

13000 GeV pp

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

- CMS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - . - . ■ - - Pythia 6.428 default
- ▲— Pythia 8.165 default

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

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2021\_I1901295)

Ratio to CMS

2

1

0.5

-2

0

2

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