

13000 GeV pp

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

■ ATLAS

—▲ Pythia 8.186 default

 $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \text{ # [fb] # [TeV]}^{-1}$ 10^4 10^3 10^2

10

2

1

0.5

Ratio to ATLAS

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

(ATLAS_2022_I2077575)

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

1

2

3

4