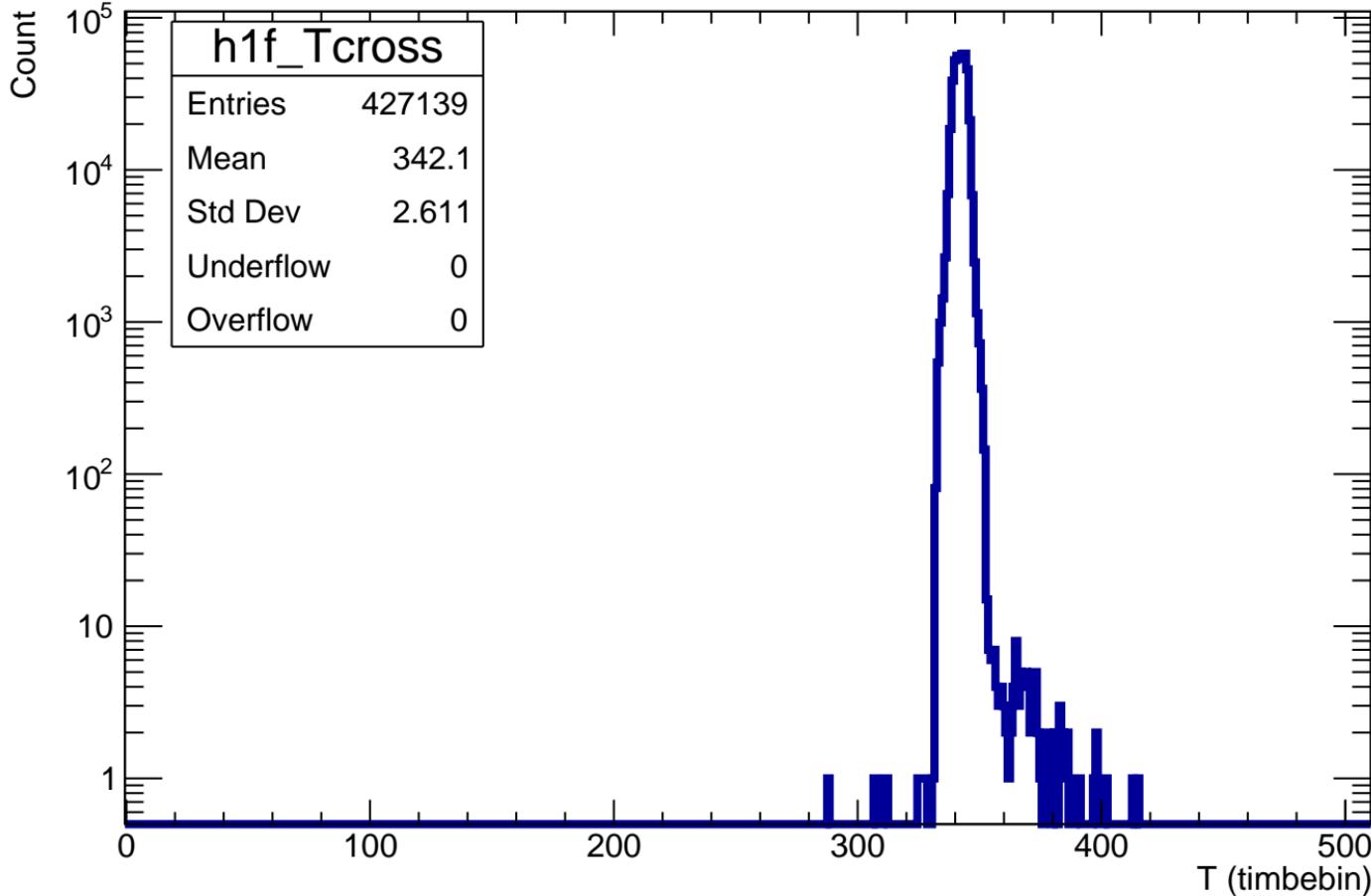
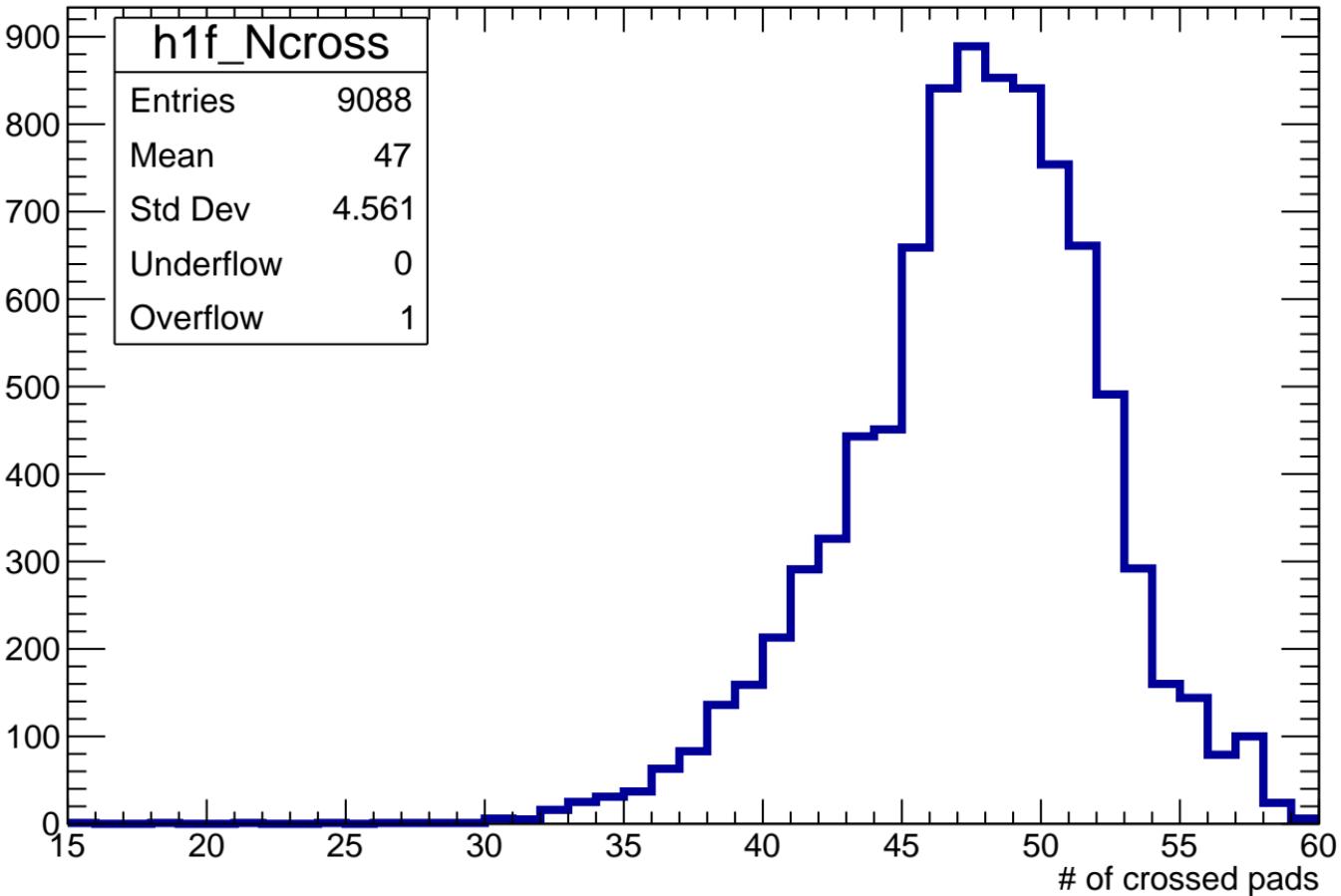


# $T_{\max}$ of crossed pads



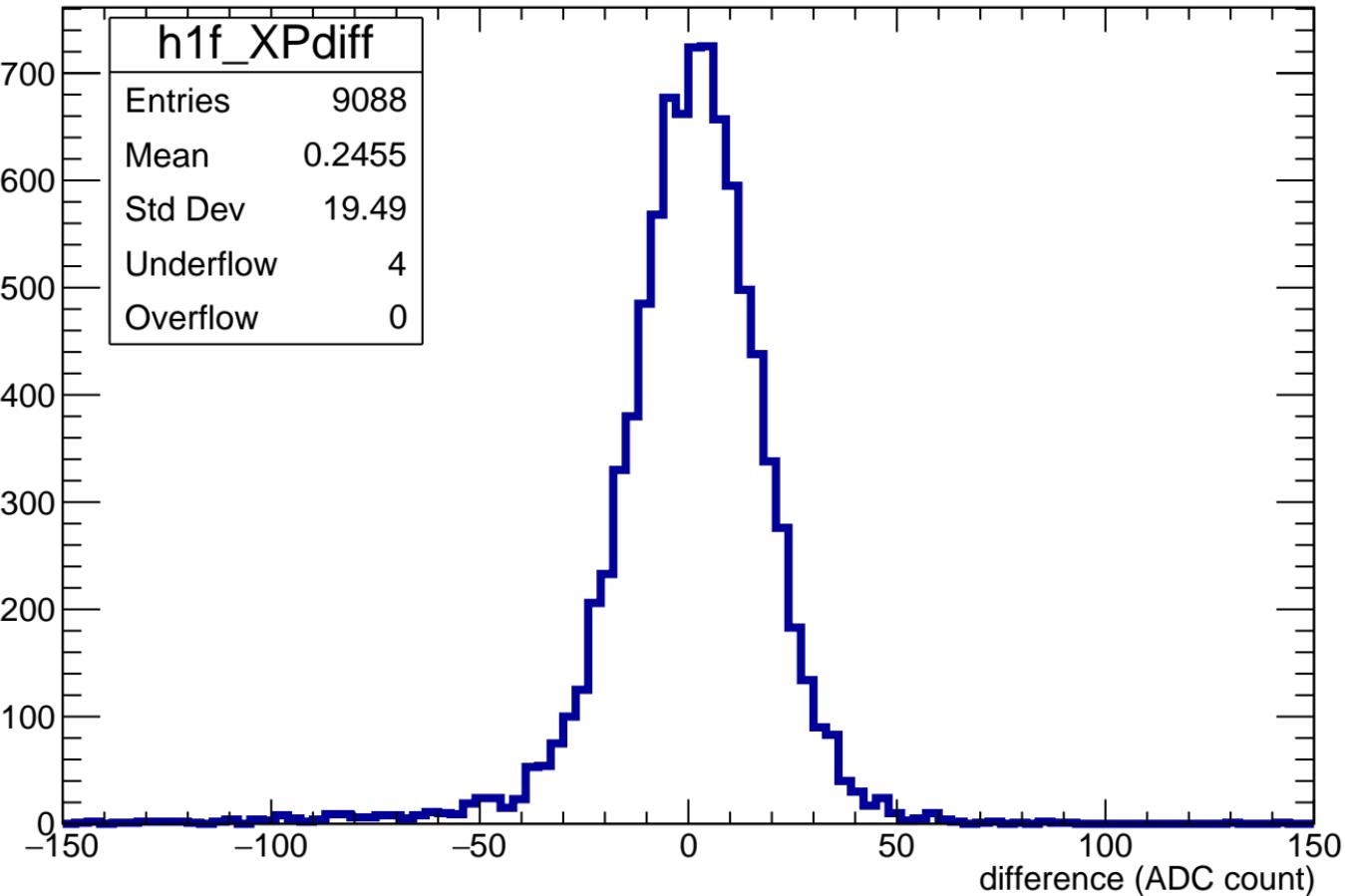
# Number of crossed pads

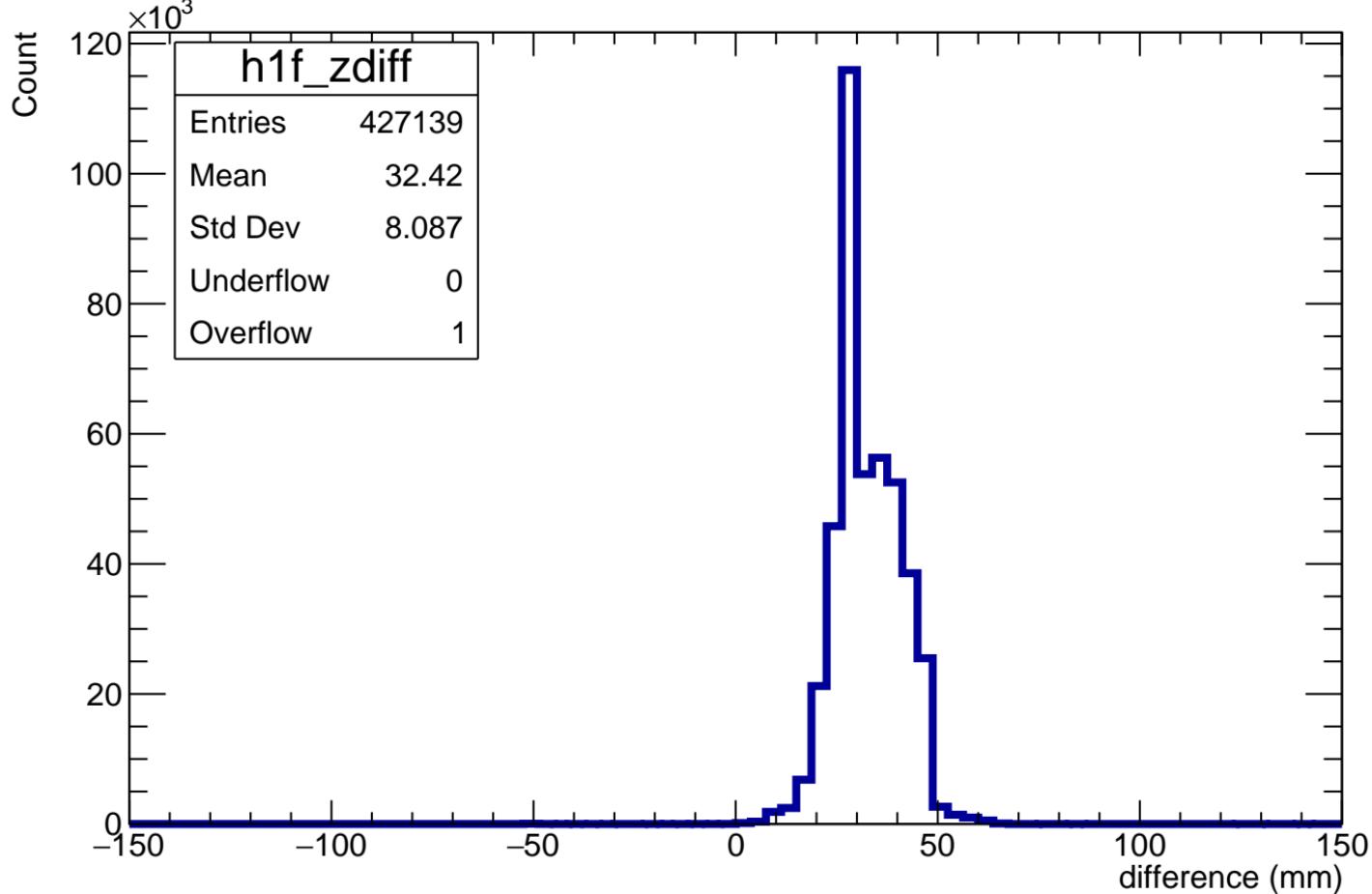
Count



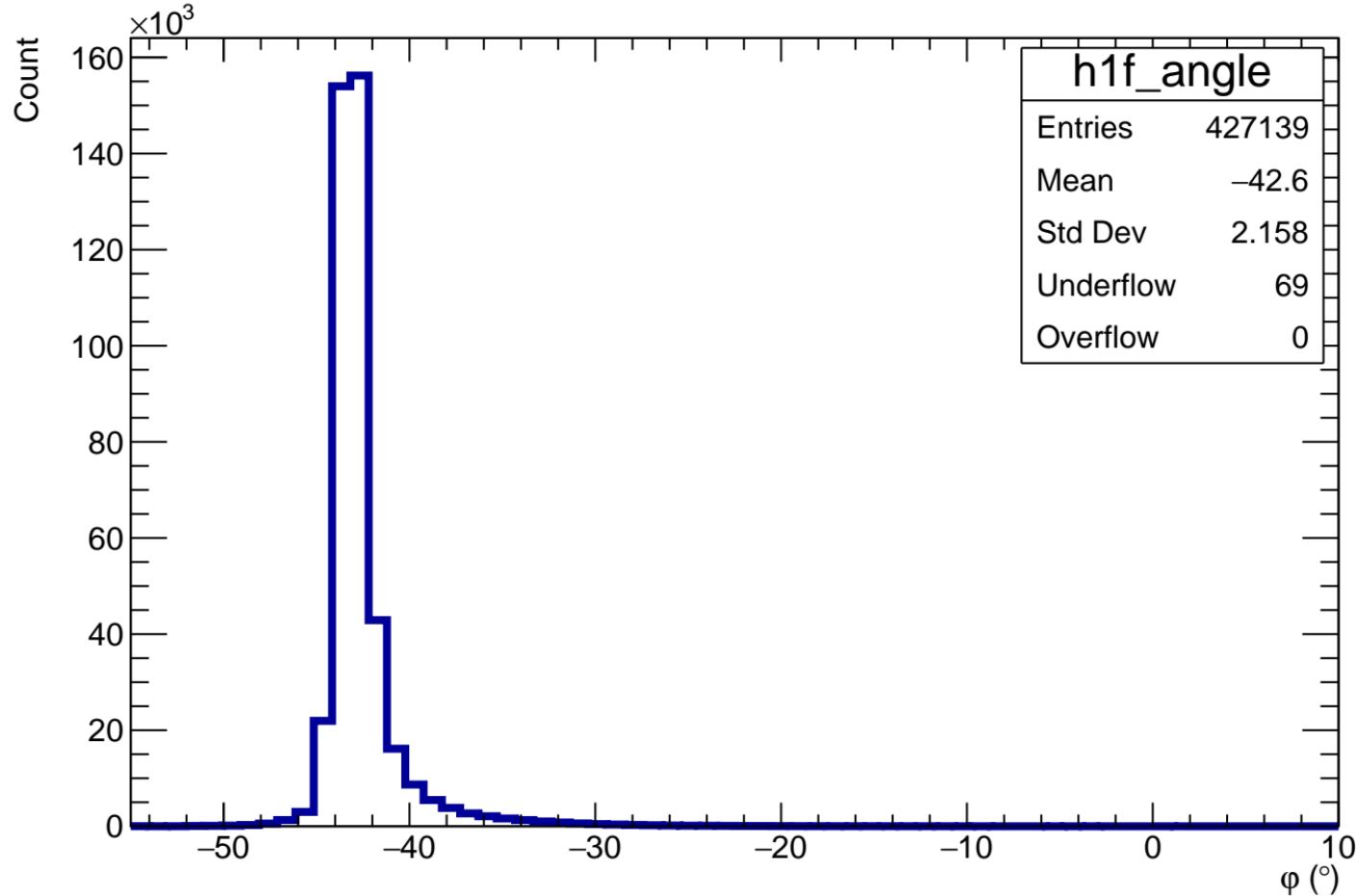
$$\Sigma(Q)/\Sigma(\text{length}) - \text{mean}\{Q/\text{length}\}$$

Count



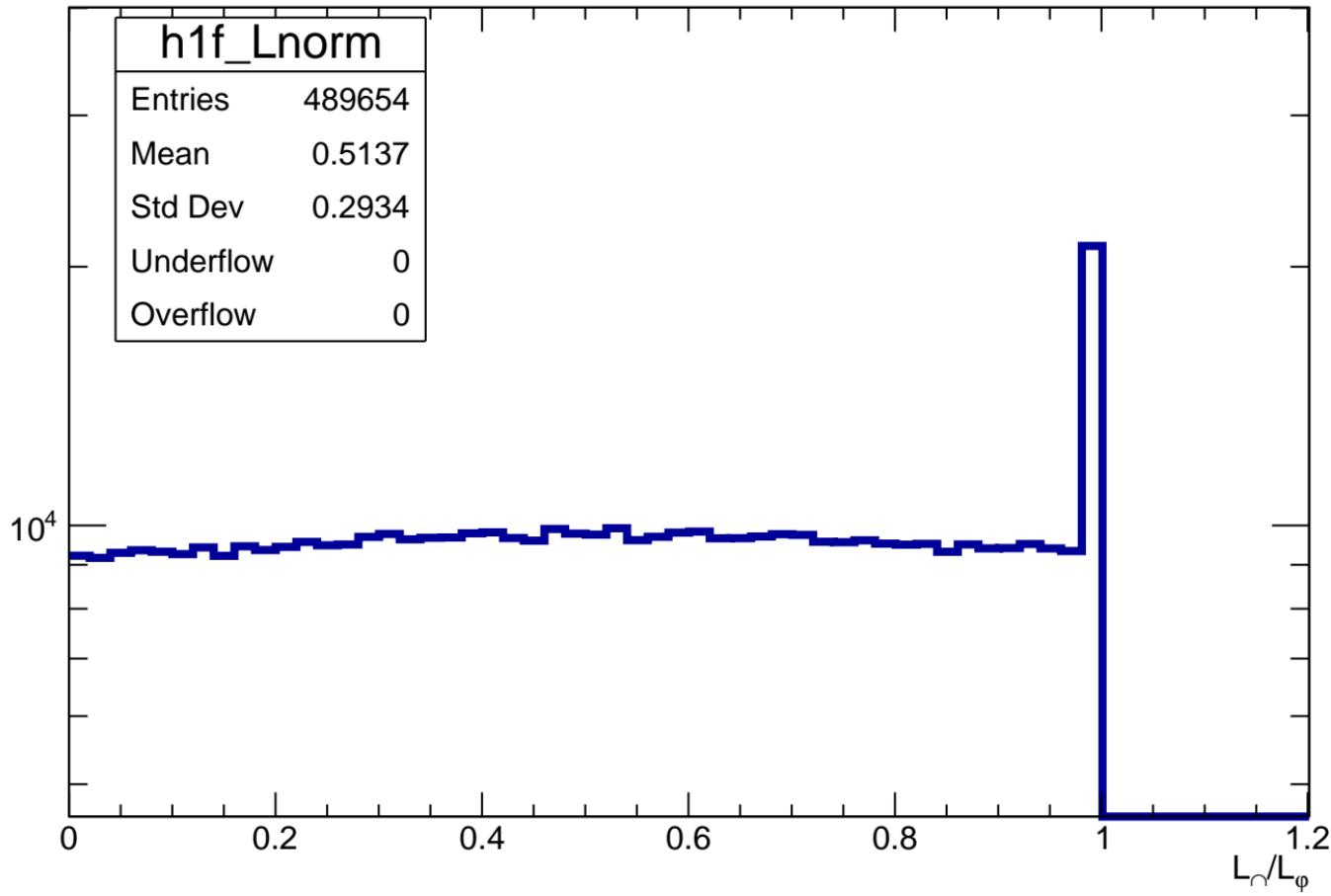
$Z_{\text{file}} = 950\text{mm} - Z_{\text{computed}}$ 

# Angle $\varphi$ in each pad

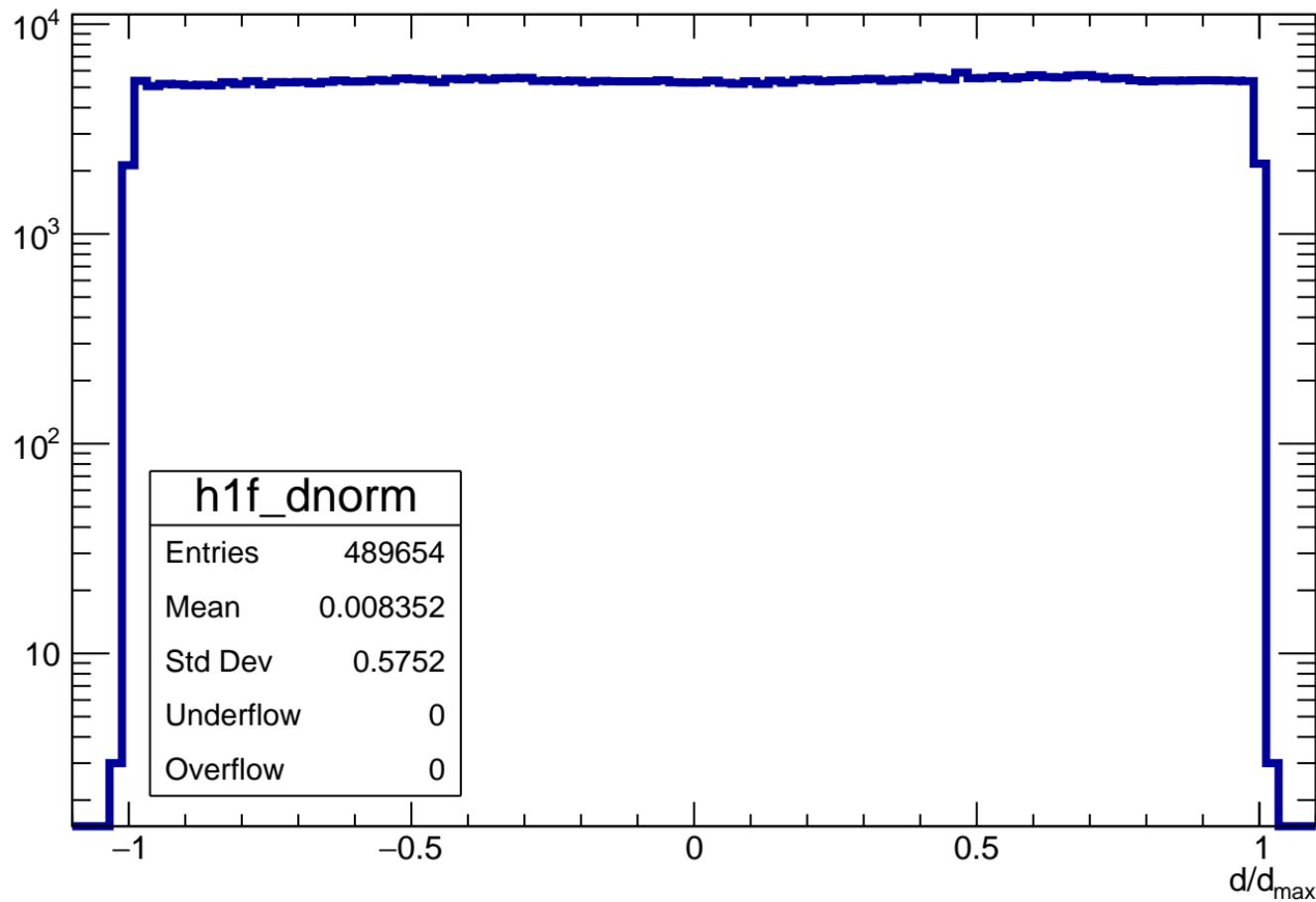


Length in pad normalized to maximum length in pad for a given  $\phi$

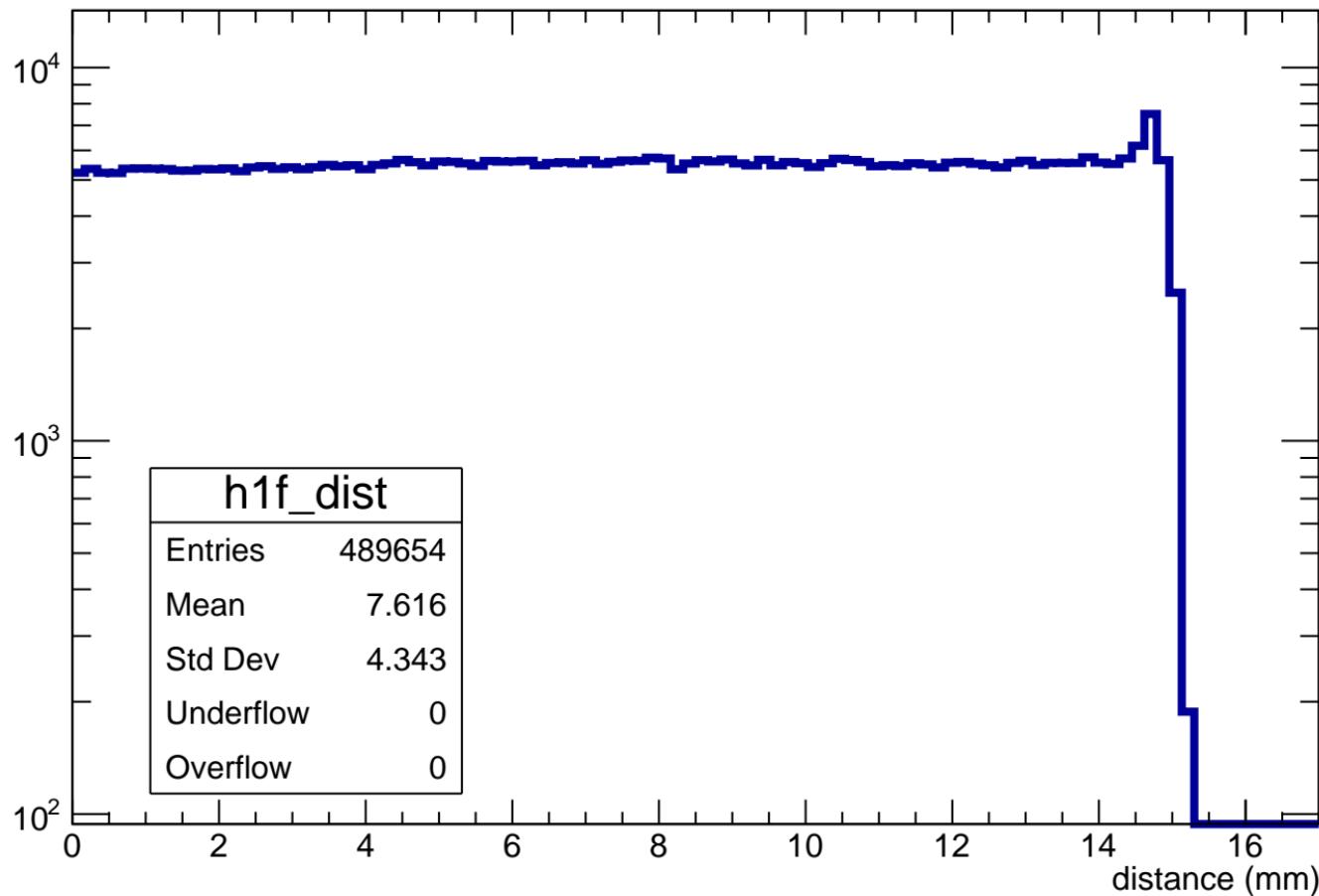
Count



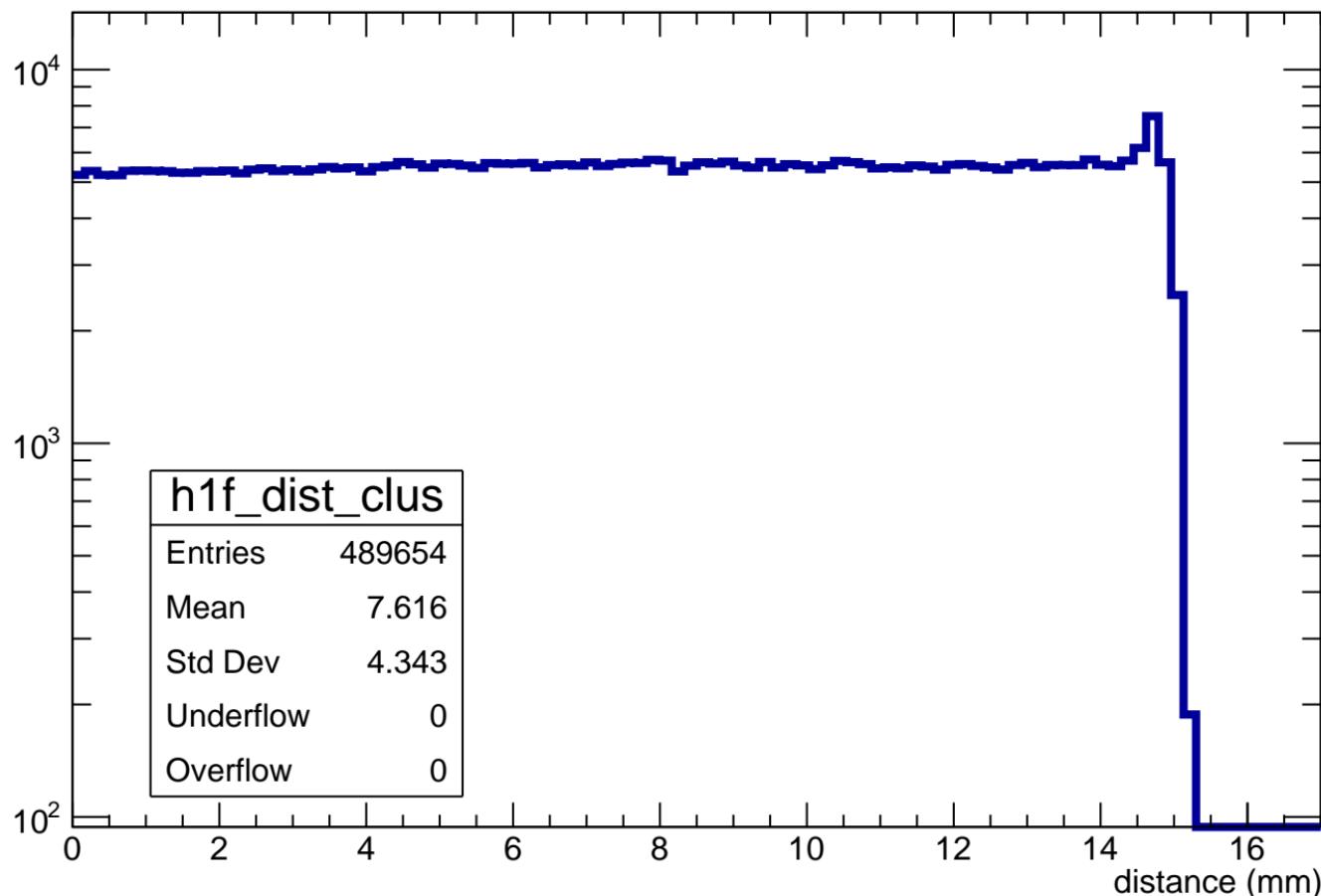
# Normalized impact parameter $d/d_{\max}$



# distance of track in pad

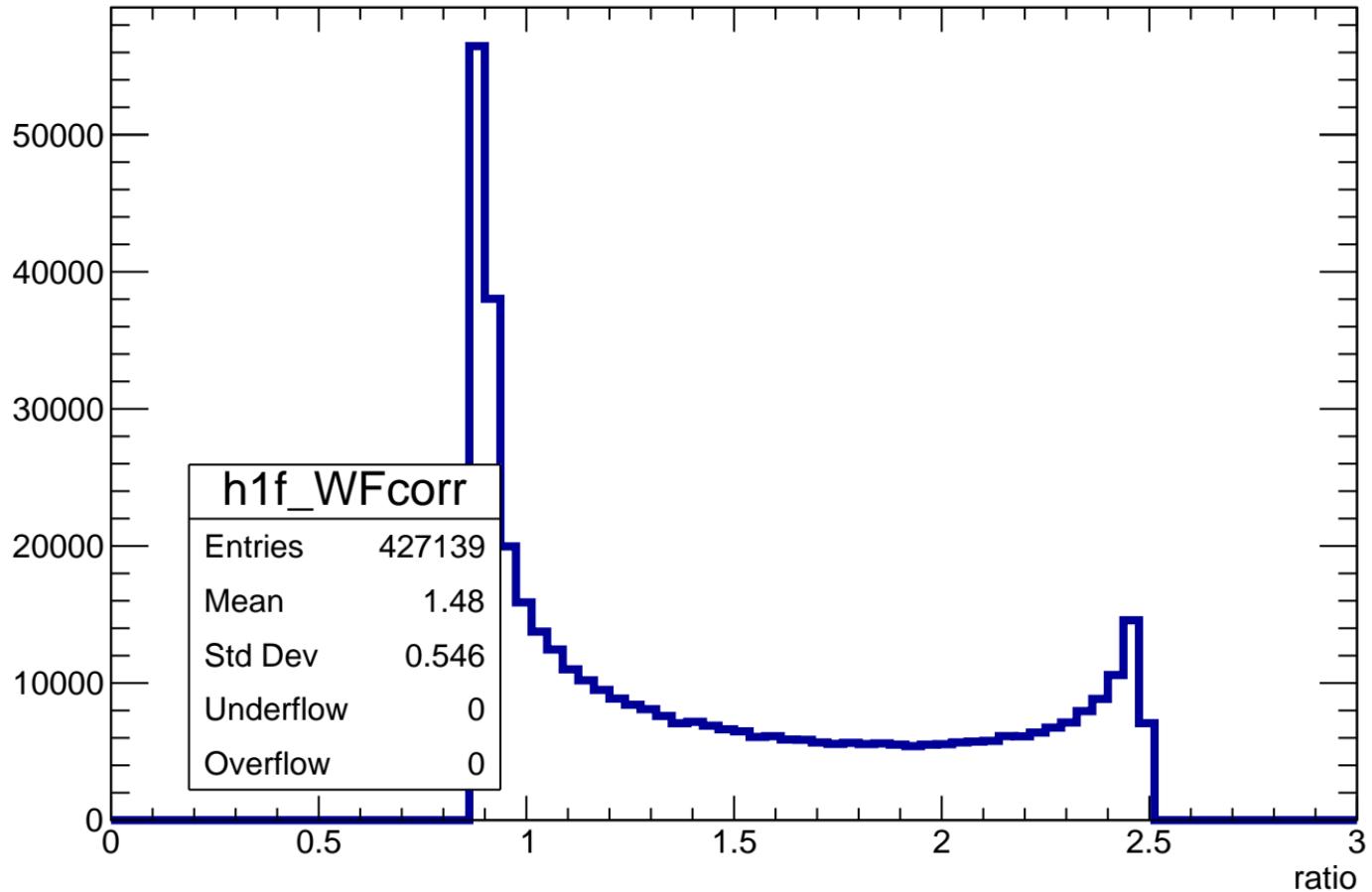


# distance of track in cluster



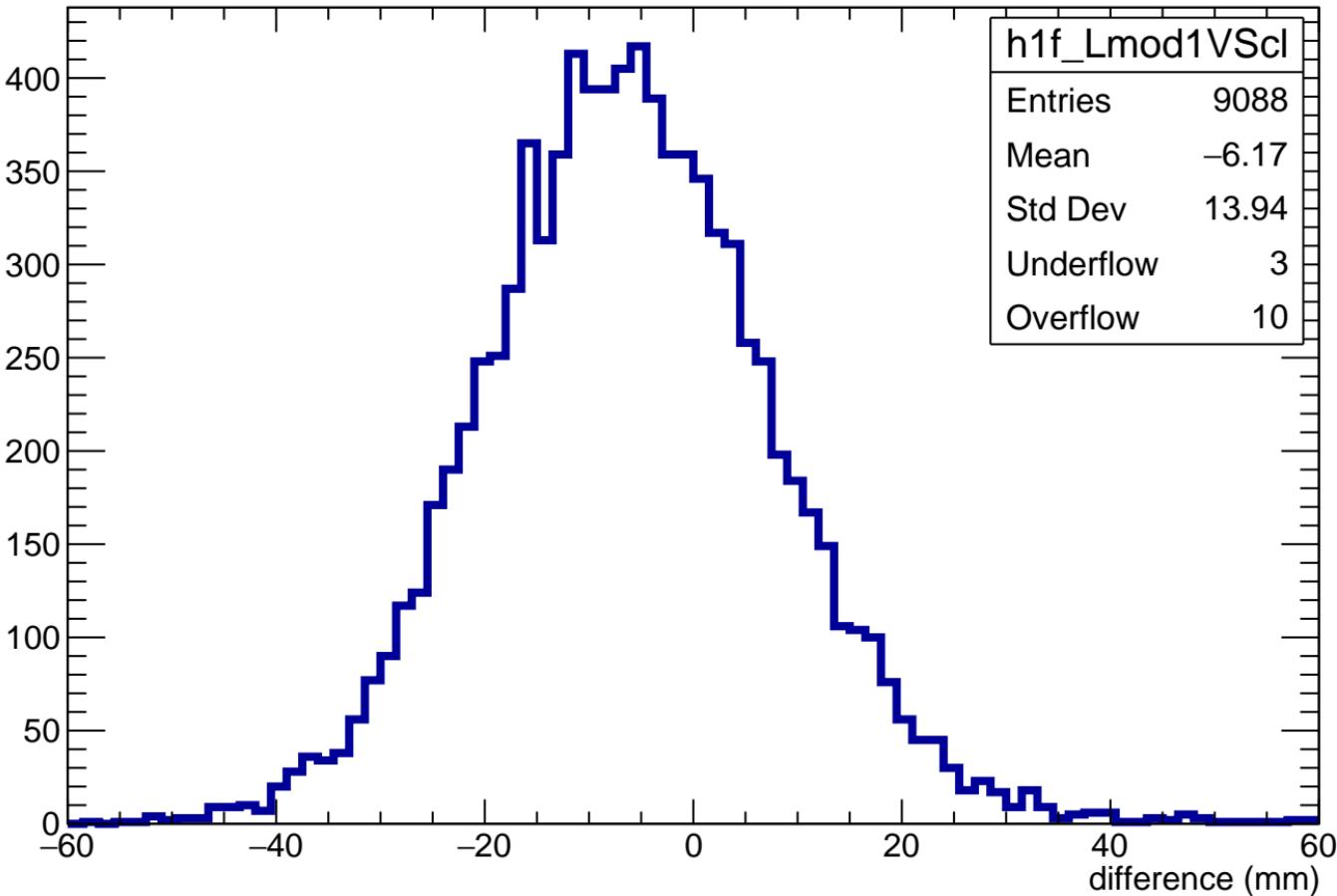
# Correction A<sub>max</sub> ratio

Count



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

Count



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

Count

h1f\_Lmod2VScI

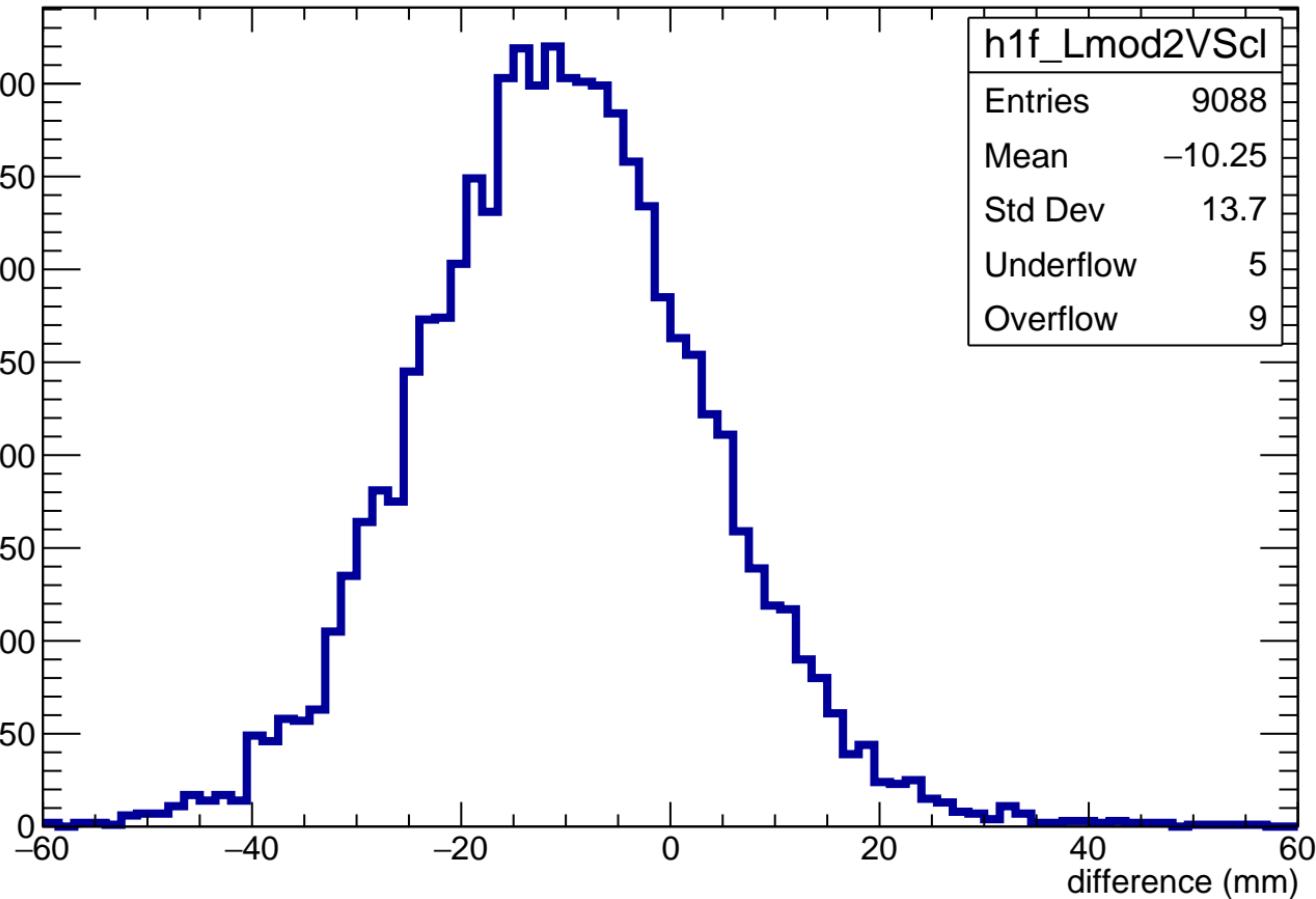
Entries 9088

Mean -10.25

Std Dev 13.7

Underflow 5

Overflow 9



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

Count

1800  
1600  
1400  
1200  
1000  
800  
600  
400  
200  
0

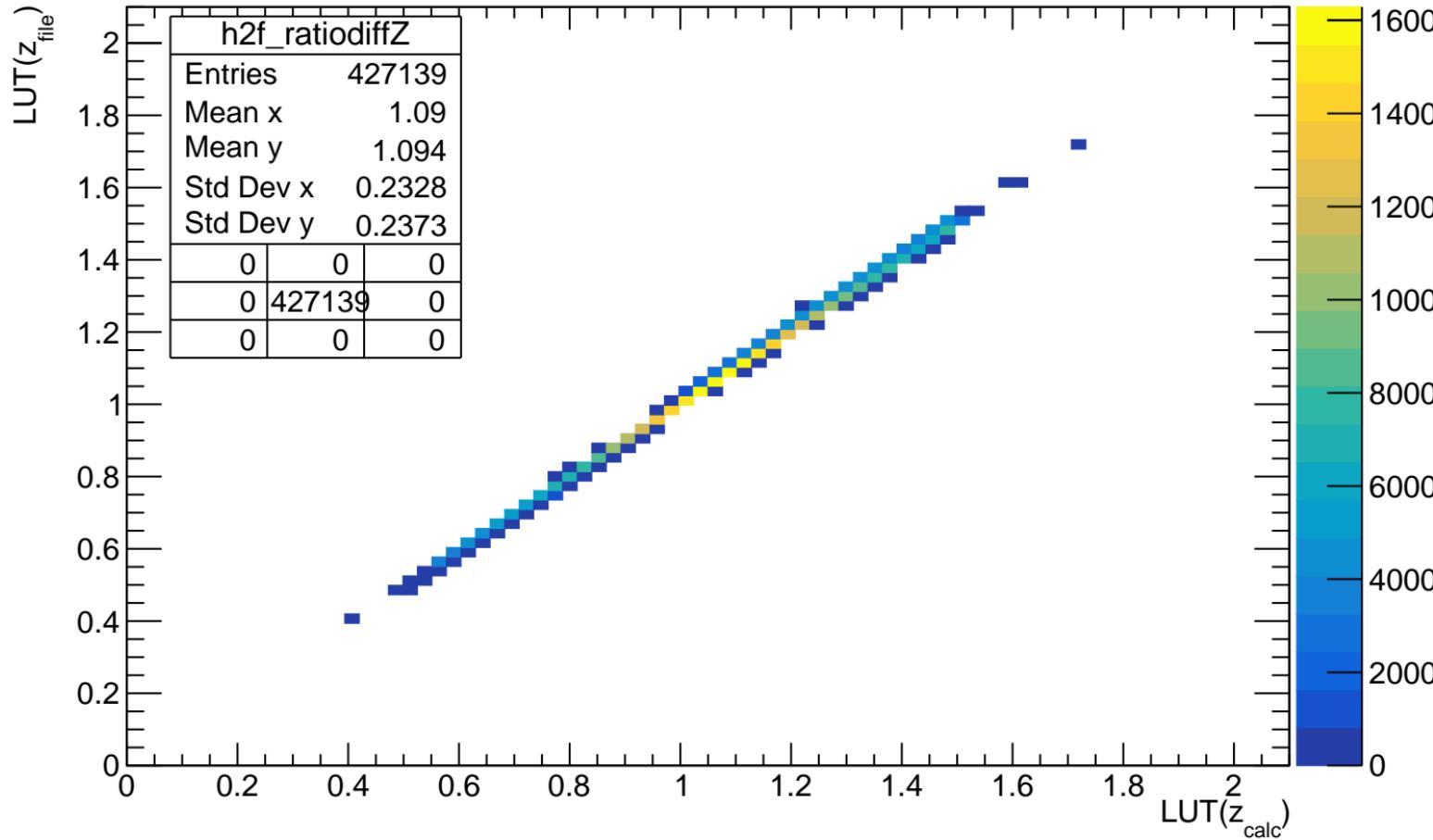
h1f\_LallVScl

Entries	9088
Mean	6.899
Std Dev	3.97
Underflow	0
Overflow	0

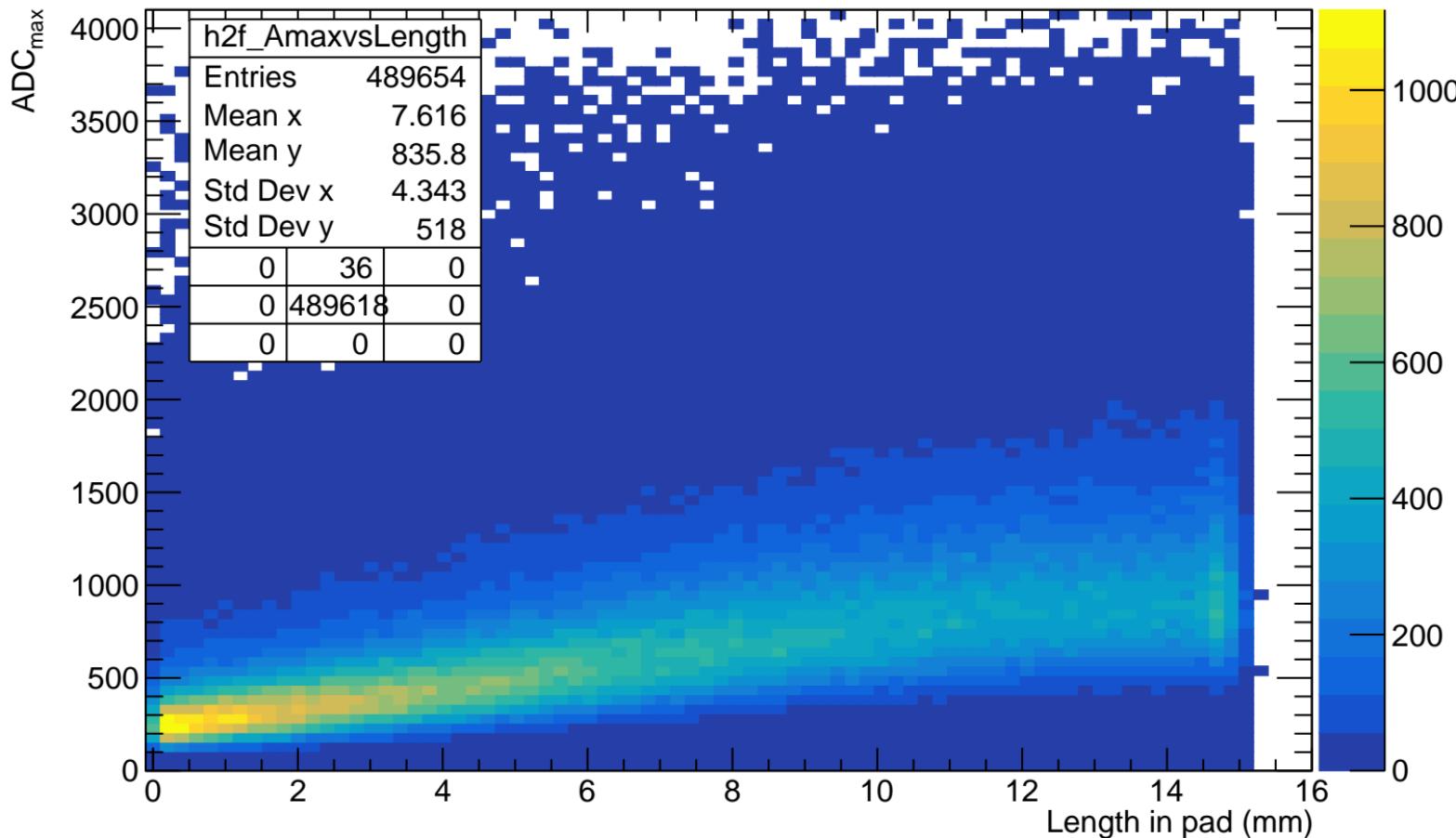
-60 -40 -20 0 20 40 60  
difference (mm)

1

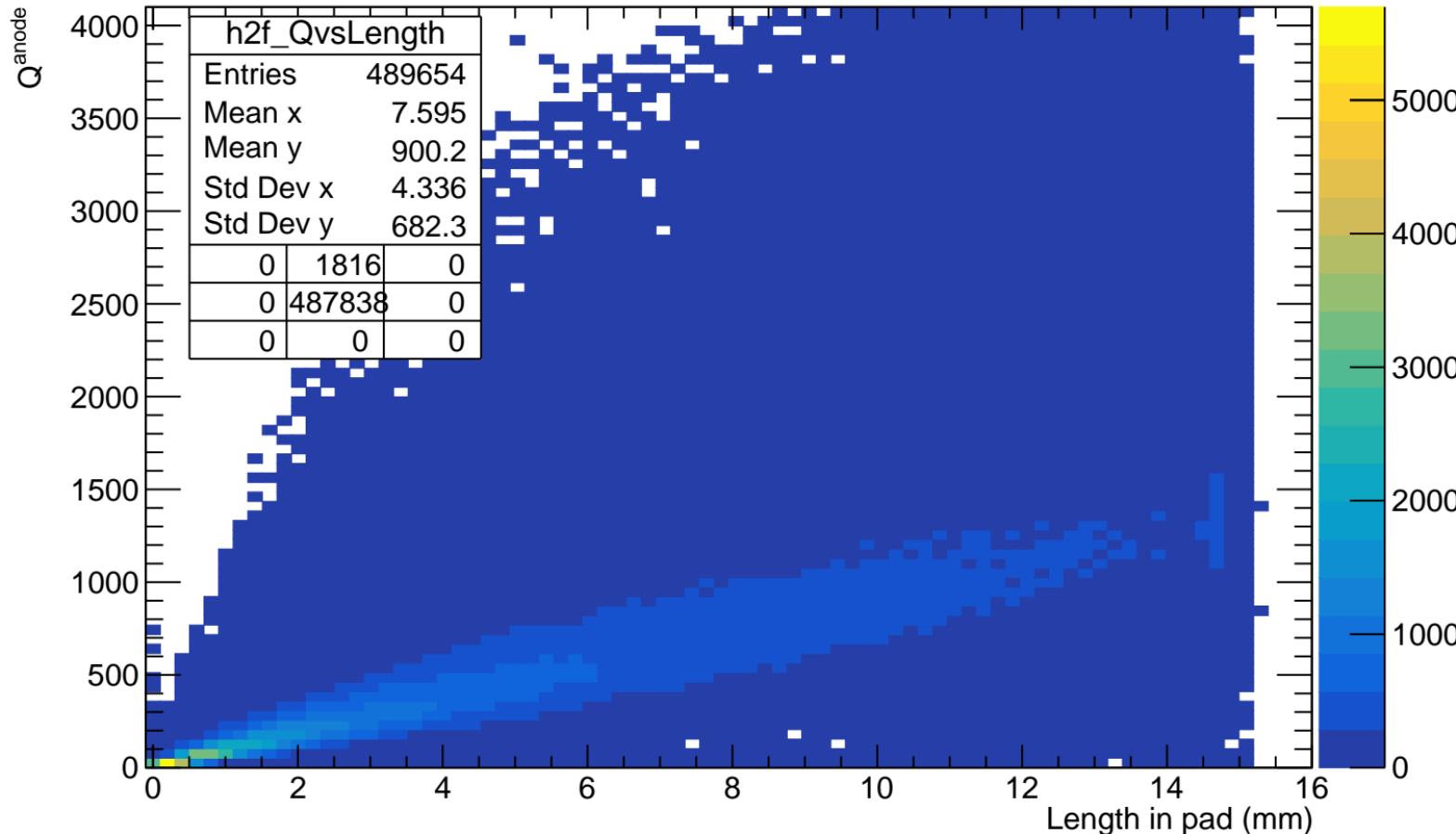
# LUT( $z_{\text{file}}$ ) vs LUT( $z_{\text{calc}}$ )



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

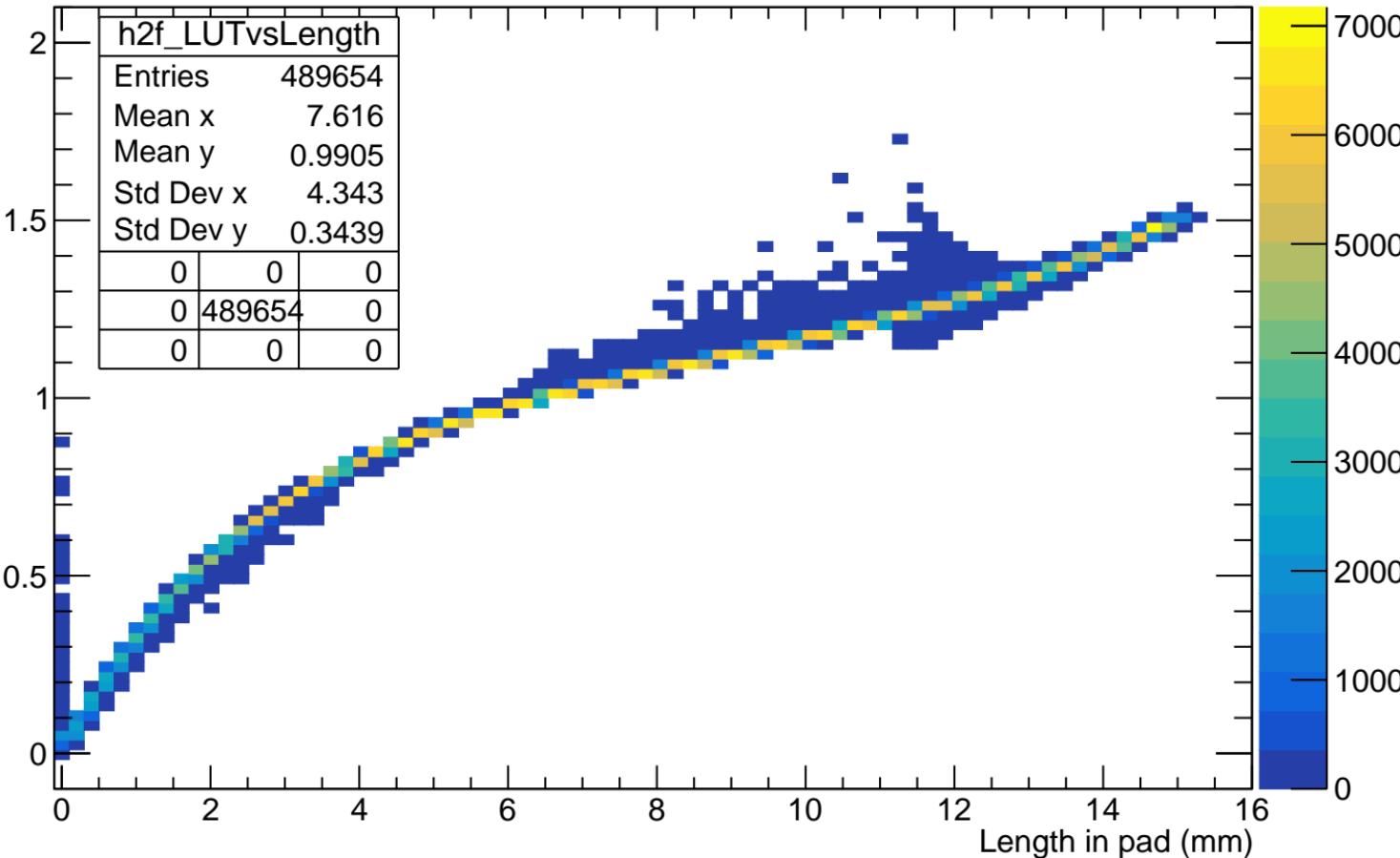


# $Q^{\text{anode}}$ VS length in pad (before length cut)

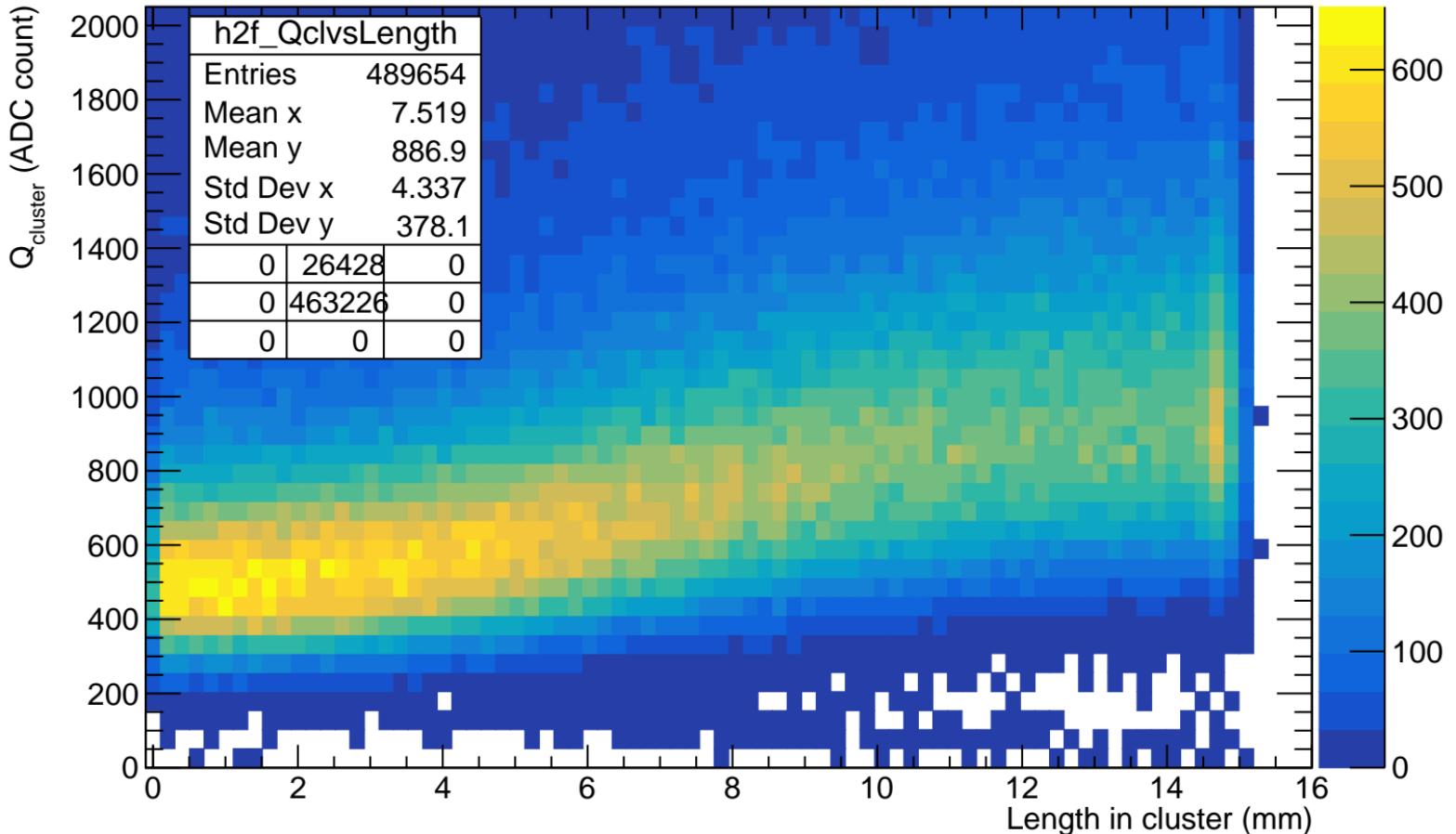


# $Q^{\text{anode}}/\text{ADC}_{\max}$ VS length in pad (before length cut)

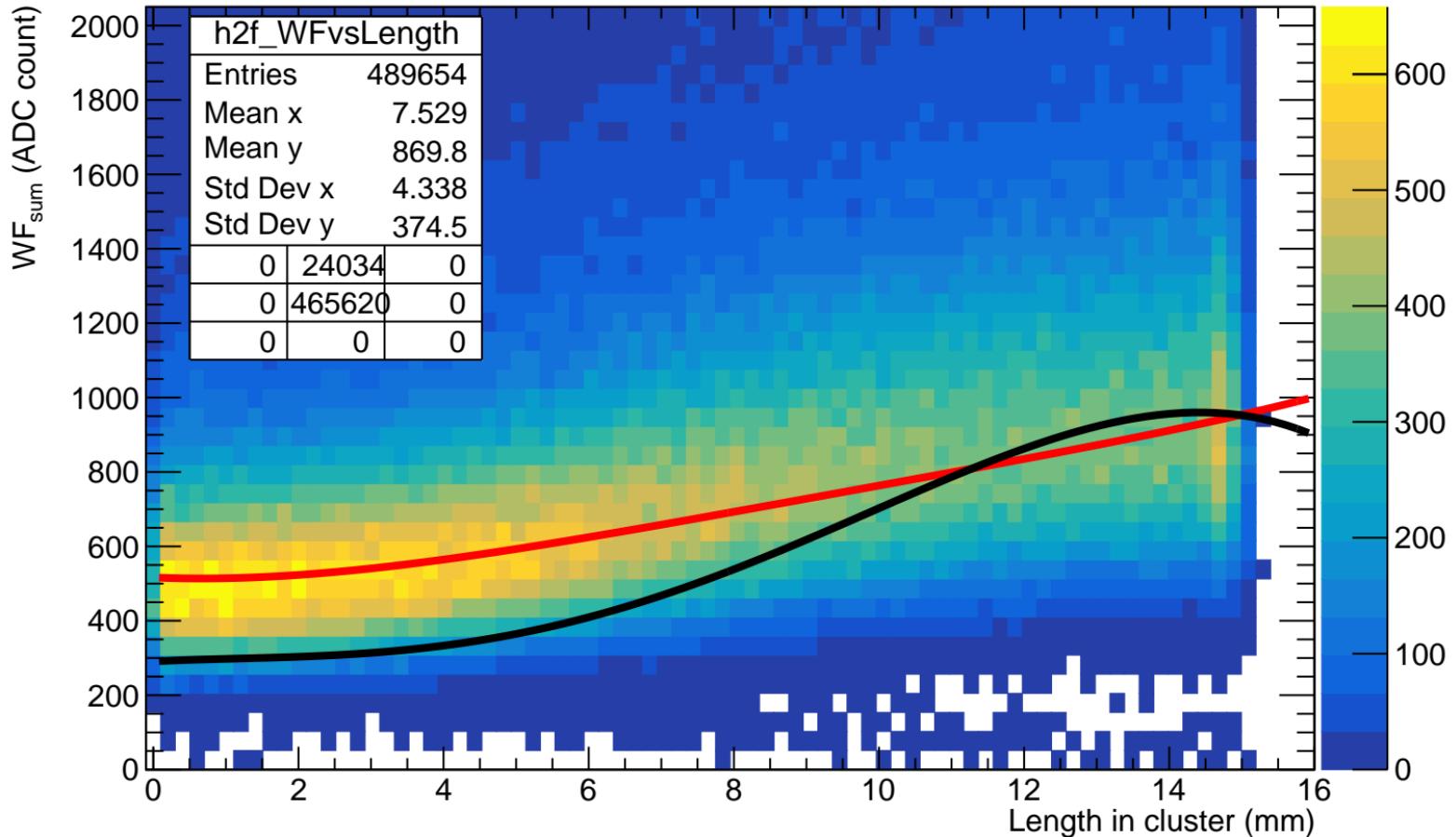
$Q^{\text{anode}}/\text{ADC}_{\max}$



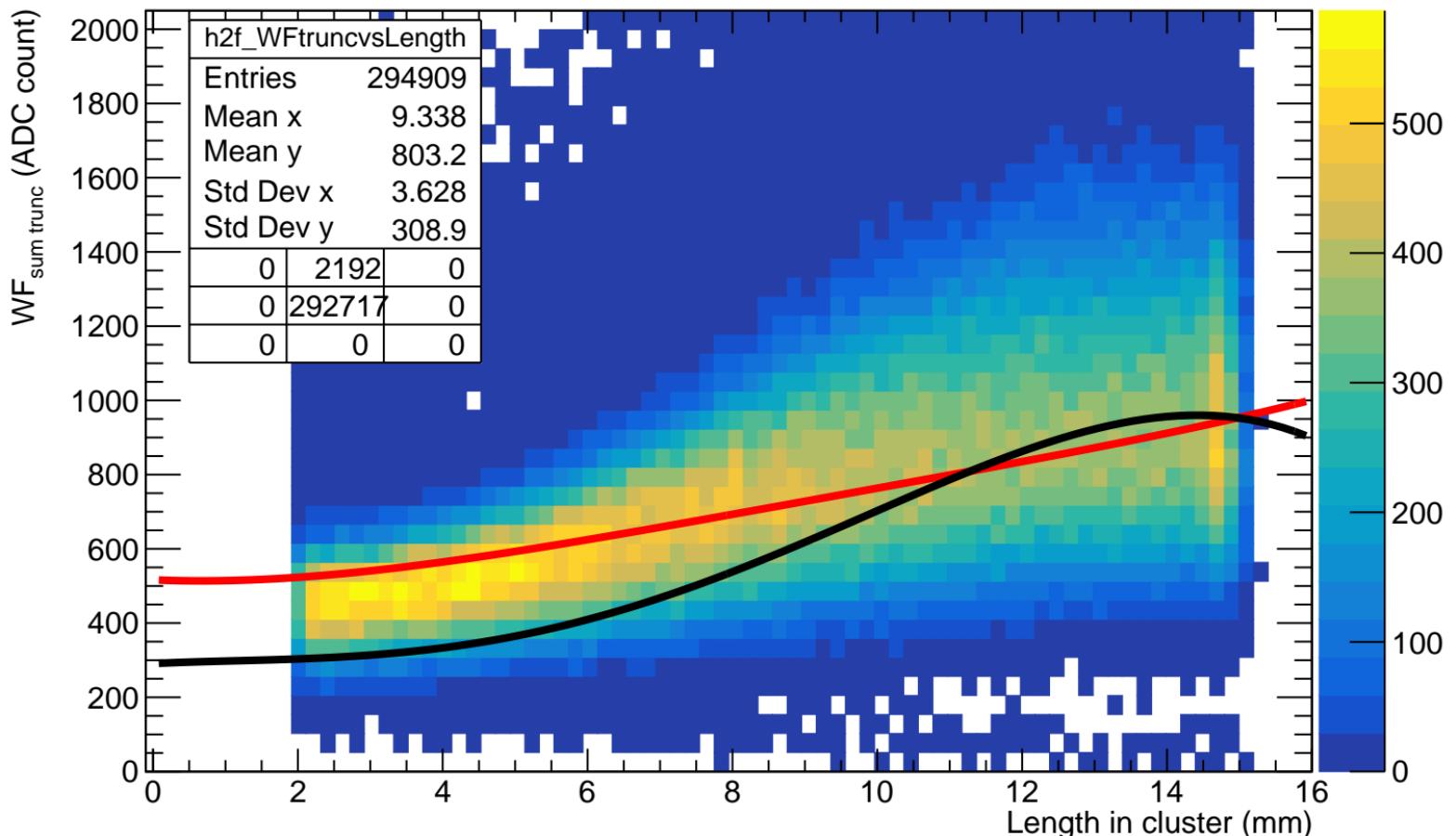
# $Q_{\text{cluster}}$ VS length in cluster



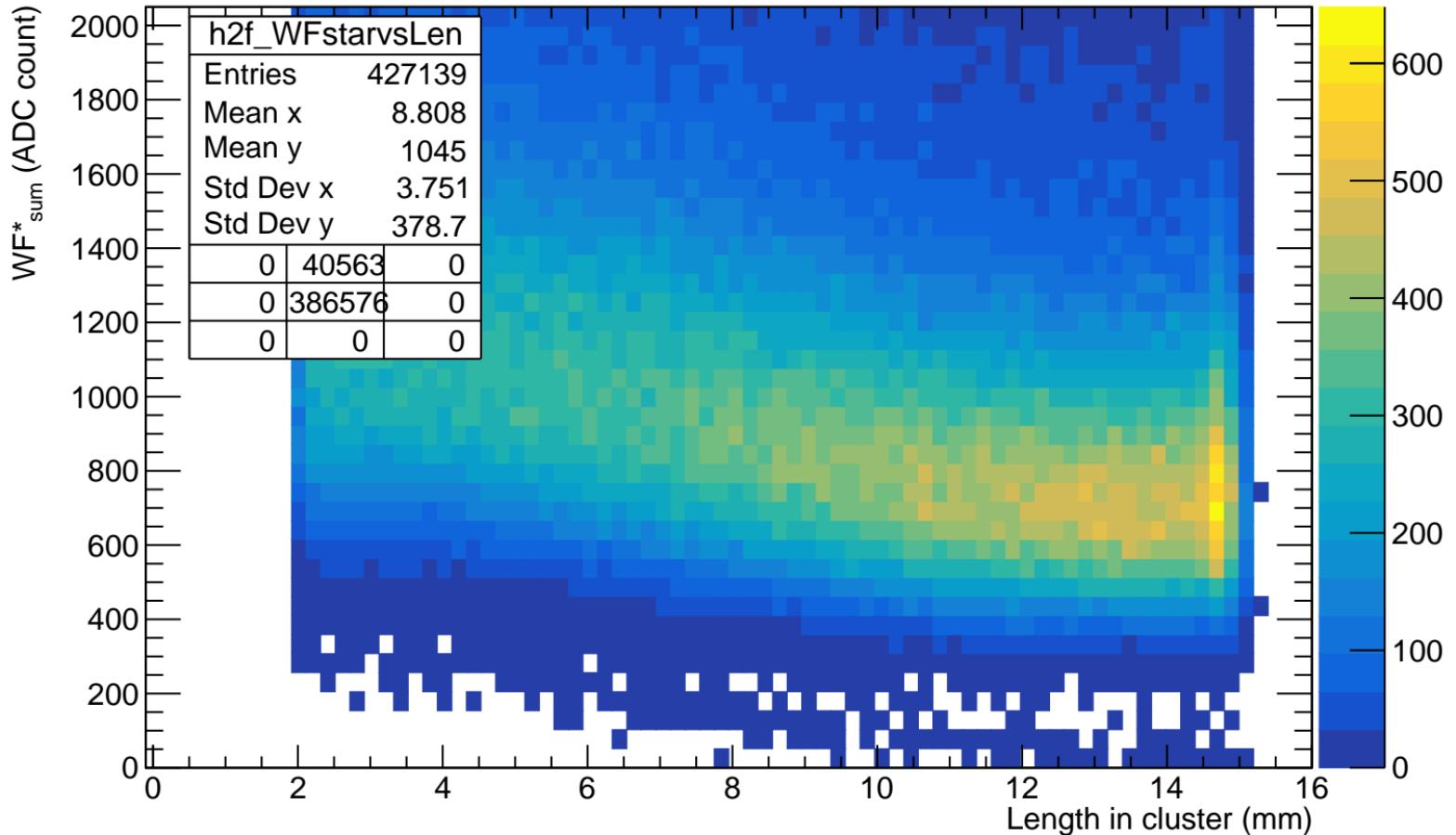
# WF<sub>sum</sub> VS length in cluster



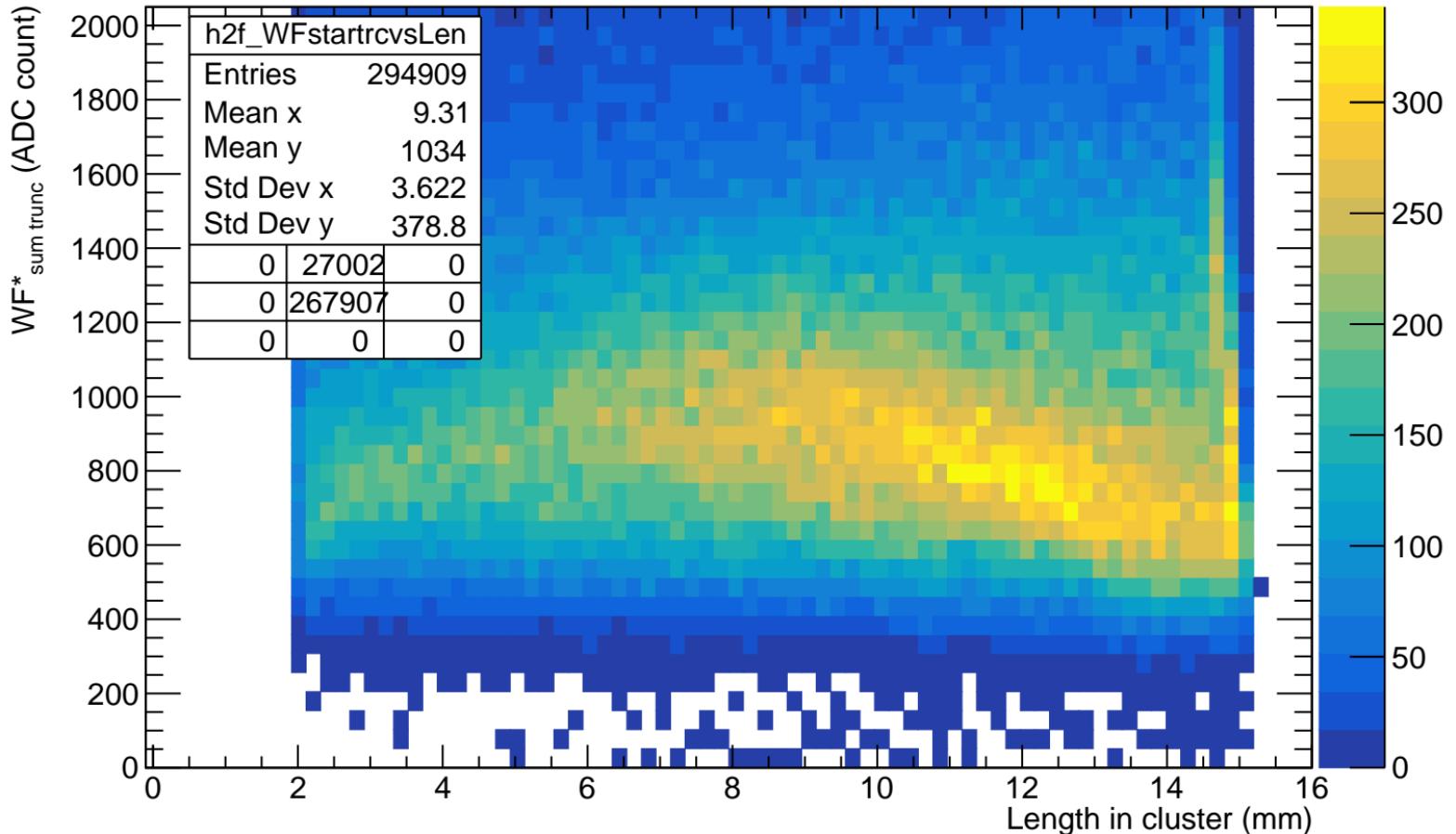
# WF<sub>sum</sub> truncated VS length in cluster

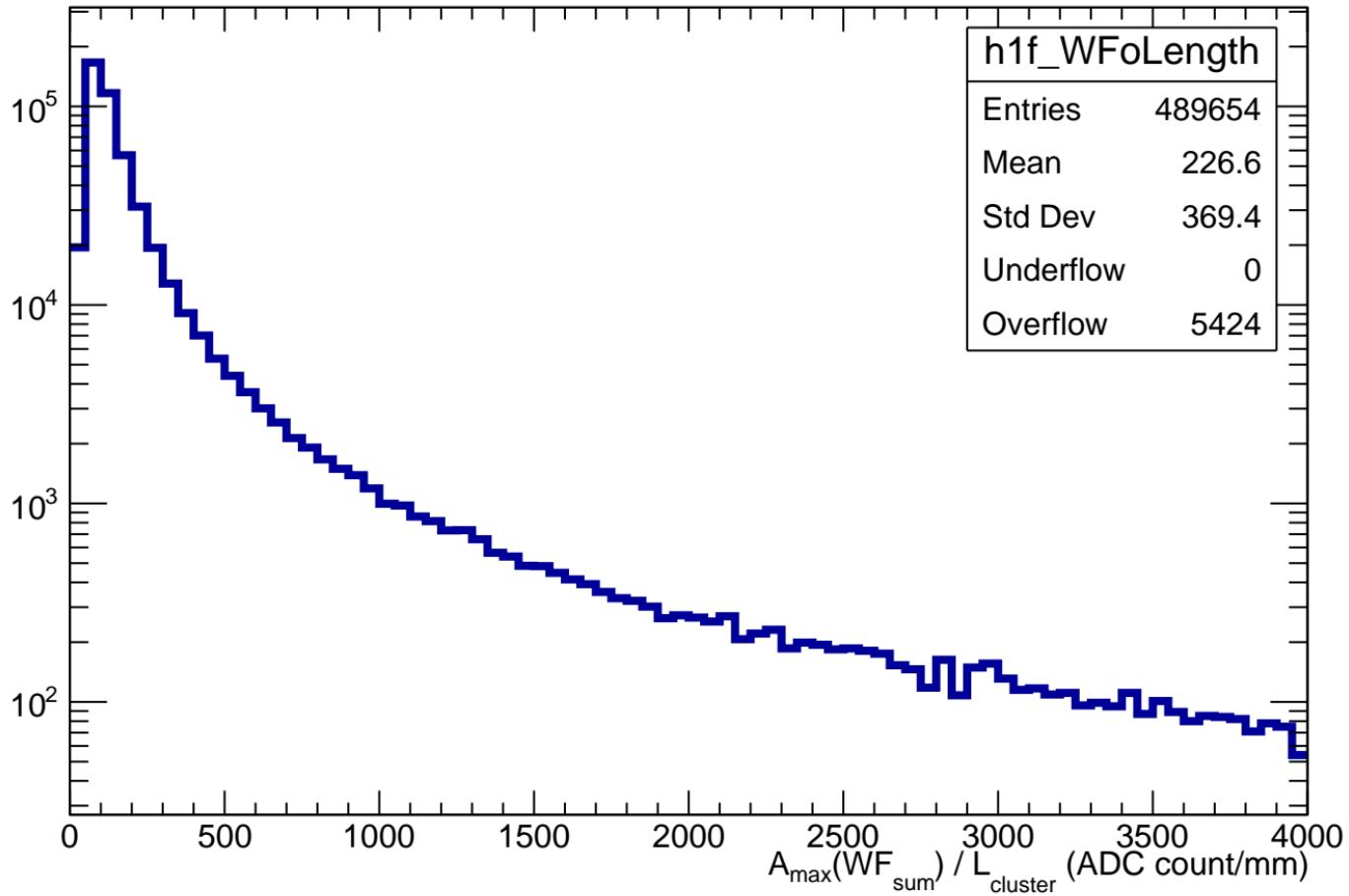


# WF<sup>\*</sup><sub>sum</sub> VS length in cluster



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



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

impact parameter d vs length in pad

