

13000 GeV pp

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

■ CMS

—▲ Pythia 8.315 default

 $\frac{1}{\sigma_{\text{norm}}} \frac{d^2\sigma(t\bar{t})}{dm(\{t\}) d\cos(\theta_{t\bar{t}}^*)} [\text{GeV}^{-1}]$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2021_I1901295)

Ratio to CMS

 $\cos(\theta_{t\bar{t}}^*)$ 