

13000 GeV pp

 $t\bar{t}$ Parton-level leading top rapidity,  $|y^{t,\bar{t}}| \in [0.5, 1]$ 

- ATLAS
- - □ Herwig 7.2.1 default
- ... ♦ Sherpa 2.2.4 default

 $1 / \sigma \cdot \# \text{cdot} \# \frac{d^2 \sigma}{d|y^{t,\bar{t}}| dy^{t,\bar{t}}}$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

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

0

0.5

1

1.5

2