

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.308 default
- -▼ Pythia 8.308 tune-1
- -● Pythia 8.308 tune-2c
- -○ Pythia 8.308 tune-2m

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

1

 10^{-1} 10^{-2} Rivet 3.1.10, $\geq 2.1\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $|y^{\text{t}\bar{\text{t}}}| N^{\text{jets}} = 4$ 