

13000 GeV pp

 $t\bar{t}$ Parton-level  $t\bar{t}$  invariant mass,  $|y^{\bar{t}}| \in [0.5, 1]$ 

- ATLAS
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 tune-AU2
- ◇ Pythia 8.315 tune-AU2lox
- Pythia 8.315 tune-AU2loxx
- ★ Pythia 8.315 tune-AU2m

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

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