

13000 GeV pp

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

■ ATLAS

— Pythia 8.315 ropes

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

0

0.5

1

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