

13000 GeV pp

 $t\bar{t}$ Particle-level leading top rapidity, $|y^{t,\bar{t}}| \in [0.2, 0.5]$

- ATLAS
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - - Pythia 8.315 tune-CUETP8S1

 $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{t,\bar{t}}| dy^{t,\bar{t}}$

10

1

 10^{-1} Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

1.5

 $|y^{t,\bar{t}}|$ 