

13000 GeV pp

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

- ATLAS
- ▲— Pythia 8.308 default
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - △ - - Pythia 8.308 tune-CUETP8S1

 $1 / \sigma d^2 \sigma / d N^{\text{jets}} d m^{\text{t}\bar{\text{t}}}$ [1/GeV]Rivet 3.1.10, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

500

1000

1500

2000

 $m^{\text{t}\bar{\text{t}}}$ [GeV], $N^{\text{jets}} \geq 6$ 