

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y| \in [0.2, 0.5]$ $1/\sigma \# \text{cdot} \# d^2\sigma / d|y| dm_{t\bar{t}} \# [\text{TeV}]^{-1}$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

■ ATLAS
—▲ Pythia 8.201 default

Ratio to ATLAS

2

1

0.5

 $m_{t\bar{t}} \# [\text{TeV}]$ 