

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [1,2]$

■ ATLAS

—△ Pythia 6.426 ambt1

 $1/\sigma \cdot \# \text{cdot} \cdot \# d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \cdot \# \{\text{TeV}\}^{-1}$ 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

0.5

2

1

2

1

0.5

 $m^{t\bar{t}} \cdot \# \{\text{TeV}\}$ 