

13000 GeV pp

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

■ ATLAS

— Pythia 8.307 pptherm

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

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.5 $m^{t\bar{t}} \# \{\text{TeV}\}$ Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]2
1
0.5