

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [1,2]$ $1/\sigma \# \# \text{d}\sigma / \text{d}|y^{t,1}| \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]■ ATLAS
— Pythia 8.307 pptherm

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.5 $m^{t\bar{t}} \# \{\text{TeV}\}$ 