

13000 GeV pp

 $t\bar{t}$ $y(t\bar{t})$ (ATLAS semileptonic $t\bar{t}$)

- ATLAS
- ▲ Pythia 8.212 default
- -▼ Pythia 8.212 tune-AU2
- ·◇ Pythia 8.212 tune-AU2lox
- ·★ Pythia 8.212 tune-AU2m

 $1/\sigma d^2\sigma / dN^{\text{jets}} d|y^{\text{t}\bar{\text{t}}}|$ 10^{-1} 10^{-2}

ATLAS_2019_I1750330

Rivet 3.1.10, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

1

2

 $|y^{\text{t}\bar{\text{t}}}| N^{\text{jets}} \geq 7$