

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [1,2]$

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 2.2.4 default

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

2

1

0.5

 $m^{t\bar{t}} \# [\text{TeV}]$ $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# [\text{fb}] \# \{\text{TeV}\}^{-1}$

Ratio to ATLAS

