

13000 GeV pp

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

- CMS
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- -■ Pythia 6.428 default
- ...☆ Pythia 6.428 pro-q2o

 $\frac{1}{\sigma_{\text{norm}}} \frac{\#}{\#} \frac{d\sigma}{d\Delta|y_{\{t\}}|} \frac{1}{dm(\{t\}\{\bar{t}\})} [\text{GeV}^{-1}]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2021_I1901295)

Ratio to CMS

2

1

0.5

-2

0

2

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