

13000 GeV pp

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

■ ATLAS

— Pythia 8.315 qcdcr2

 $1/\sigma \cdot d\sigma/d|\cos\{\theta_{t\bar{t}}^{\text{ast}}\}|$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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