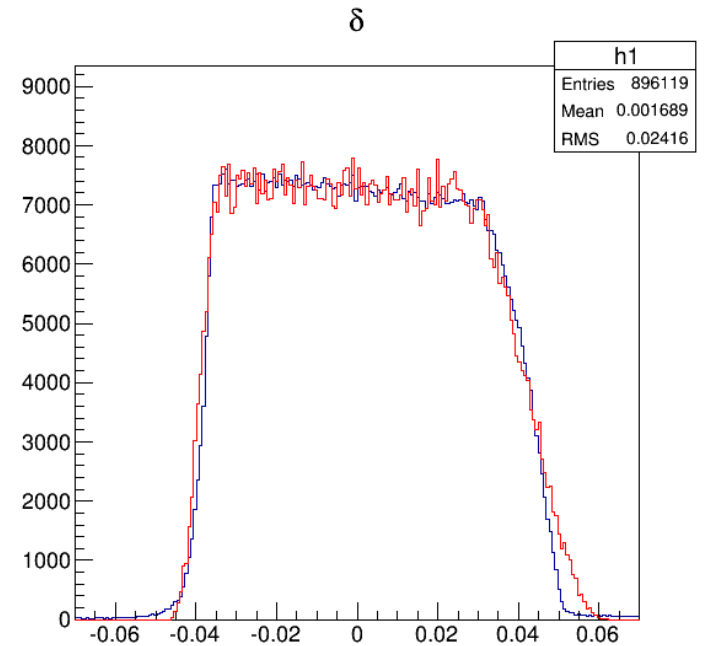
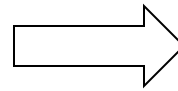
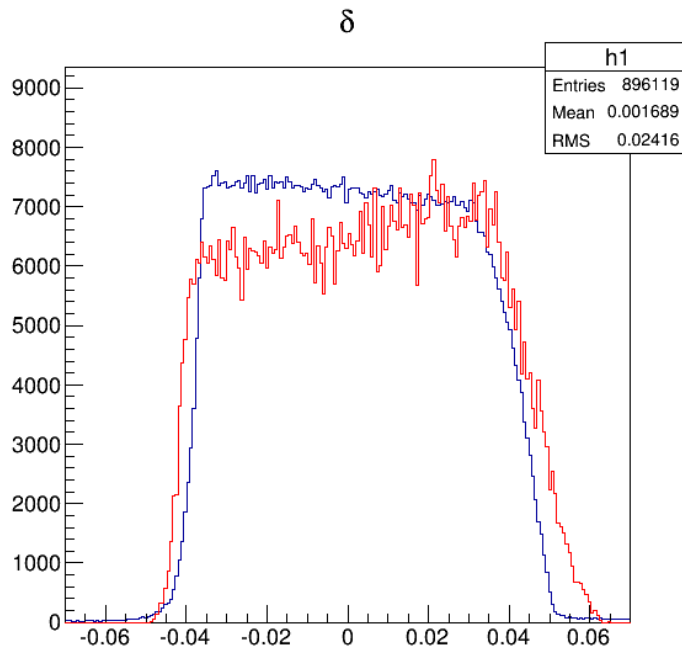


Acceptance Spectrum

Min Huang

9/23/2015

Dilution Run

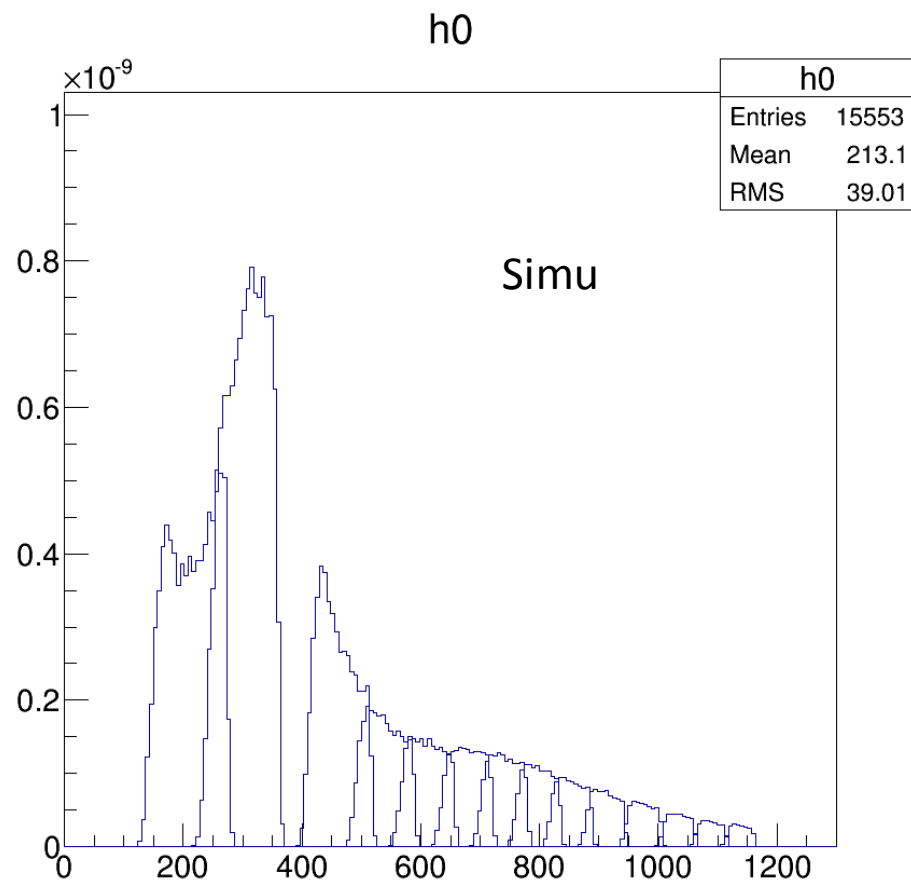
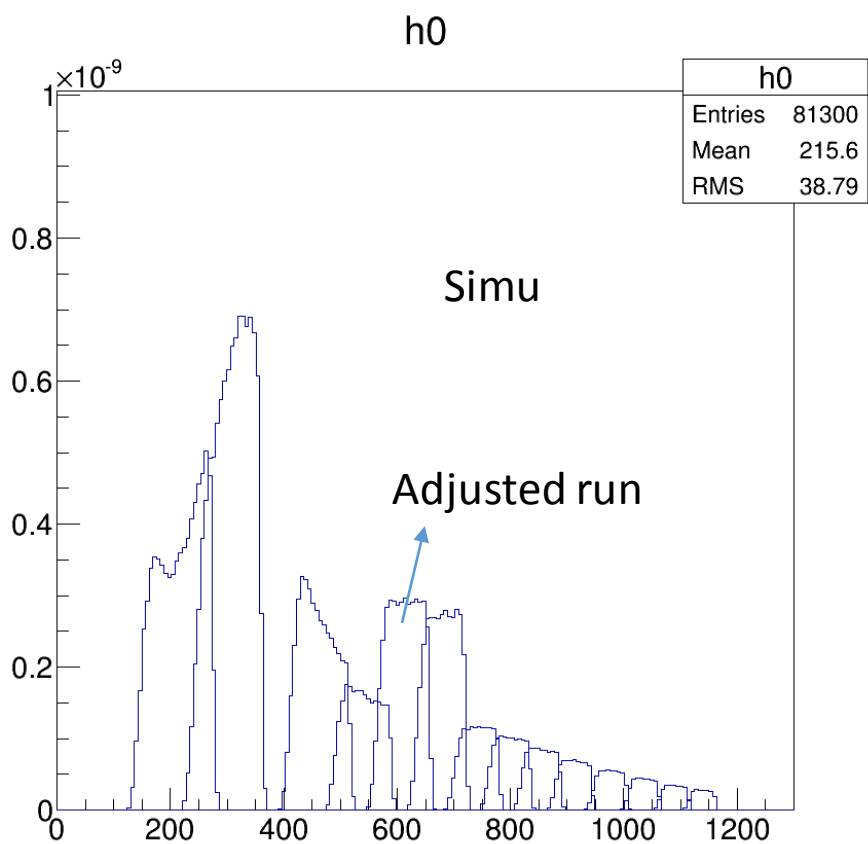


1.7 GeV, 2.5T Trans

Last time: aperture adjustments

Checked other dp settings, and it seems that it doesn't work for other settings

Aperture shifted

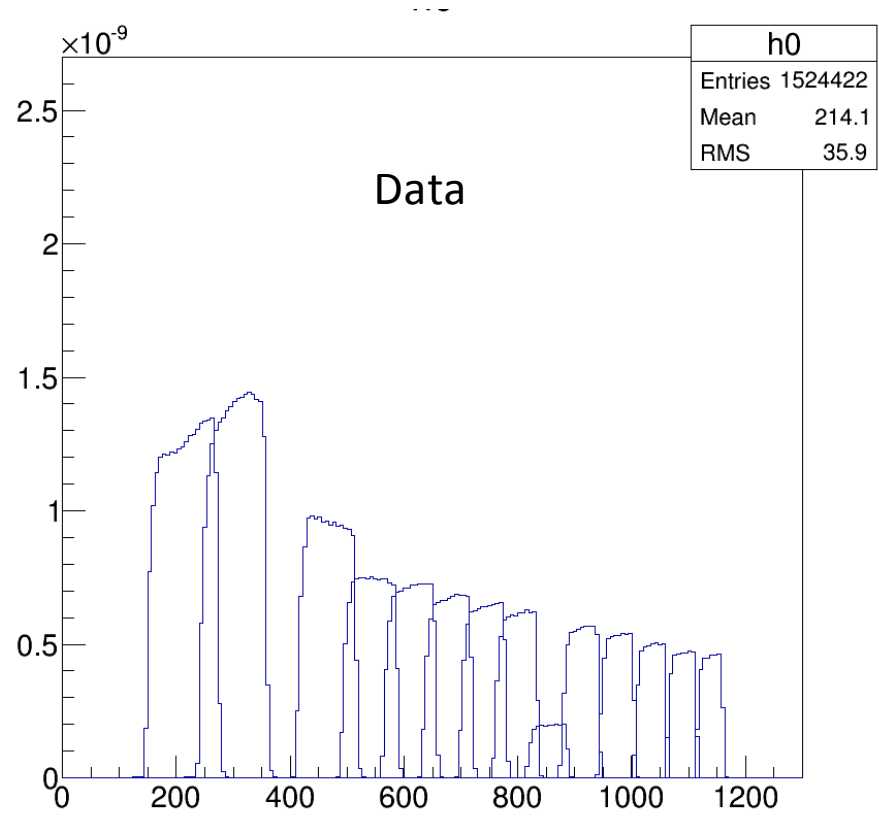
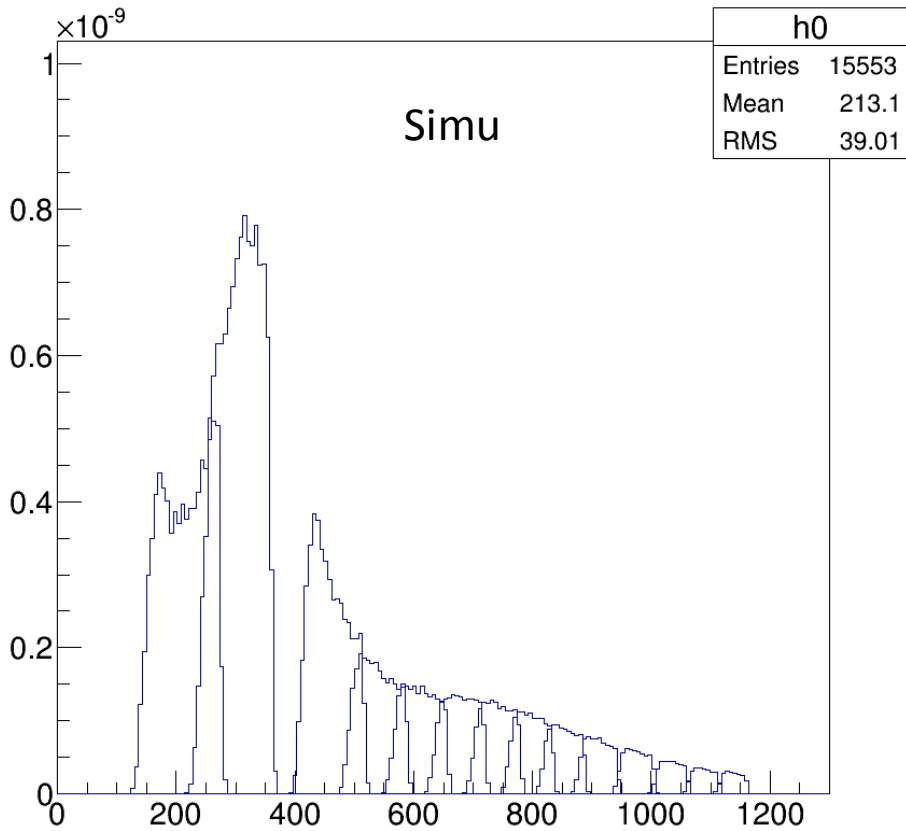


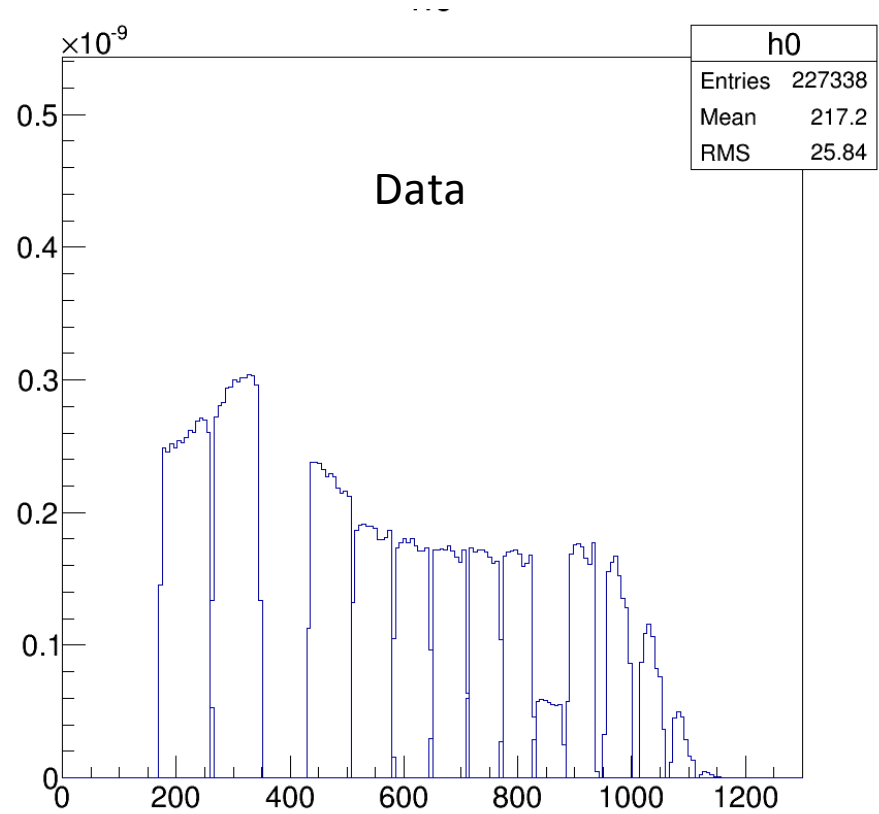
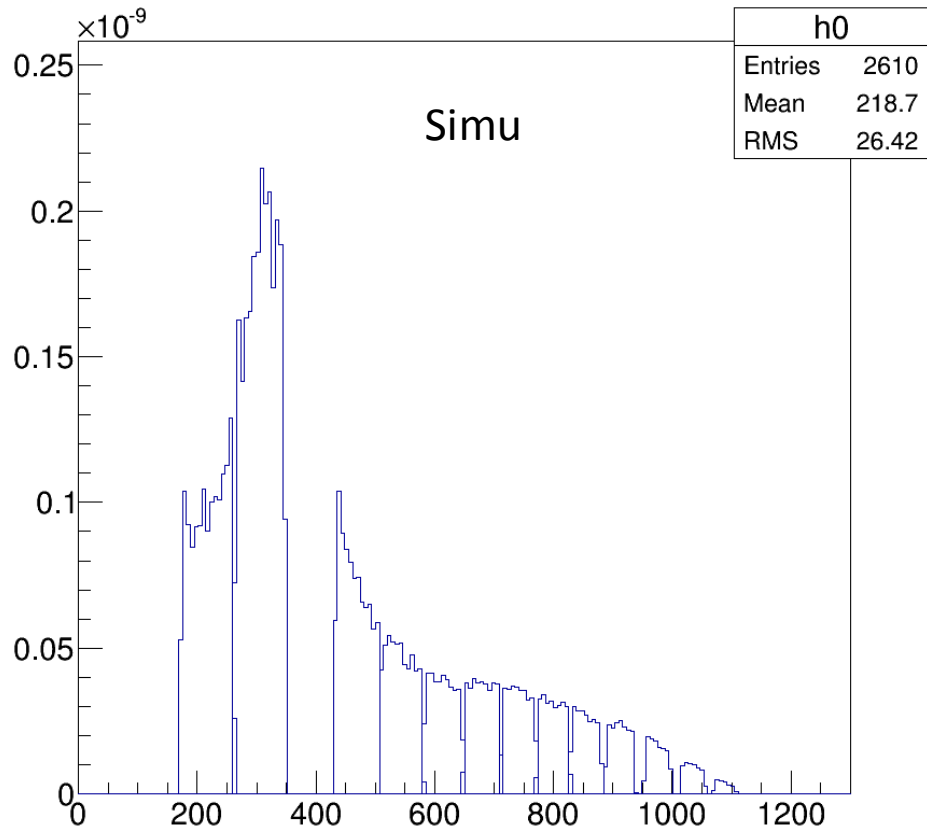
Acceptance

- Compare yield of data and simulation

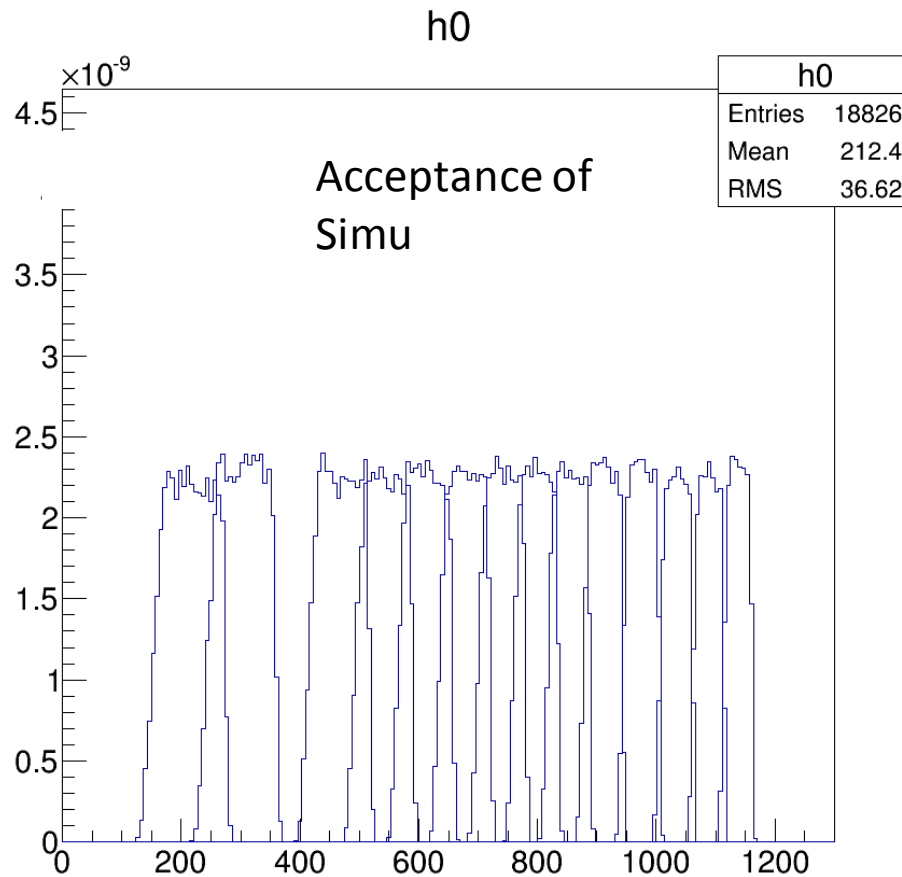
- $Y_{data} = \frac{N \cdot ps}{Q \cdot \epsilon_{det} \cdot LT}$

- $Y_{simu} = N_{tg} \sum_{event} \sigma_{model}^{rad} C_{det} \frac{(\Delta E' \Delta \Omega)^{gen}}{N_{gen}}$





$\theta \in (-0.12, -0.08)\text{rad}$, $\phi \in (-0.02, 0.02)\text{rad}$, $\text{abs}(\delta) < 0.03$



Does it suggest the xs model deviates from data?

Next

Will update results when optics corrections are done

Any suggestions?