

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [0.2, 0.5]$ $1/\sigma \cdot \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{t\bar{t}} \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$

10

1

 10^{-1}

- ATLAS
- △— Pythia 6.428 370
- - ▲ - - Pythia 6.428 371
- - ▼ - - Pythia 6.428 372
- · - Pythia 6.428 376

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $m^{t\bar{t}} \# \{\text{TeV}\}$

1

2

3

4