

13000 GeV pp

 $t\bar{t}$ Parton-level leading top rapidity, $|\bar{y}| \in [1,2]$

- ATLAS
- - ■ Pythia 6.428 359
- - △ Pythia 6.428 370
- - ▲ Pythia 6.428 a
- - ▼ Pythia 6.428 dw
- - ○ Pythia 6.428 p0
- - ☆ Pythia 6.428 pro-q20

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

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

1.5

2

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