

13000 GeV pp

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

- ATLAS
- - ■ Pythia 6.426 default
- - ▲ Pythia 8.315 default

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

1

 10^{-1} 10^{-2} 10^{-3}

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

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

1

2

3

4