

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [0.2, 0.5]$ $1/\sigma \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{t\bar{t}} \# \text{d}m^{t\bar{t}} \# [\text{TeV}^{-1}]$ Rivet 4.1.0, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

- ATLAS
- ▲ Pythia 8.315 default
- ◆ Sherpa 2.2.4 default

Ratio to ATLAS

2

1

0.5

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