

13000 GeV pp

 $t\bar{t}$ CMS, 13 TeV, $t\bar{t}$ e/ μ +jets: $250 < m(t\bar{t}) < 700$ GeV

- CMS
- ▲ Pythia 8.315 default
- -▼ Pythia 8.315 tune-AU2
- · ·◇ Pythia 8.315 tune-AU2lox
- · ·□ Pythia 8.315 tune-AU2loxx
- · ·★ Pythia 8.315 tune-AU2m

 $\frac{1}{\sigma_{\text{norm}}} \frac{d\sigma}{d\Delta|y_{t\bar{t}}|} \frac{1}{dm(t\bar{t})} \left[\frac{d\sigma}{d\Delta|y_{t\bar{t}}|} \right] \left[\frac{d\sigma}{dm(t\bar{t})} \right]^{-1}$ 10^{-4} 10^{-5}

(CMS_2021_I1901295)

Ratio to CMS

2

1

0.5

-2

0

2

 $\Delta|y_{t\bar{t}}|$

mcplots.cern.ch [arXiv:1306.3436]

Rivet 4.1.0, ≥ 100 k events