

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.35, 1] \text{ \# \{TeV\}}$

- ATLAS
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-2c
- Pythia 8.315 tune-2m

 $1 / \sigma \text{ \# \#cdot \# d}^2\sigma / \text{dp}_{\text{T}}^{t\bar{t}} \text{ \# \{TeV\}}^2$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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