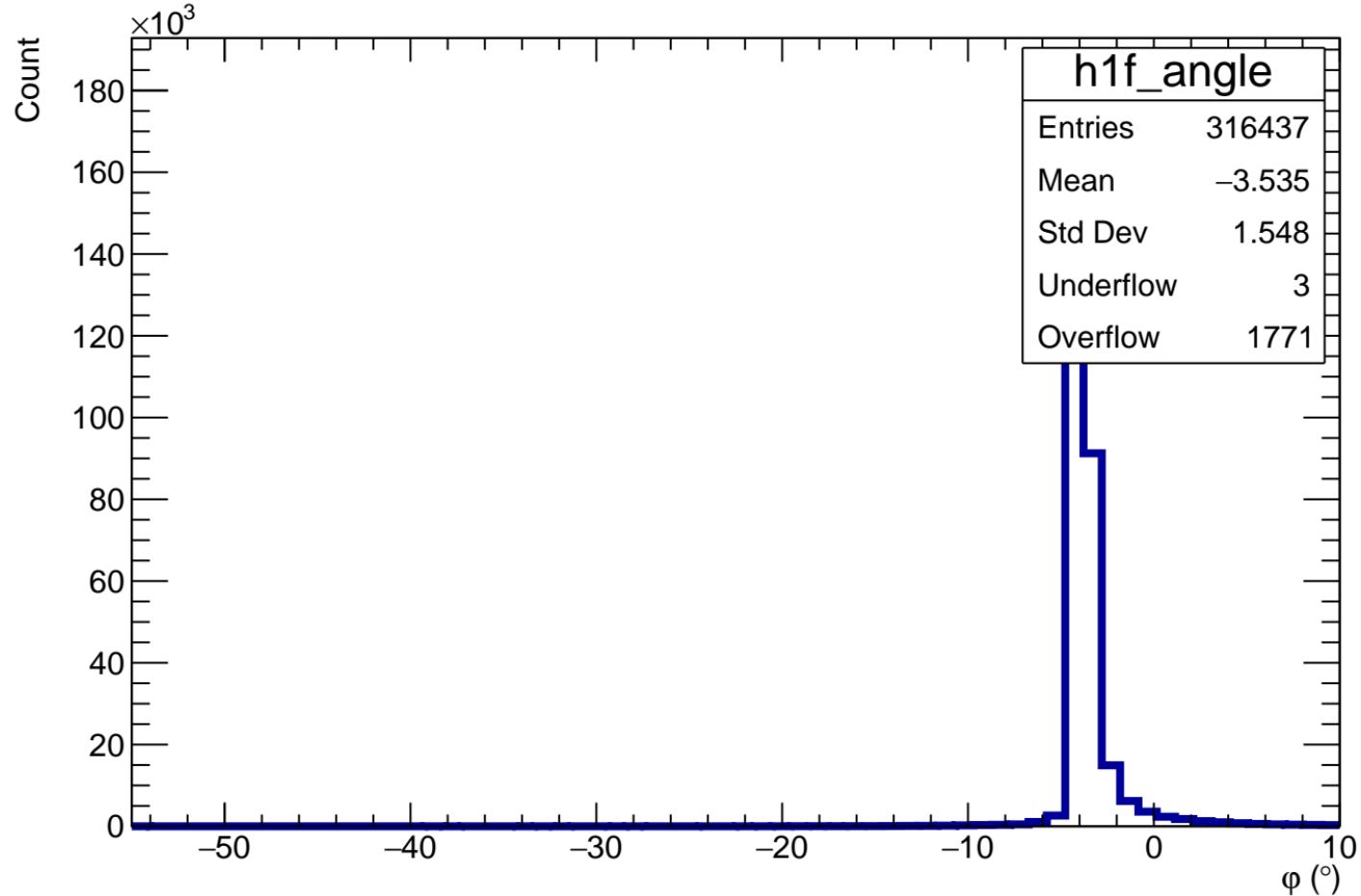
100

150

difference (mm)

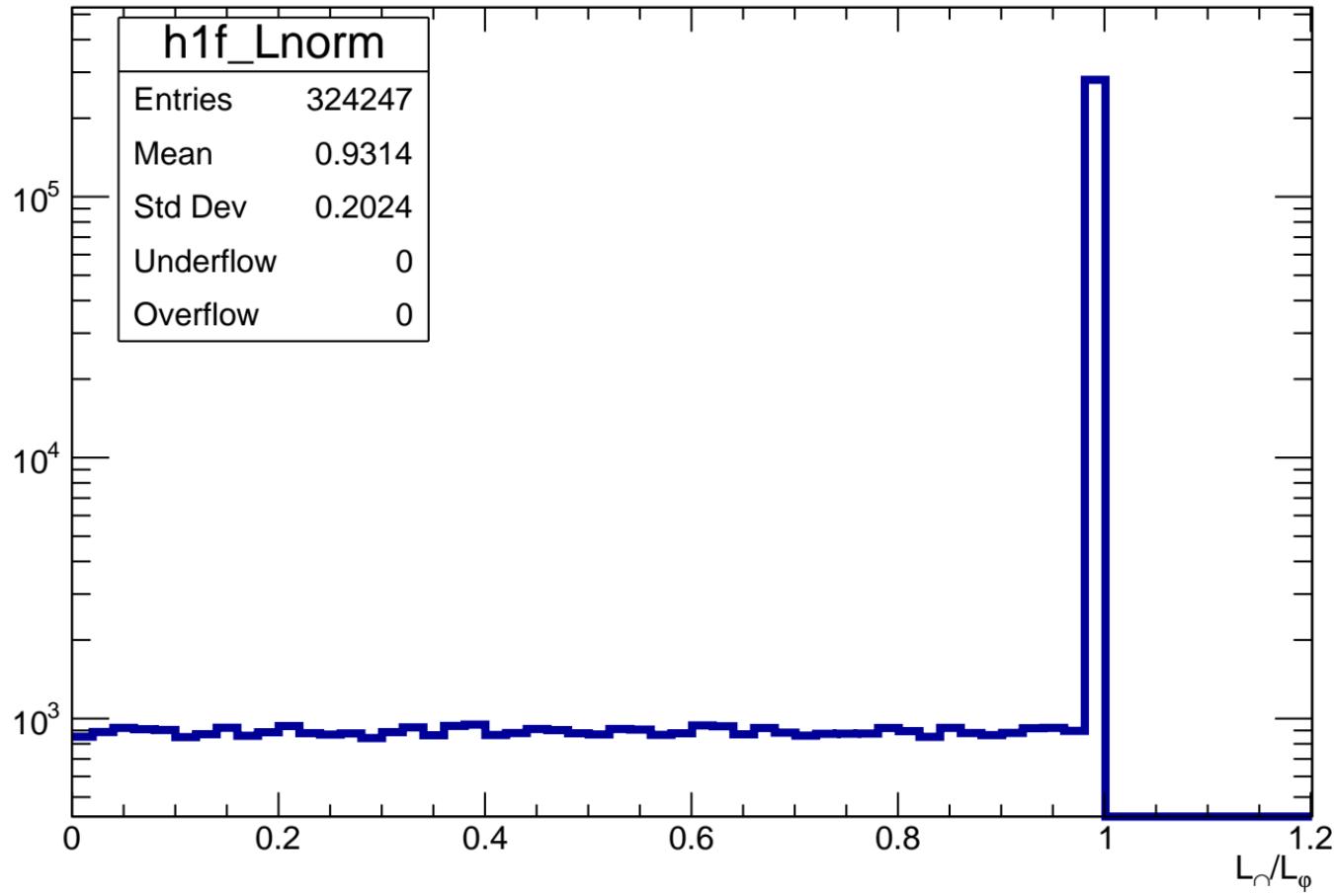


# Angle $\varphi$ in each pad

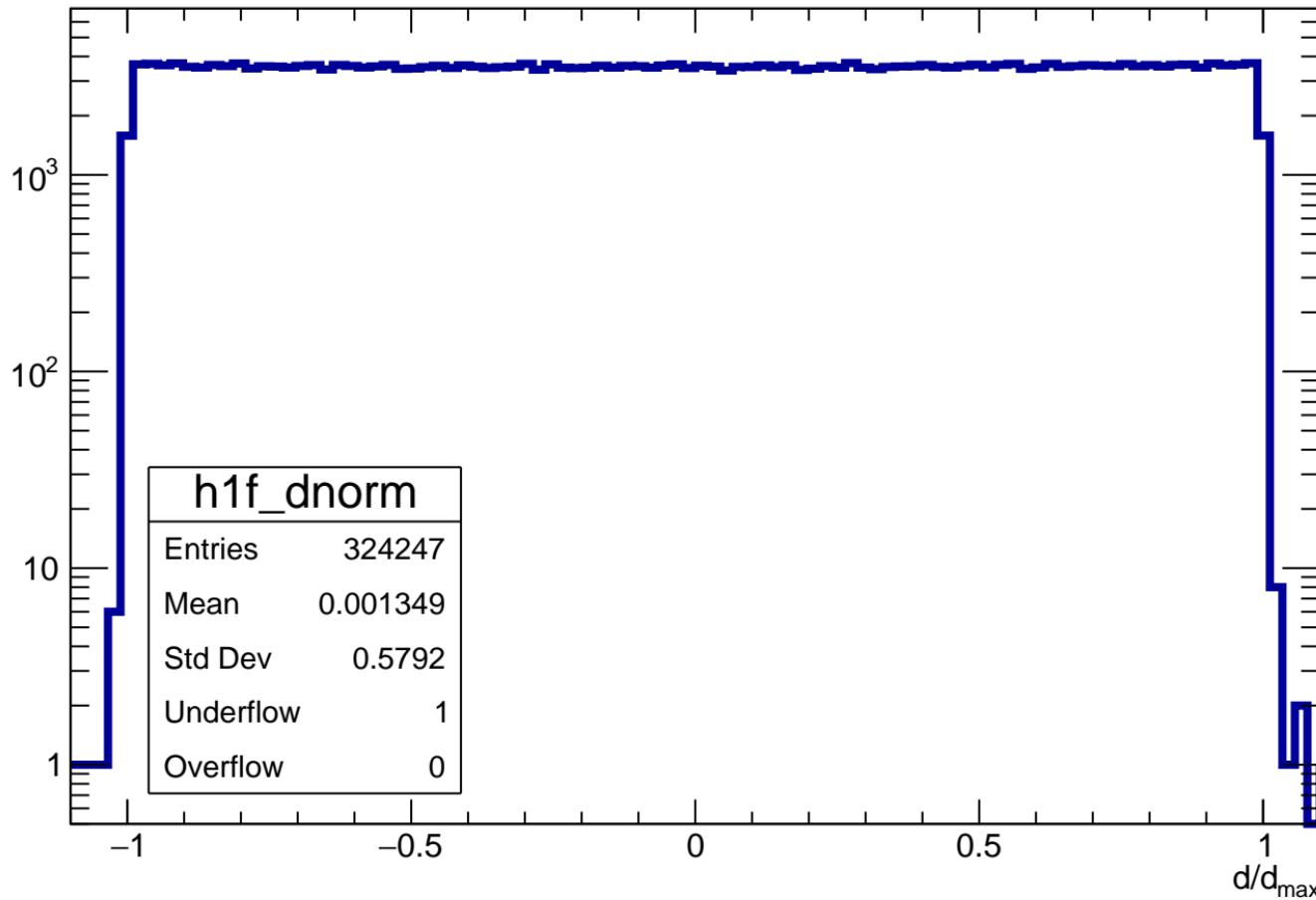


Length in pad normalized to maximum length in pad for a given  $\phi$

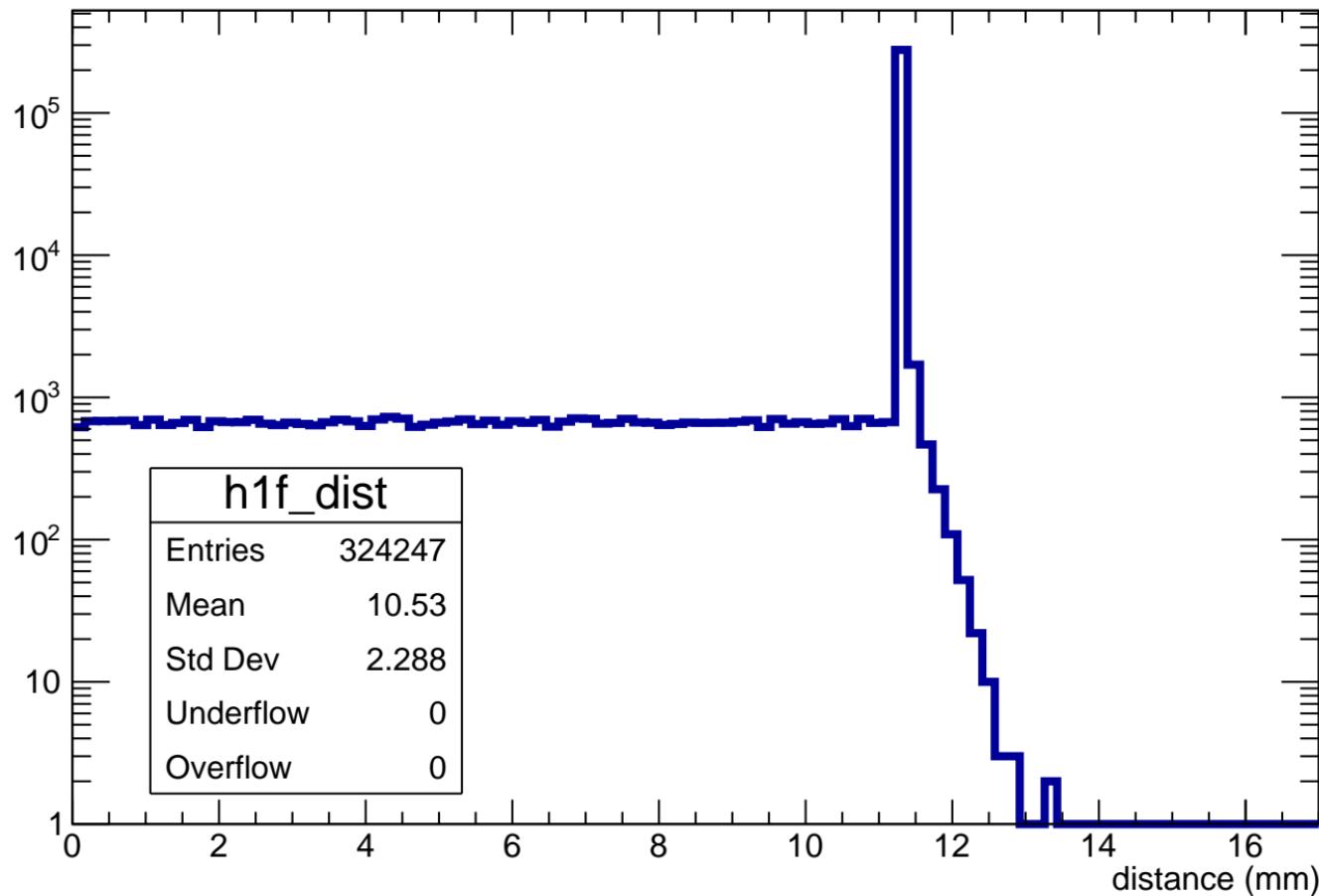
Count



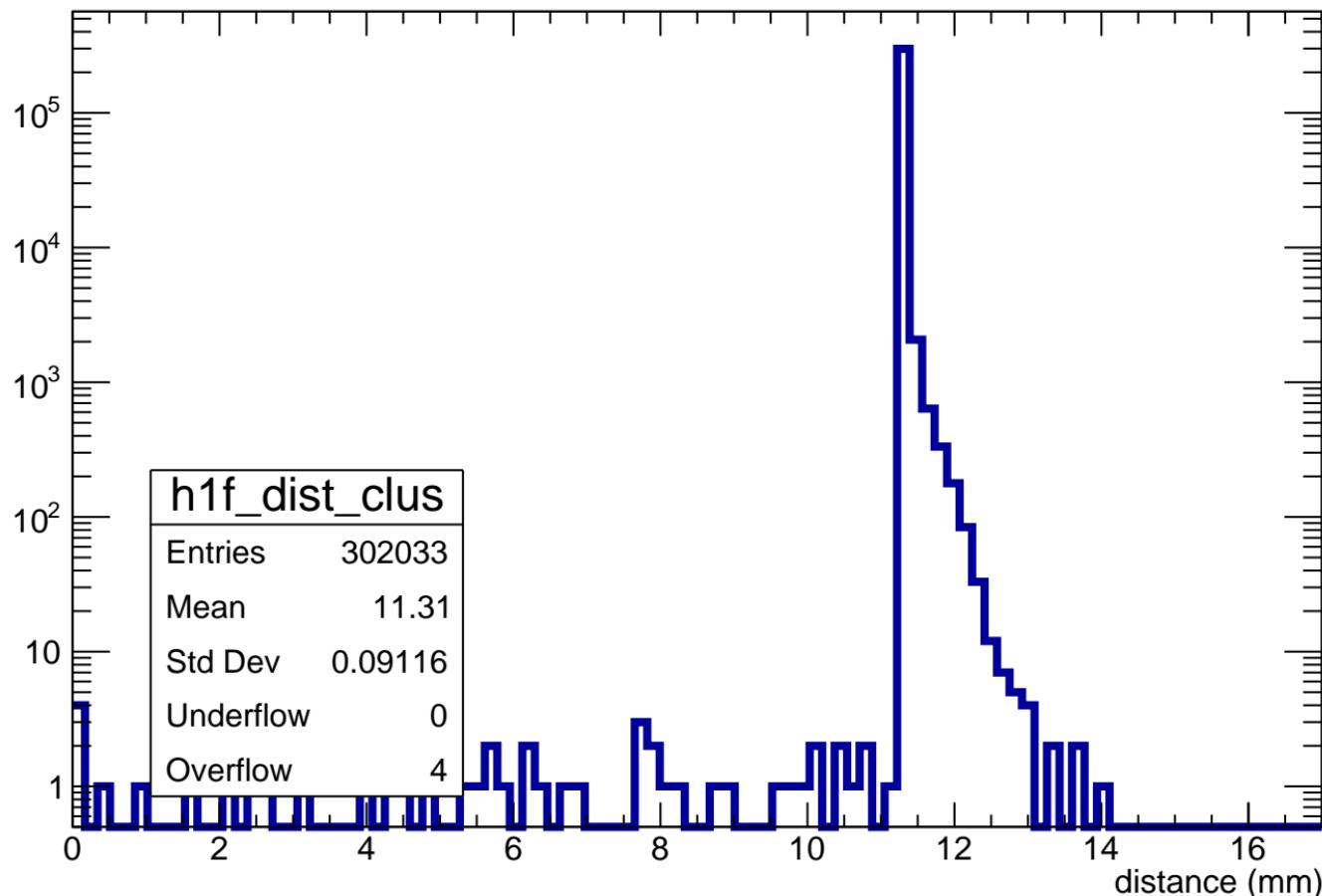
# Normalized impact parameter $d/d_{\max}$



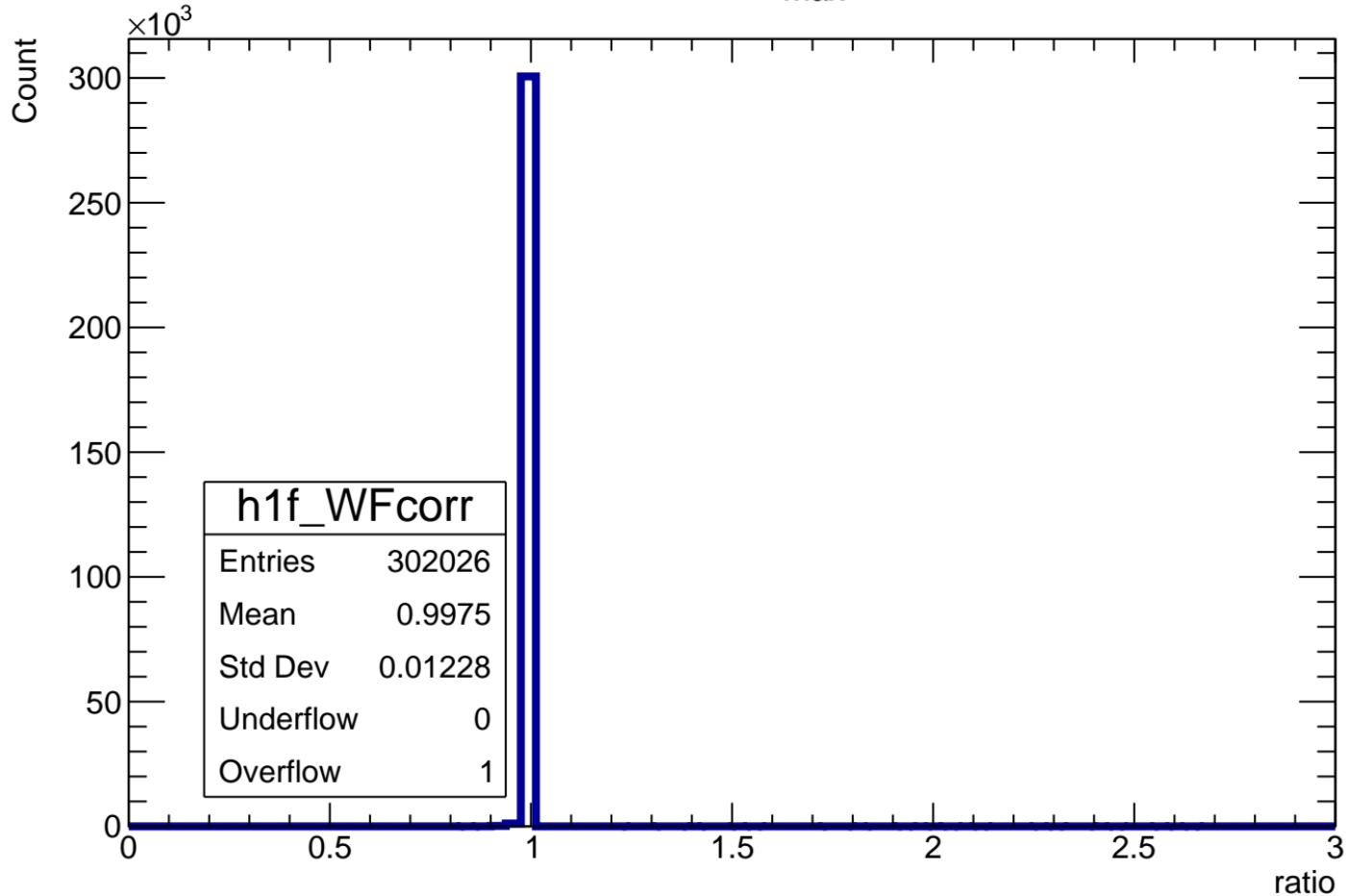
# distance of track in pad



# distance of track in cluster

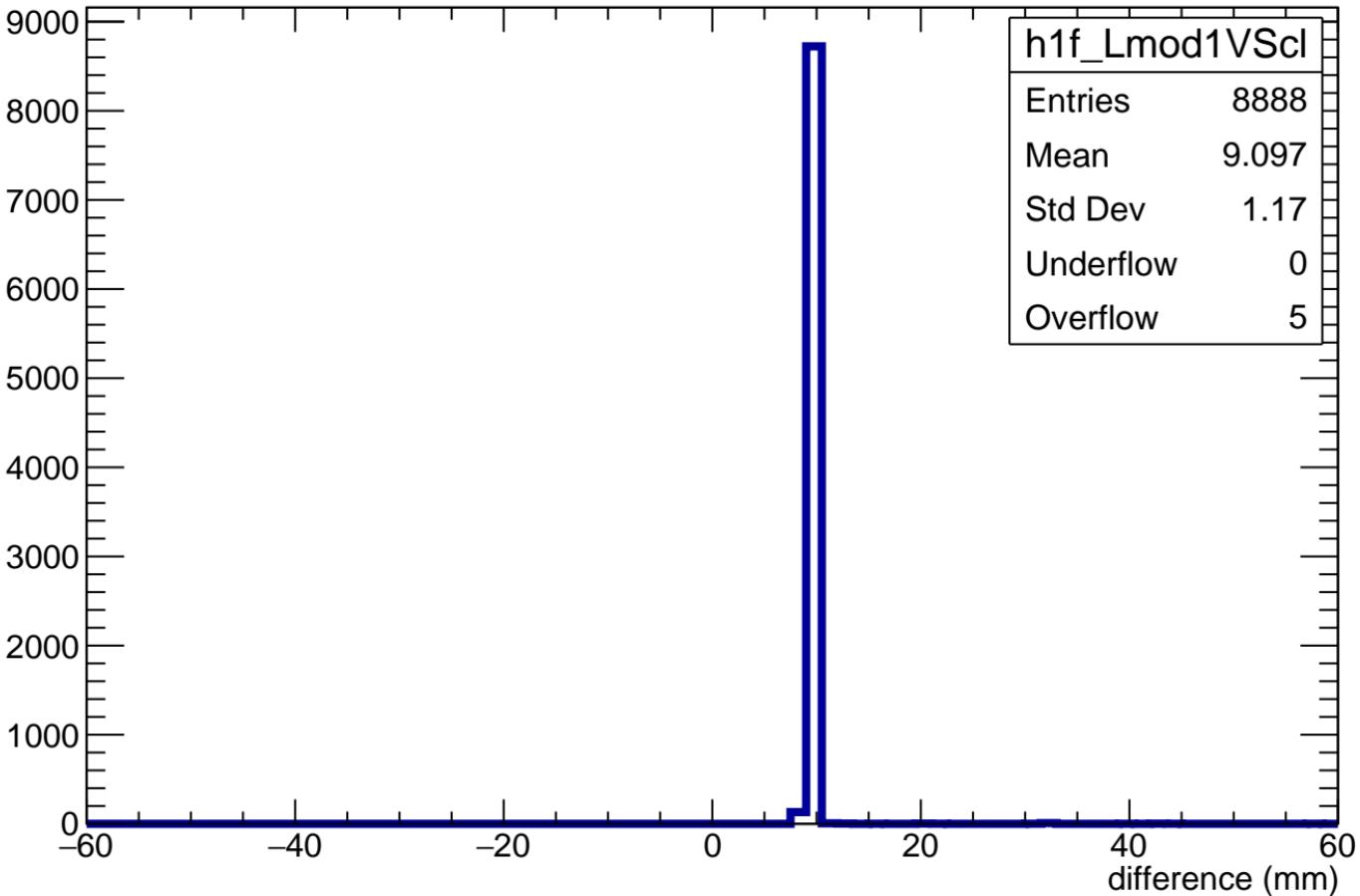


# Correction A<sub>max</sub> ratio

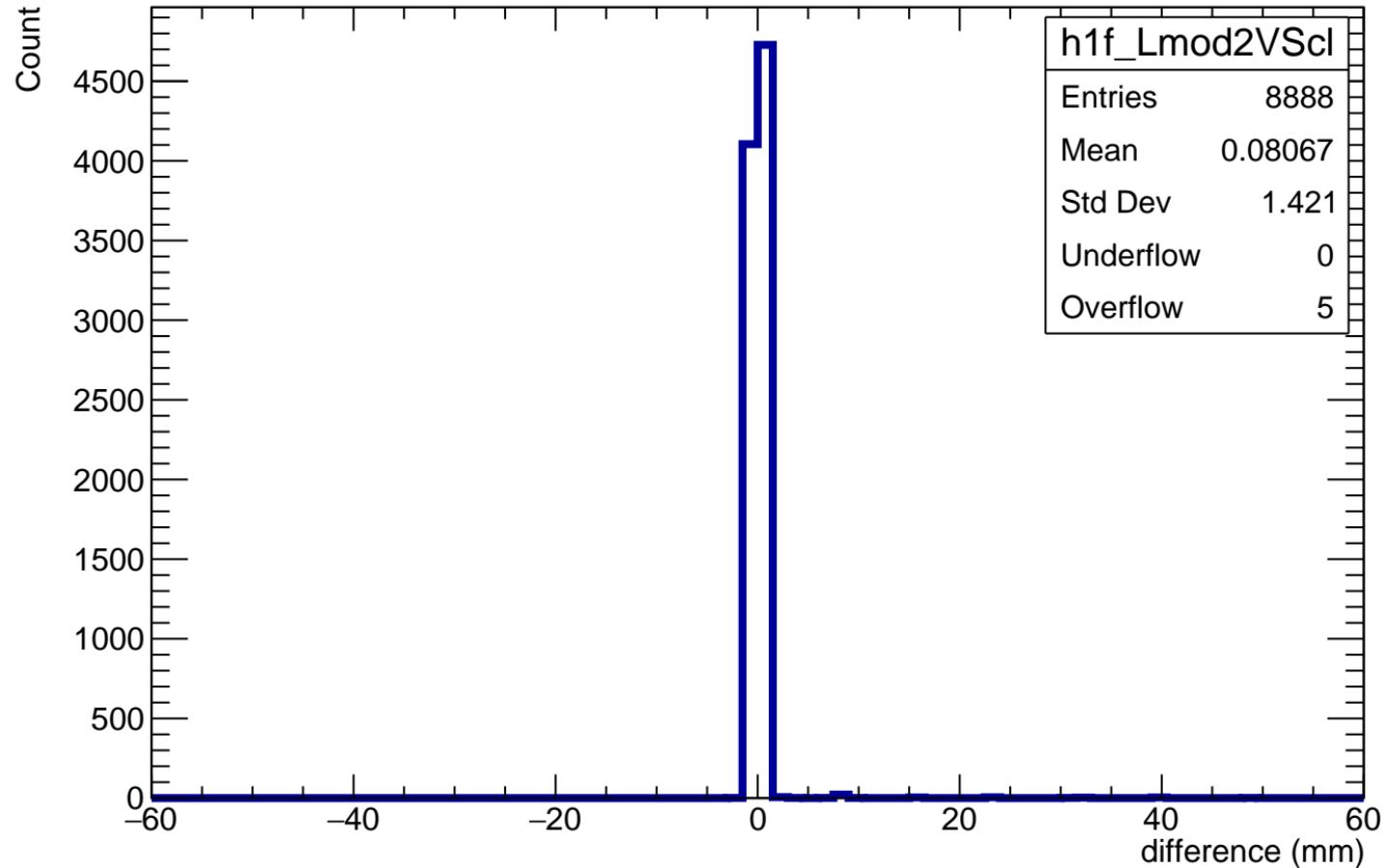


$L_{\text{ERAM}} * 0.7 - \sum L_{\text{clus} > 2\text{mm}}$ 

Count

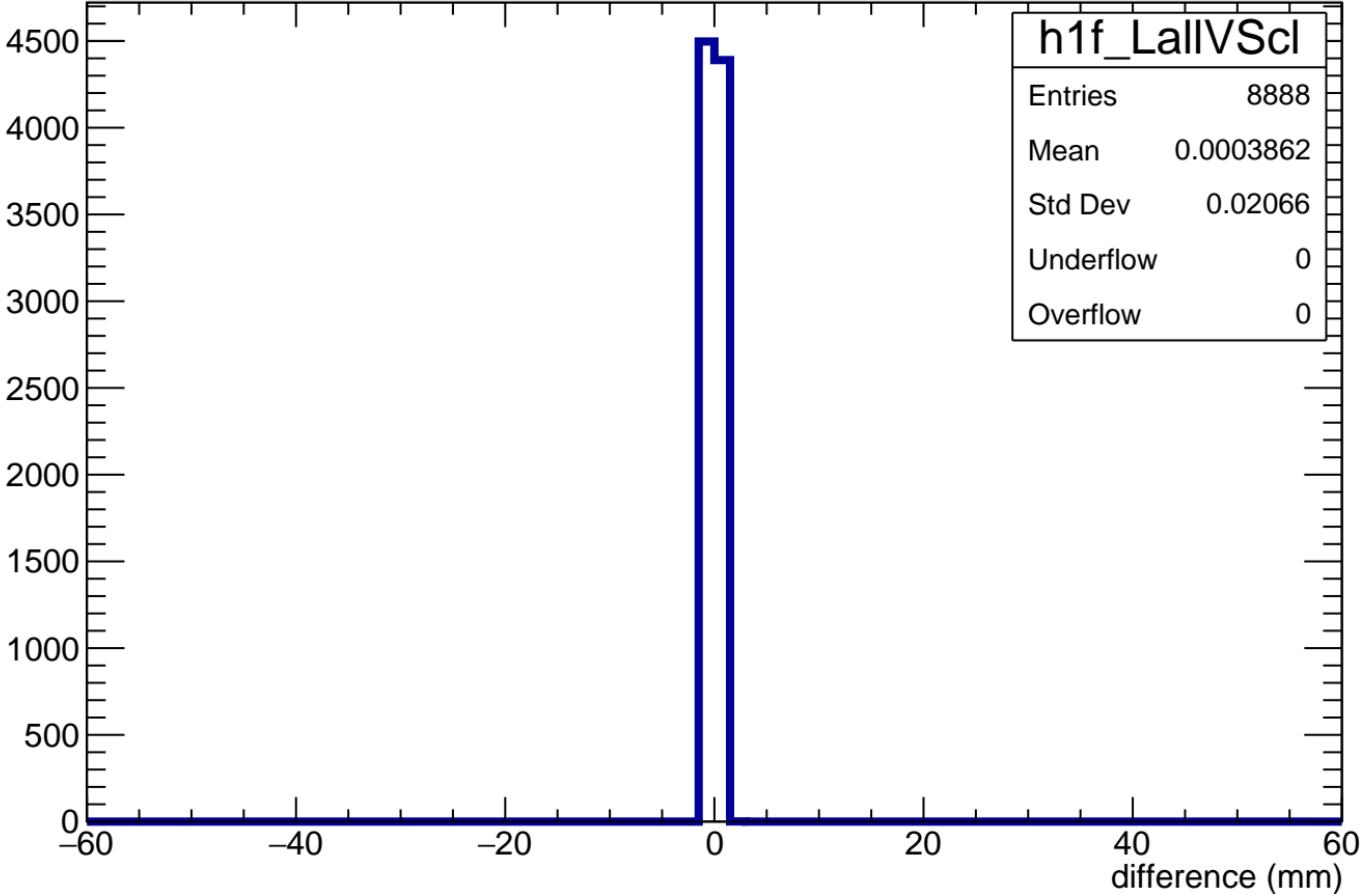


$$L_{\text{ERAM}} * (N_{\text{trunc cross}} / N_{\text{clus cross} > 2\text{mm}}) - \sum L_{\text{clus} > 2\text{mm}}$$

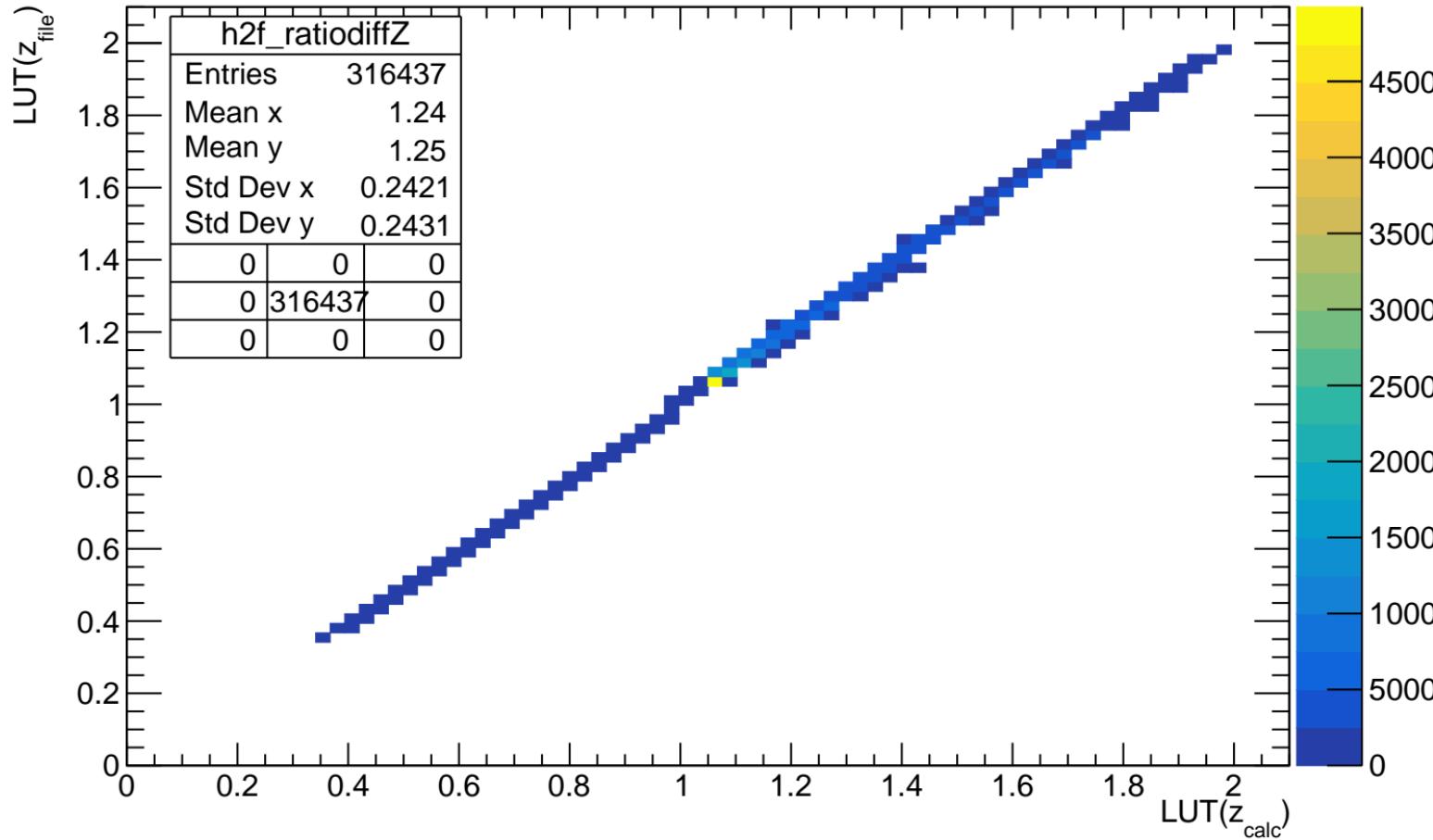


$L_{\text{clusters}} - L_{\text{clusters} > 2\text{mm}}$

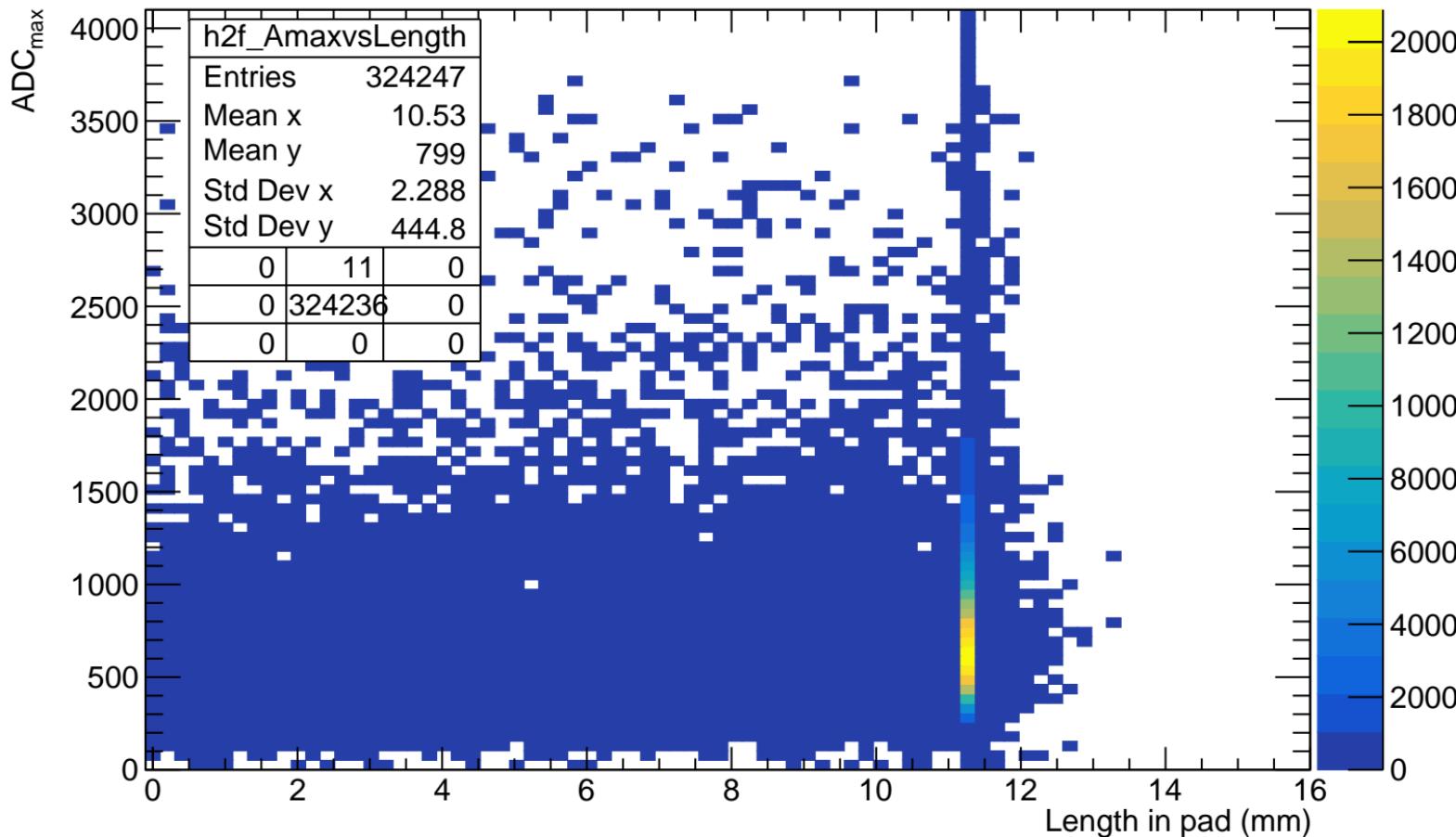
Count



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

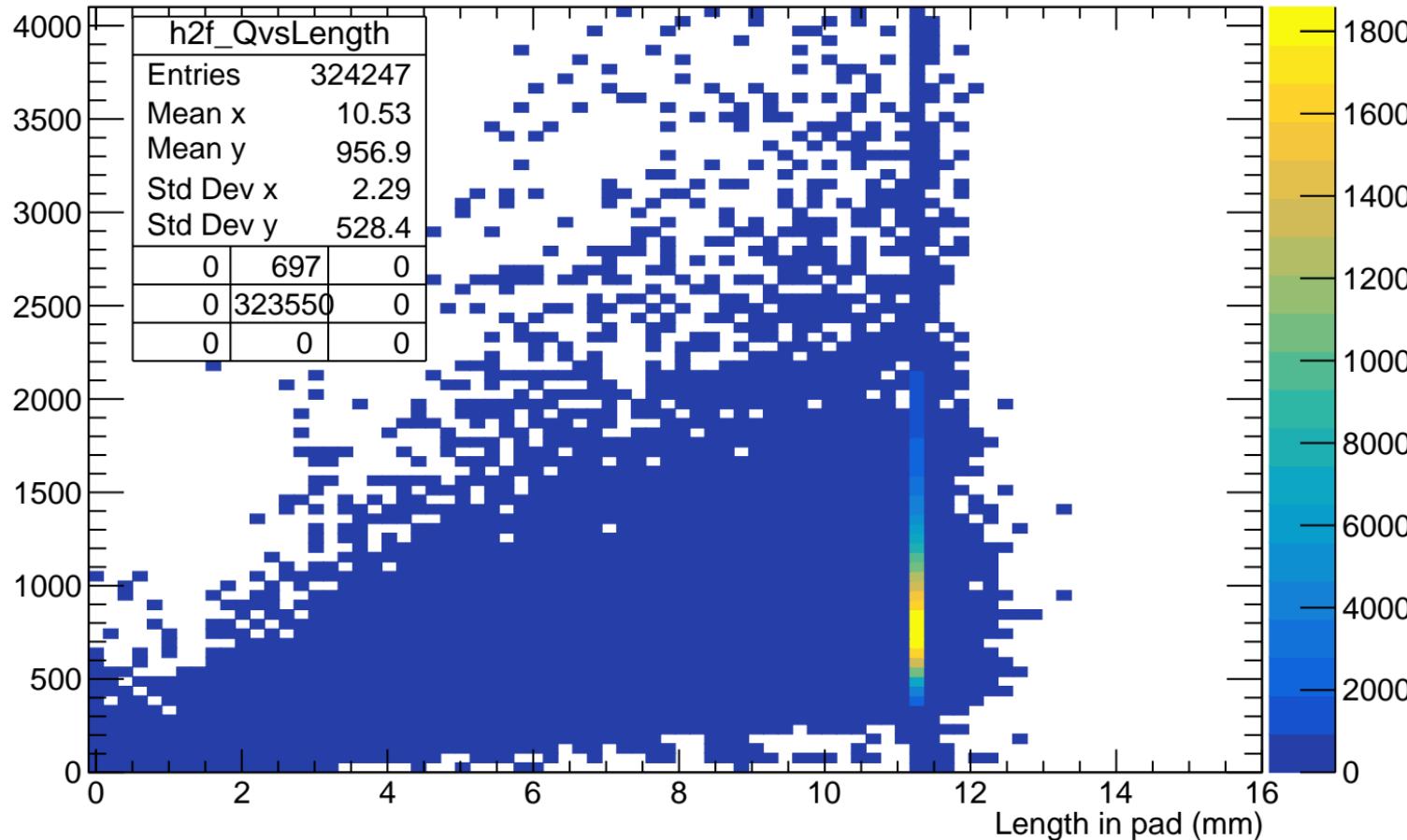


## ADC<sub>max</sub> VS length in pad (before length cut)

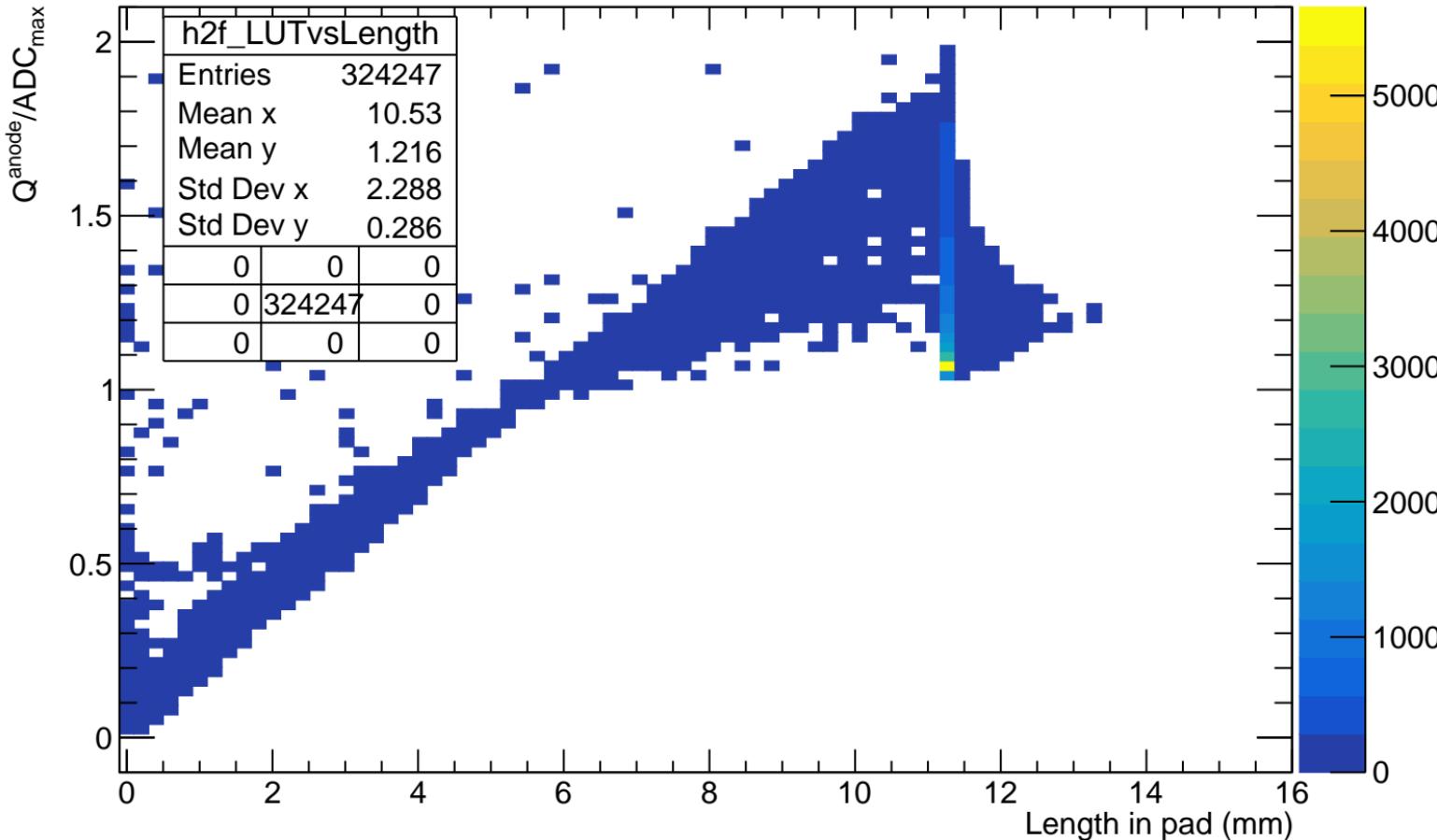


# $Q^{\text{anode}}$ VS length in pad (before length cut)

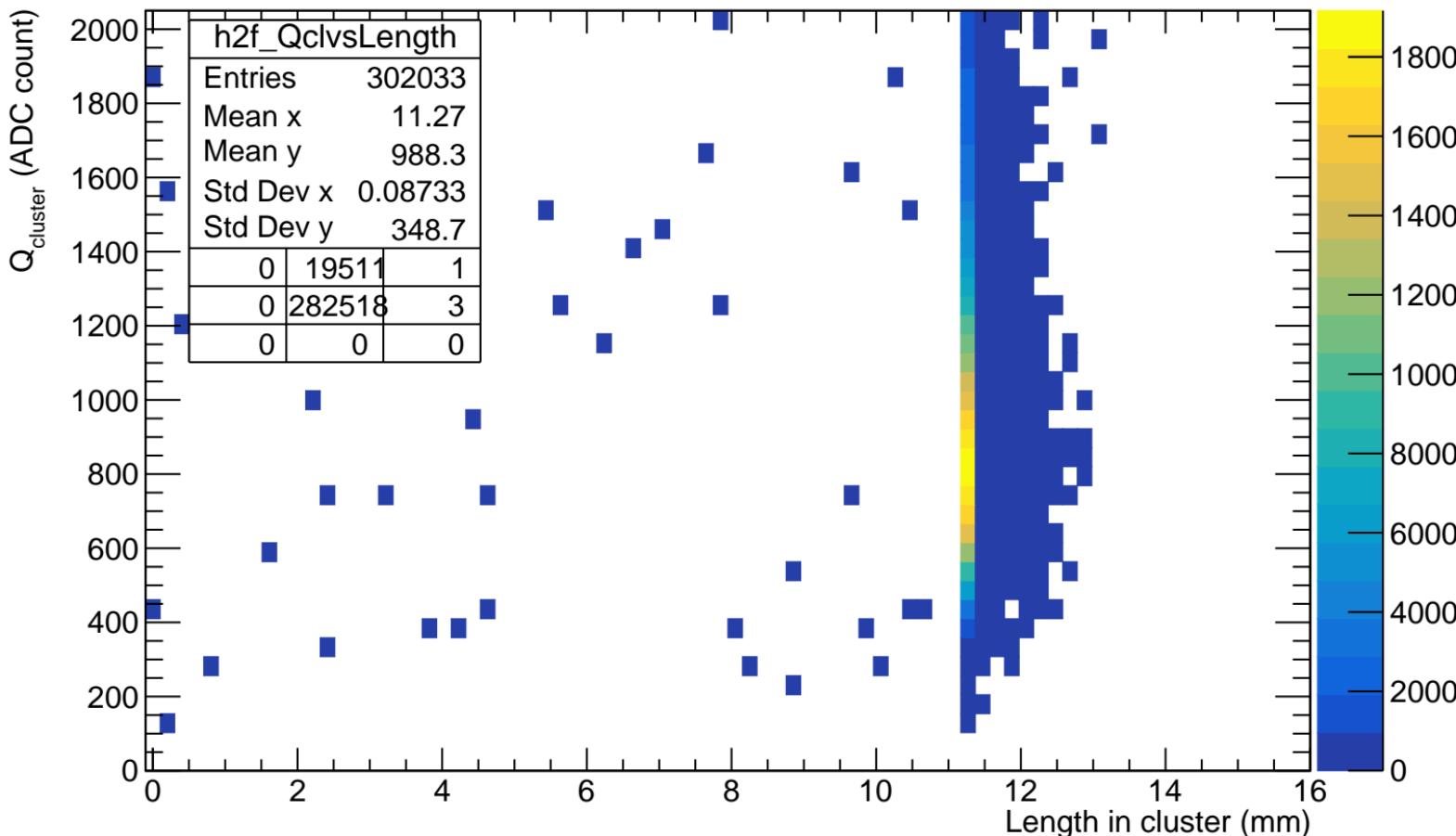
$Q^{\text{anode}}$



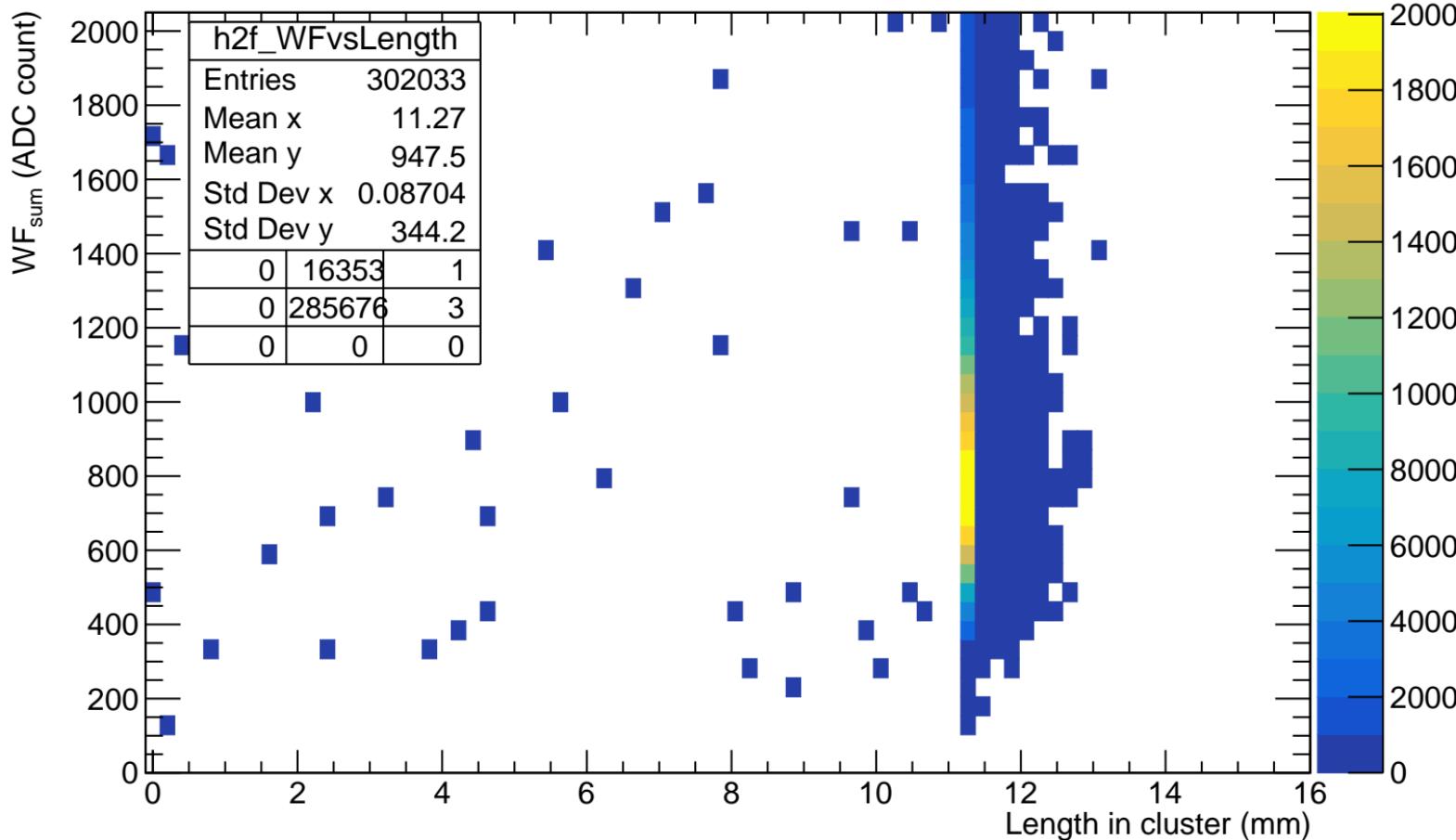
# $Q^{\text{anode}}/\text{ADC}_{\max}$ VS length in pad (before length cut)



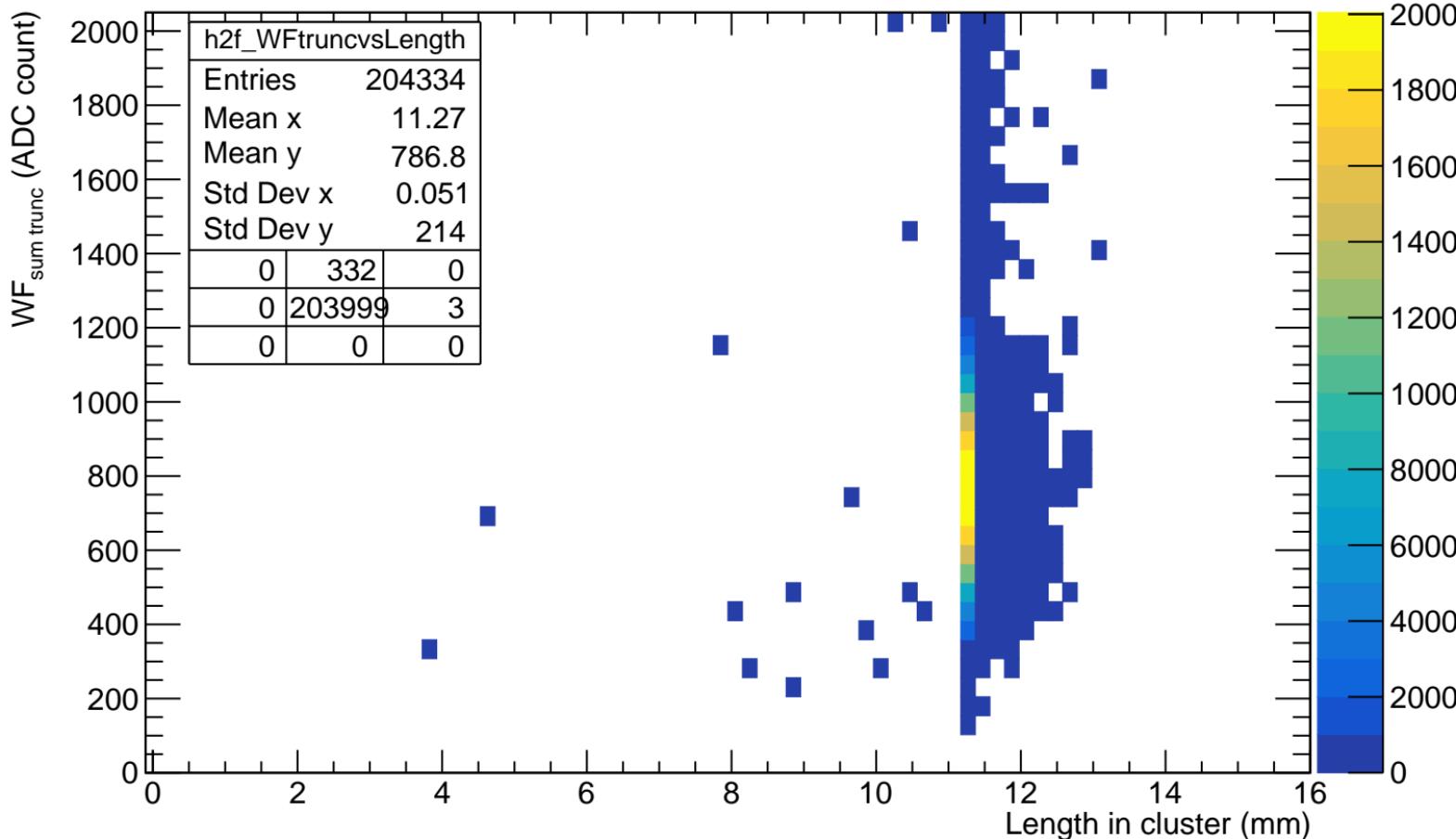
# $Q_{\text{cluster}}$ VS length in cluster



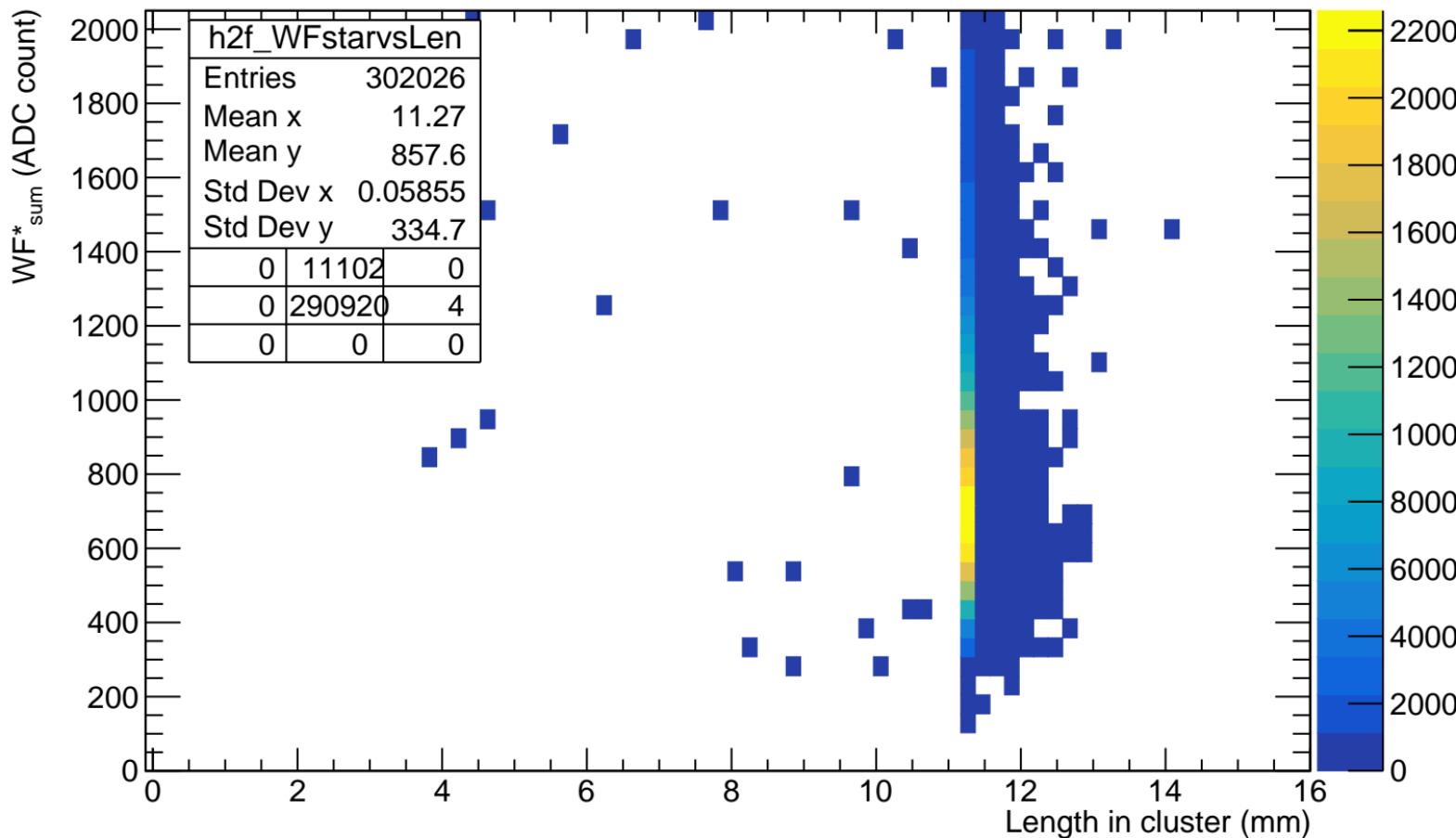
# WF<sub>sum</sub> VS length in cluster



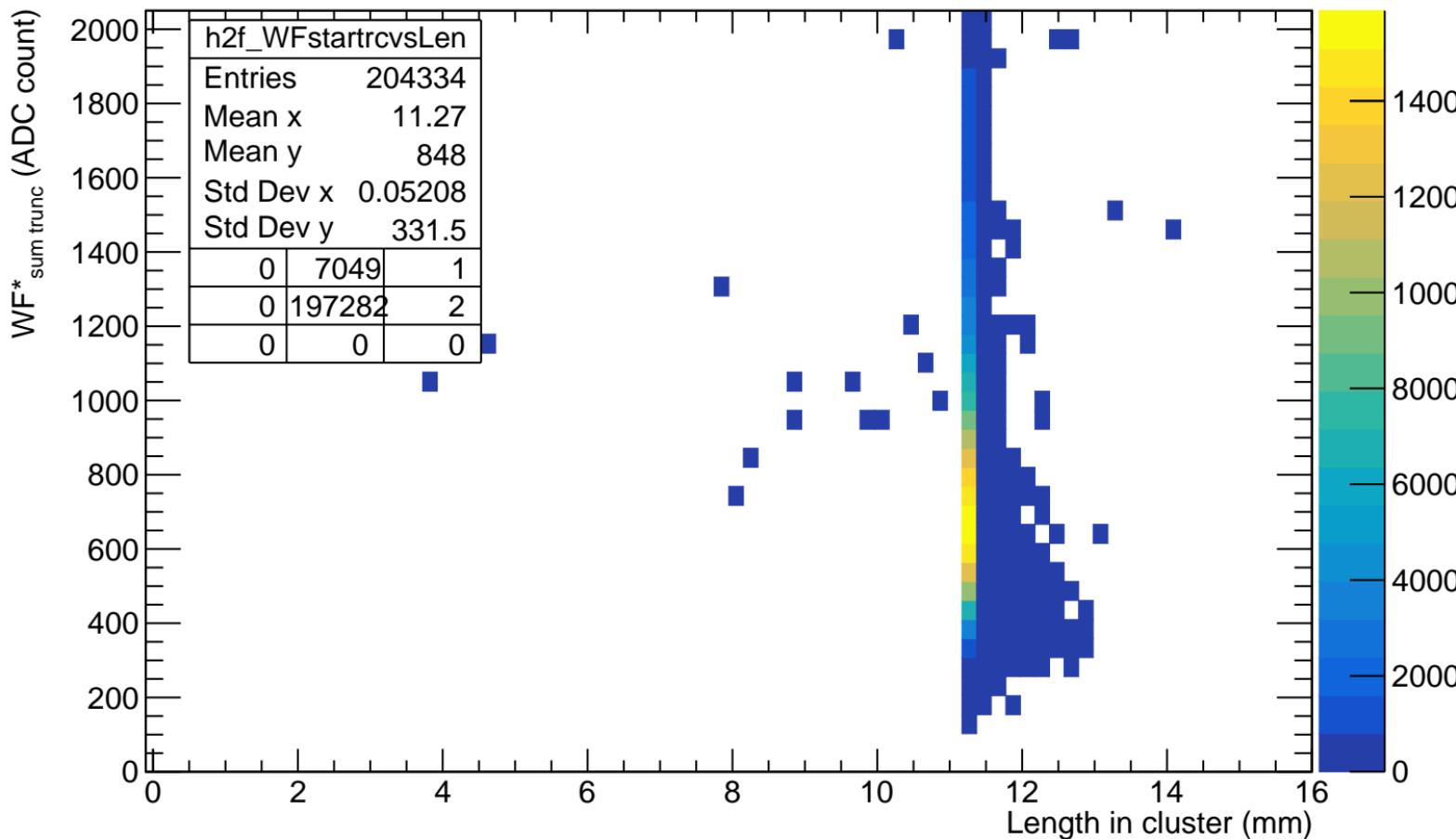
# WF<sub>sum</sub> truncated VS length in cluster

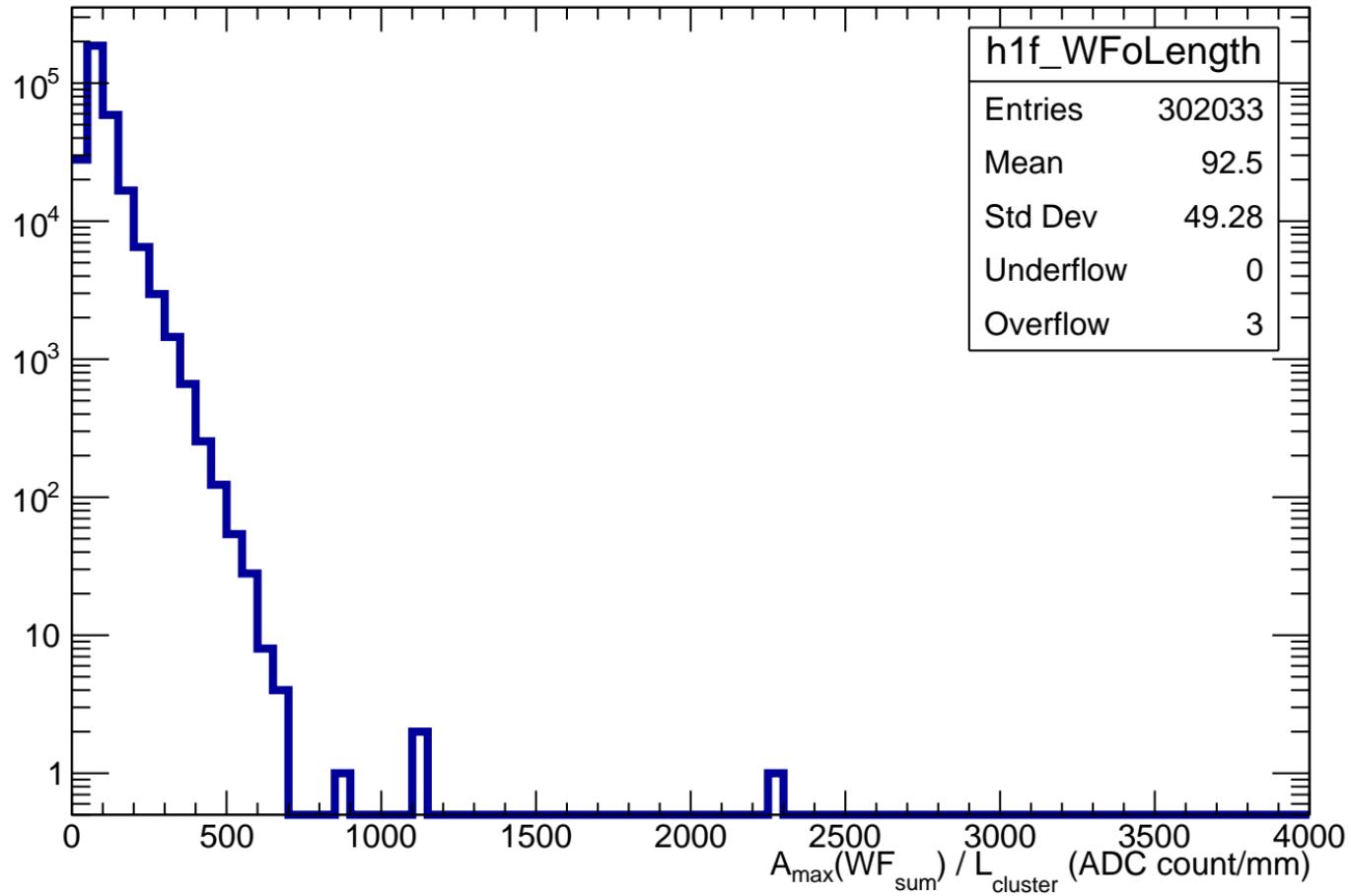


# WF<sup>\*</sup><sub>sum</sub> VS length in cluster



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



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

impact parameter d vs length in pad

