

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [1,2]$

- ATLAS
- ▲ Pythia 8.315 default
- -● Pythia 8.315 tune-2c
- -○ Pythia 8.315 tune-2m

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

2

1

0.5

 $d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \# \{\text{fb}\} \# \{\text{TeV}\}^{-1}$

Ratio to ATLAS

 $m^{t\bar{t}} \# \{\text{TeV}\}$ 