

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 qcdcr2

 $1 / \sigma \# \# \text{cdot} \# \text{d}^2\sigma / \text{d}p_{\{T\}}^{t\bar{t}} \text{d}m_{t\bar{t}}^2 \# \{\{\text{TeV}\}^2\}$ 1
 10^{-1}
 10^{-2}
 10^{-3} Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

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

1 2 3 4

