

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 8.307 eetherm

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $m_{t\bar{t}} \# \{\{\text{TeV}\}\}$ 