

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [0.5, 1]$ $1 / \sigma \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{t\bar{t}} \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:1306.3436]■ ATLAS
—▲ Pythia 8.150 default

(ATLAS_2022_I2077575)

Ratio to ATLAS

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