

13000 GeV pp

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

- ATLAS
- Pythia 6.428 391
- + Pythia 6.428 393
- Pythia 6.428 394
- ▼ Pythia 6.428 395

 $1/\sigma \cdot \# \text{cdot} \# d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ 10^1
 10^0
 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Ratio to ATLAS

0.5

1

2

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

0.5

1

2

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

4

3

2

1

0