

13000 GeV pp

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

- ATLAS
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- -■ Pythia 6.428 default
- -★ Pythia 6.428 pro-q2o

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

 $m_{t\bar{t}} \# \{\text{TeV}\}$ 