

13000 GeV pp

 $t\bar{t}$ CMS, 13 TeV,  $t\bar{t}$   $e/\mu$  + jets:  $250 < m(t\bar{t}) < 420$  GeV

■ CMS

—▲ Pythia 8.235 default

$$\frac{1}{\sigma_{\text{nom}}} \frac{d^2\sigma(t\bar{t})}{dm(t\bar{t}) d|y(t\bar{t})|} [\text{GeV}^{-1}]$$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2021\_I1901295)

Ratio to CMS

2

1

0.5

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