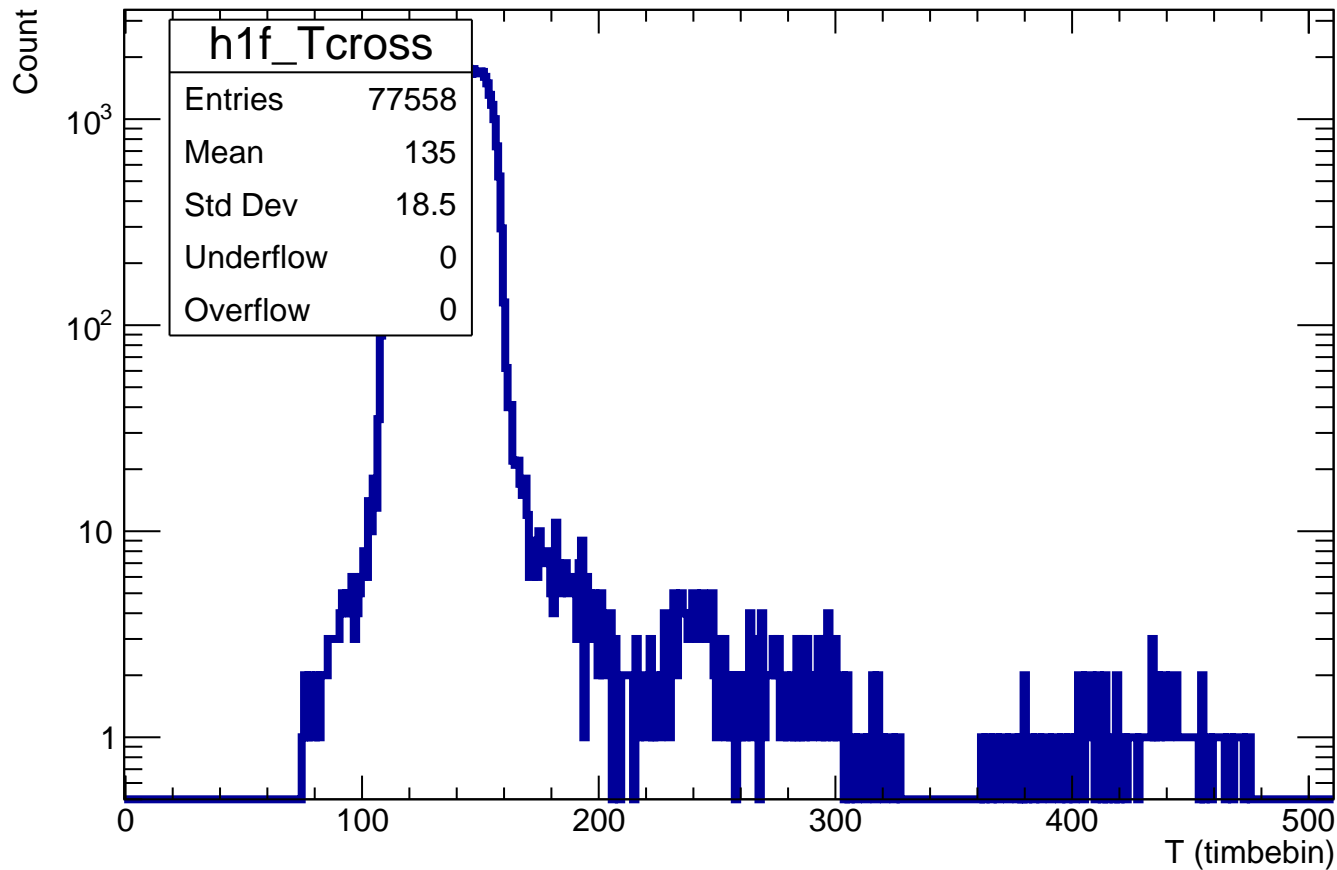
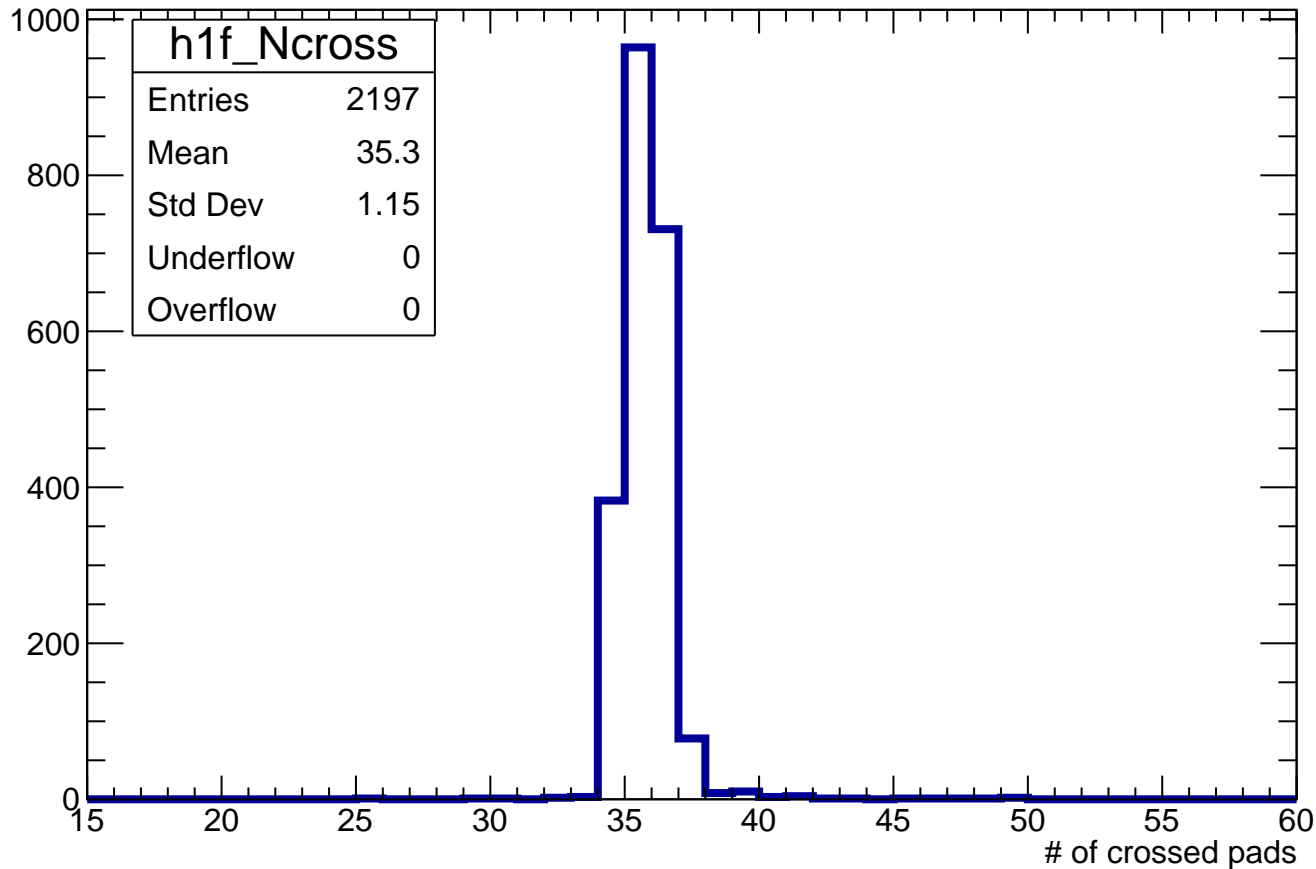


T_{max} of crossed pads



Number of crossed pads

Count



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

Count

500

400

300

200

100

0

h1f_XPdiff	
Entries	2197
Mean	-0.3228
Std Dev	10.39
Underflow	0
Overflow	0

difference (ADC count)

-150

-100

-50

0

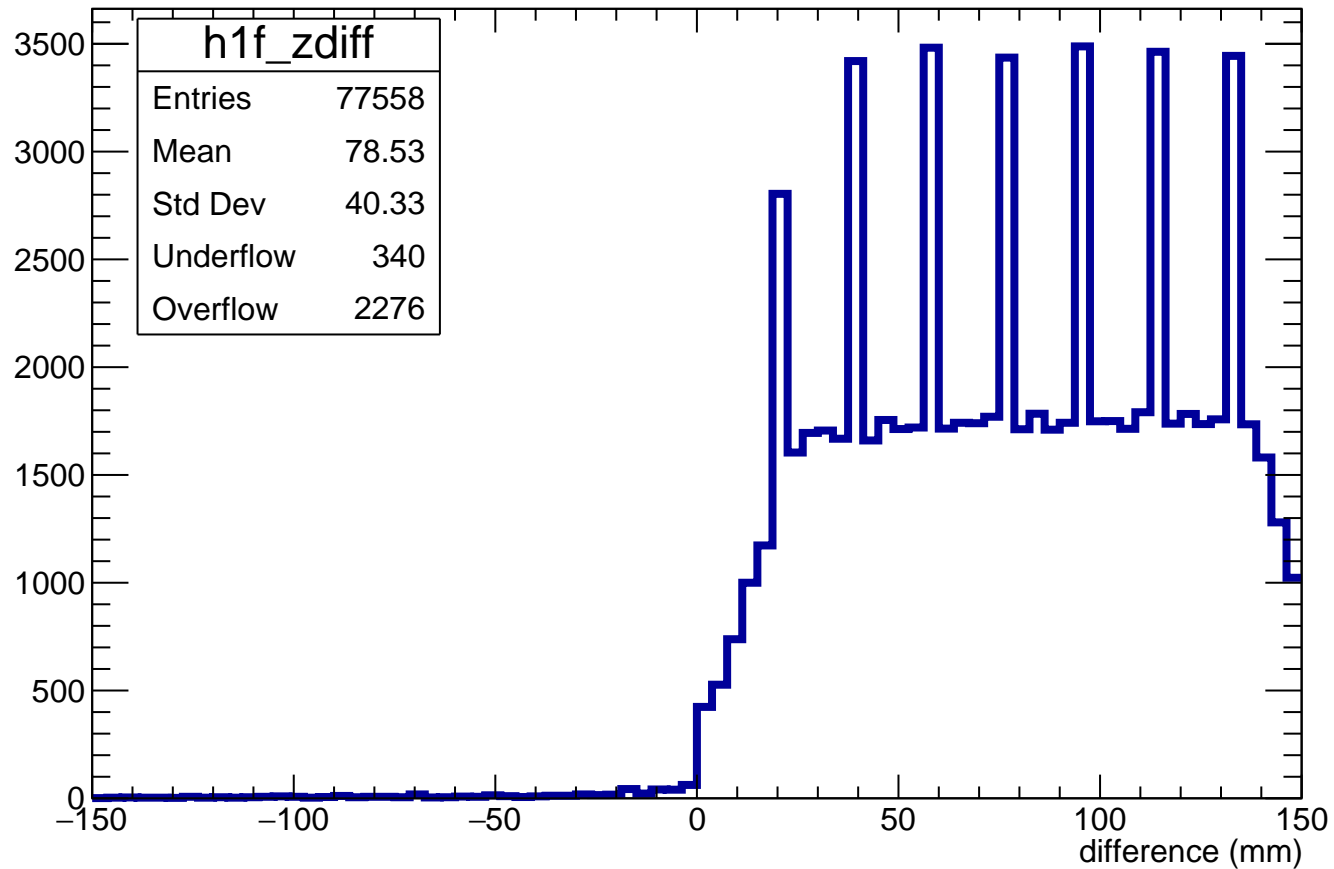
50

100

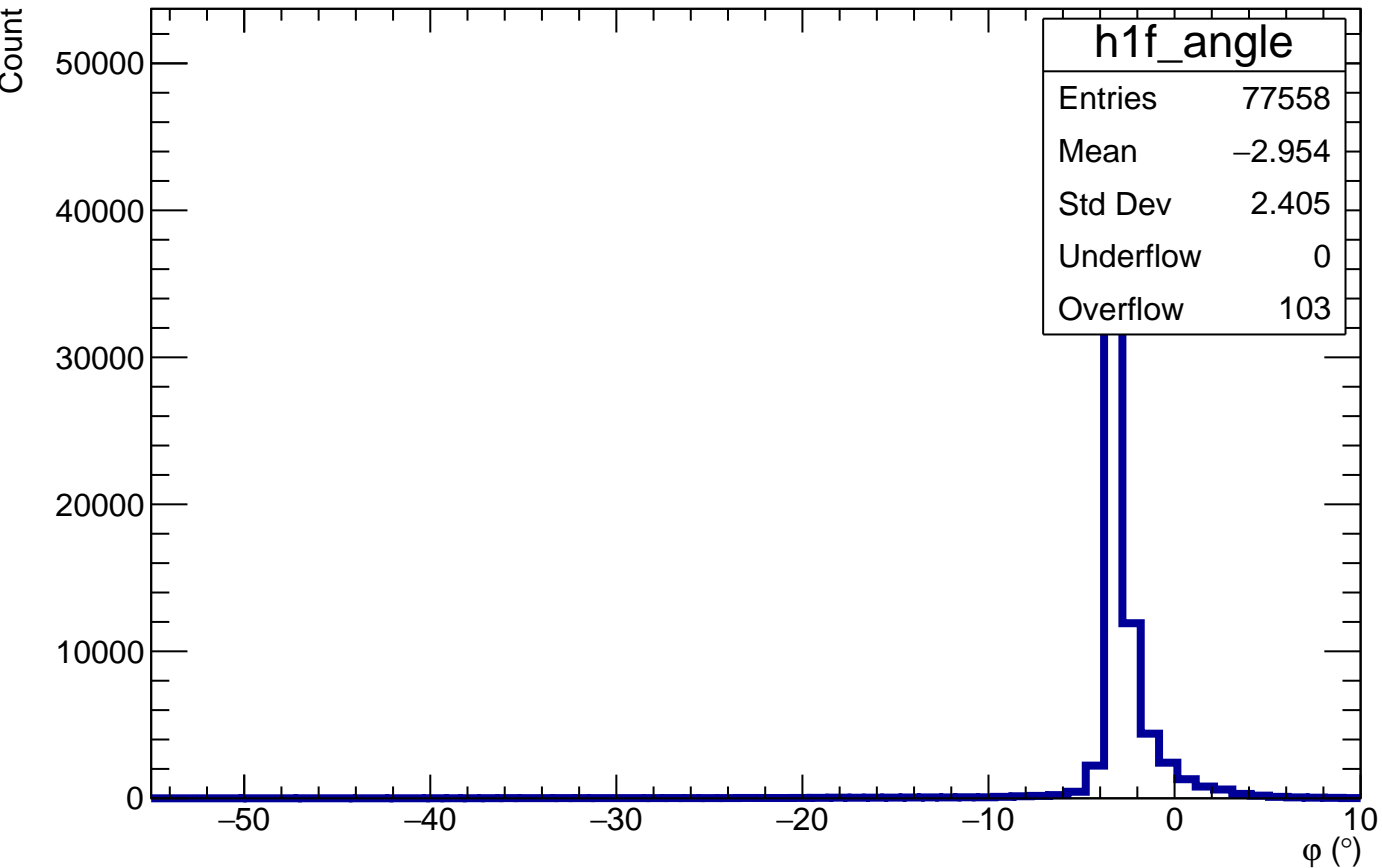
150

$$Z_{\text{file}} = 350\text{mm} - Z_{\text{computed}}$$

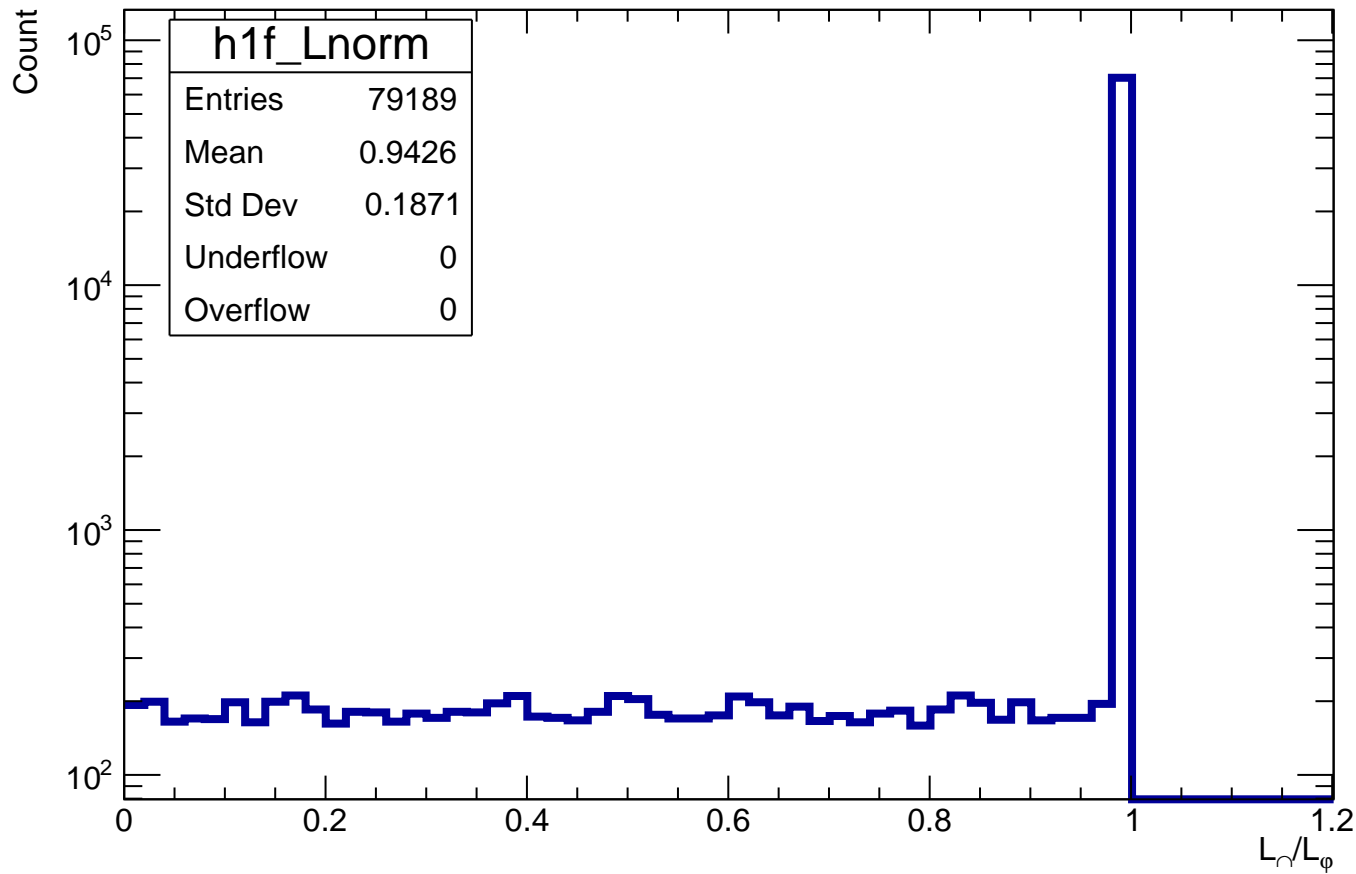
Count



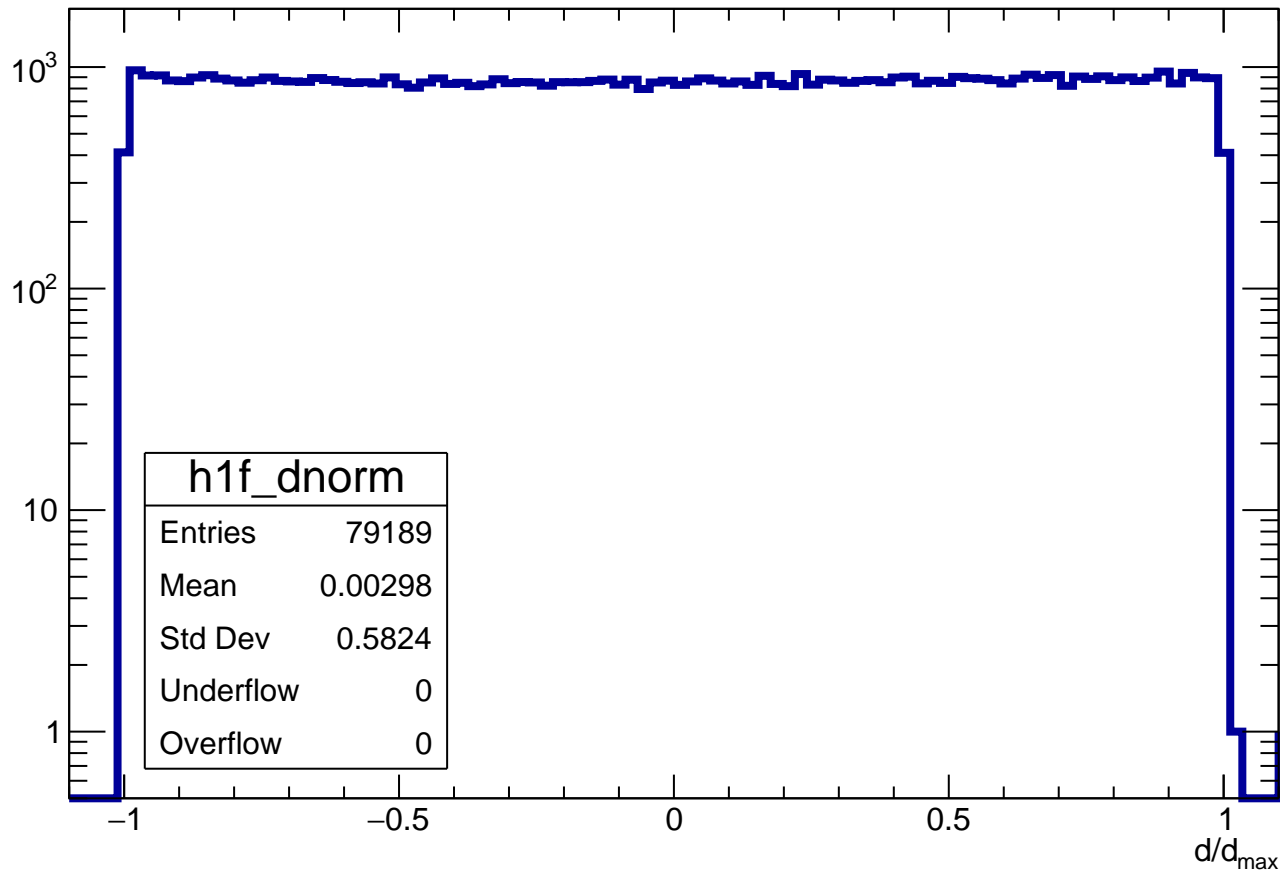
Angle ϕ in each pad



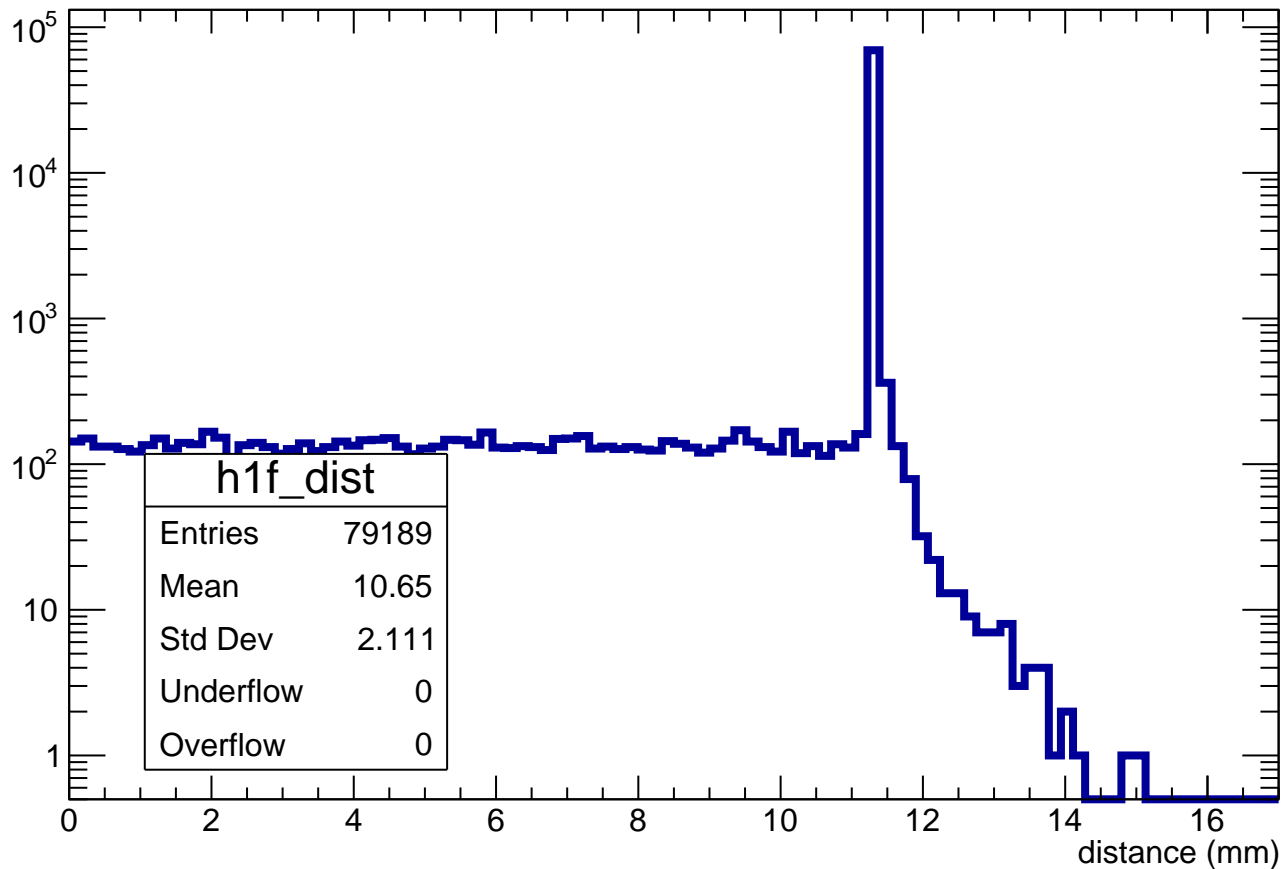
Length in pad normalized to maximum length in pad for a given ϕ



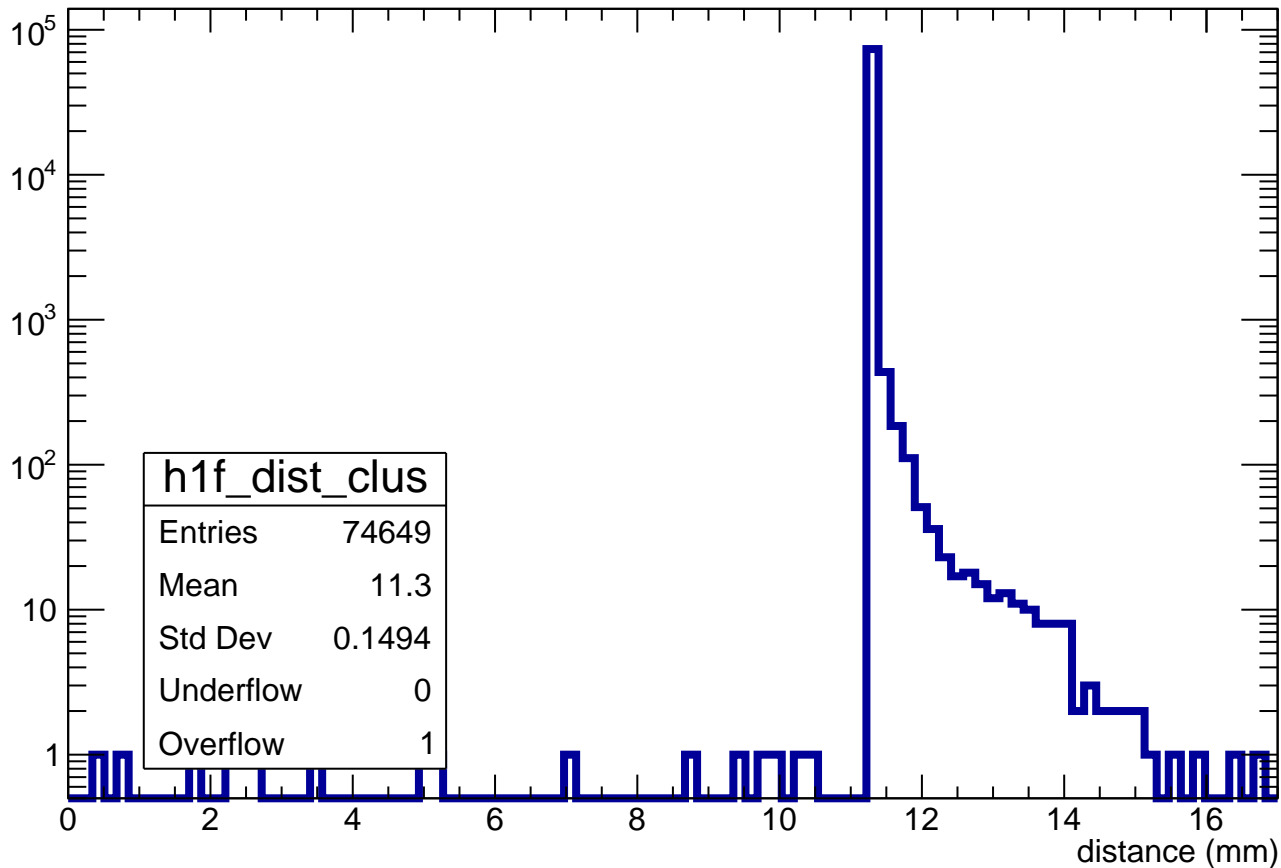
Normalized impact parameter d/d_{max}



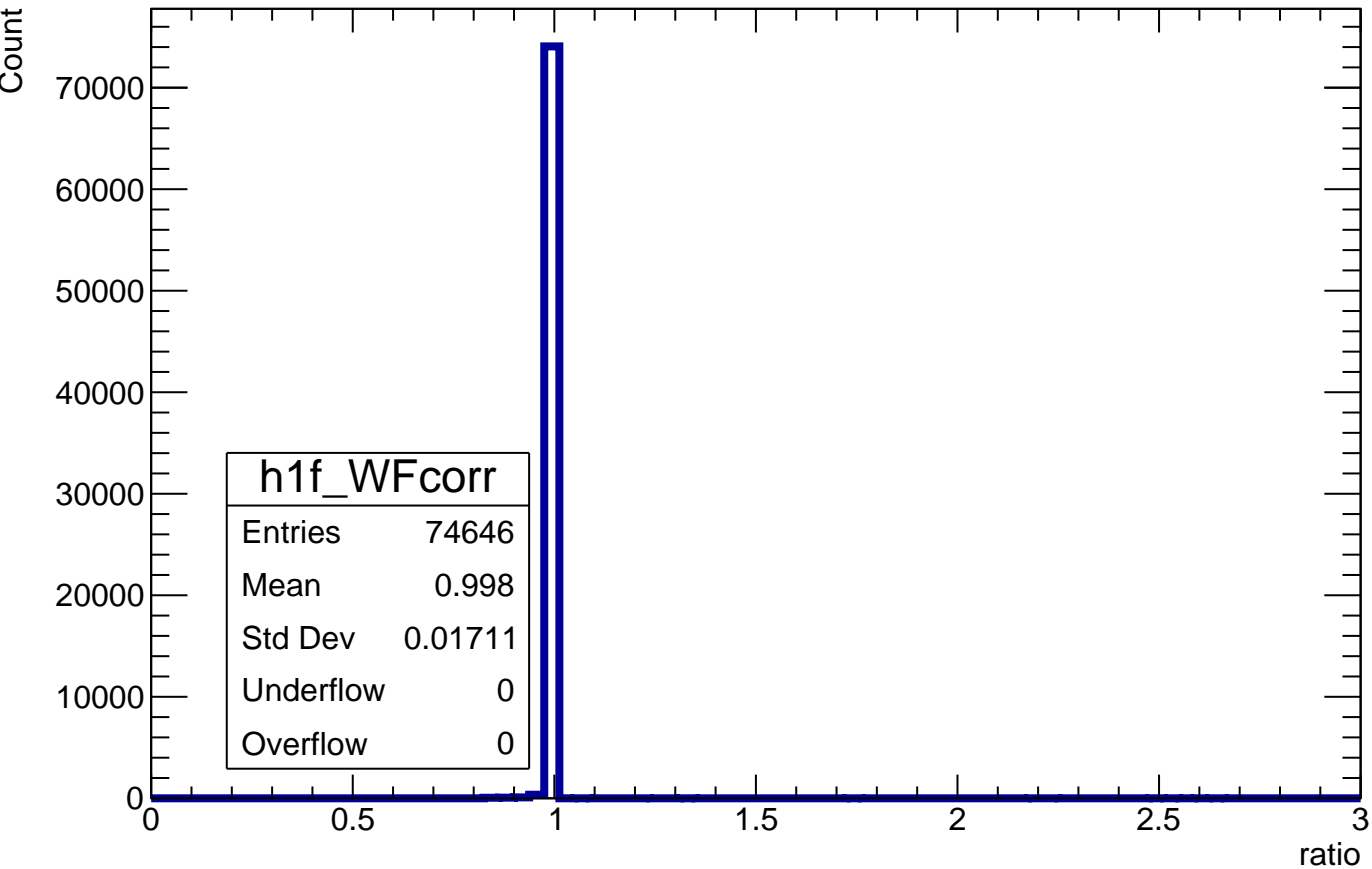
distance of track in pad



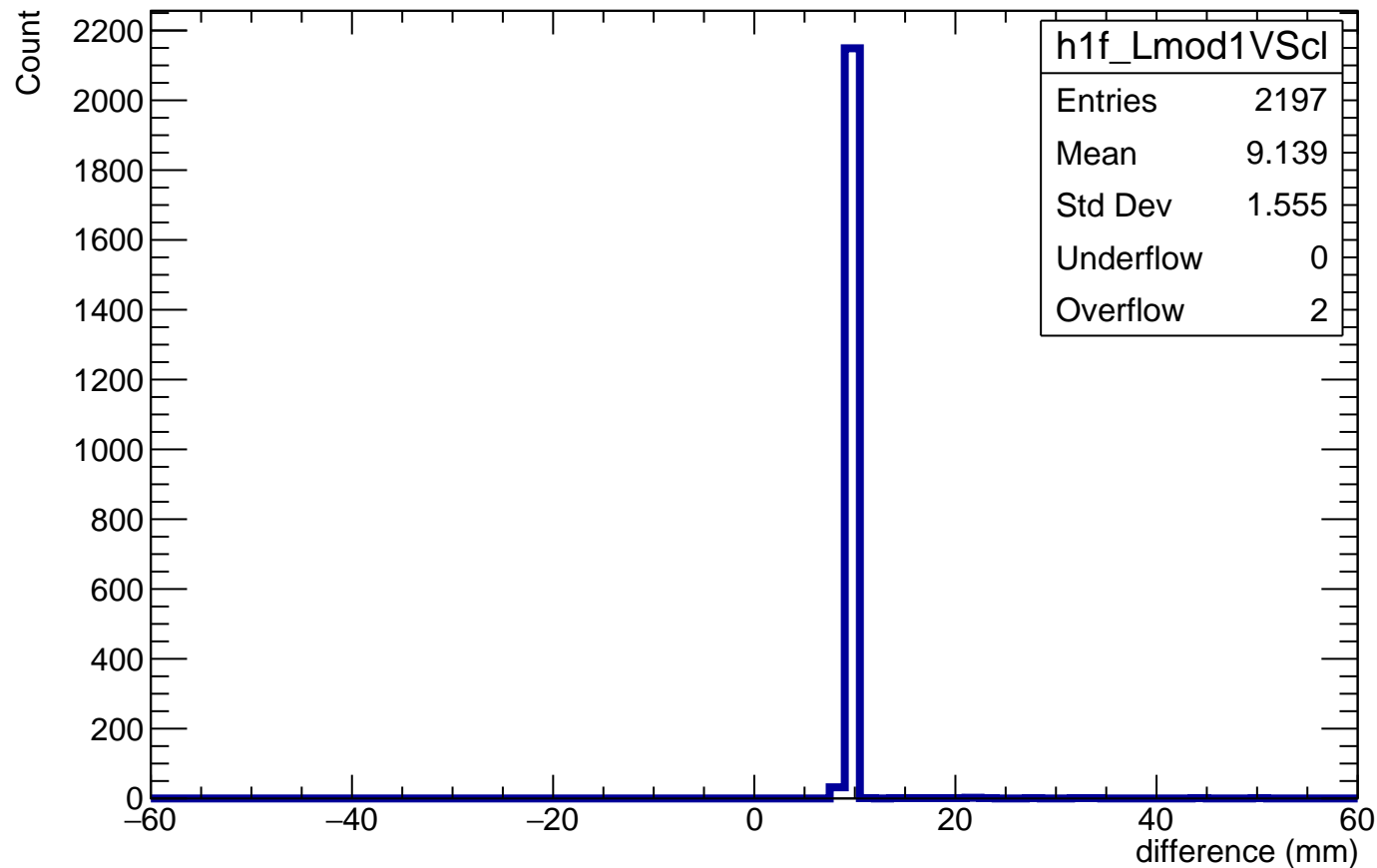
distance of track in cluster



Correction A_{max} ratio

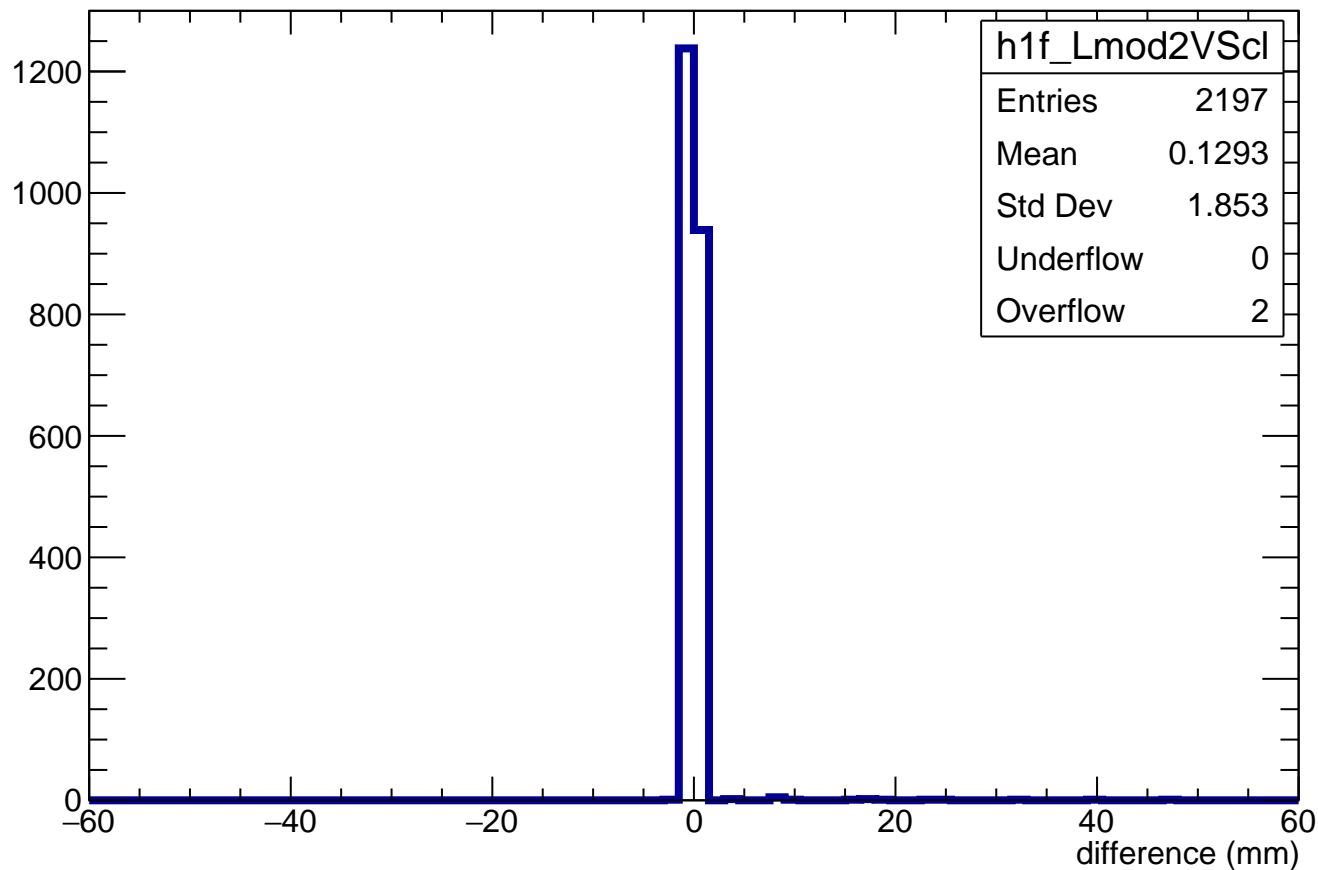


$$L_{\text{ERAM}} * 0.7 - \sum L_{\text{clus} > 2\text{mm}}$$



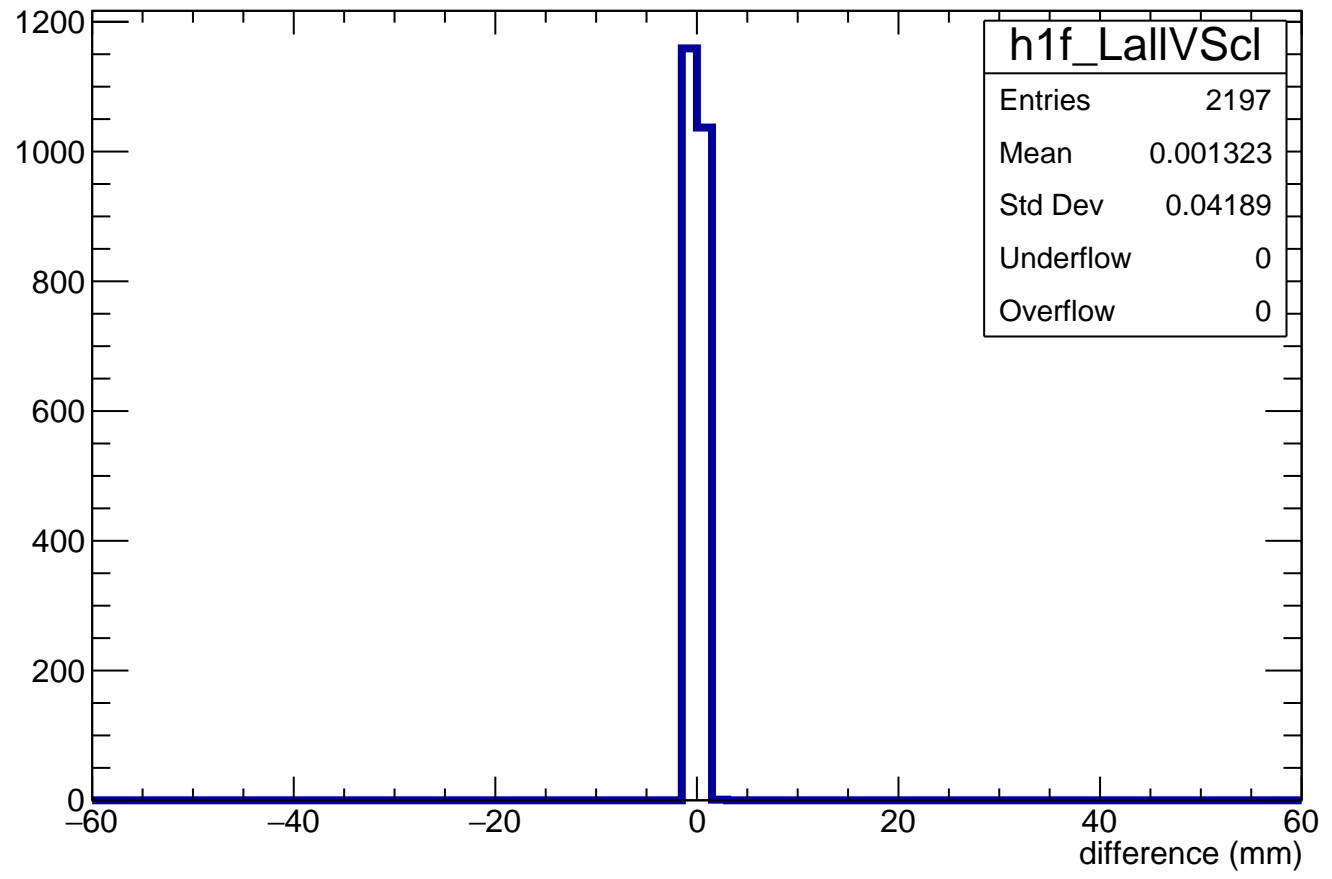
$$L_{\text{ERAM}} * (N_{\text{trunc cross}} / N_{\text{clus cross} > 2\text{mm}}) - \sum L_{\text{clus} > 2\text{mm}}$$

Count

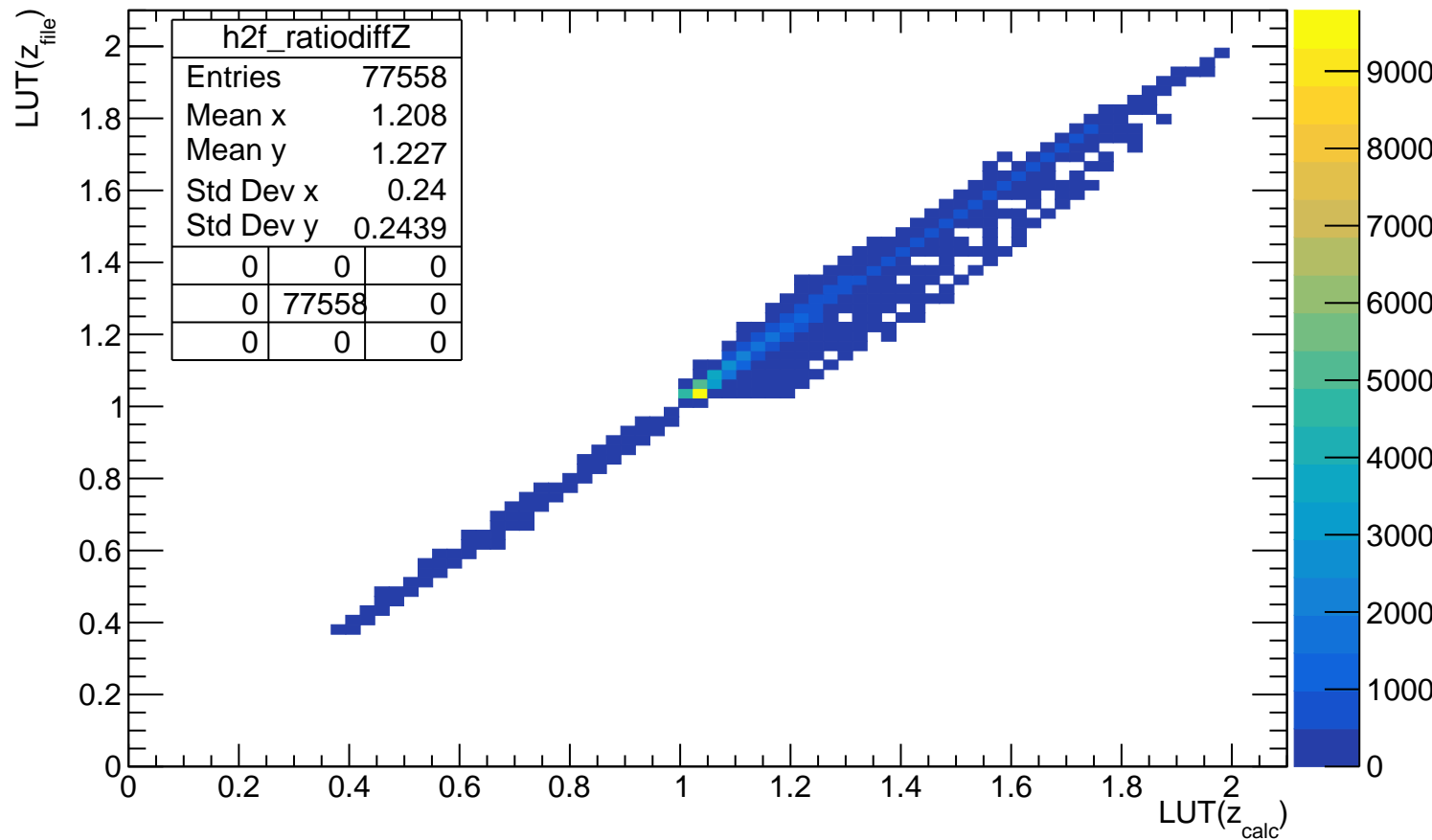


$L_{\text{clusters}} - L_{\text{clusters} > 2\text{mm}}$

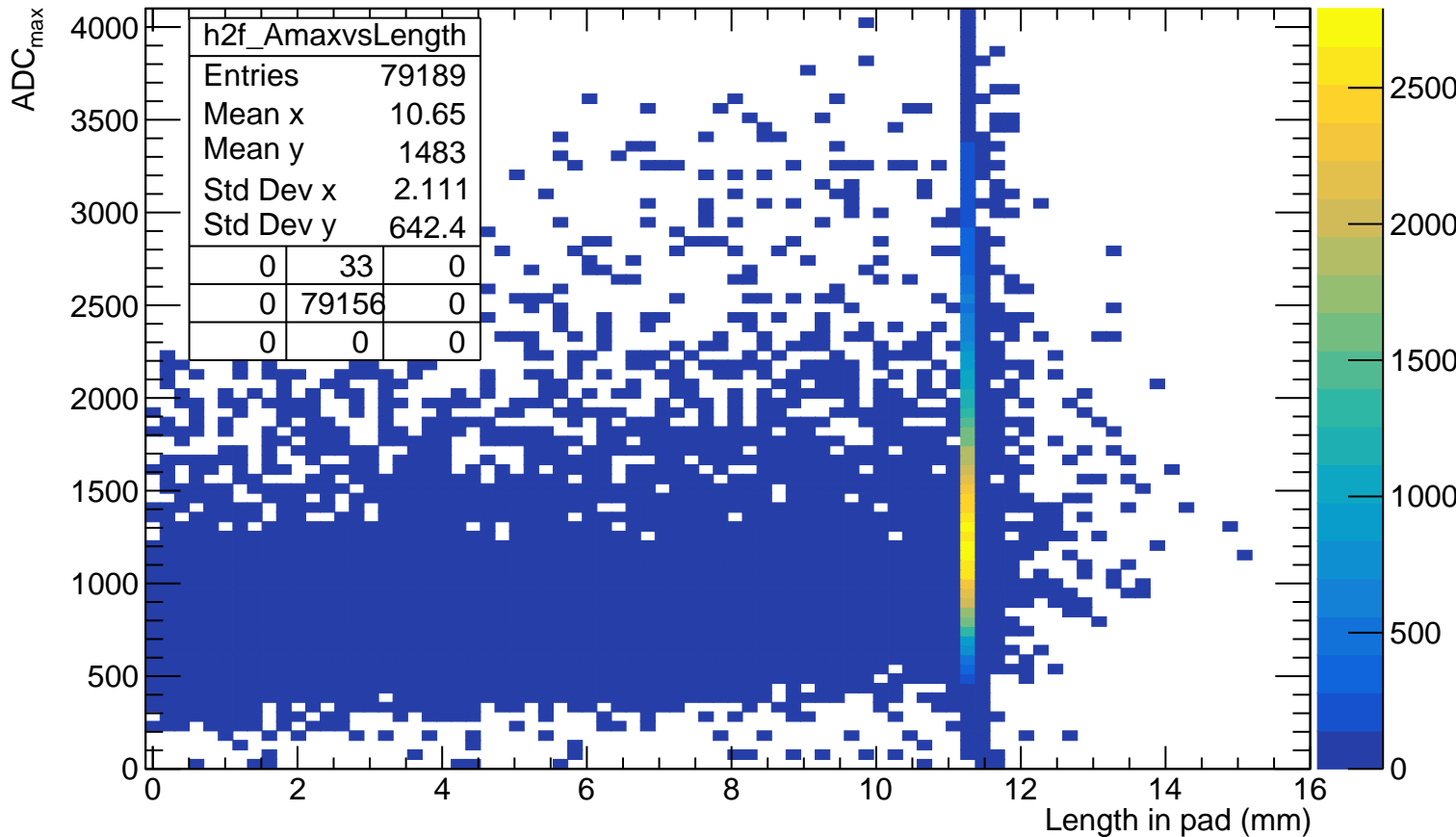
Count



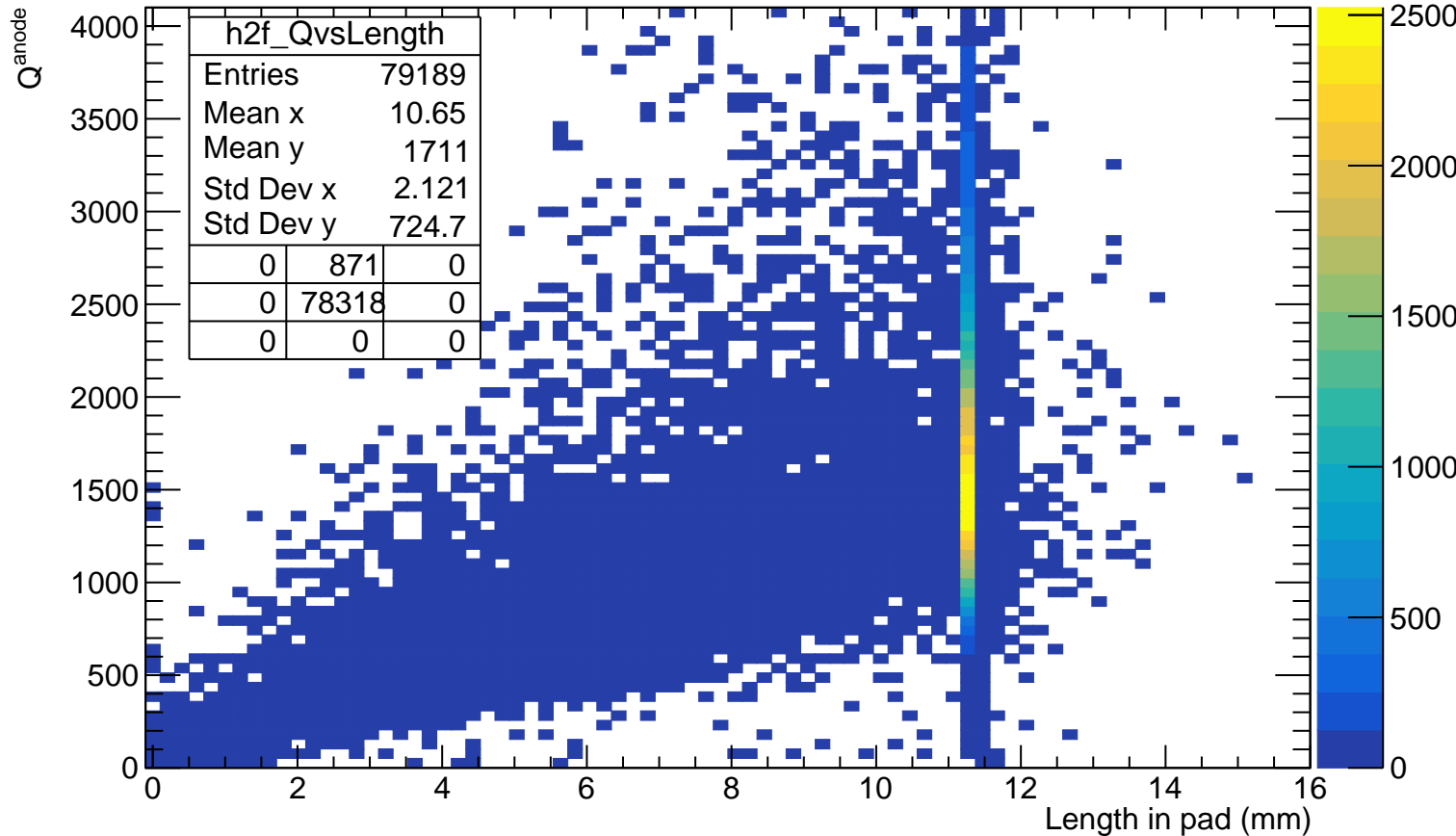
LUT(z_{file}) vs LUT(z_{calc})



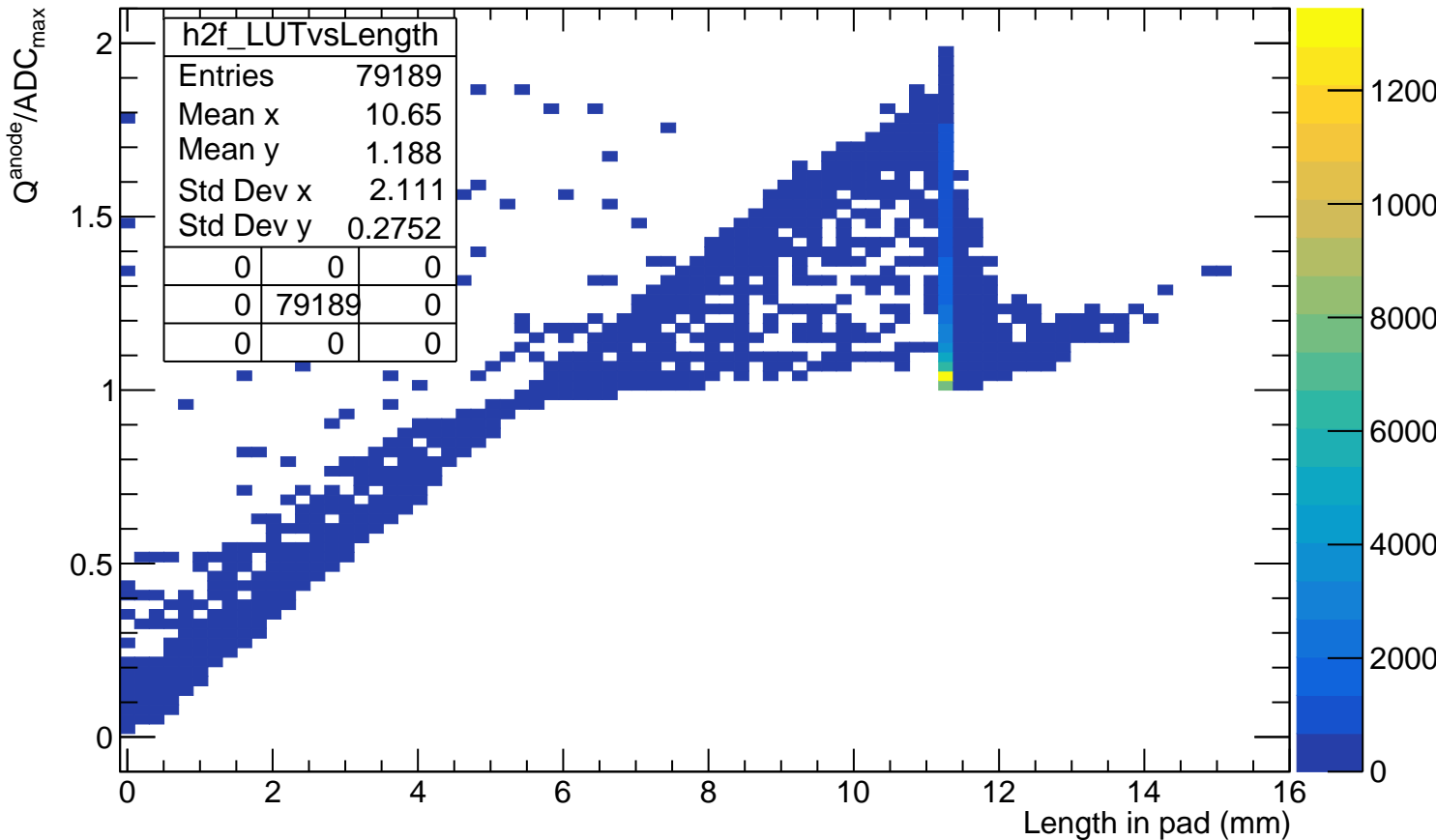
ADC_{max} VS length in pad (before length cut)



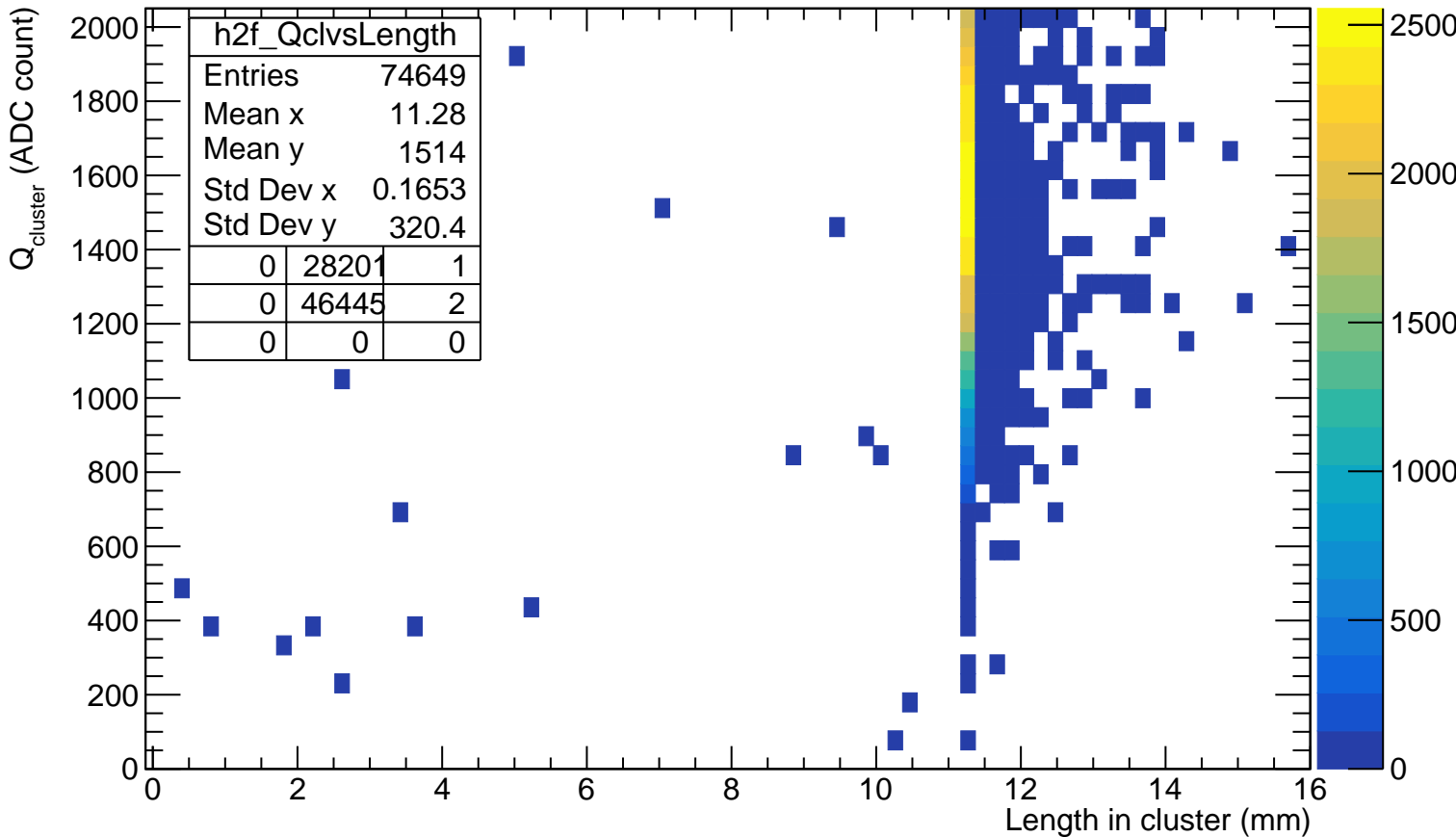
Q^{anode} VS length in pad (before length cut)



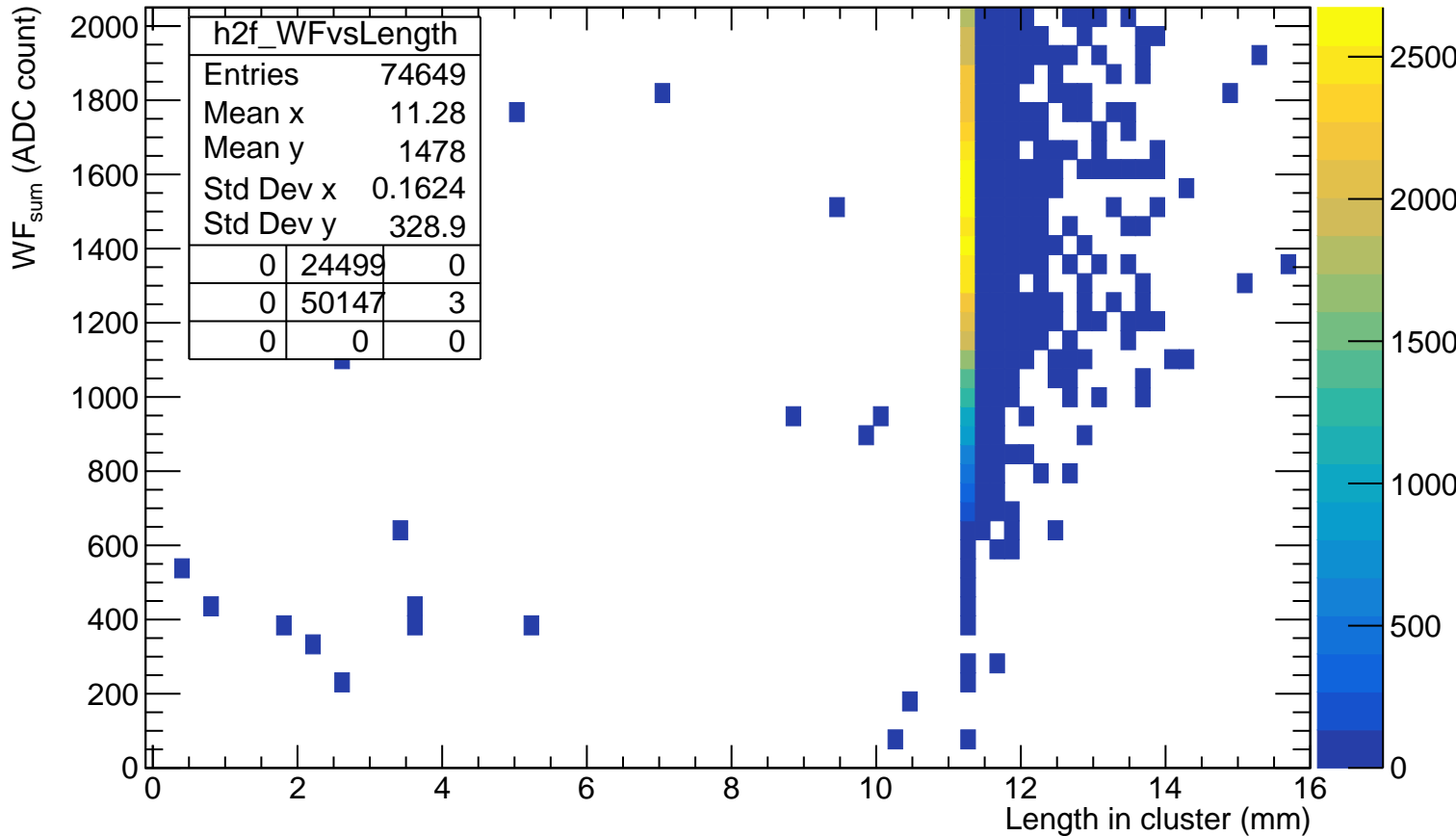
$Q^{\text{anode}}/\text{ADC}_{\text{max}}$ VS length in pad (before length cut)



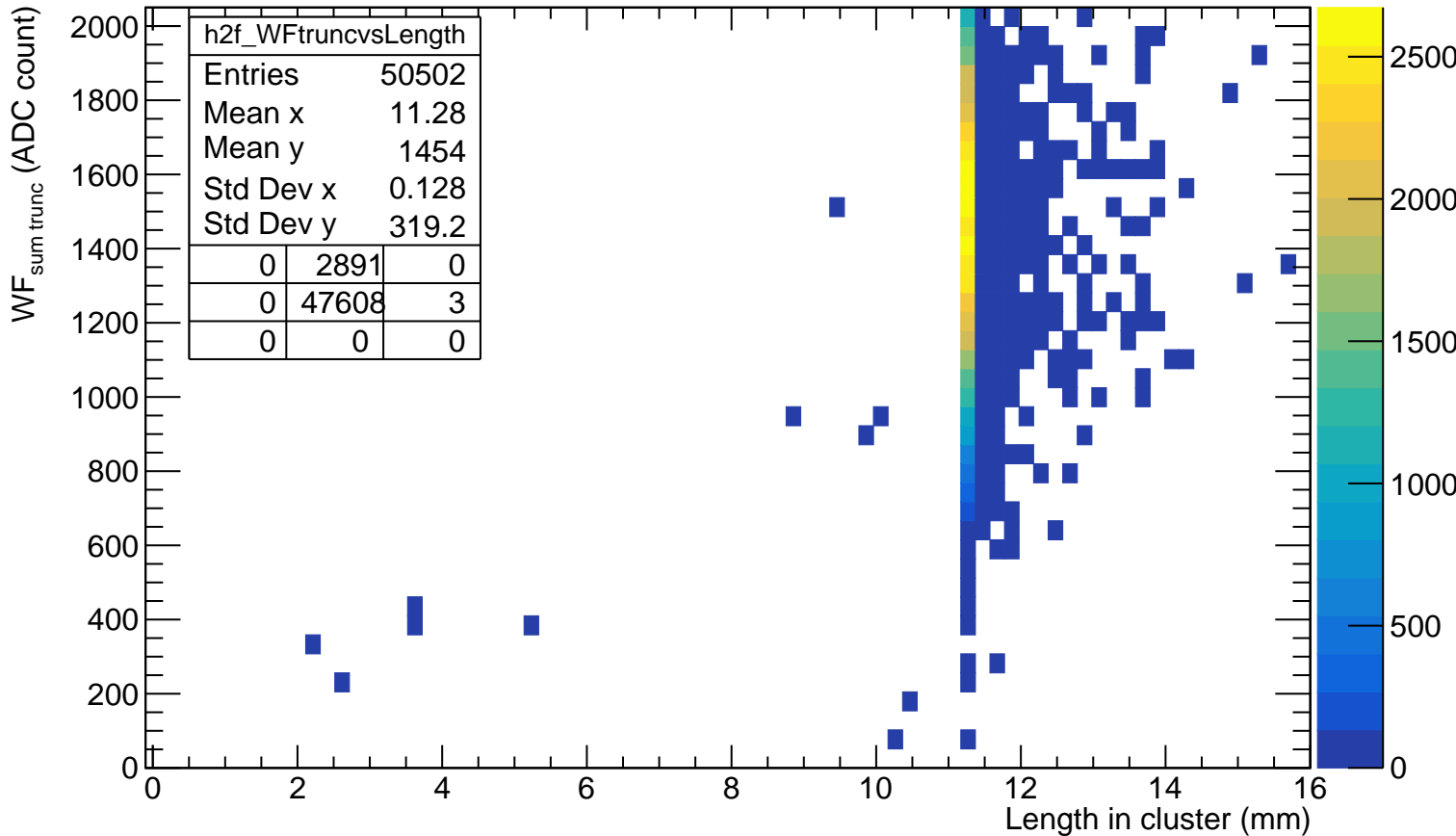
Q_{cluster} VS length in cluster



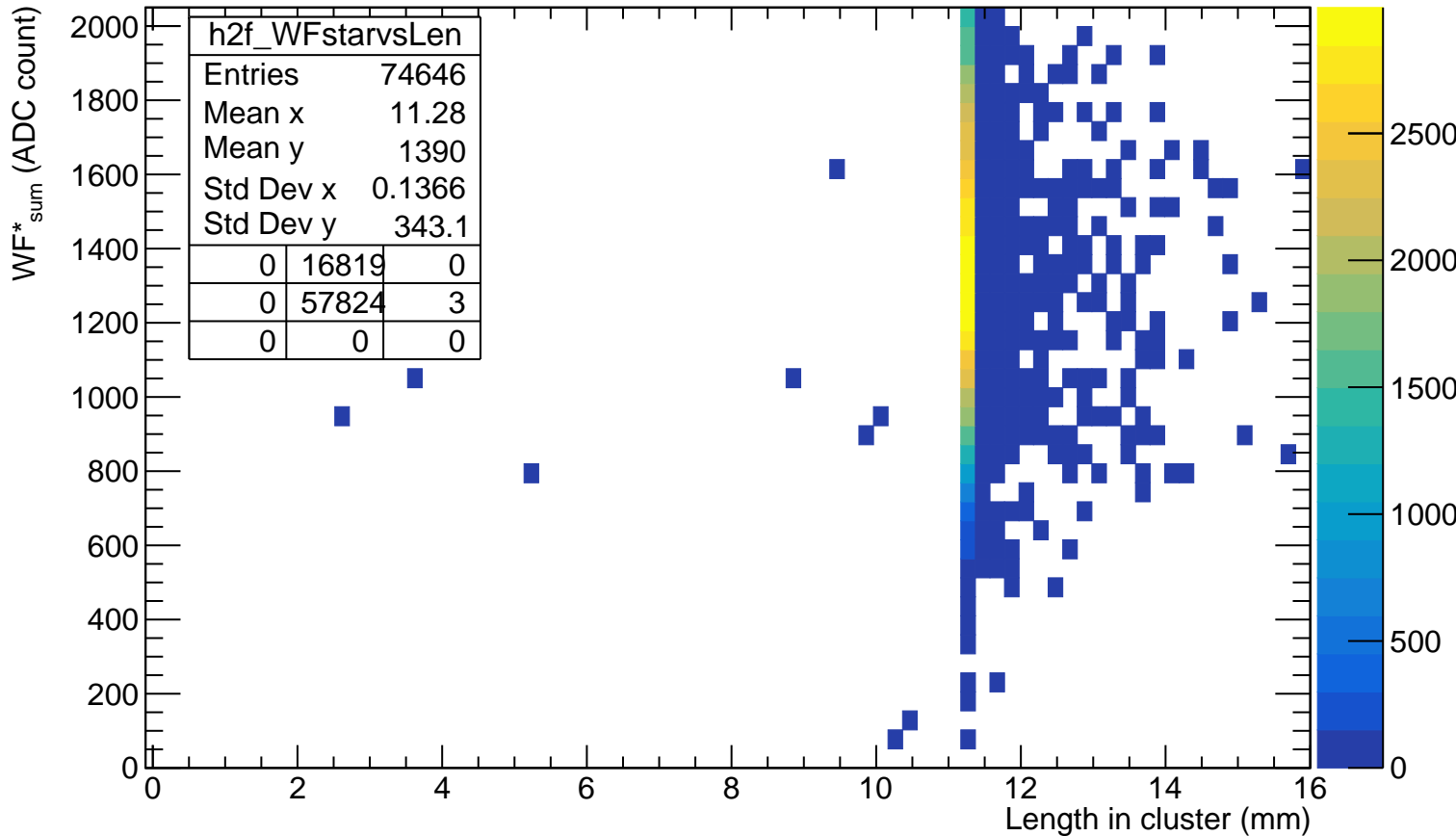
WF_{sum} VS length in cluster



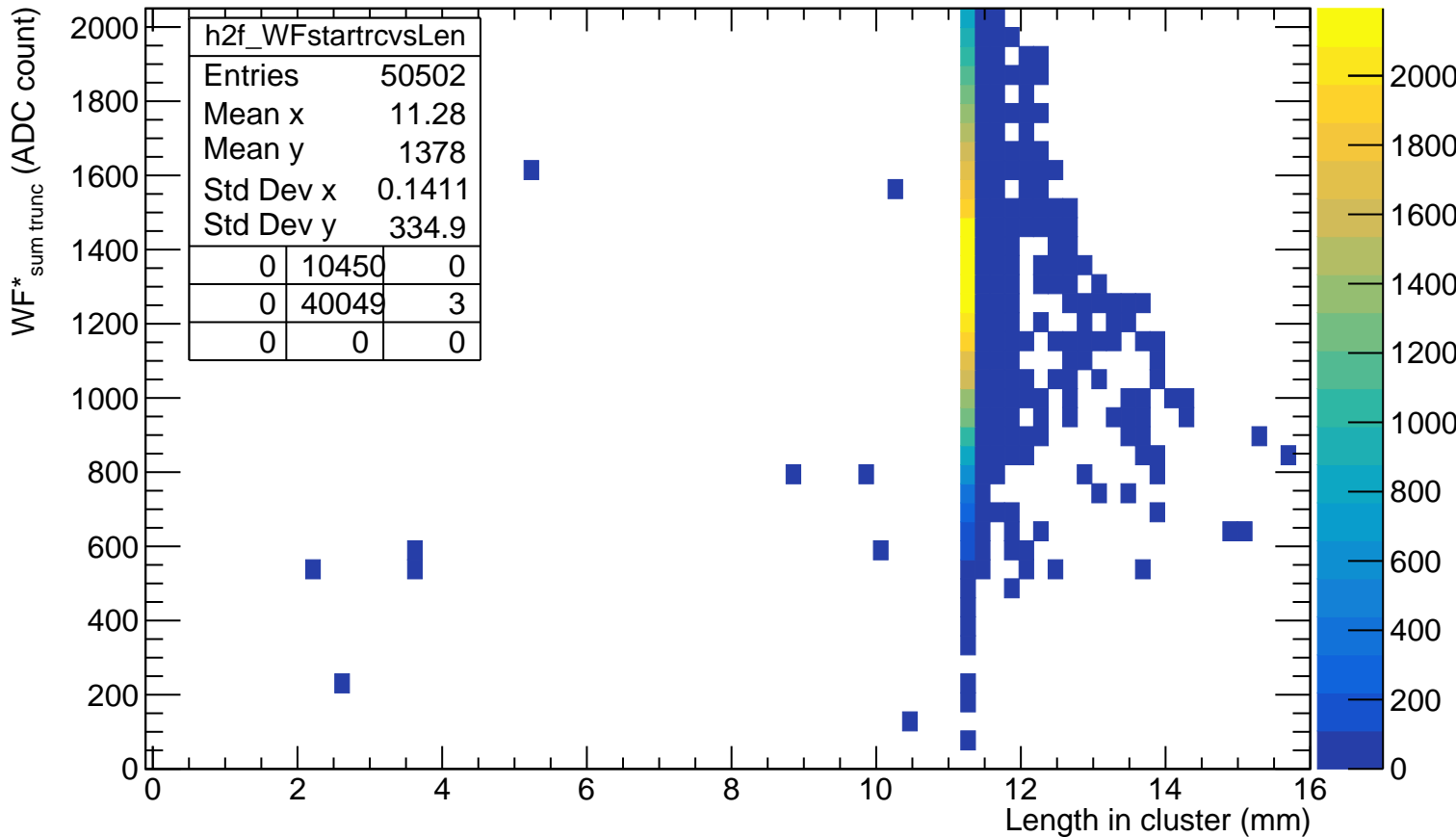
WF_{sum truncated} VS length in cluster



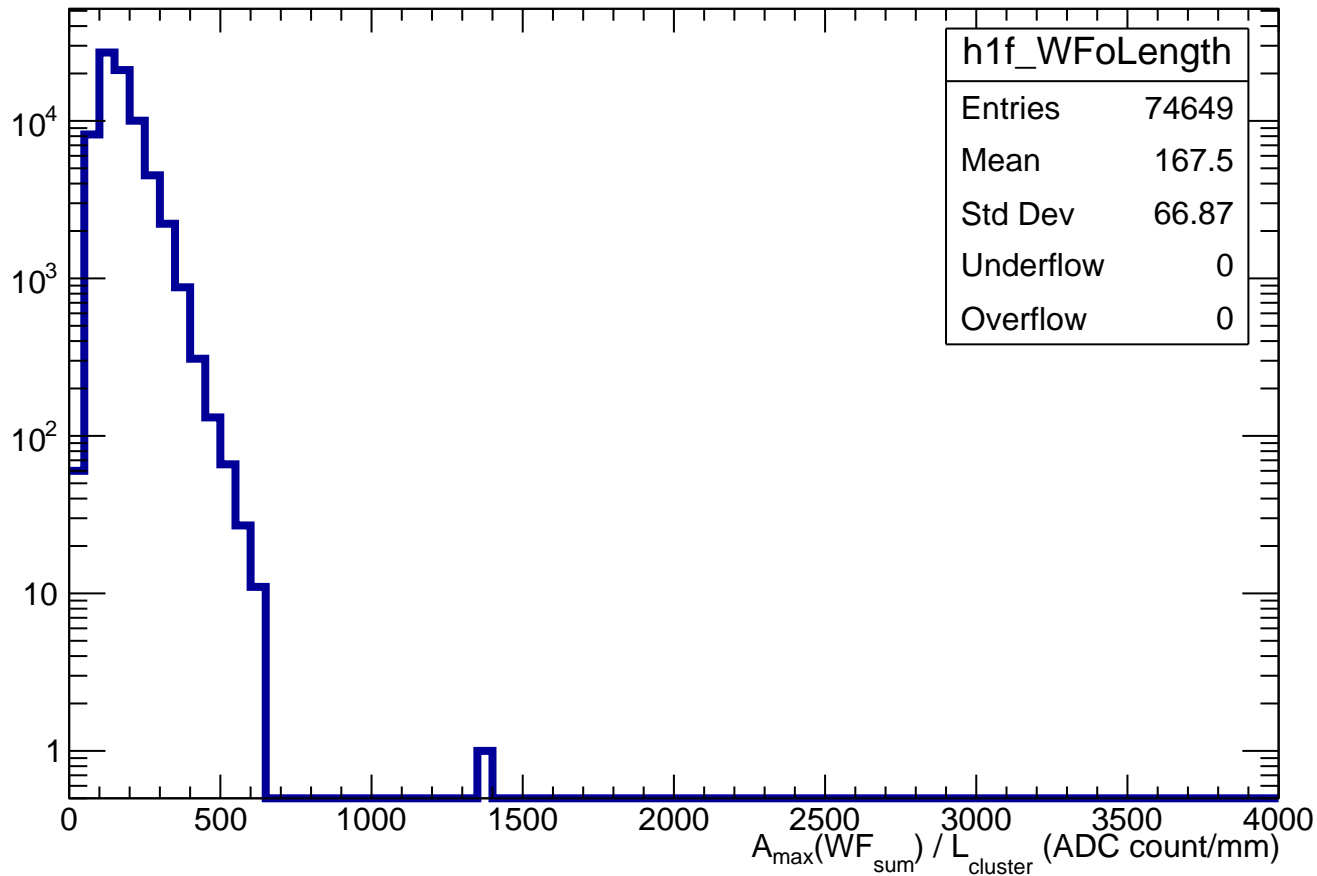
WF*_{sum} VS length in cluster



WF*_{sum truncated} VS length in cluster



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



impact parameter d vs length in pad

