

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\{T\}}^{t,1} \in [0.75, 2] \# \{\text{TeV}\}$

- ATLAS
- ▲— Pythia 8.315 default
- Pythia 8.315 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.315 tune-CUETP8S1

 $1 / \sigma \# \# \text{cdot} \# \text{d}^2 \sigma / \text{dp}_{\{T\}}^{t,1} \text{dm}_{t\bar{t}} \# \{\text{TeV}\}^2$ 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 $m_{t\bar{t}} \# \{\text{TeV}\}$

1 2 3 4