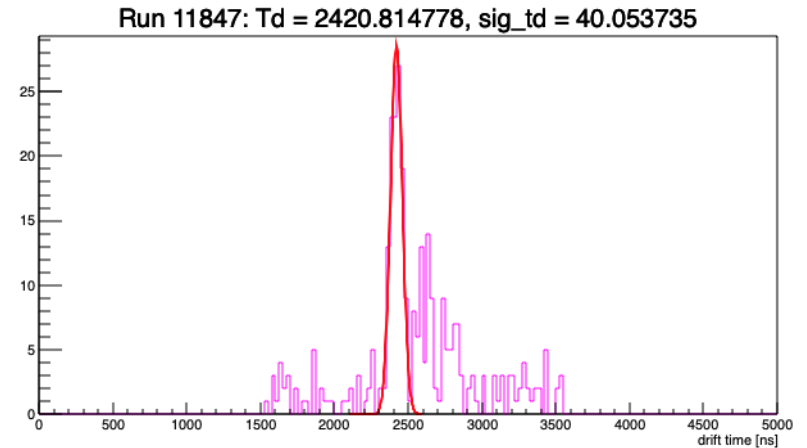
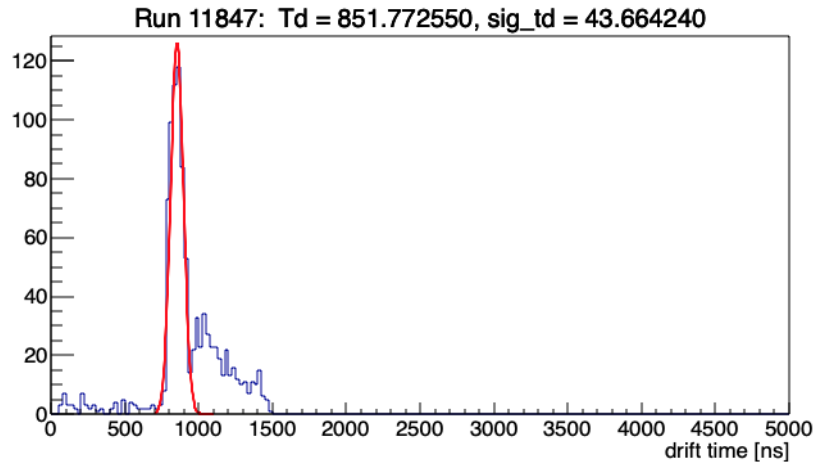


Actual Run 11847:

V_anode = +2115V, T=22.2416C, P=765.9918torr

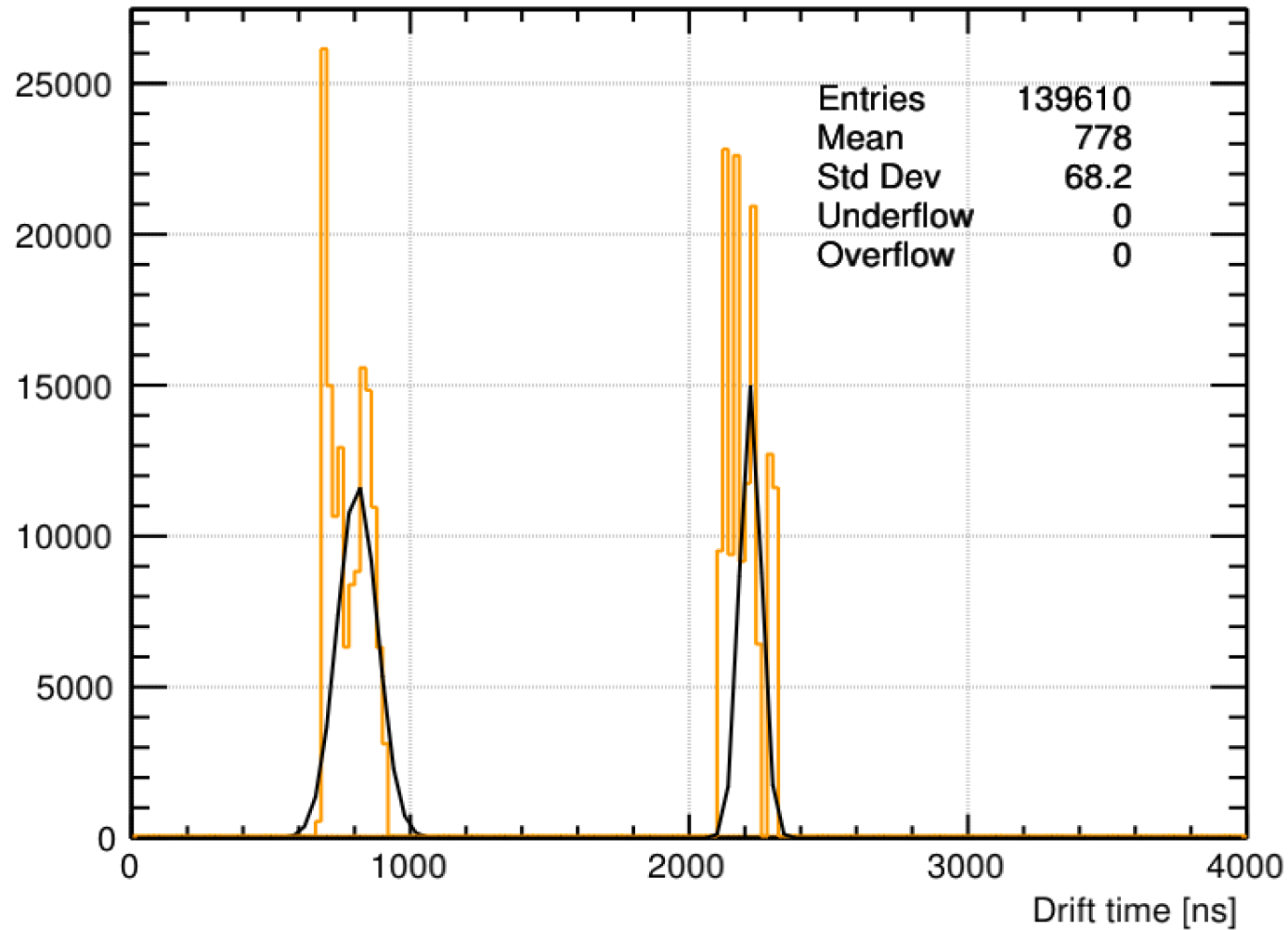


$$t_{\text{CH1}} = 851.77 \text{ ns} \pm 21.832 \text{ ns}$$

$$t_{\text{CH2}} = 2420.815 \text{ ns} \pm 20.027 \text{ ns}$$

Simulated Run 11847:

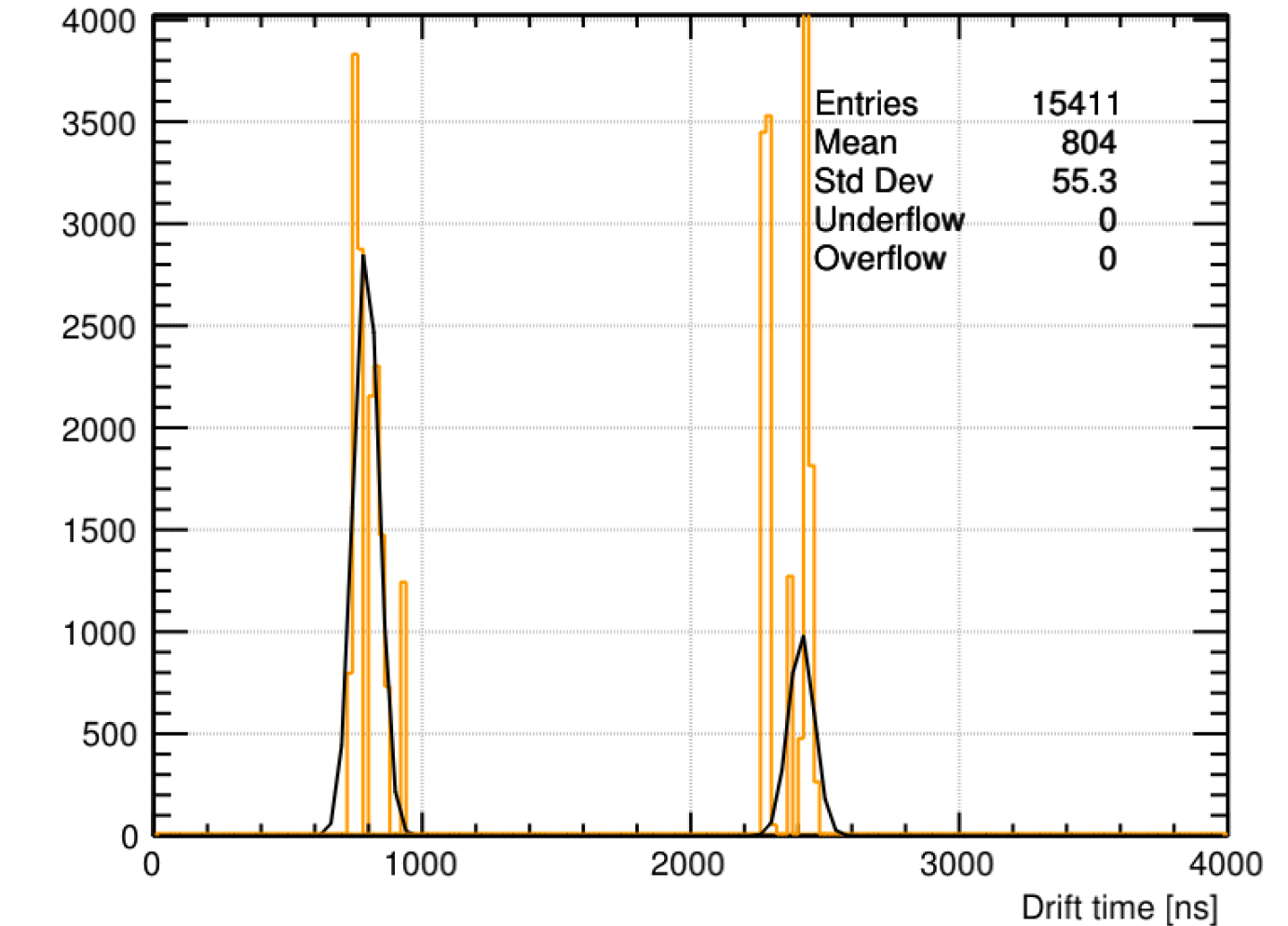
V_anode = +2115V, T=22.2416C, P=765.9918torr



$$t_{\text{CH1}} = 809.639 \text{ ns} \pm 36.0733 \text{ ns}$$

$$t_{\text{CH2}} = 2220.25 \text{ ns} \pm 19.26775 \text{ ns}$$

Run 11847: Change He:CO2 to 75:25



$$t_{\text{CH1}} = 804.004 \text{ ns} \pm 12.1426 \text{ ns}$$

$$t_{\text{CH2}} = 2411.82 \text{ ns} \pm 17.4301 \text{ ns}$$