

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $|y^{t,1}| \in [0.5, 1]$  $1 / \sigma \# \text{cdot} \# d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \# [\text{TeV}]^{-1}$ 

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

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