

13000 GeV pp

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

■ ATLAS

— Pythia 8.315 ropes

 $1 / \sigma \# \text{cdot} \# d\sigma / d\Delta\phi(t_1, t_2)$ Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

 $\Delta\phi(t_1, t_2)$ 