

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [0.5, 1]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

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

Ratio to ATLAS

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

■ ATLAS

—△ Pythia 6.428 370

- -○ Pythia 6.428 atlas-csc

- -* Pythia 6.428 d6t

- -□ Pythia 6.428 default

- -▽ Pythia 6.428 dw

—○ Pythia 6.428 p0

(ATLAS_2022_I2077575)

