

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [1,2]$

- ATLAS
- △ Pythia 6.424 ambt1
- Pythia 6.424 z1

 $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# \{\text{fb}\} \# \{\text{TeV}\}^{-1}$ 10^3 10^2

10

1

2

1

0.5

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

(ATLAS_2022_I2077575)

Ratio to ATLAS

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