

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

$$\frac{1}{\sigma_{\text{nom}}} \frac{d\sigma}{dy(t_h)} \frac{d^2\sigma}{dp_T(t_h) dy(t_h)}$$

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(CMS_2021_I1901295)

Ratio to CMS

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

 $|y(t_h)|$