

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-2c
- -○ Pythia 8.315 tune-2m

 $\frac{d\sigma}{d\Delta|y_{t\bar{t}}|} \frac{1}{\sigma_{t\bar{t}}} \text{ [pb GeV}^{-1}\text{]}$ 10^{-1} 10^{-2} 10^{-3}

(CMS_2021_I1901295)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

2

1

0.5

2

1

0.5

-2

0

2

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