

13000 GeV pp

 $t\bar{t}$ $y(t\bar{t})$ (atlas2022-lh) $1/\sigma \# \text{cdot } d\sigma / d|y^{t\bar{t}}|$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

- ATLAS
- Herwig 7.2.1 default
- △--- Pythia 6.428 370
- ▲--- Pythia 8.315 default
- ◆--- Sherpa 2.2.4 default

(ATLAS_2022_I2037744)

Ratio to ATLAS

2

1

0.5

 $|y^{t\bar{t}}|$ 