

13000 GeV pp

 $t\bar{t}$ $y(t\bar{t})$ (atlas2022-lh) $1/\sigma \#cdot d\sigma / d|y^{t\bar{t}}|$

10

1

 10^{-1} 10^{-2}

- ATLAS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- - ☆ - - Pythia 6.428 pro-q20

(ATLAS_2022_I2037744)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

0

0.5

1

1.5

2