

13000 GeV pp

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

■ CMS

— Pythia 8.315 qcdcr2

$$\frac{1}{\sigma_{\text{no.}} \#} \frac{d^2 \sigma(\{t\}\{\bar{t}\})}{dm(\{t\}\{\bar{t}\}) d|y(\{t\}\{\bar{t}\})|} [\text{GeV}^{-1}]$$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2021\_I1901295)

Ratio to CMS

2

1

0.5

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

0

1

2