

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ azimuthal opening angle

- ATLAS
- Herwig 7.0.0 default
- ▲ Pythia 8.315 default
- ...◆ Sherpa 2.2.4 default

 $1 / \sigma \# \# \text{cdot} \# d\sigma / d\Delta\phi(t_1, t_2)$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $\Delta\phi(t_1, t_2)$ 