

13000 GeV pp

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

■ ATLAS

— Pythia 8.313 CP5

 $1/\sigma \# \# \text{cdot} \# \text{d}^2\sigma / \text{dp}_{\{T\}}^{t,1} \text{dm}_{t\bar{t}} \# \{\text{TeV}\}^2$ 0.3
0.25
0.2
0.15
0.1
0.05
0

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k 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