

13000 GeV pp

 $t\bar{t}$ CMS, 13 TeV, $\{t\bar{t}\}$ e/ μ +{jets}: $1000 < m(\{t\bar{t}\}) < 3500$ GeV

- CMS
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- -■ Pythia 6.428 default
- ▲ Pythia 8.186 default

 $\frac{1}{\sigma_{\text{norm}}} \frac{\#}{\text{d}\Delta|y_{\{t\bar{t}\}}|} \frac{\text{d}\sigma}{\text{d}\Delta|y_{\{t\bar{t}\}}|} [\text{GeV}^{-1}]$ 10^{-5} 10^{-6} 10^{-7}

(CMS_2021_I1901295)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

2

2

1

1

0.5

0.5

-2

0

2

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