

13000 GeV pp

 $t\bar{t}$ Particle-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,  $\geq 100\text{k events}$ 

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2022\_I2077575)

■ ATLAS  
—▲ Pythia 8.315 default  
—▲ Pythia 8.315 default-noCR

Ratio to ATLAS

2

1

0.5

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