

13000 GeV pp

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

■ ATLAS

—▲ Pythia 8.315 default

— Pythia 8.315 tune-A14-CTEQL1

— Pythia 8.315 tune-A14-MSTW2008LO

— Pythia 8.315 tune-A14-NNPDF2.3LO

— Pythia 8.315 tune-CUETP8S1

 $1 / \sigma \# \# \text{cdot} \# d^2\sigma / dp_{\{T\}}^{t\bar{t}} \# \{\text{TeV}\}^{-2}$ 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

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