

13000 GeV pp

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

■ ATLAS

—△ Pythia 6.426 ambt1

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

10

1

Ratio to ATLAS

2

1

0.5

1

2

3

4

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

(ATLAS_2022_I2077575)

