

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{\bar{t}}| \in [0, 0.2]$ $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{\bar{t}}| dm^{\bar{t}} \# \{\text{TeV}\}^{-1}$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

- ATLAS
- △— Pythia 6.425 ambt1
- Pythia 6.425 z2

Ratio to ATLAS

2

1

0.5

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