

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(t\bar{t})$ (ATLAS semileptonic $t\bar{t}$)

- ATLAS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 tune-AU2
- ◇ Pythia 8.308 tune-AU2lox
- Pythia 8.308 tune-AU2lox
- ★ Pythia 8.308 tune-AU2m

 $1/\sigma \, d^2\sigma / dN^{\text{jets}} d|\Delta\phi(t,\bar{t})| \, [1/\text{rad}]$ Rivet 3.1.10, $\geq 2.1\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

Ratio to ATLAS

0.5

0.5

2

2

0

1

2

3

 $|\Delta\phi(t,\bar{t})| \, [\text{rad}], N^{\text{jets}} \geq 7$