

13000 GeV pp

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

■ ATLAS

— Pythia 8.315 qcdcr0qq1

 $1 / \sigma \# \# \text{cdot} \# d\sigma / d\Delta\phi(t_1, t_2)$ 10^2
 10
 1
 10^{-1}
 10^{-2}

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 $\Delta\phi(t_1, t_2)$

0

1

2

3