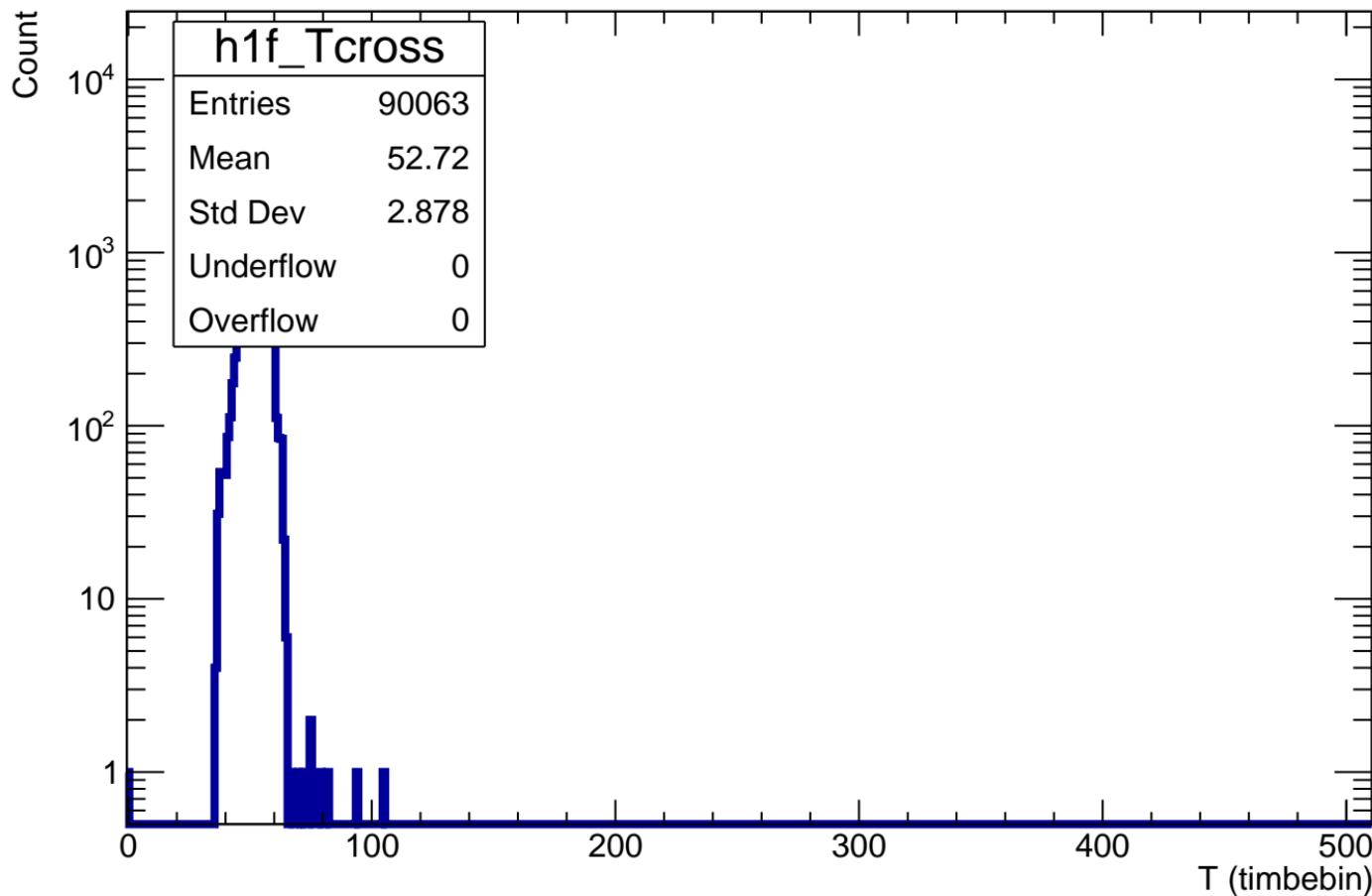
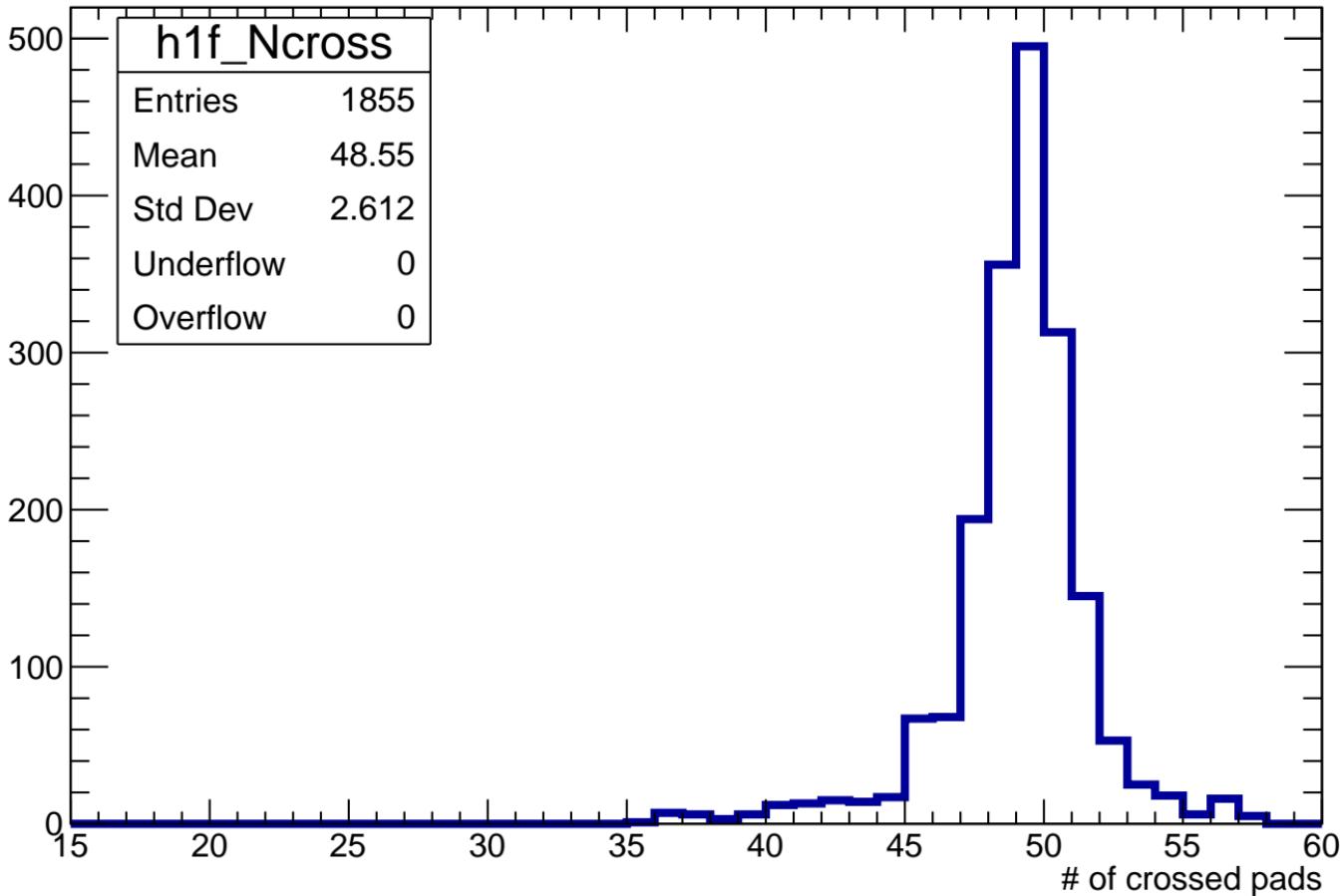


T_{\max} of crossed pads



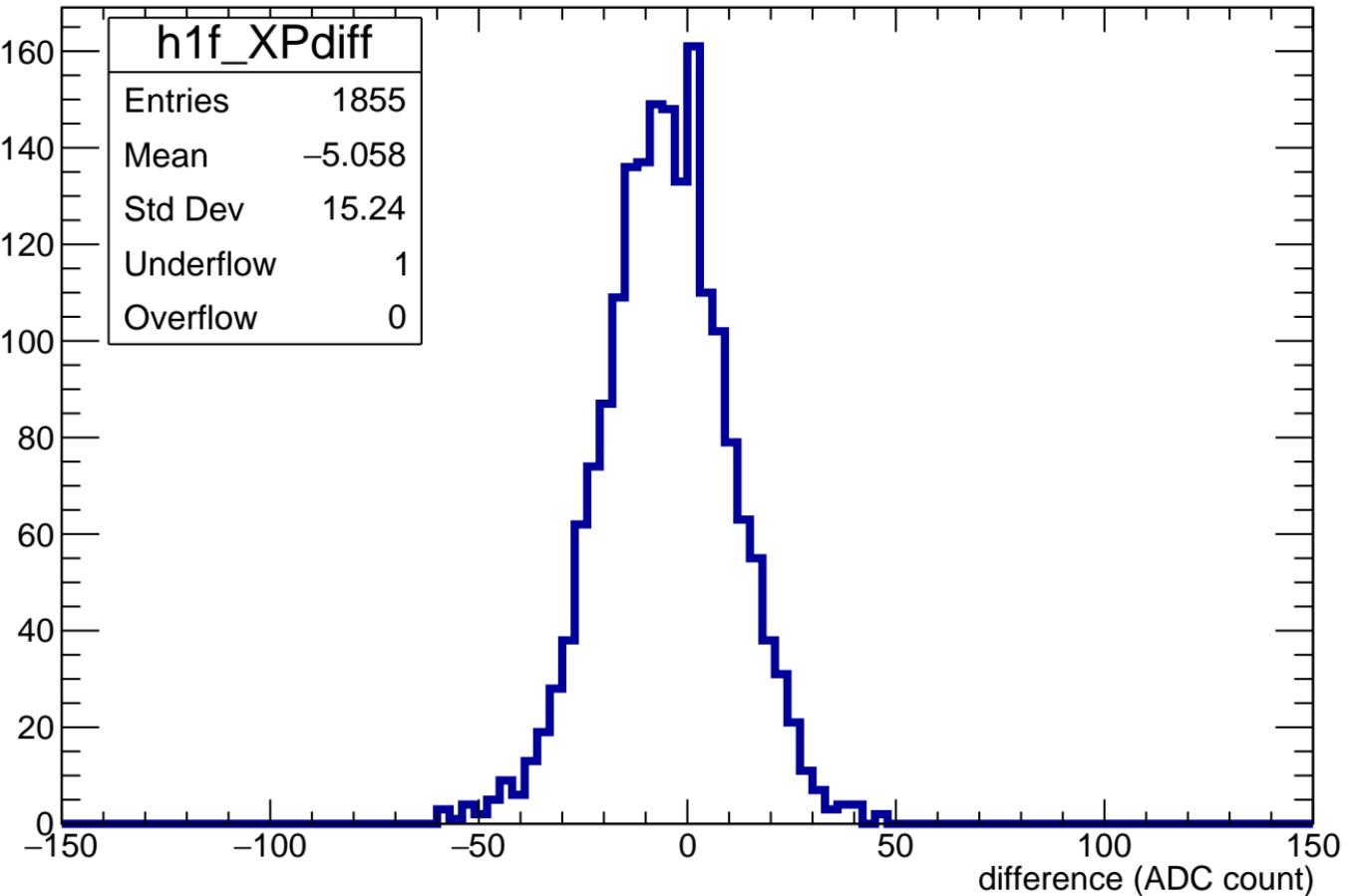
Number of crossed pads

Count



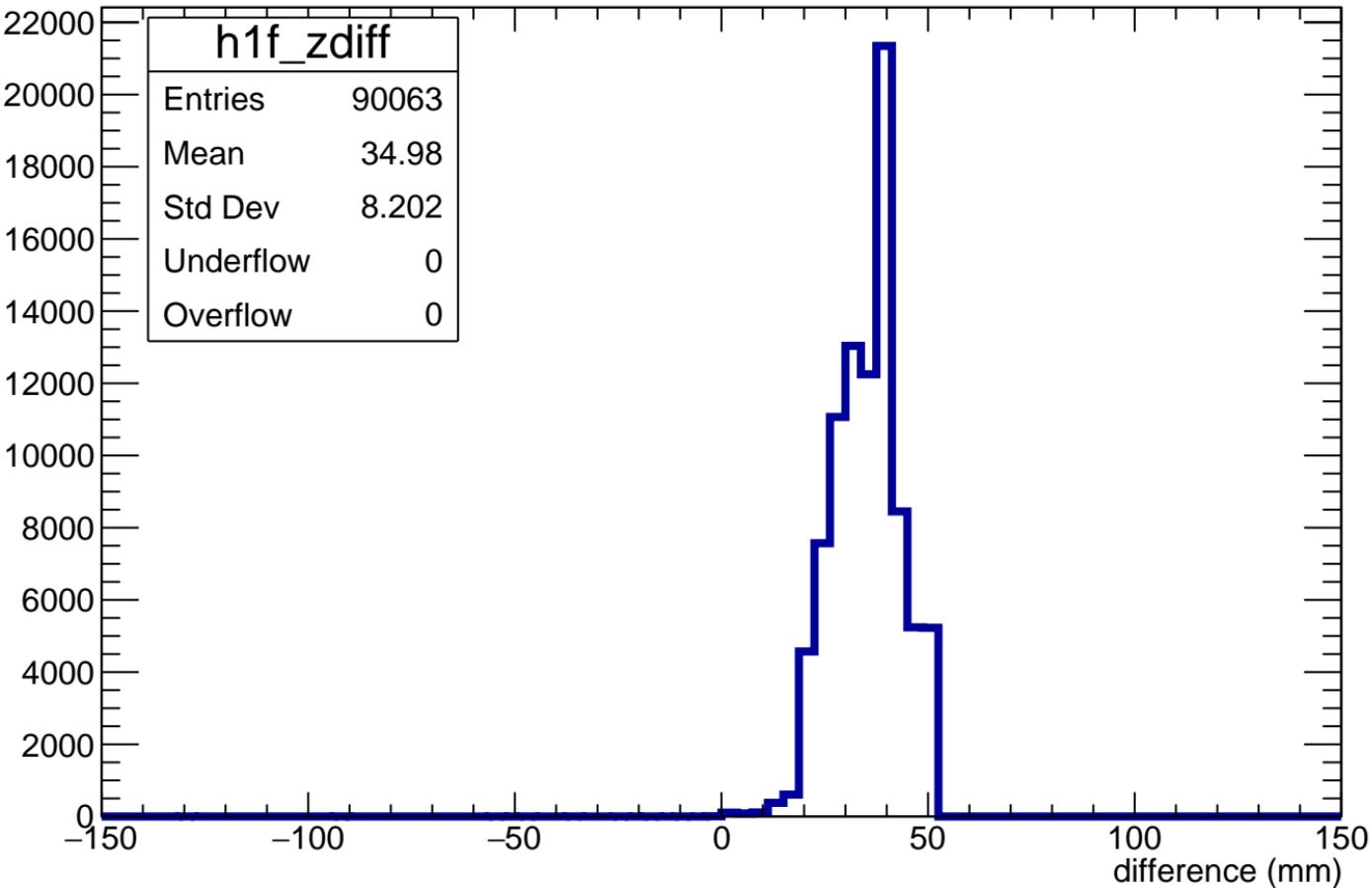
$$\Sigma(Q)/\Sigma(\text{length}) - \text{mean}\{Q/\text{length}\}$$

Count

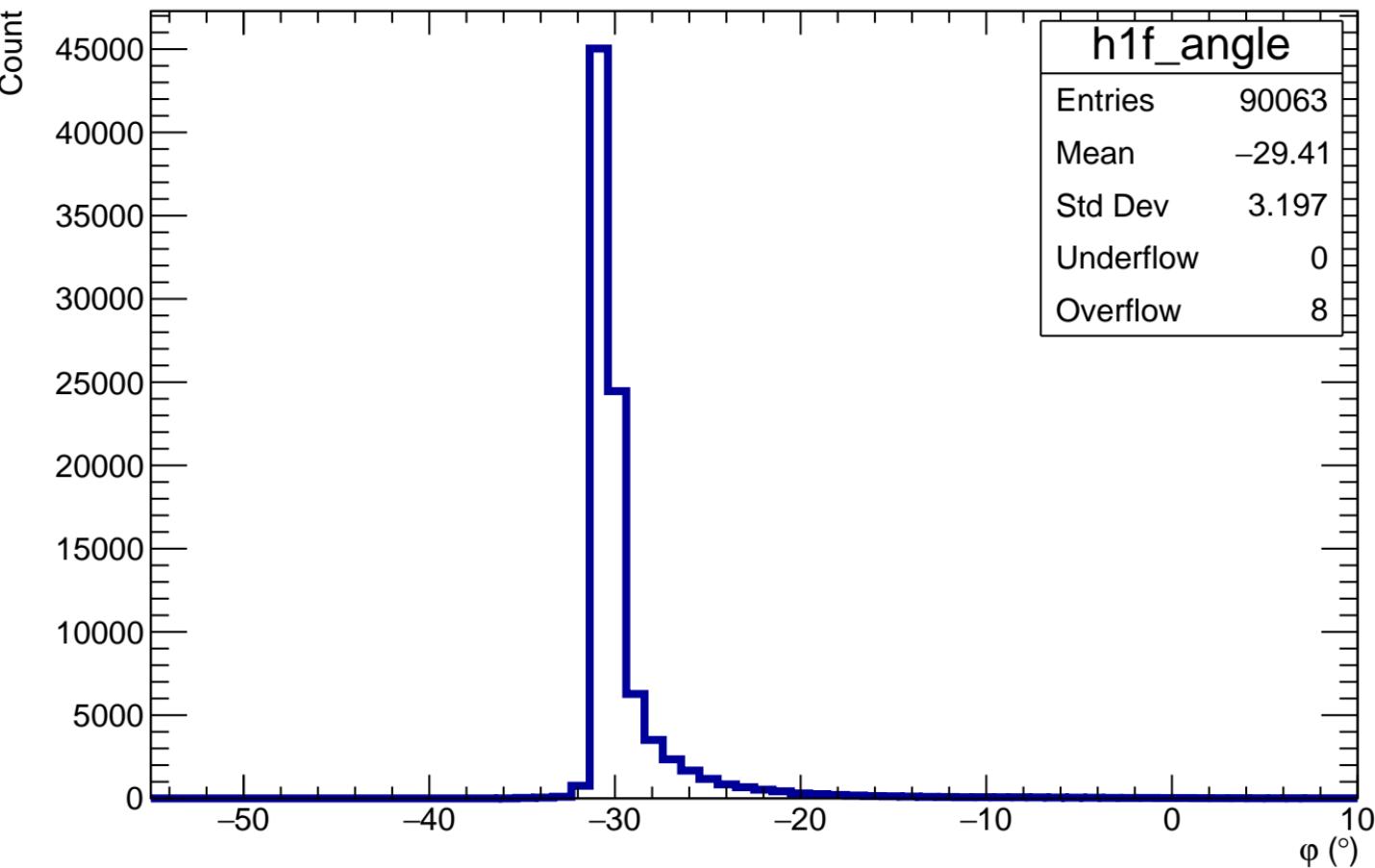


$Z_{\text{file}} = 50\text{mm} - Z_{\text{computed}}$

Count

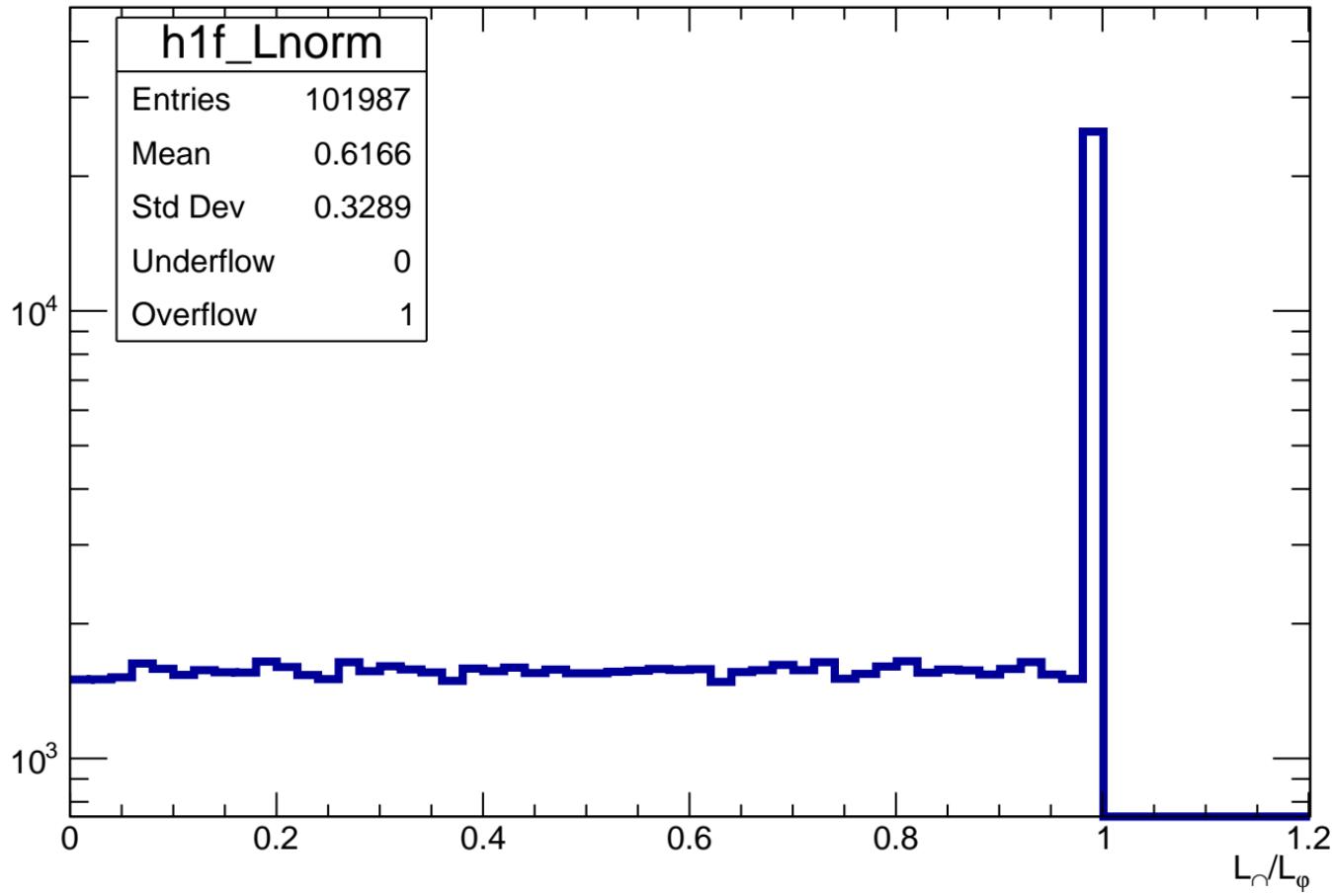


Angle φ in each pad

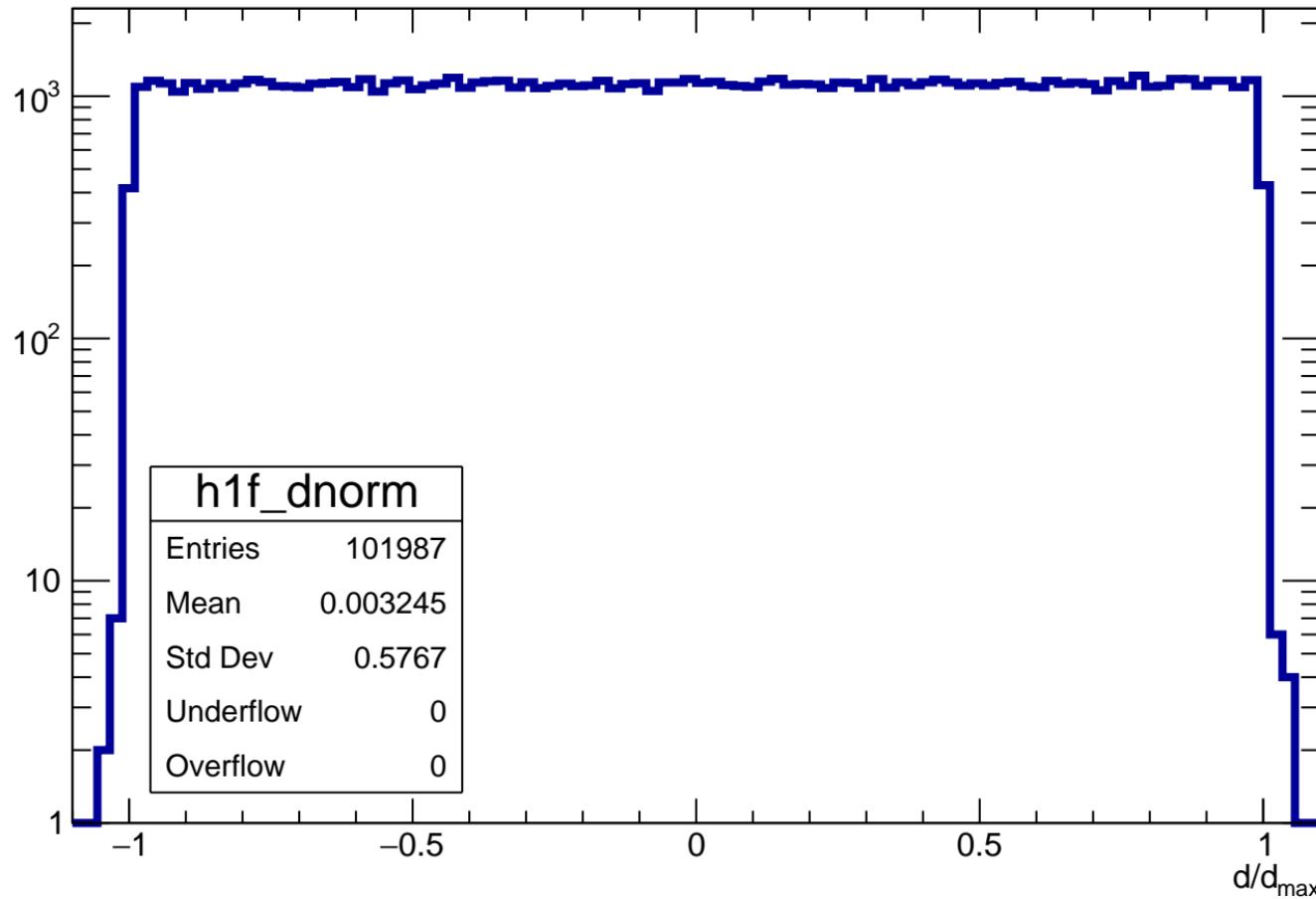


Length in pad normalized to maximum length in pad for a given ϕ

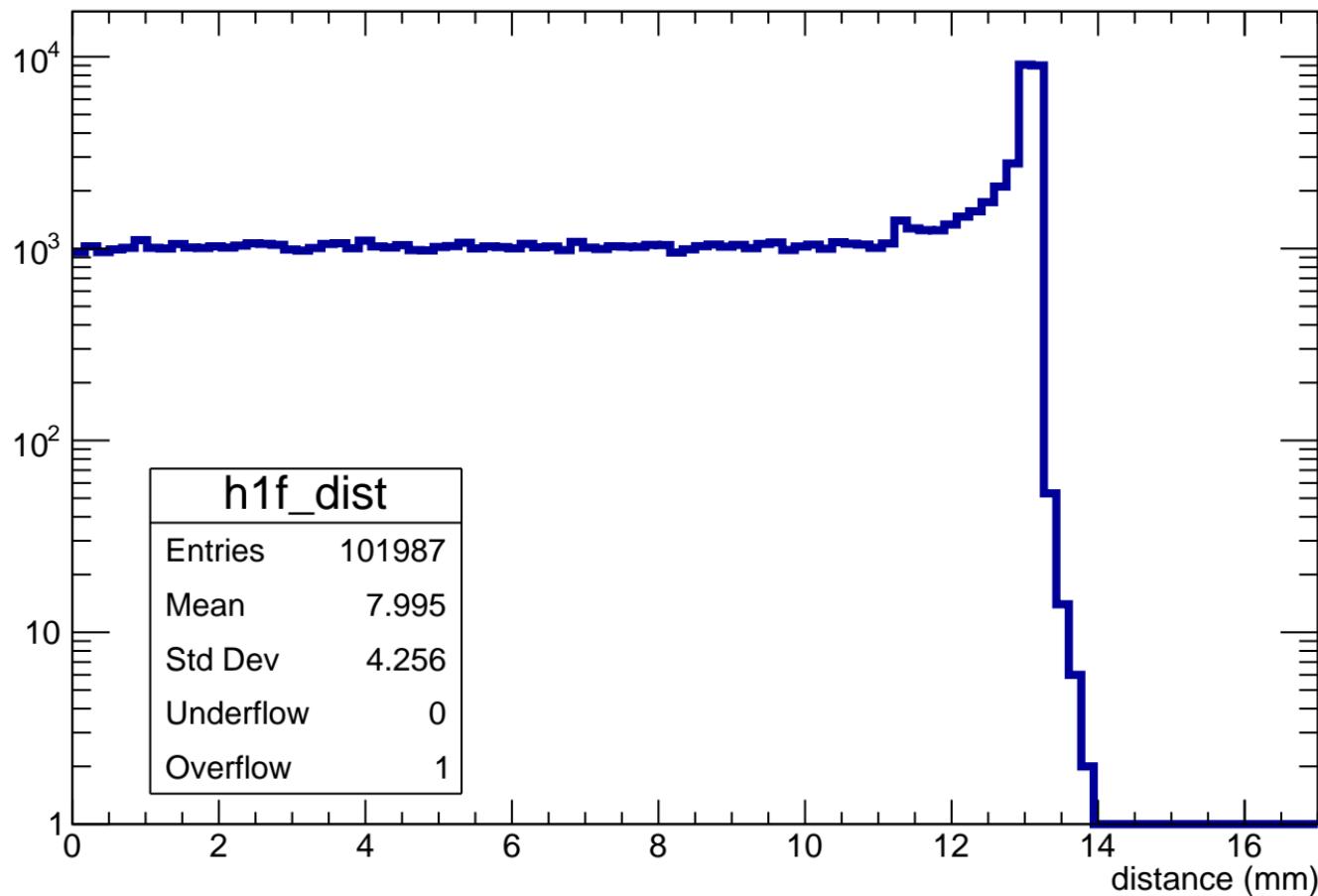
Count



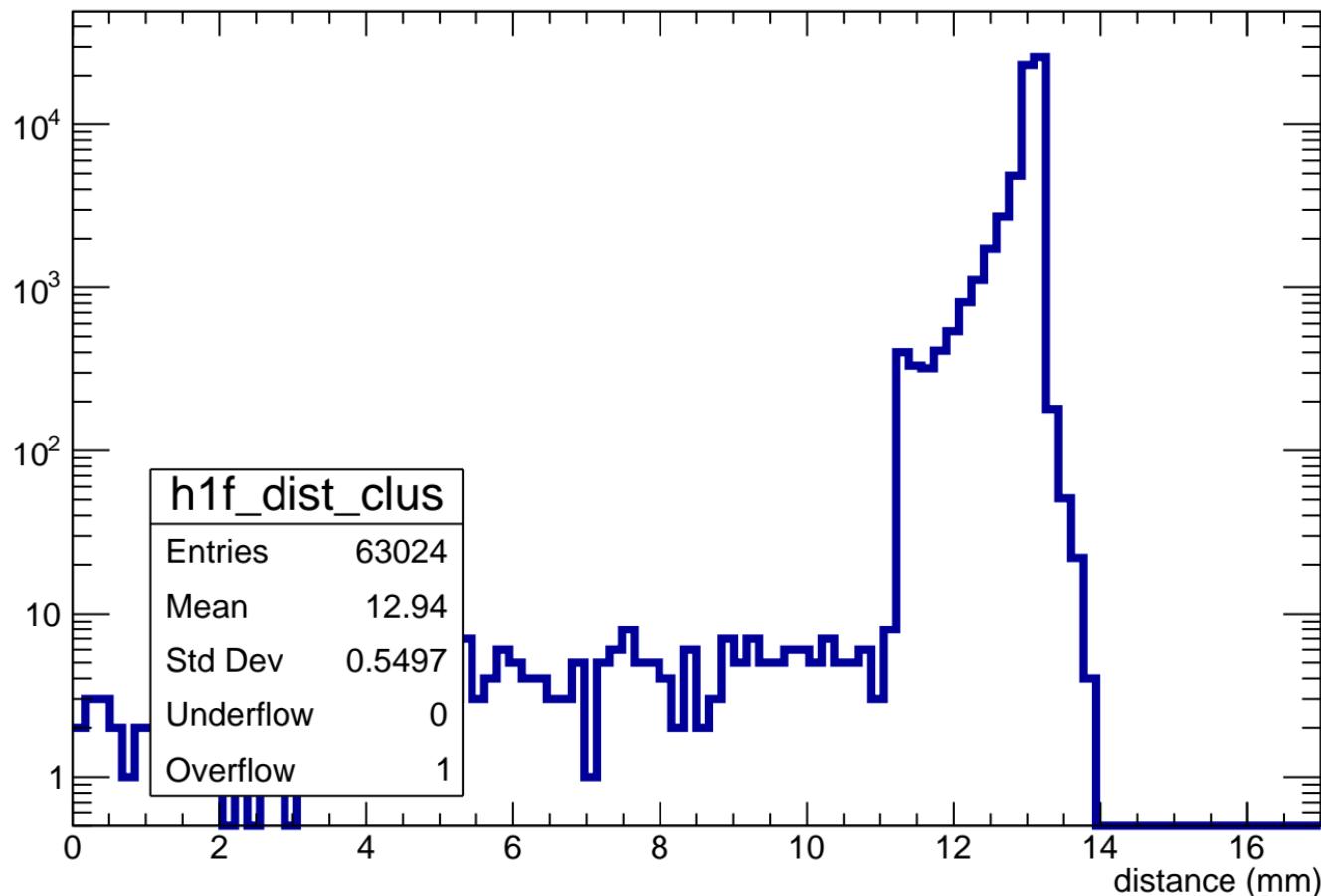
Normalized impact parameter d/d_{\max}



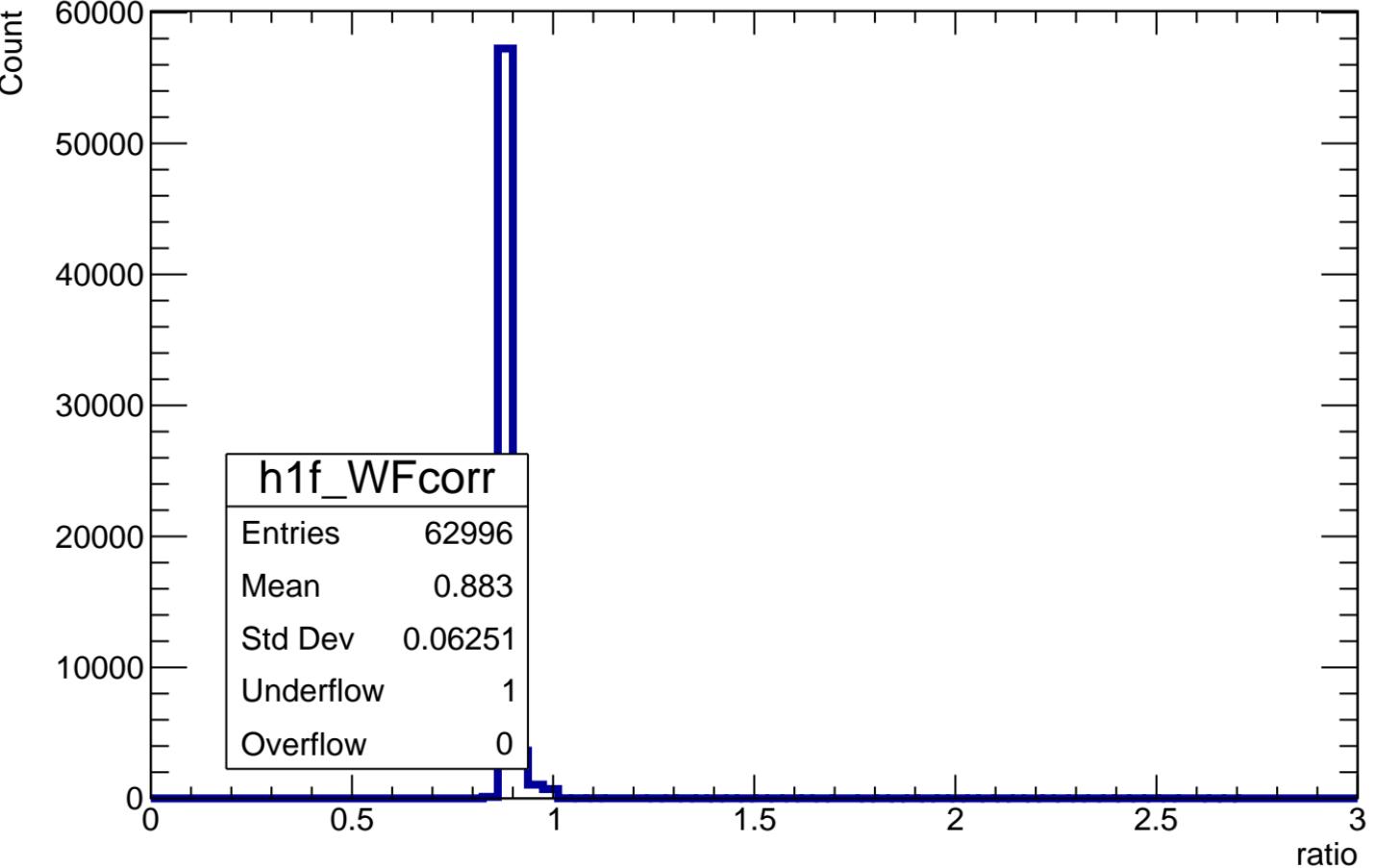
distance of track in pad



distance of track in cluster



Correction A_{max} ratio



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

Count

1000

800

600

400

200

0

-60

-40

-20

0

20

40

60

difference (mm)

h1f_Lmod1VScI	
Entries	1855
Mean	11.03
Std Dev	2.109
Underflow	1
Overflow	0

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

Count

1000

800

600

400

200

0

-40

-20

0

20

40

60

difference (mm)

h1f_Lmod2VScl

Entries 1855

Mean 0.9838

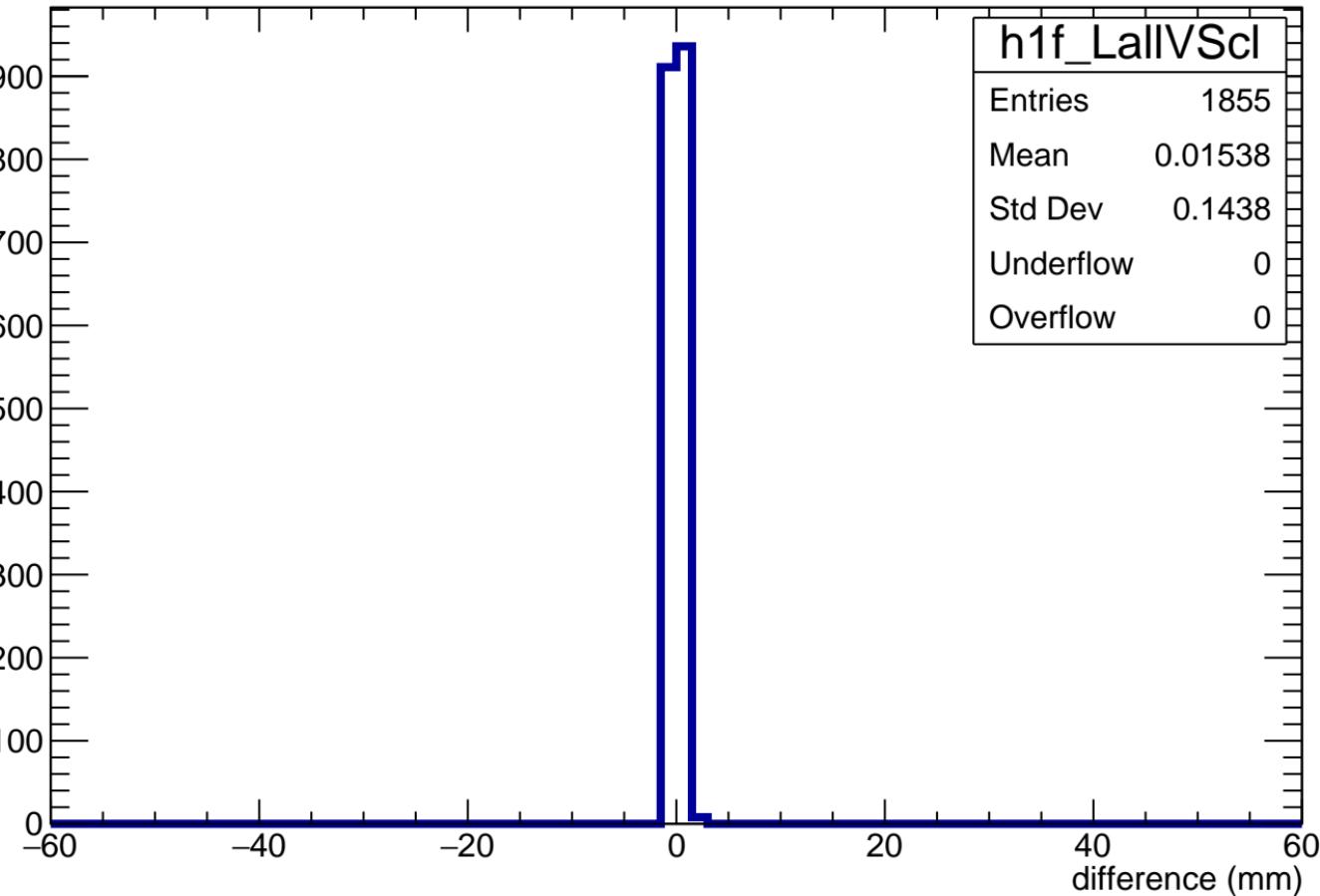
Std Dev 2.789

Underflow 1

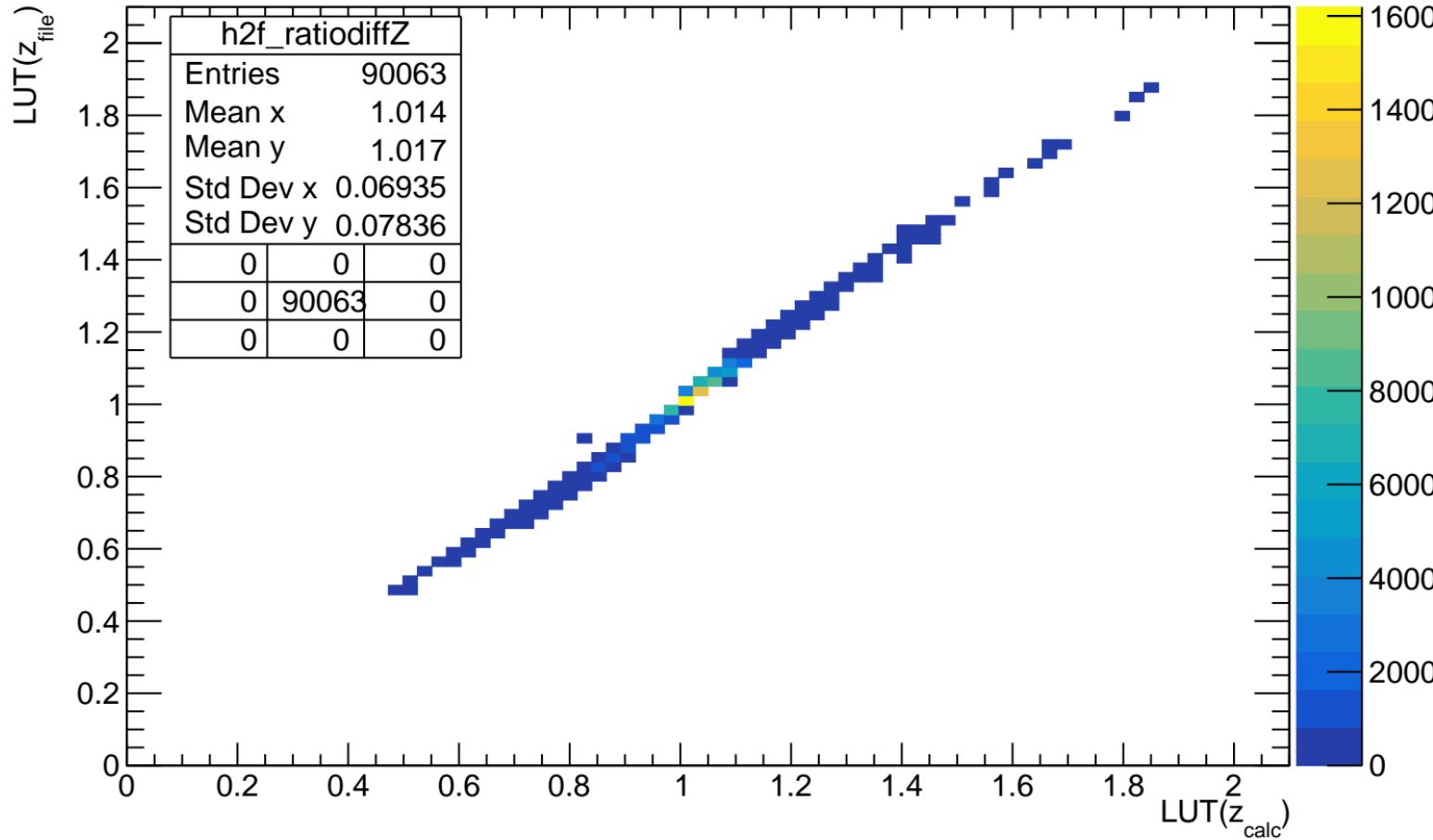
Overflow 0

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

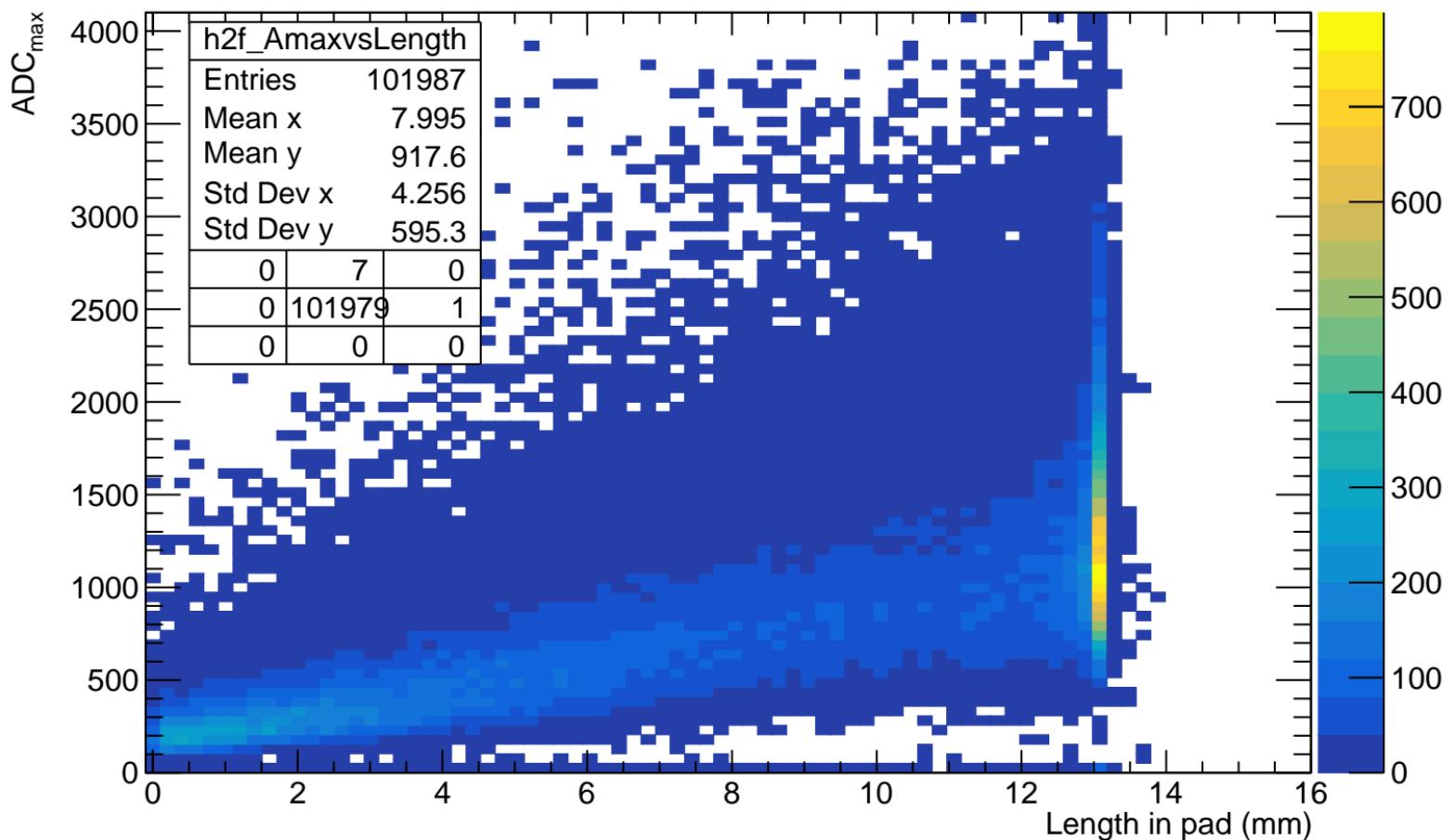
Count



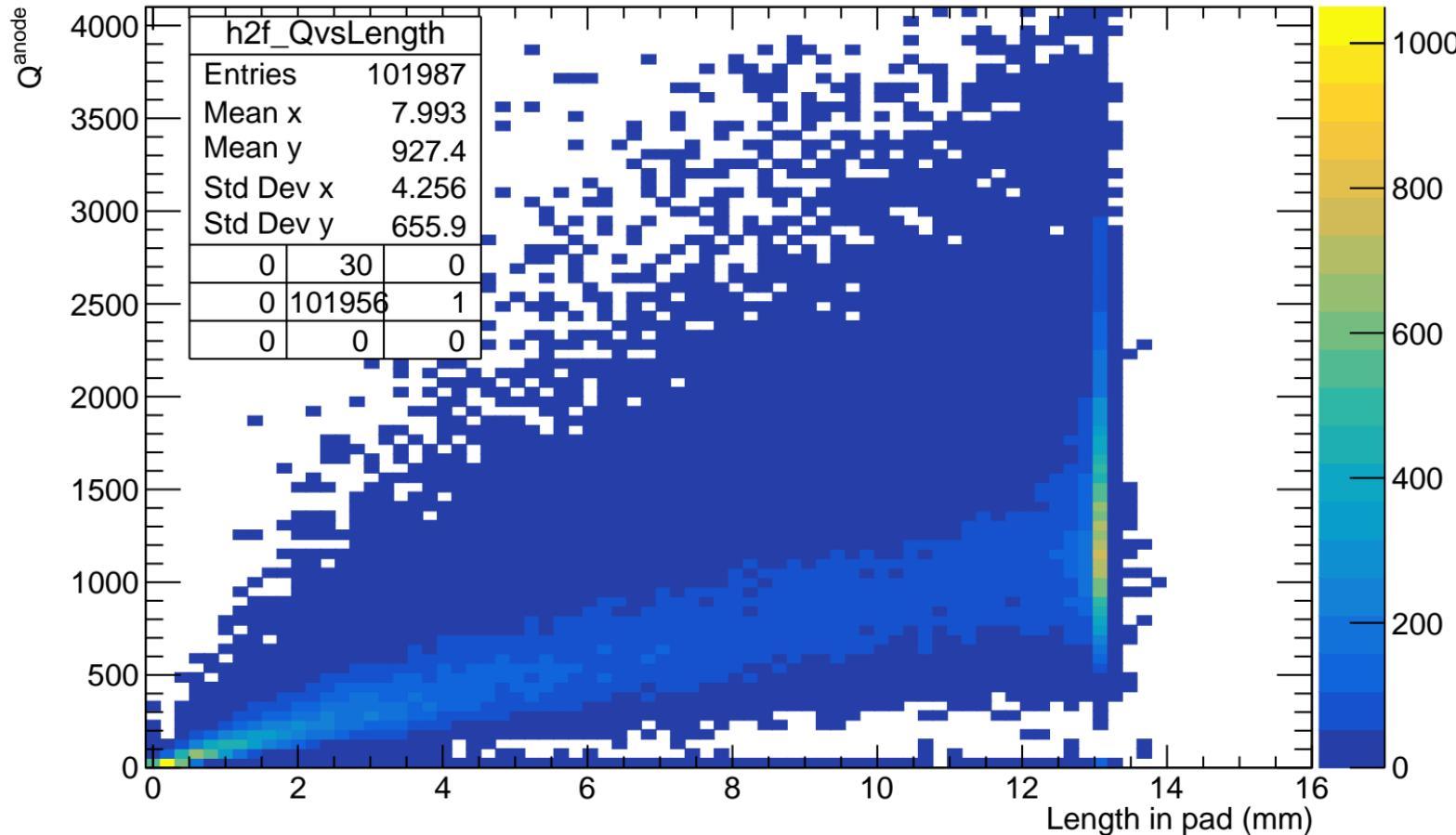
LUT(z_{file}) vs LUT(z_{calc})



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

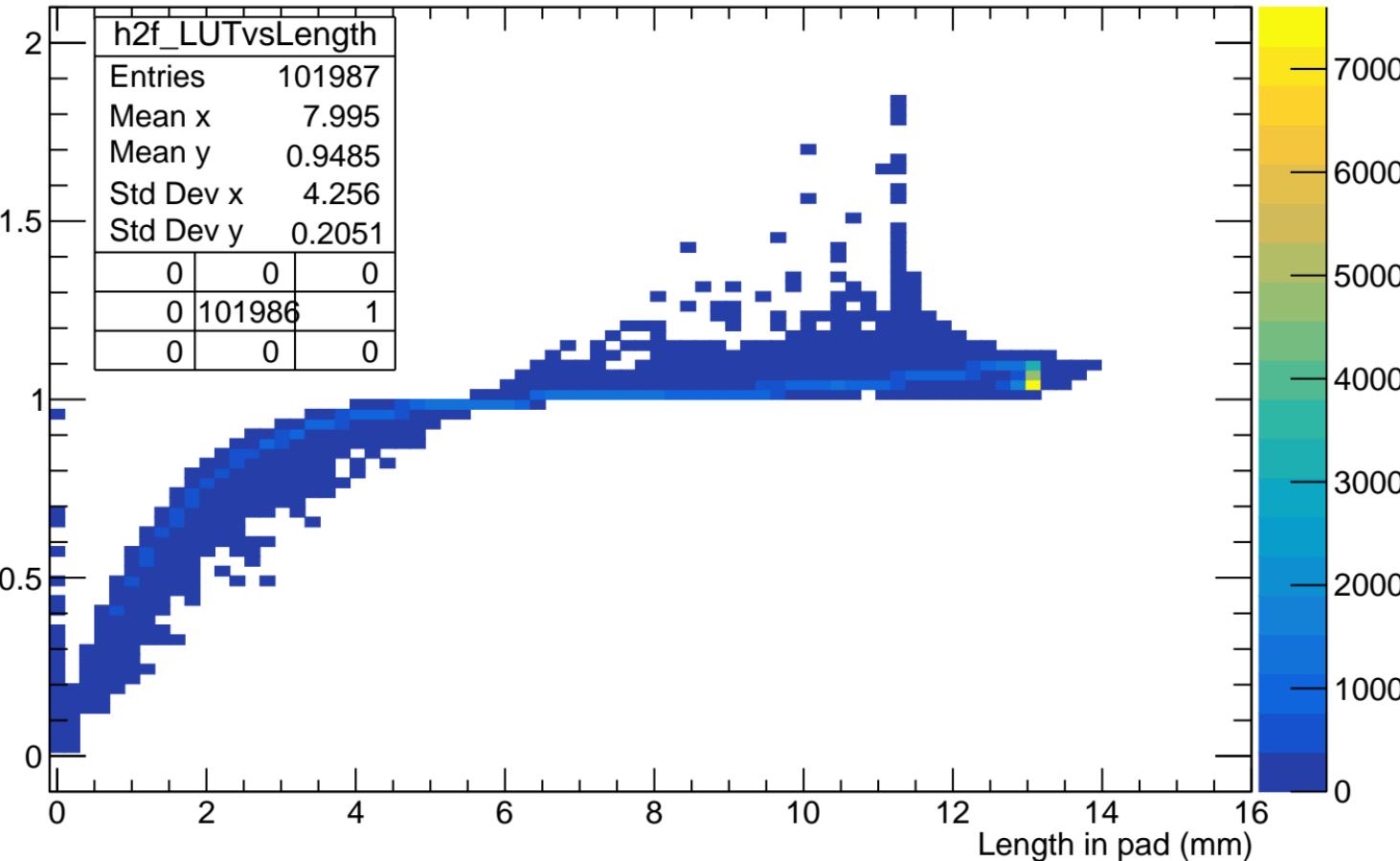


Q^{anode} VS length in pad (before length cut)

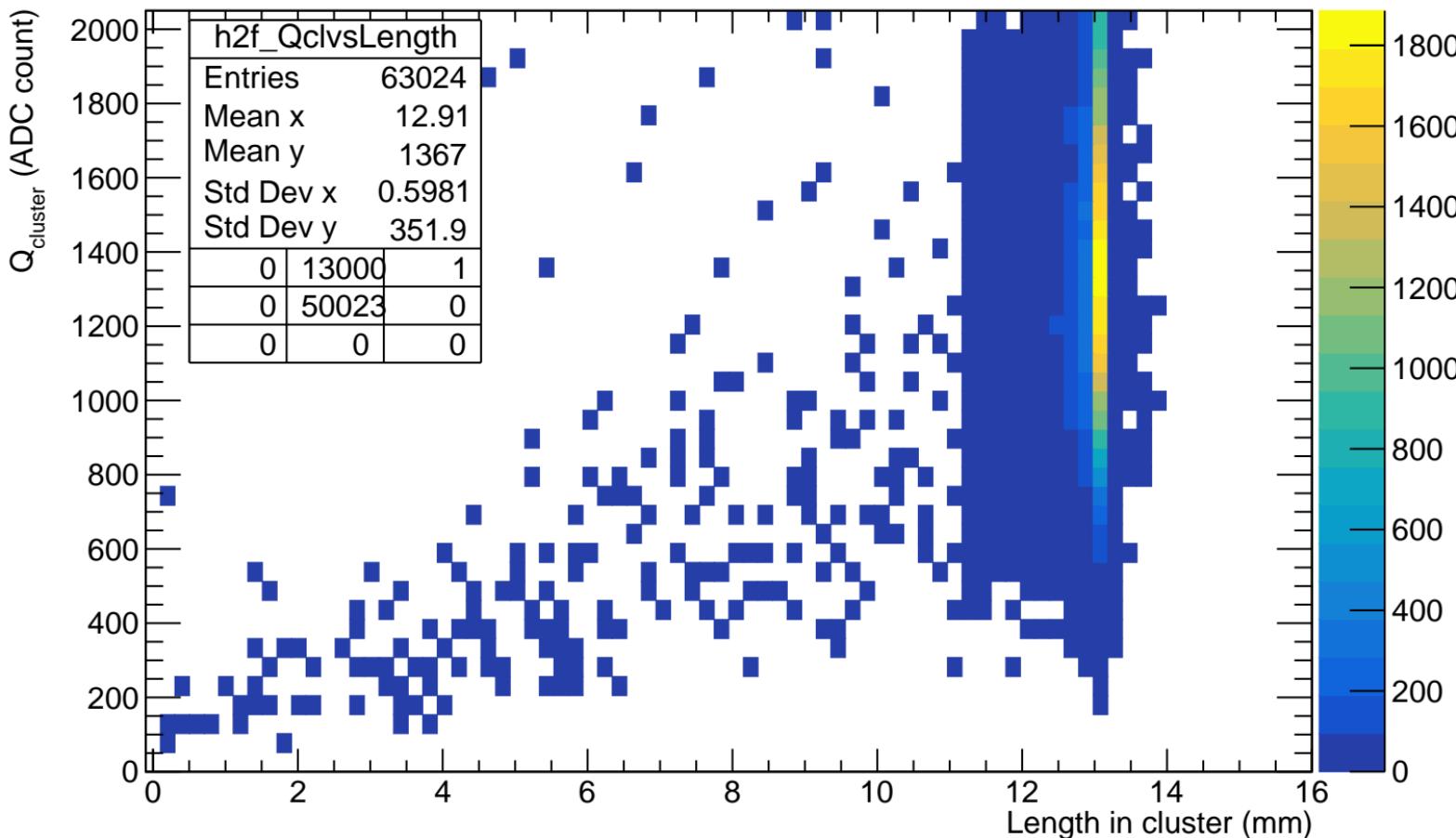


$Q^{\text{anode}}/\text{ADC}_{\max}$ VS length in pad (before length cut)

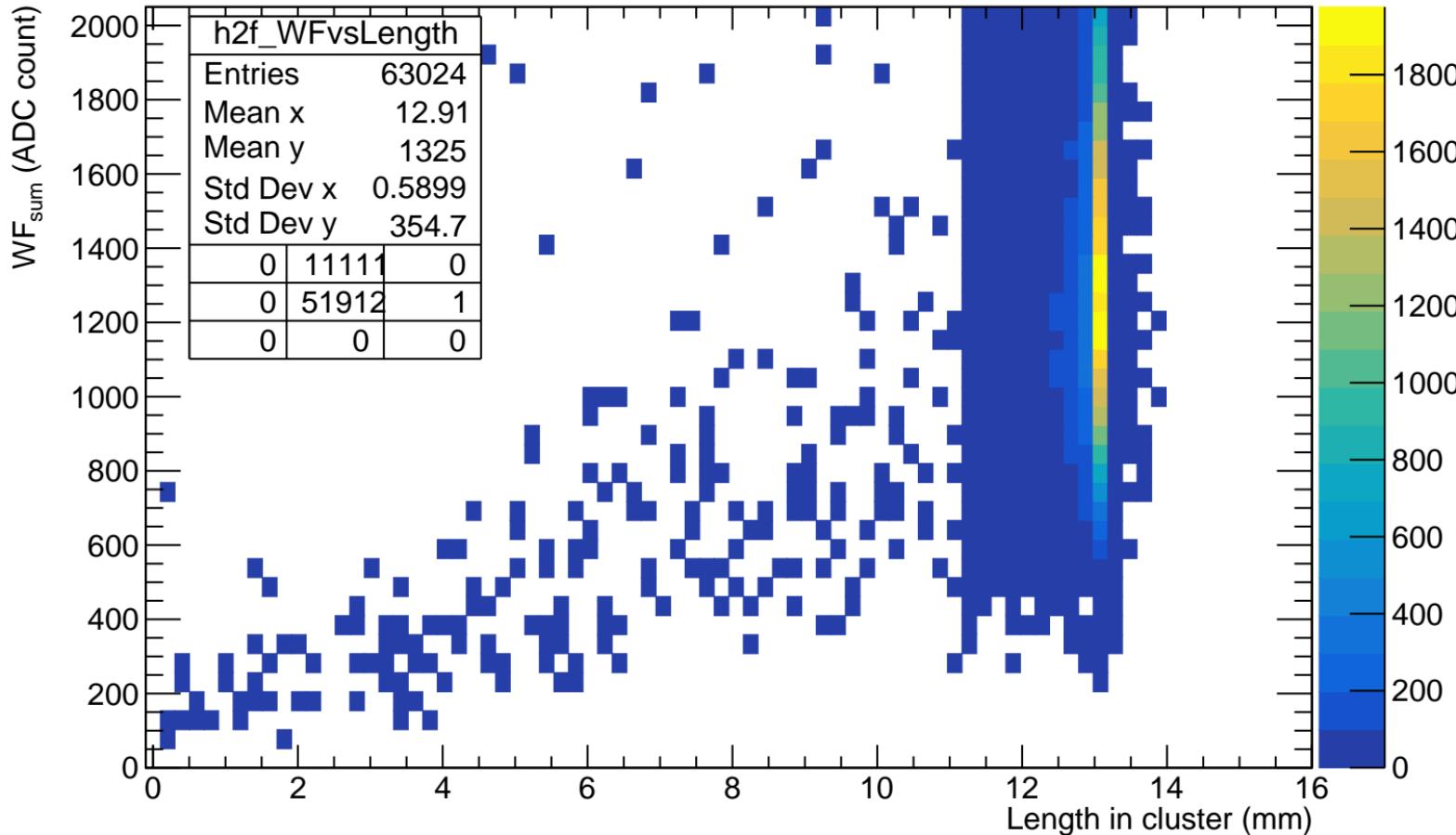
$Q^{\text{anode}}/\text{ADC}_{\max}$



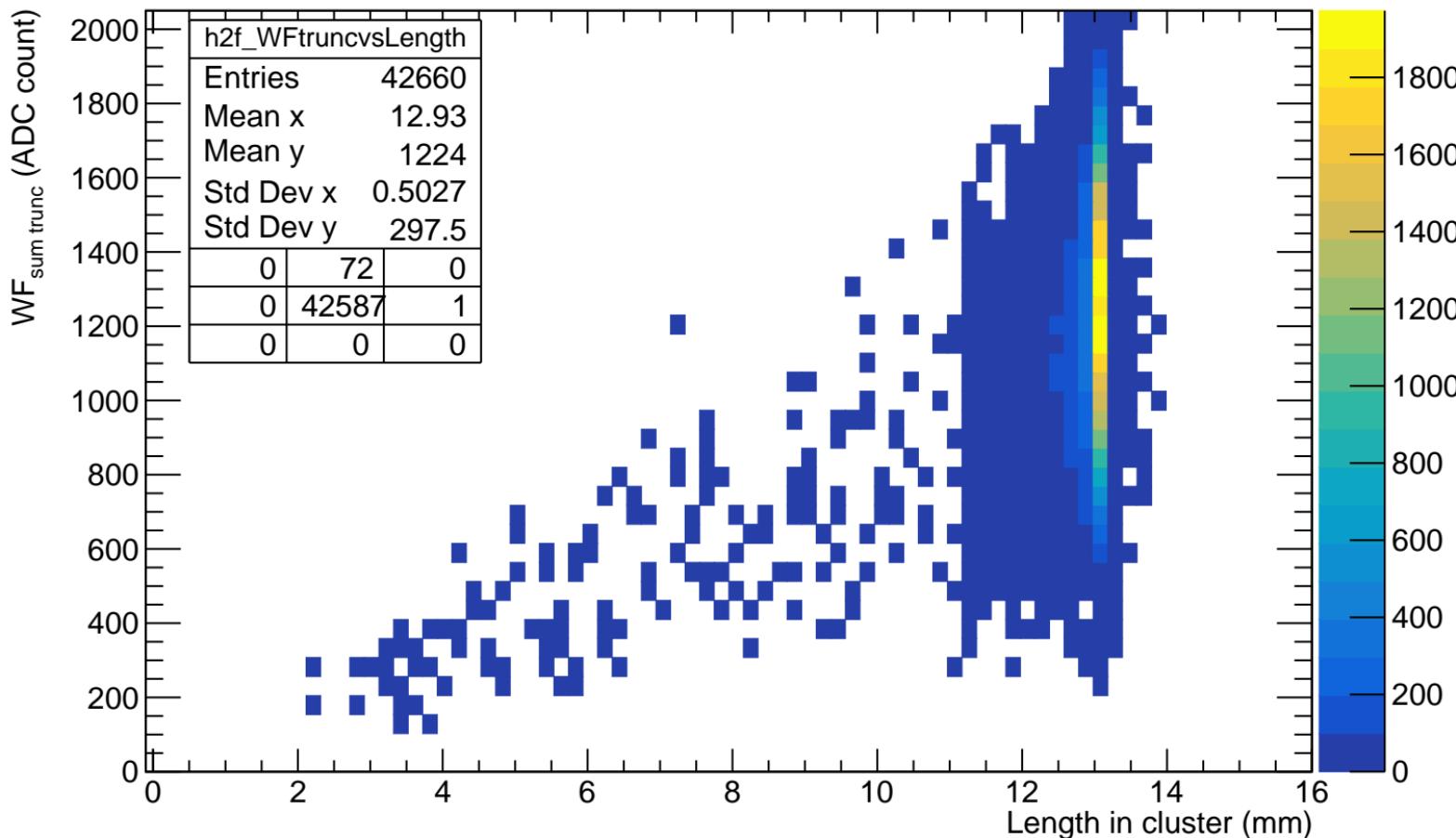
Q_{cluster} VS length in cluster



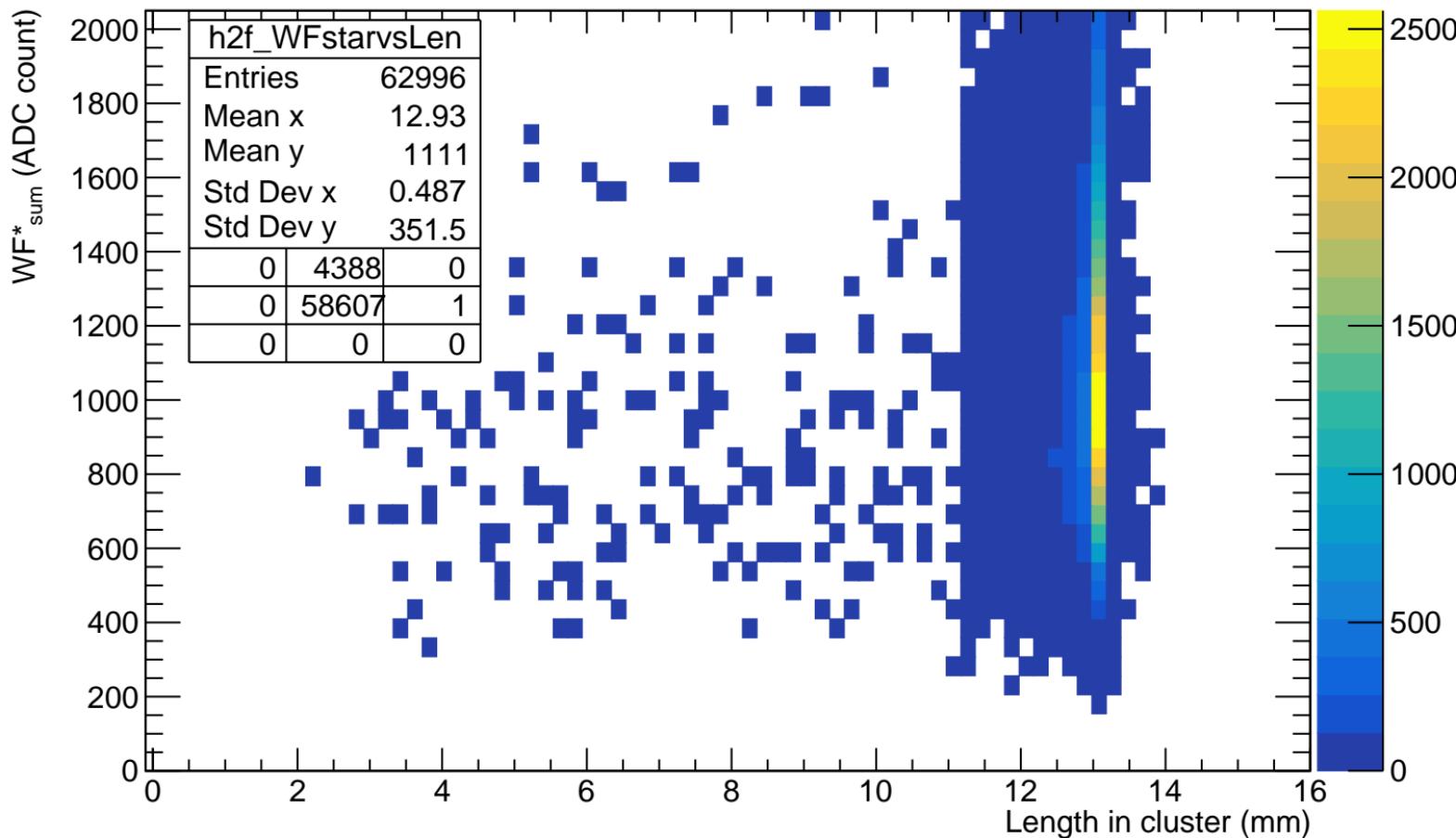
WF_{sum} VS length in cluster



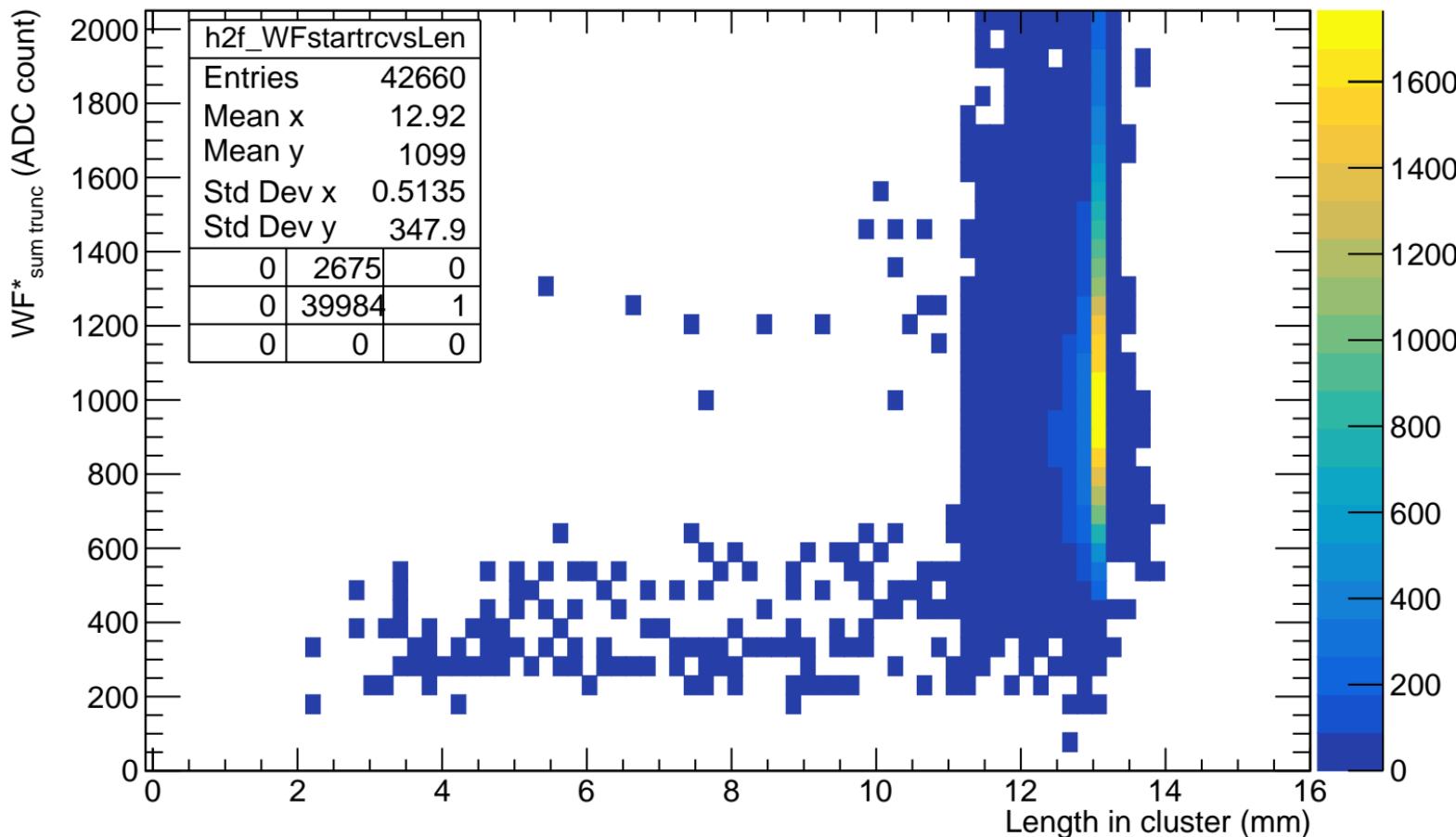
WF_{sum} truncated VS length in cluster

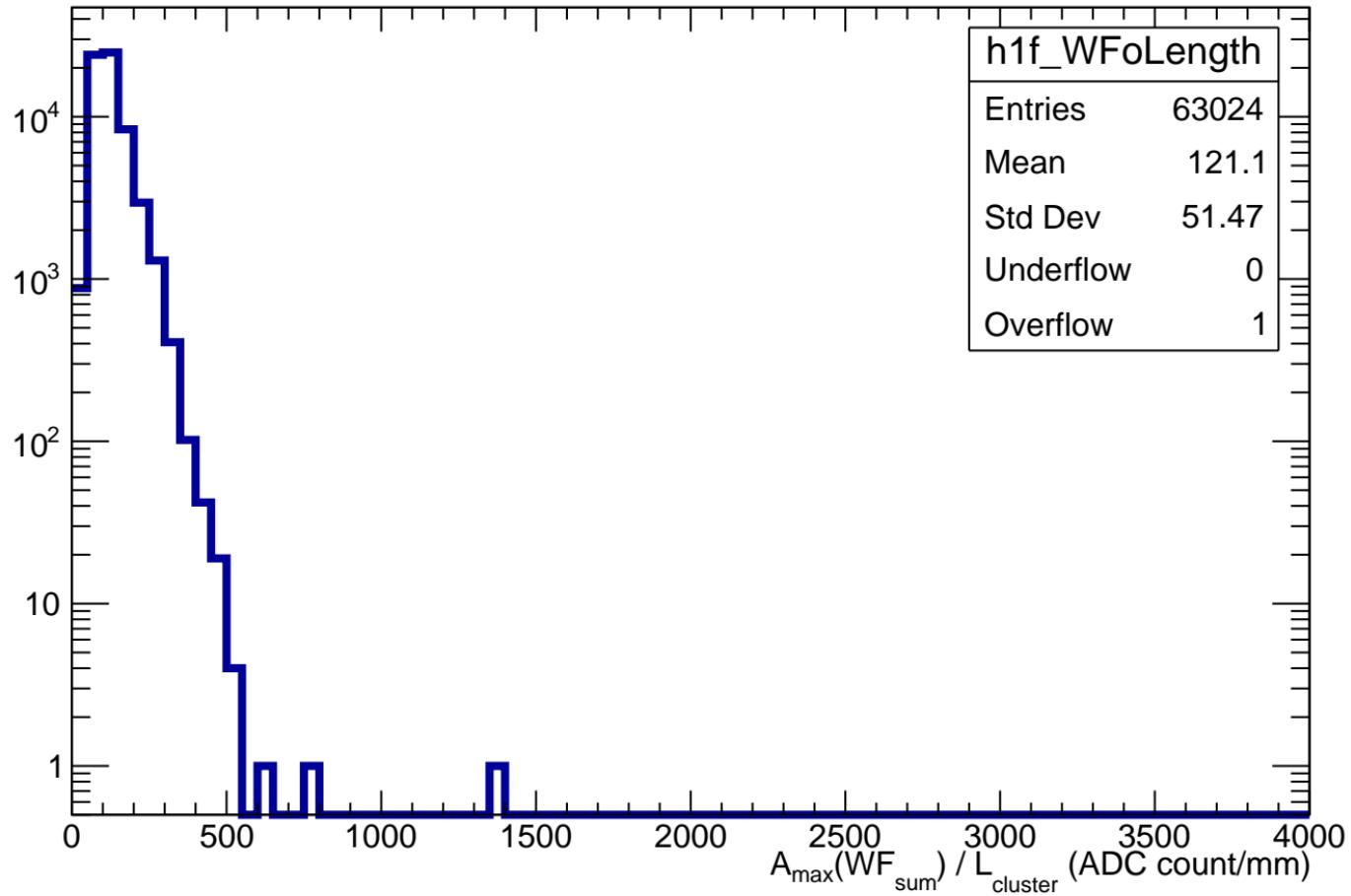


WF^{*}_{sum} VS length in cluster



WF*_{sum truncated} VS length in cluster



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

impact parameter d vs length in pad

