

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.165 default
- ◻ Pythia 8.165 tune-4cx

 $d\sigma / d\Delta\phi(t_1, t_2) \text{ \# [fb]}$ 10^5 10^4 10^3 10^2 Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $\Delta\phi(t_1, t_2)$

0

1

2

3