

13000 GeV pp

 $t\bar{t}$ CMS, 13 TeV, $\{t\}\{\bar{t}\}$ e/ μ +{jets}: $80 < p_T(\{t\}_h) < 160$ GeV

- CMS
- ▲ Pythia 8.315 default
- - * Pythia 8.315 tune-4c
- ... □ Pythia 8.315 tune-4cx

$$\frac{1}{\sigma_{\text{nom}}} \frac{d\sigma}{dy(\{t\}_h)} \frac{d\sigma}{dp_T(\{t\}_h)}$$

$$\frac{1}{\sigma_{\text{nom}}} \frac{d\sigma}{dy(\{t\}_h)} \frac{d\sigma}{dp_T(\{t\}_h)}$$

(CMS_2021_l1901295)

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

0.5

2

3

2

3

0.5

 $|y(\{t\}_h)|$ 