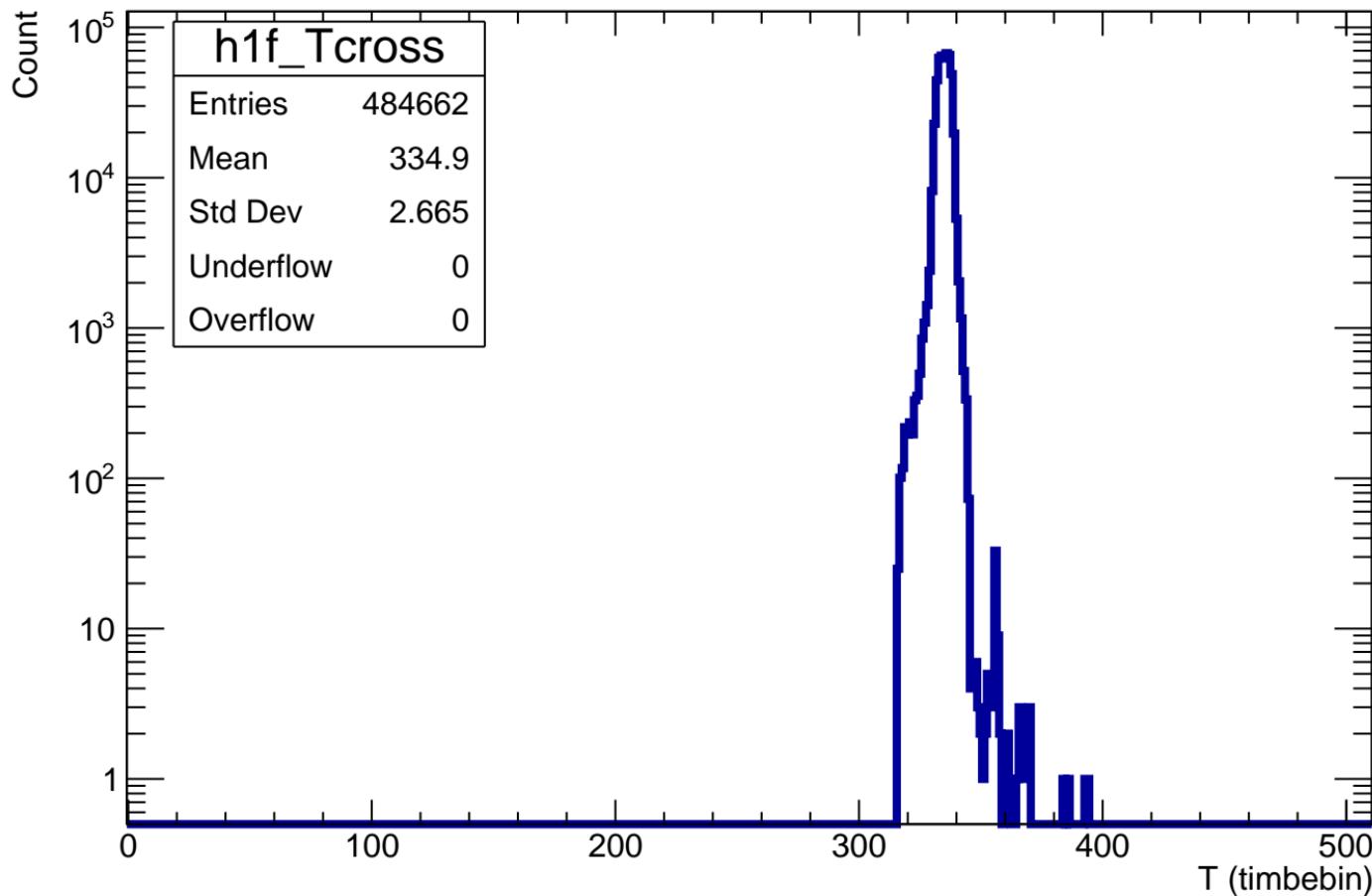
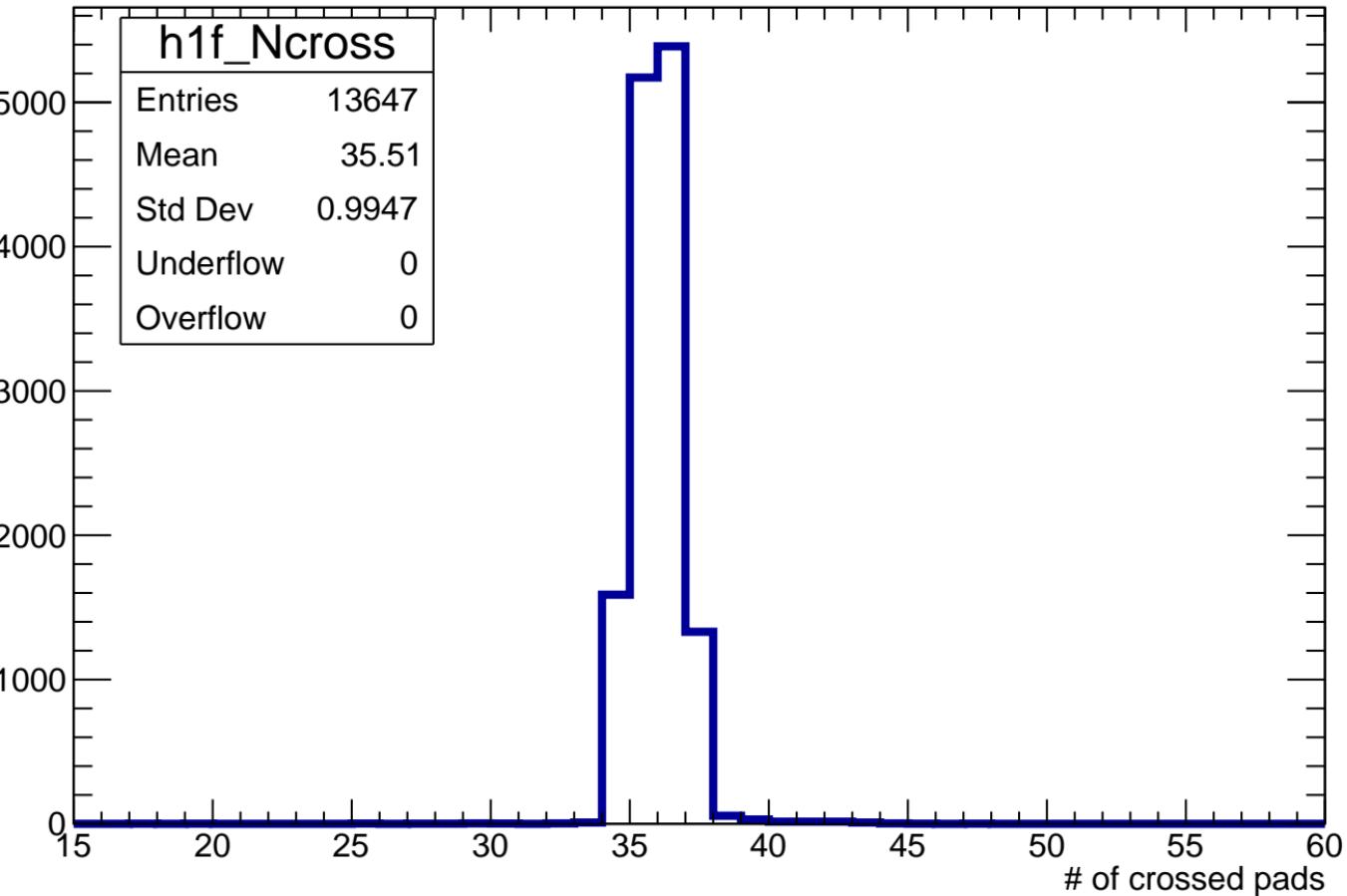


T_{\max} of crossed pads

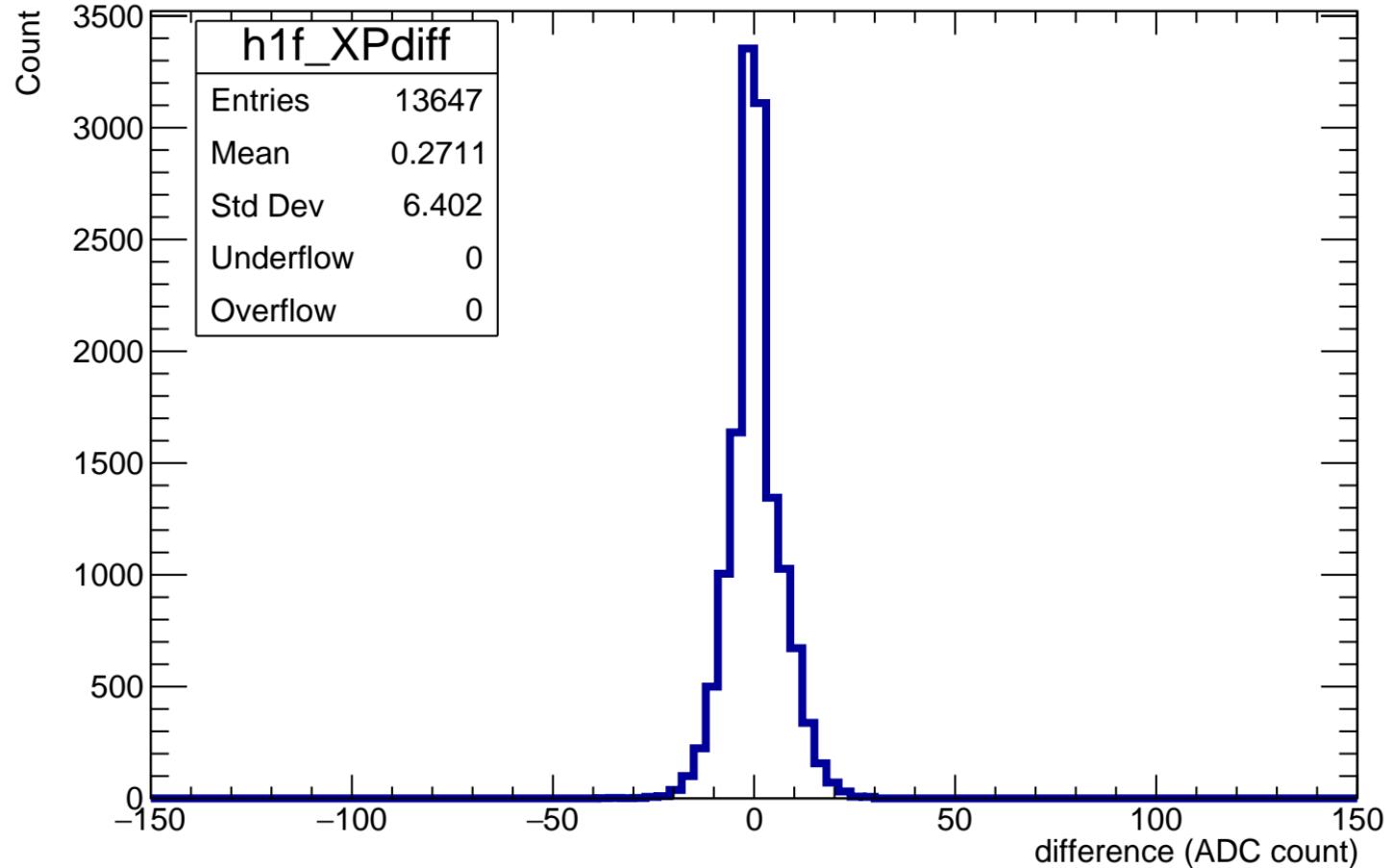


Number of crossed pads

Count



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

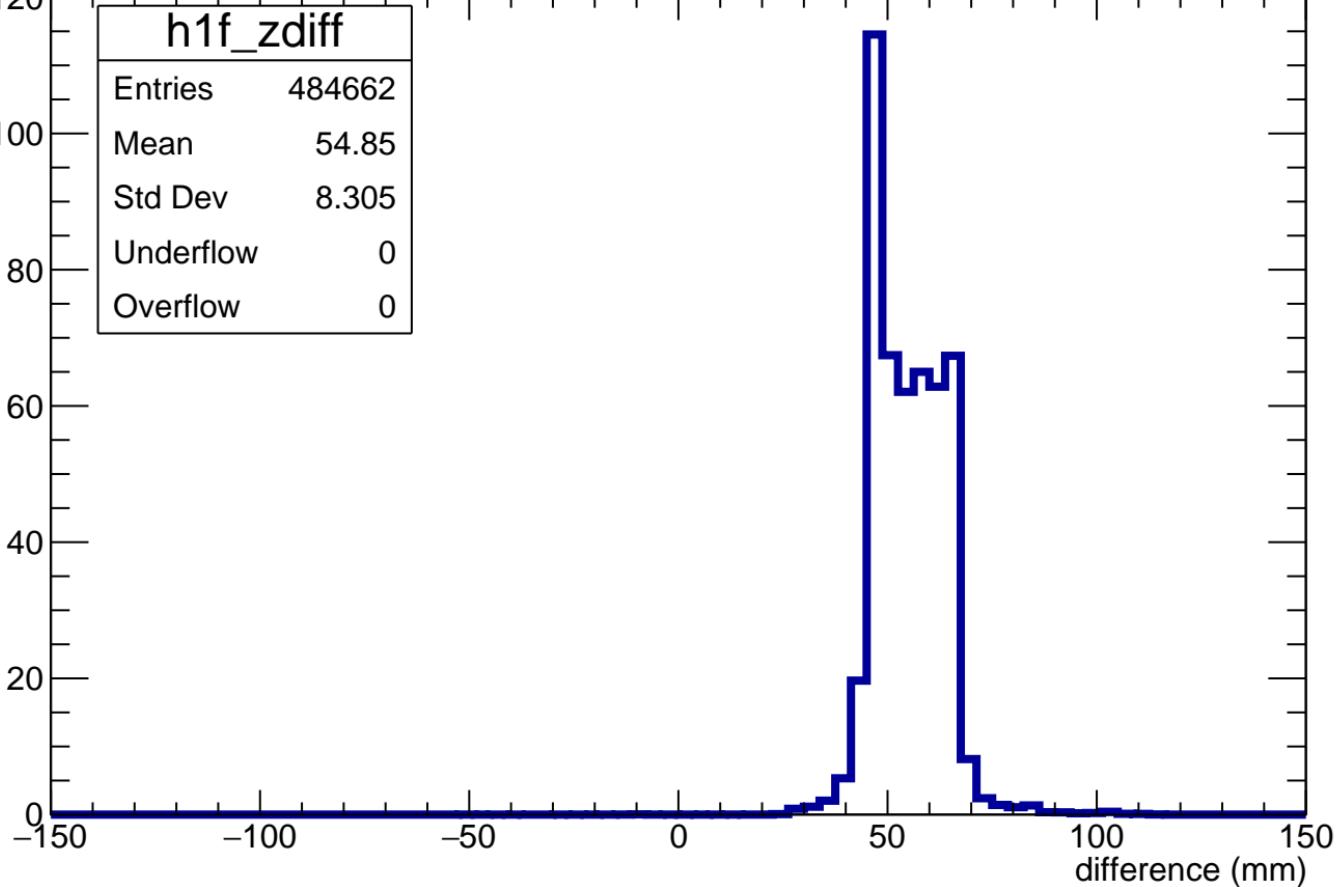


$Z_{\text{file}} = 950\text{mm} - Z_{\text{computed}}$

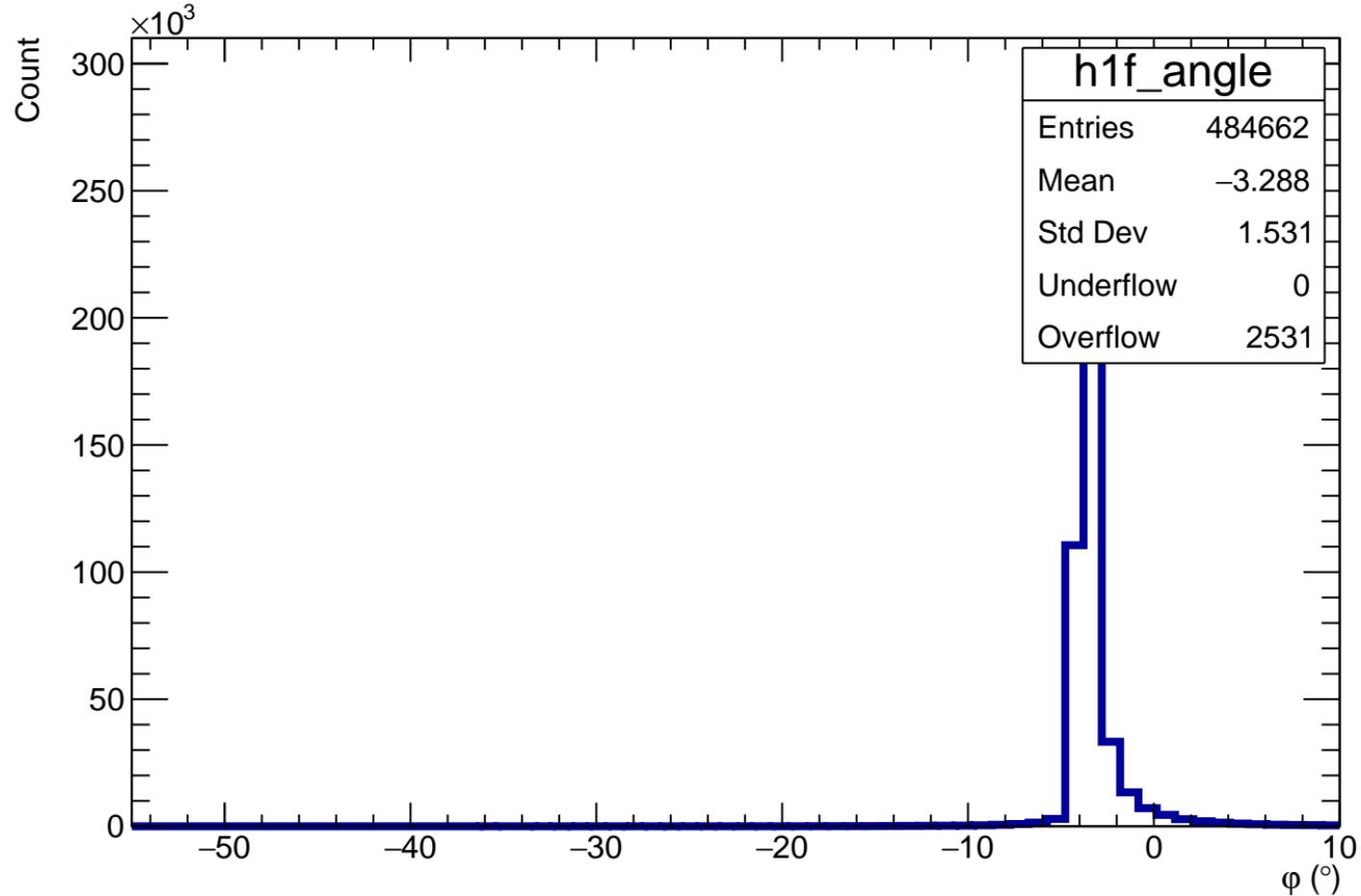
Count

 $\times 10^3$

h1f_zdiff	
Entries	484662
Mean	54.85
Std Dev	8.305
Underflow	0
Overflow	0

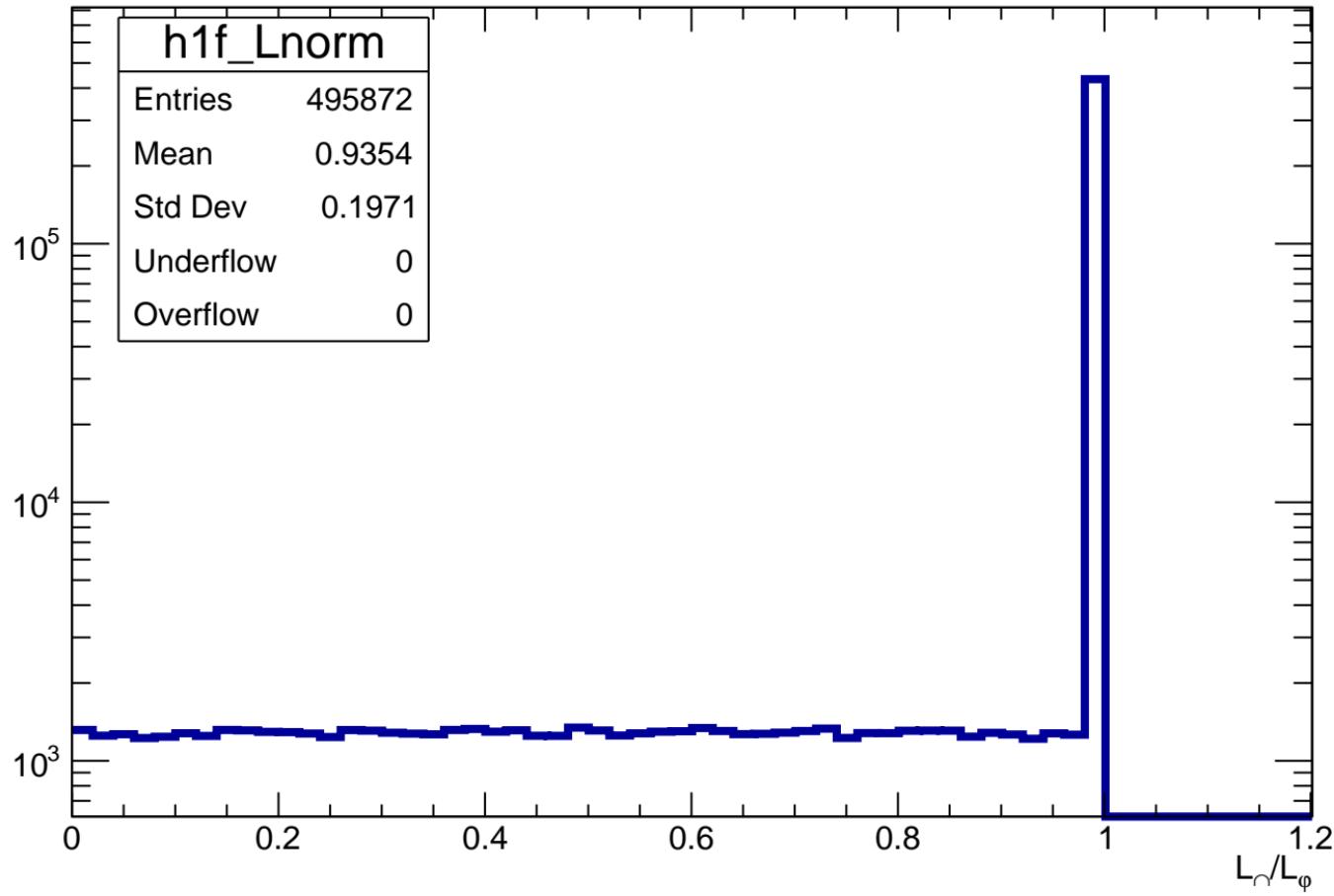


Angle φ in each pad

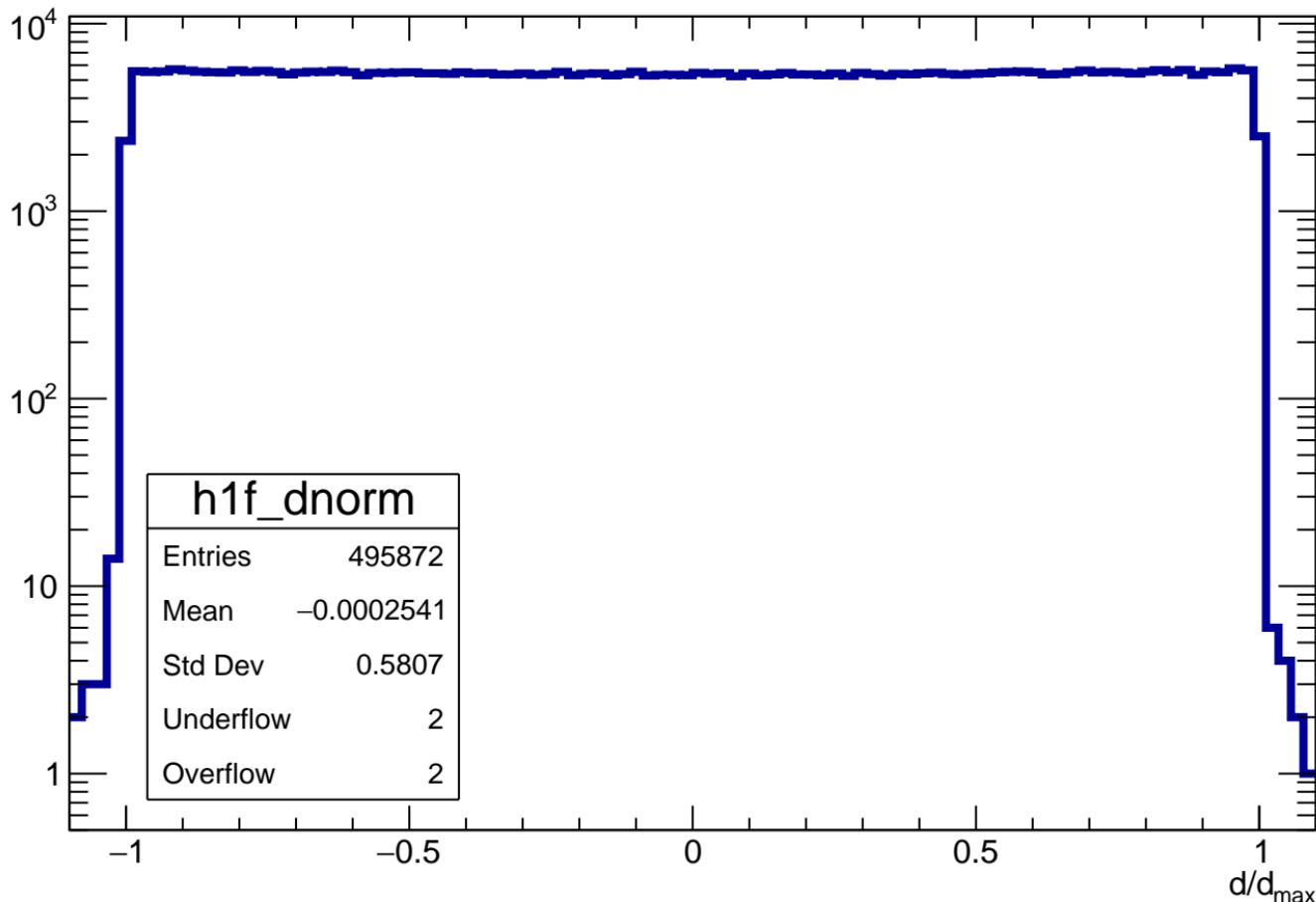


Length in pad normalized to maximum length in pad for a given ϕ

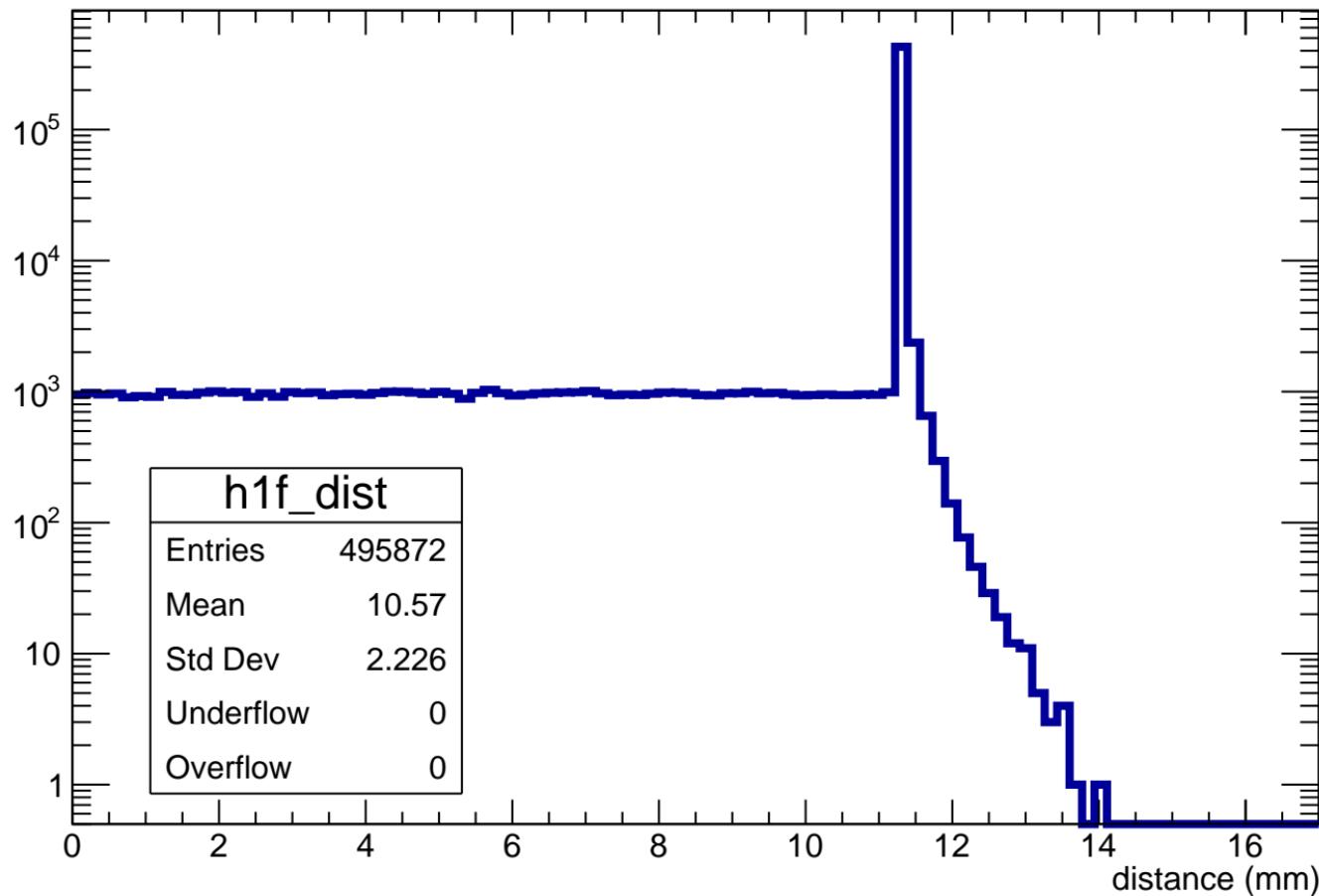
Count



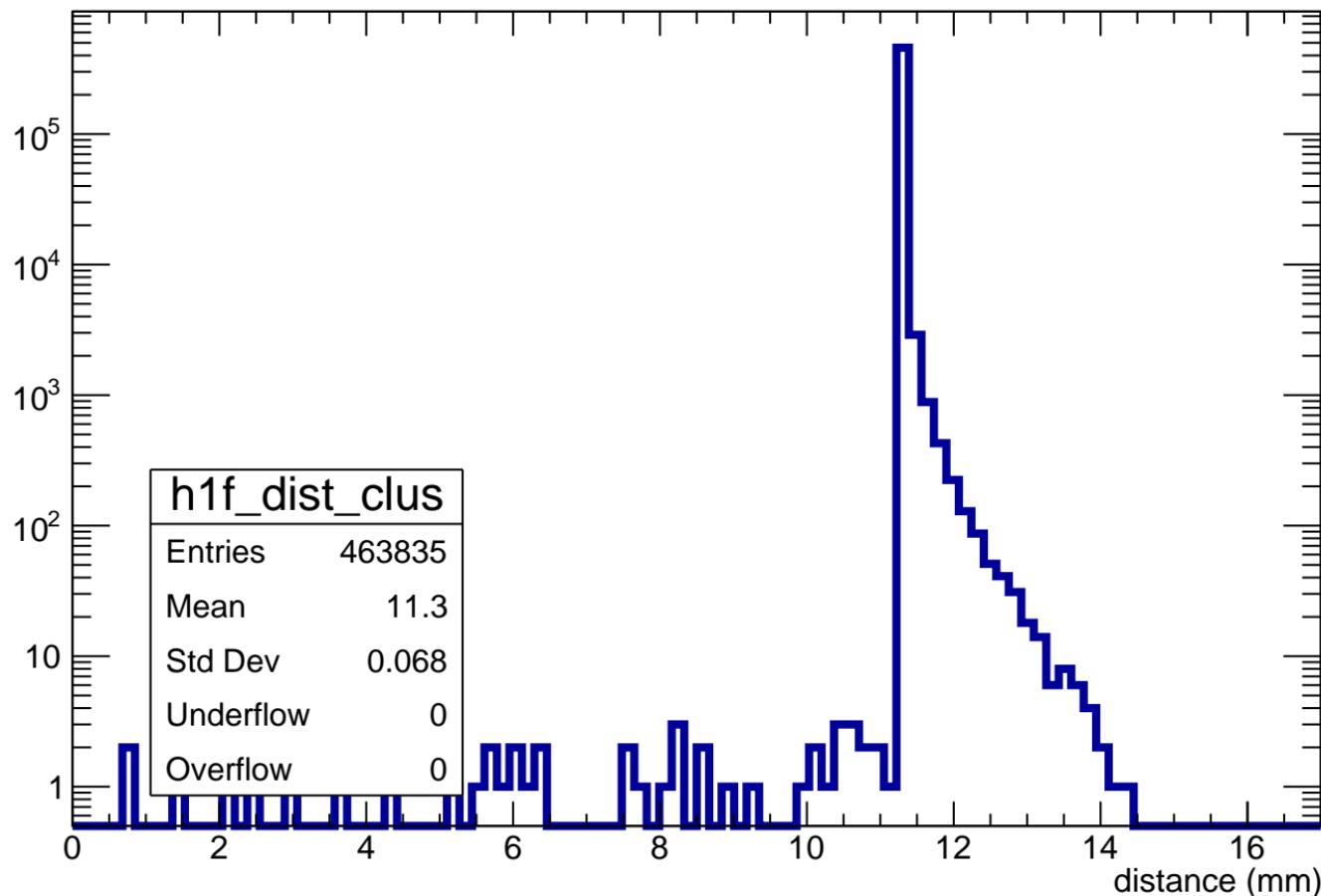
Normalized impact parameter d/d_{\max}



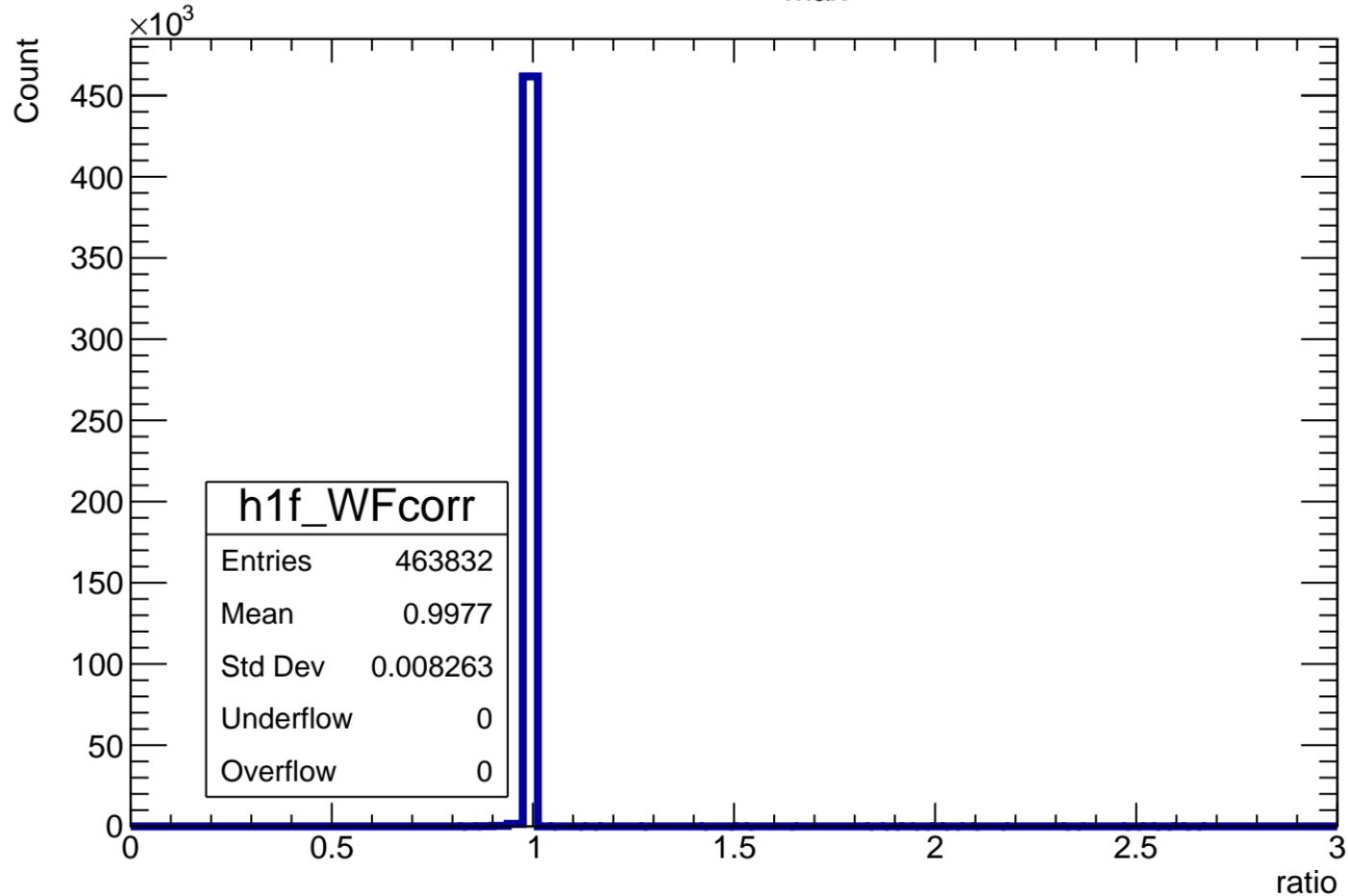
distance of track in pad



distance of track in cluster



Correction A_{max} ratio



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

Count

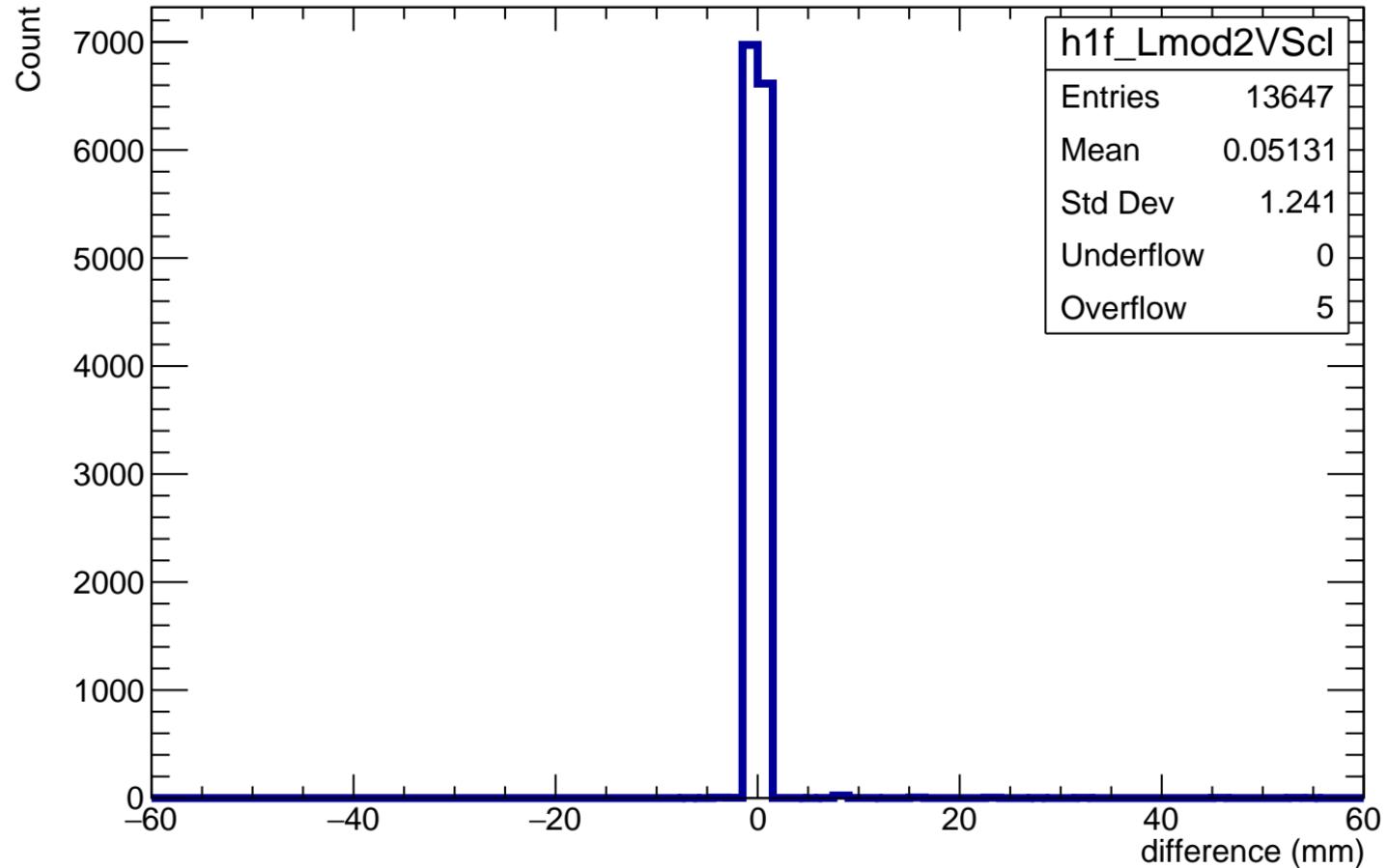
14000
12000
10000
8000
6000
4000
2000
0

-60 -40 -20 0 20 40 60

difference (mm)

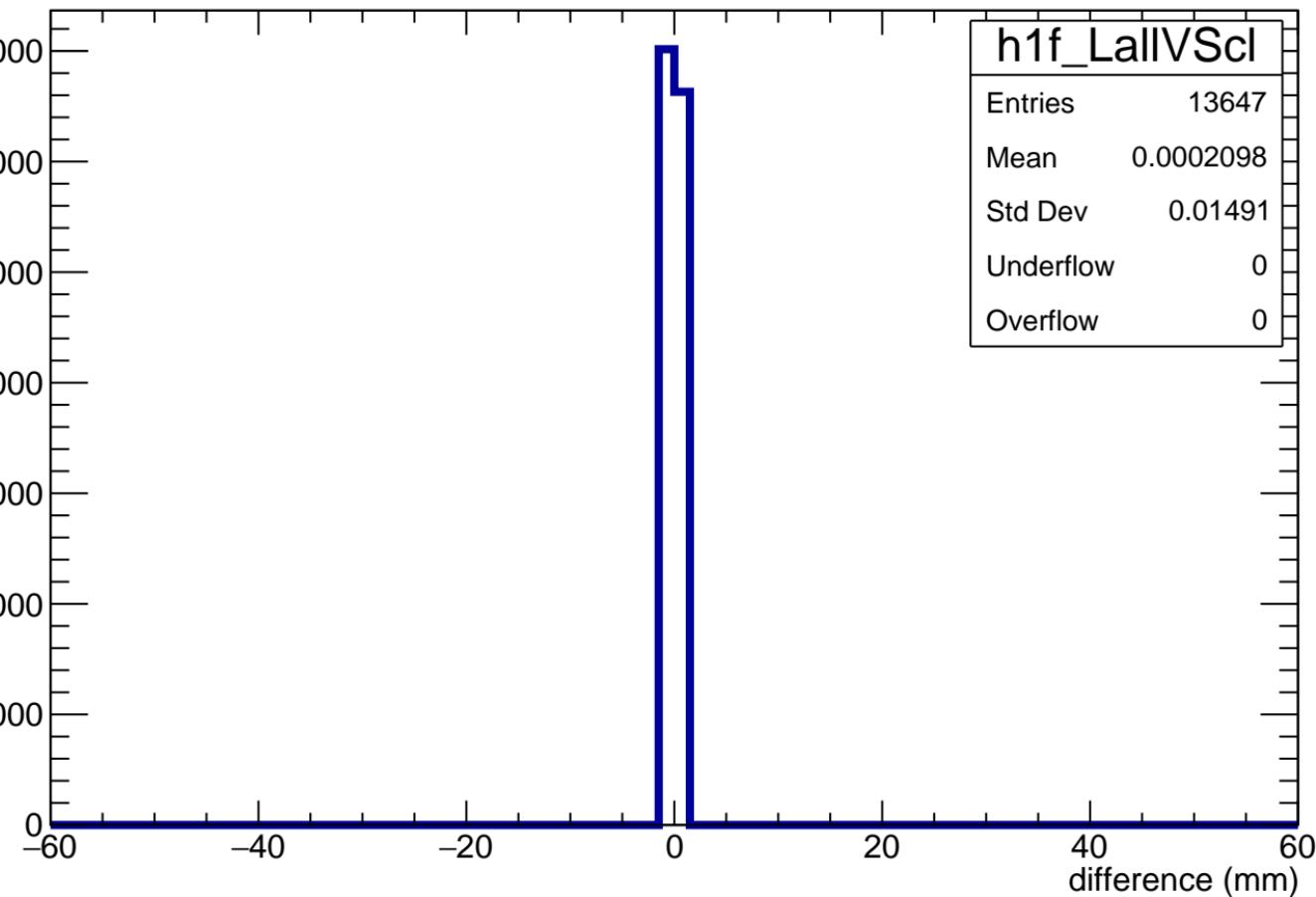
h1f_Lmod1VScI	
Entries	13647
Mean	9.065
Std Dev	0.8037
Underflow	0
Overflow	8

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

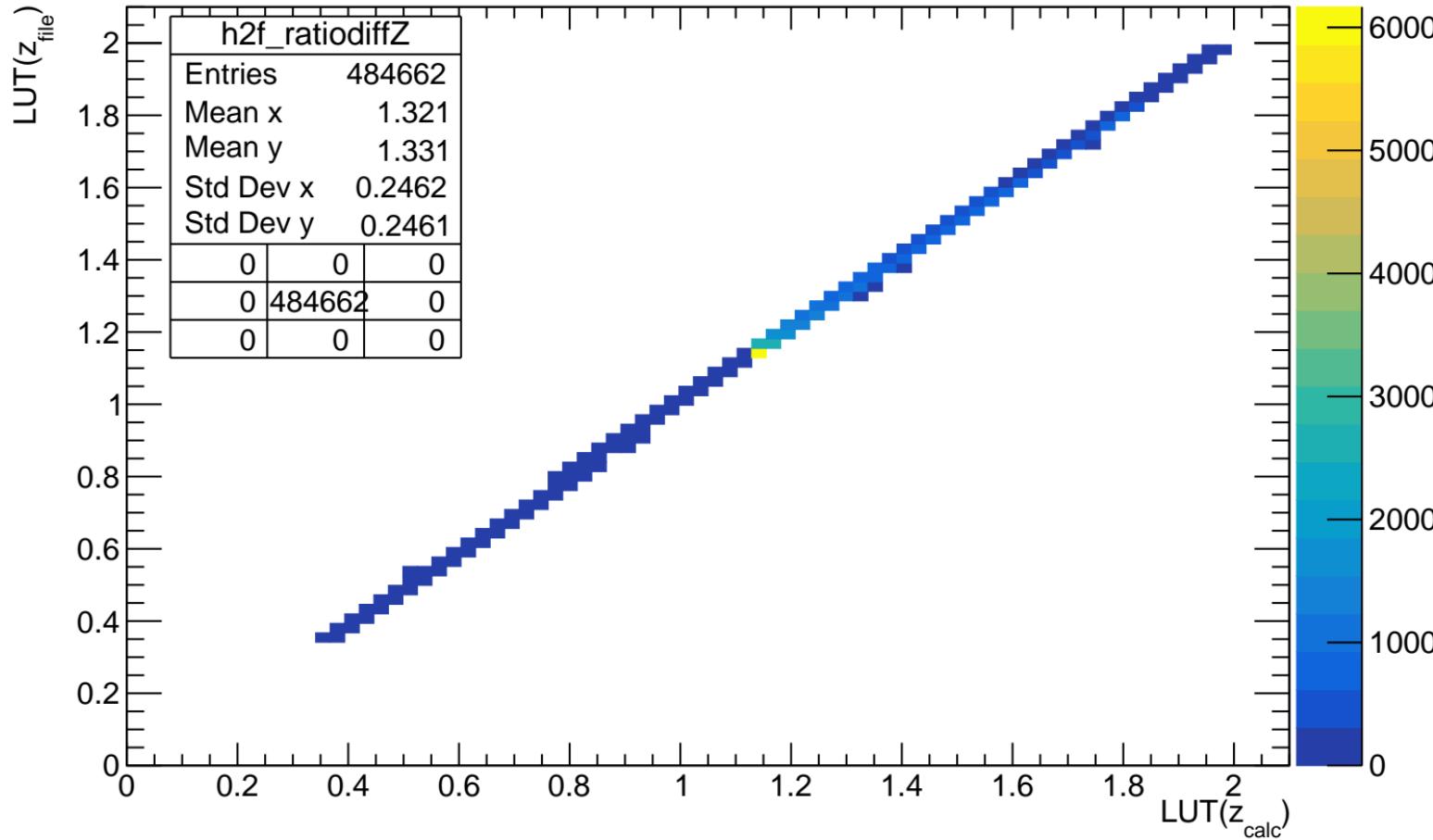


$L_{\text{clusters}} - L_{\text{clusters} > 2\text{mm}}$

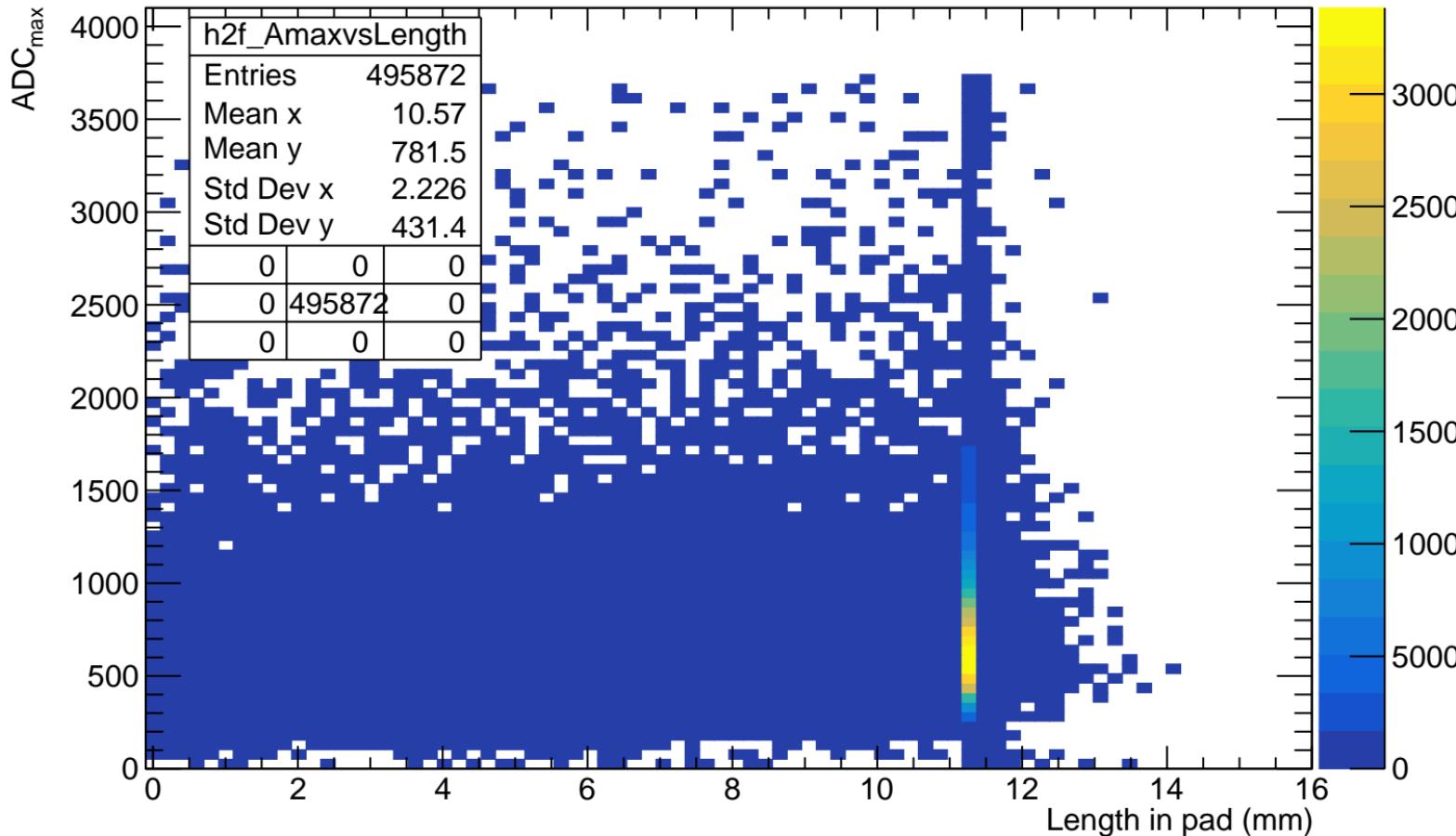
Count



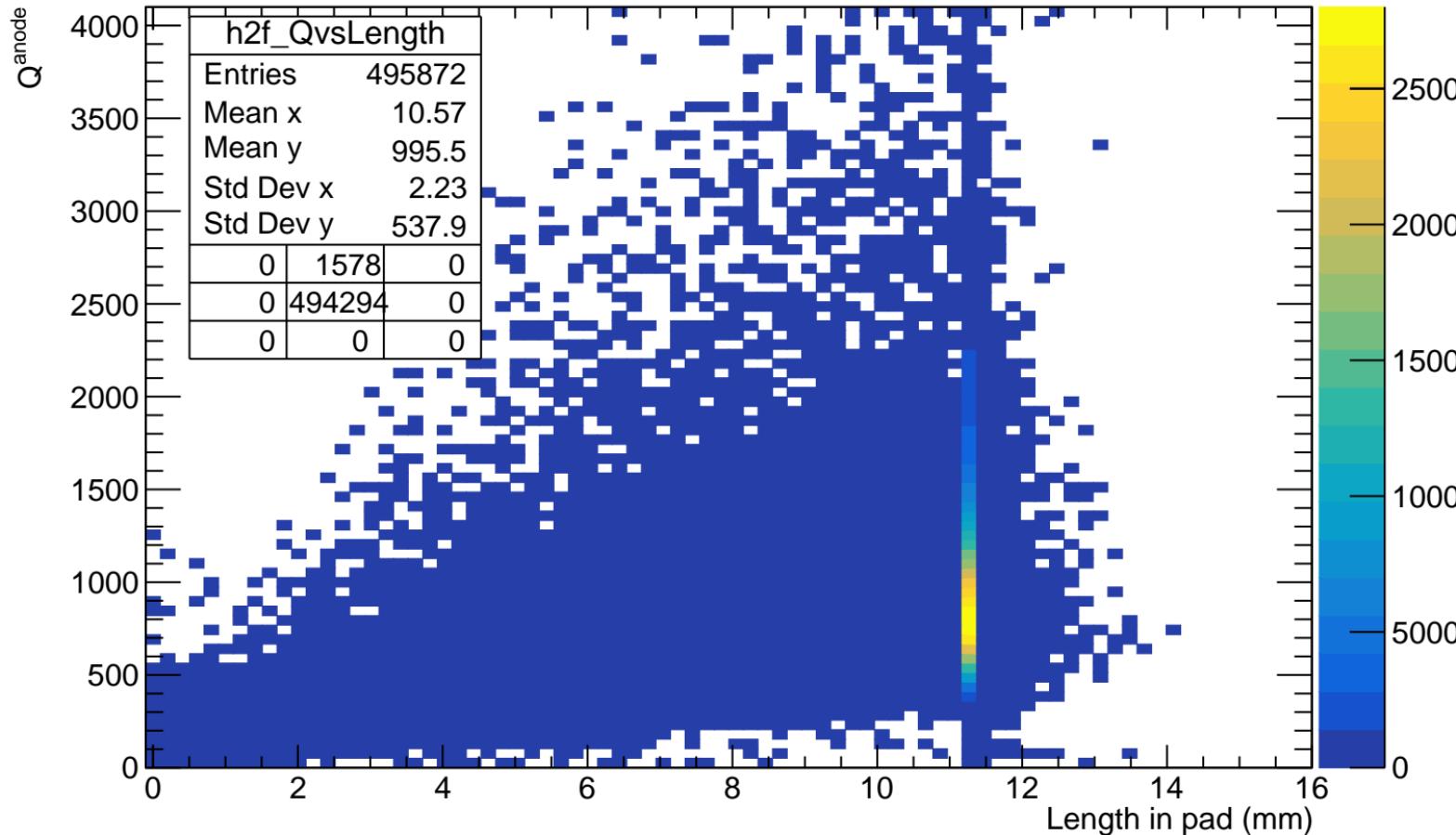
LUT(z_{file}) vs LUT(z_{calc})



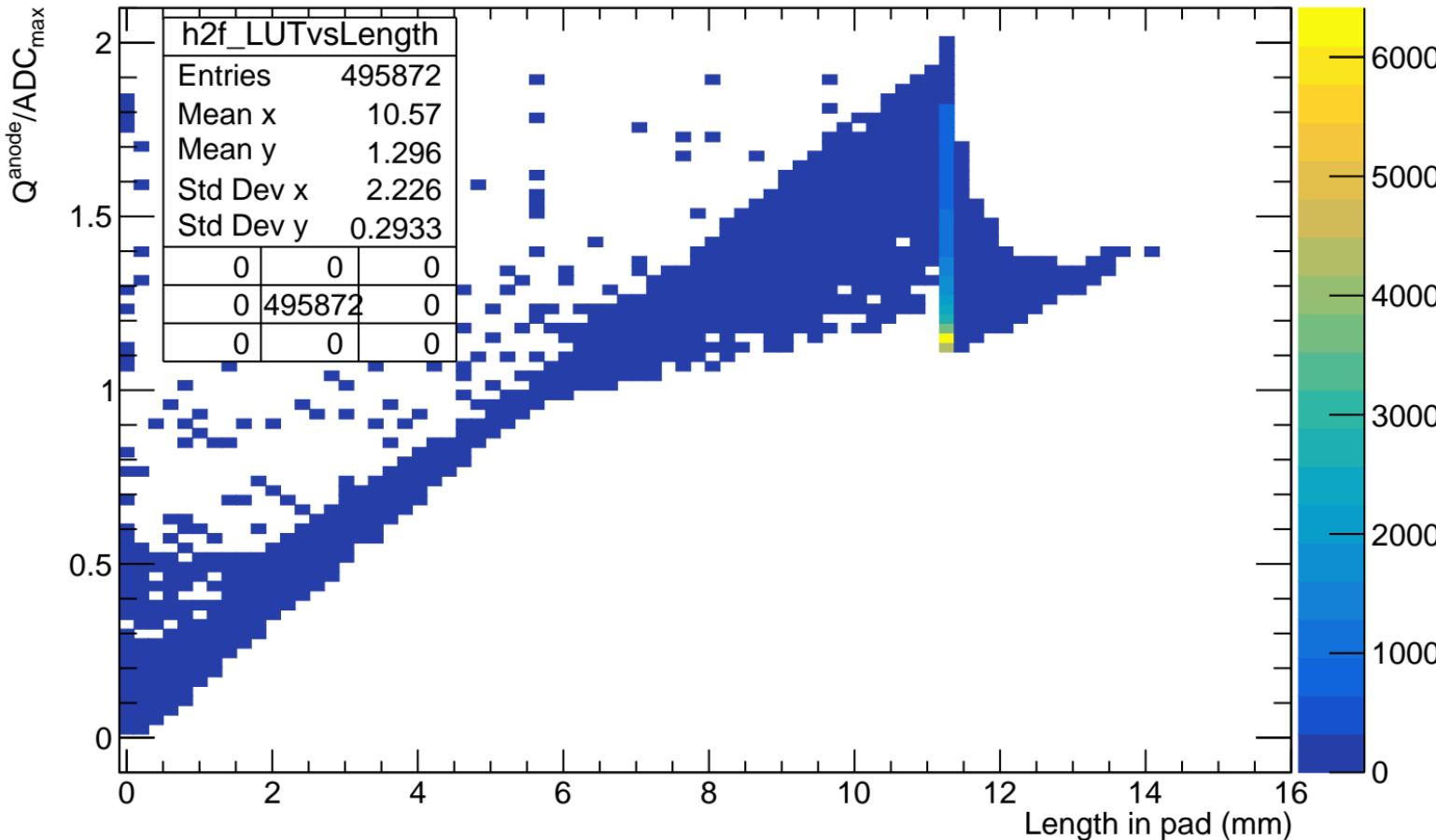
ADC_{max} VS length in pad (before length cut)



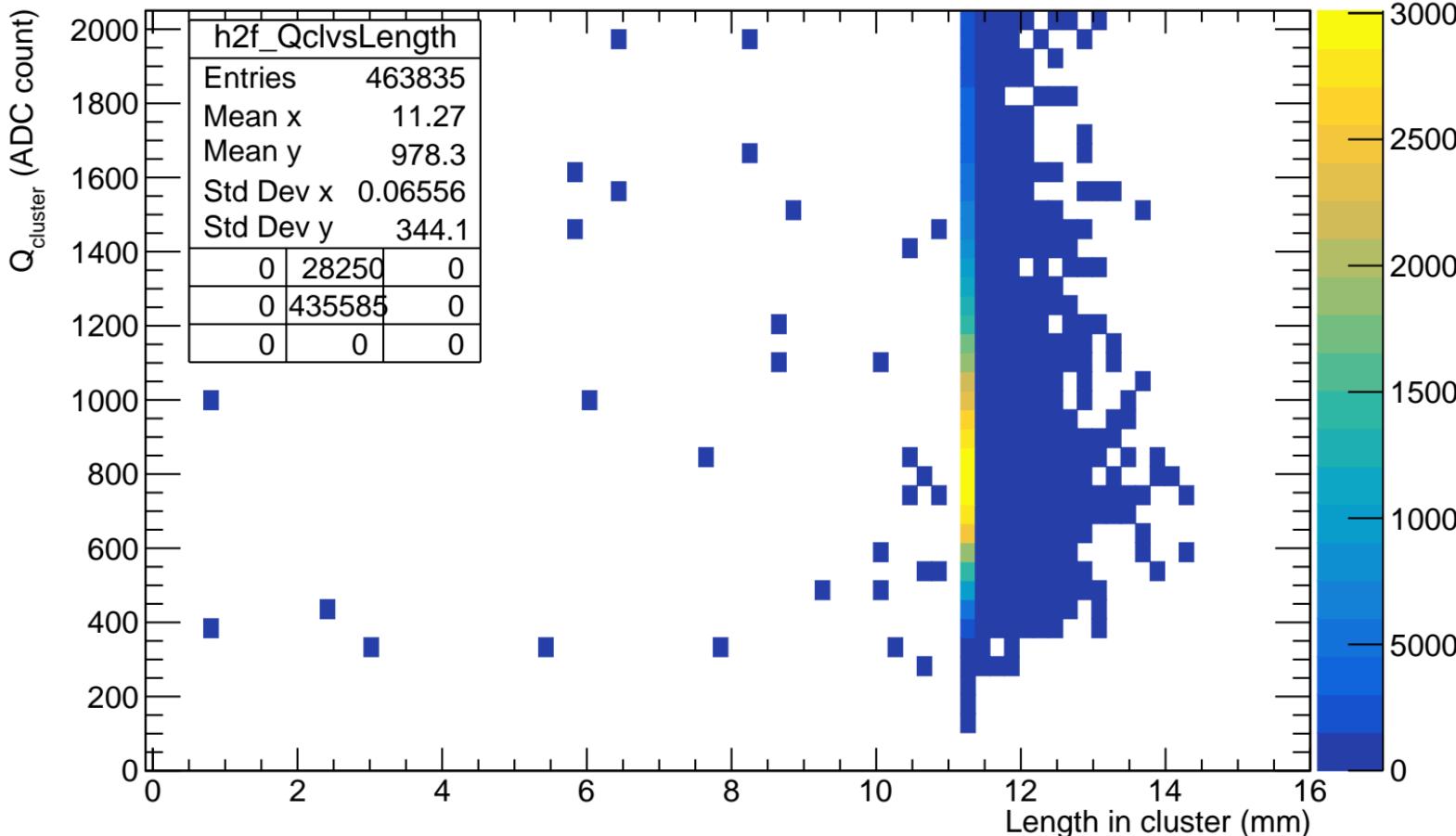
Q^{anode} VS length in pad (before length cut)



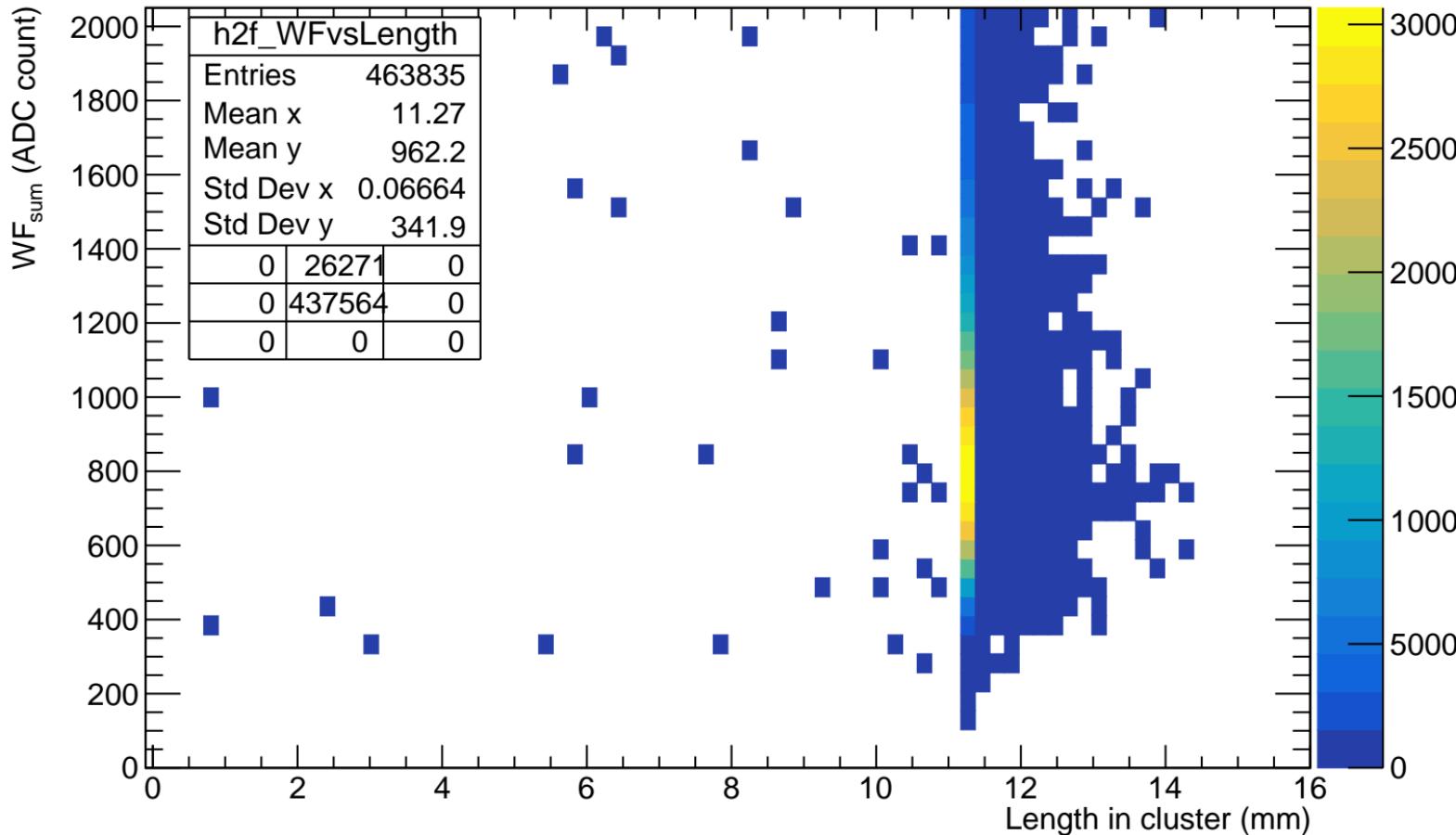
$Q^{\text{anode}}/\text{ADC}_{\max}$ VS length in pad (before length cut)



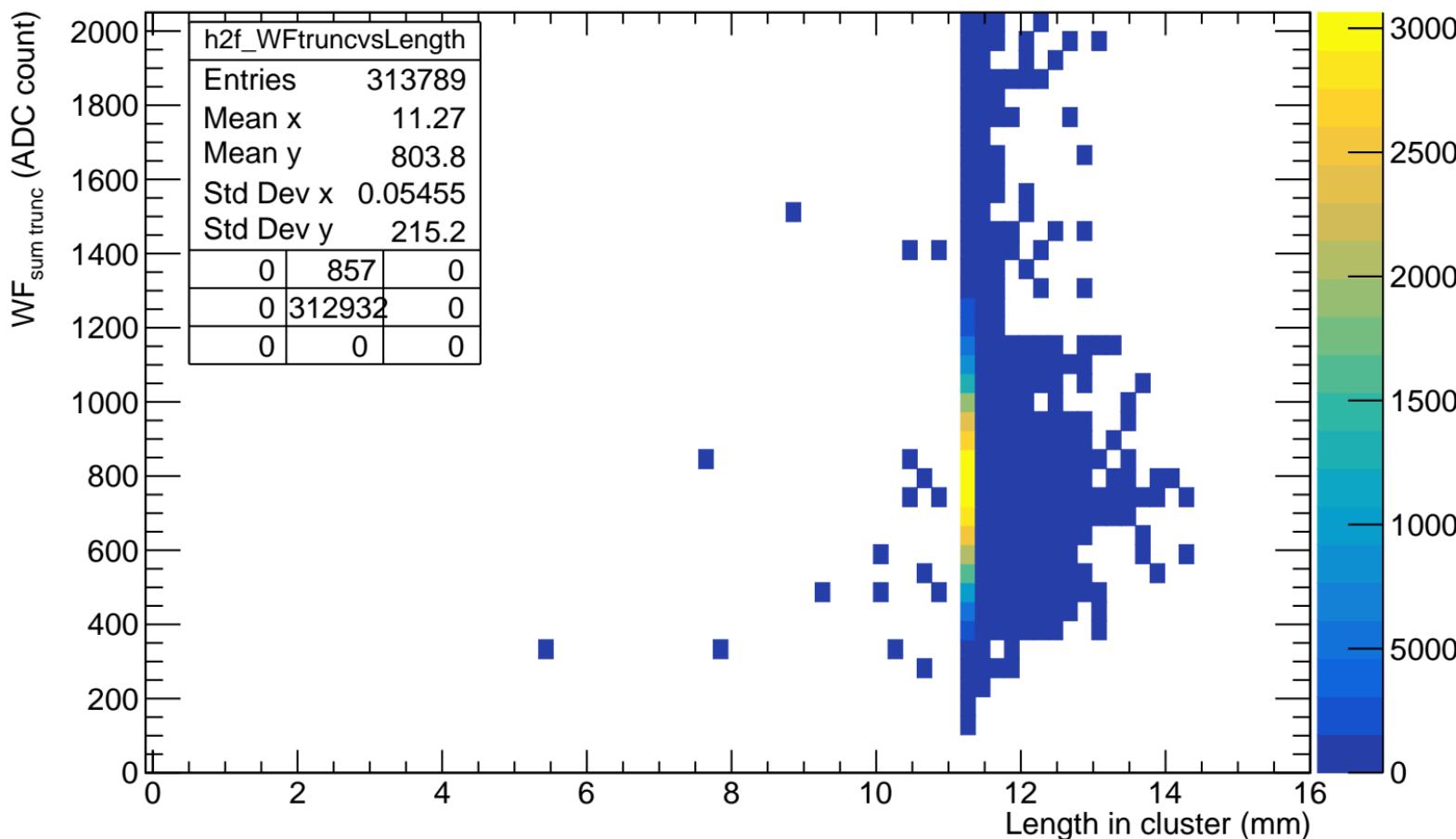
Q_{cluster} VS length in cluster



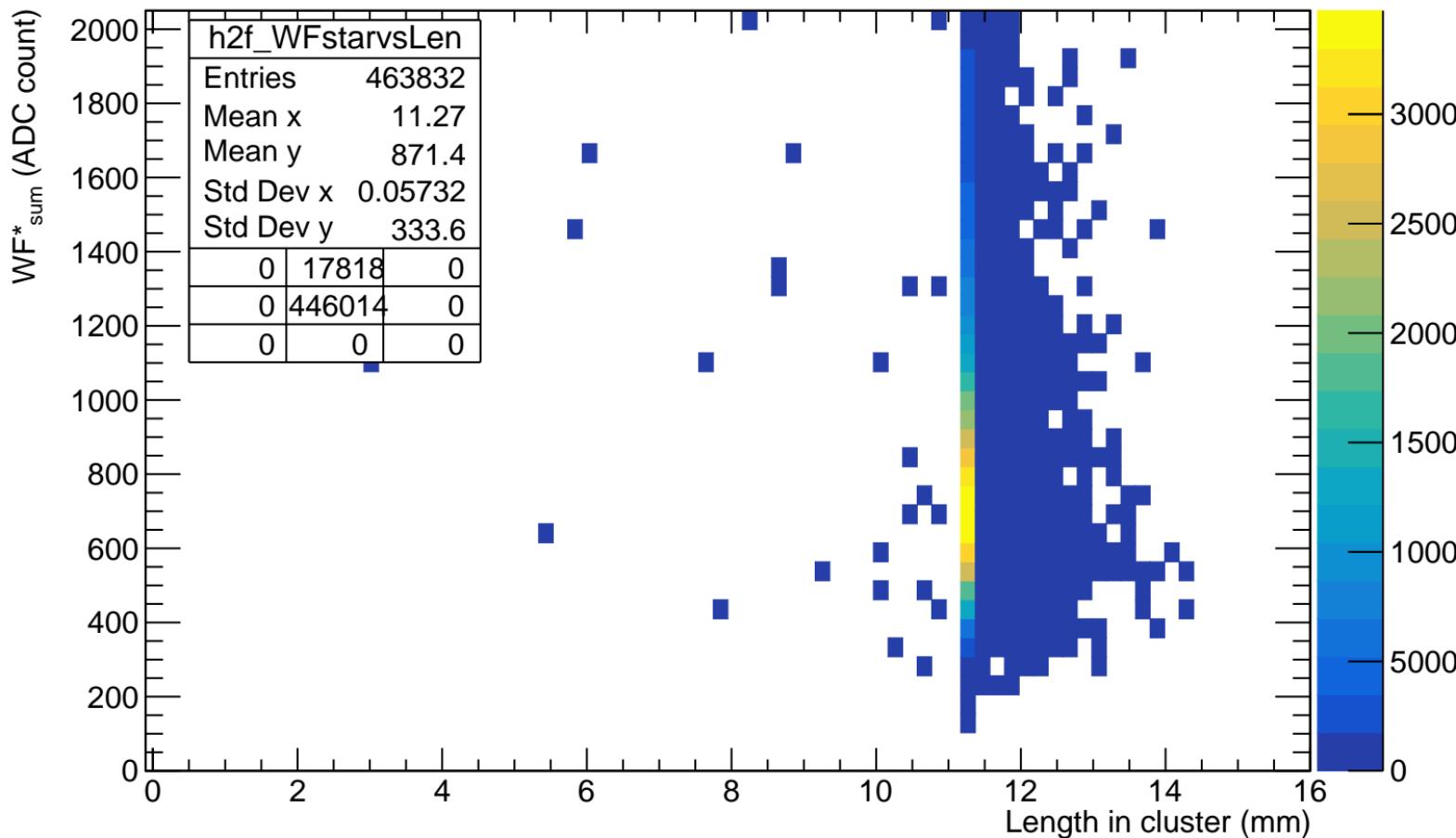
WF_{sum} VS length in cluster



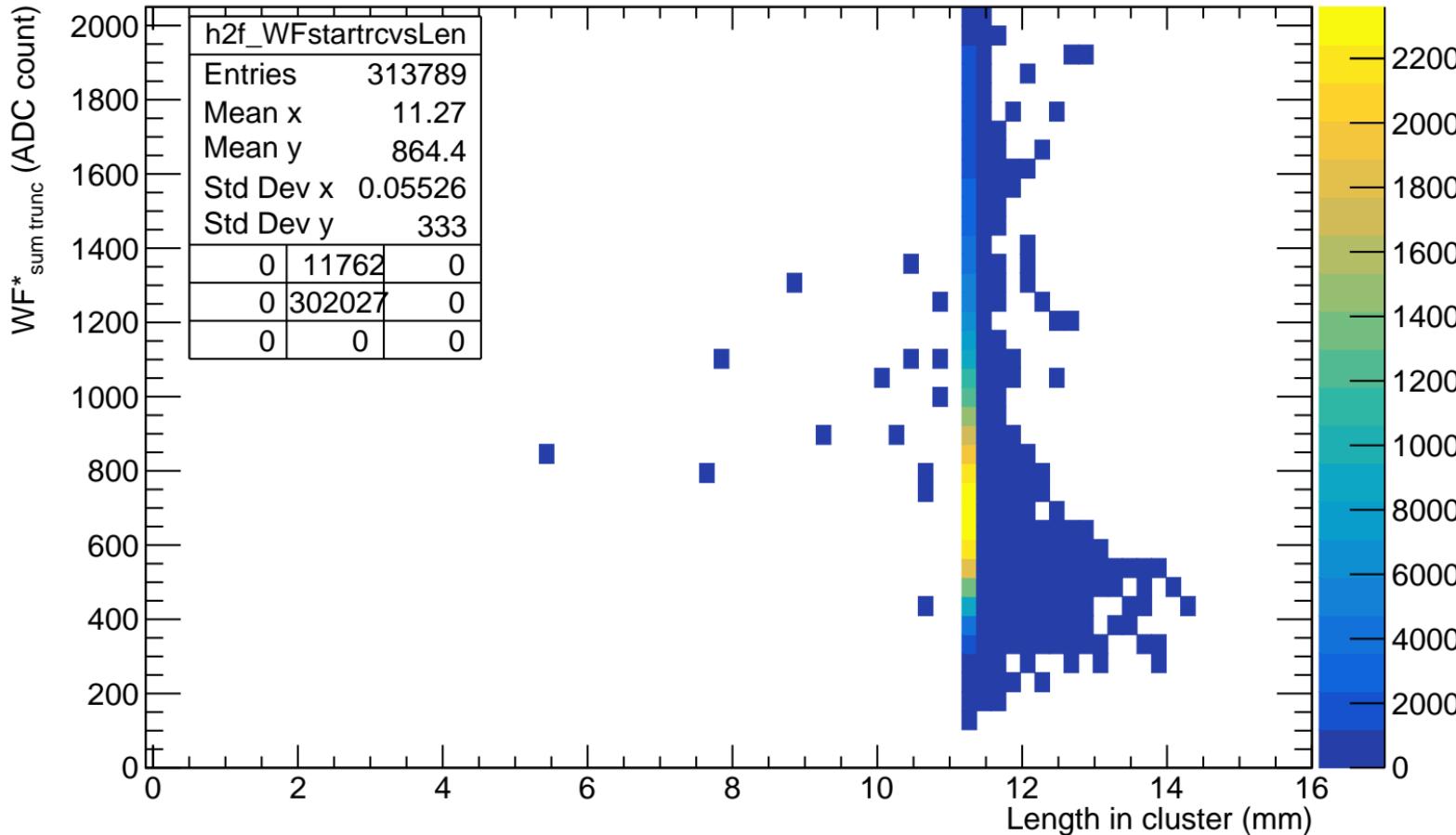
WF_{sum} truncated VS length in cluster

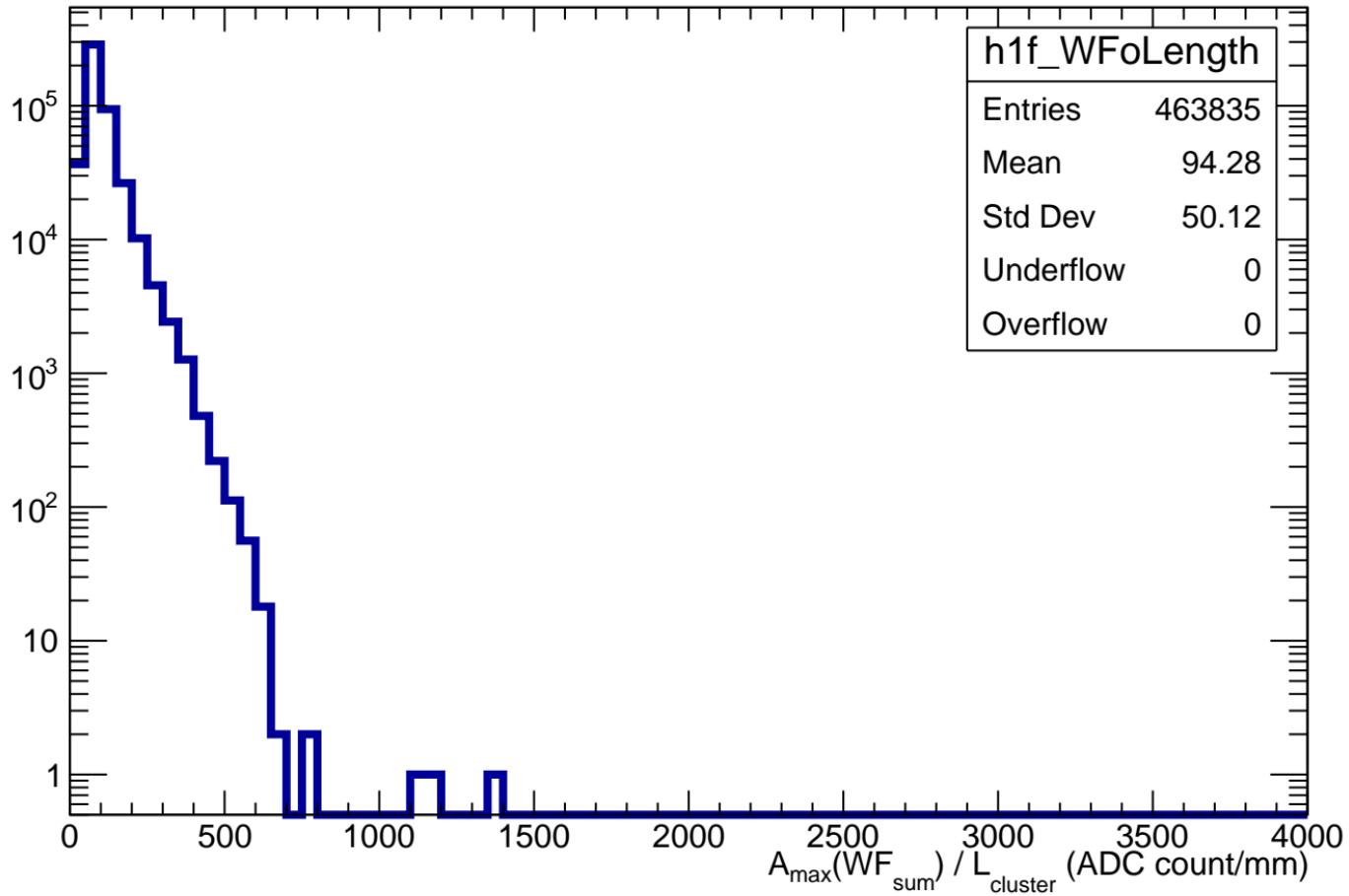


WF*_{sum} VS length in cluster



WF*_{sum truncated} VS length in cluster



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

impact parameter d vs length in pad

