

13000 GeV pp

 $t\bar{t}$ Parton-level leading top transverse momentum, $|\vec{y}| \in [1, 2]$

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.315 default
- ...◆ Sherpa 2.2.4 default

 $1/\sigma \# \# \text{cdot} \# d^2\sigma / d|\vec{y}|^2 dp_{\text{T}}^{t,1} \# [\text{TeV}]^{-1}$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $p_{\text{T}}^{t,1} \# [\text{TeV}]$ 