

13000 GeV pp

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

- ATLAS
- Pythia 6.426 350
- .-●-.- Pythia 6.426 357
- ...●... Pythia 6.426 358
- .-■-.- Pythia 6.426 359

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

(ATLAS_2022_I2077575)

Ratio to ATLAS

 2
 1
 0.5 $m^{t\bar{t}} \# \{\text{TeV}\}$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

 2 1 0.5 4 3 2 1