

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t} \cos\{\theta_{t\bar{t}}^{\text{ast}}\}$

■ ATLAS

— Pythia 8.307 pptherm

 $d\sigma / d|\cos\{\theta_{t\bar{t}}^{\text{ast}}\}| \text{ \# [fb]}$ 10^4 10^3 10^2

2

1

0.5

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

(ATLAS_2022_I2077575)

Ratio to ATLAS

 $|\cos\{\theta_{t\bar{t}}^{\text{ast}}\}|$ 