

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, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ◆ Sherpa 2.2.4 default

Ratio to ATLAS

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