

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(\text{lepton}, \text{jet})$ (ATLAS for leptoquark search)

- ATLAS
- ▲ Pythia 8.308 default
- - * Pythia 8.308 tune-4c
- - □ Pythia 8.308 tune-4cx

Rivet 3.1.10, $\geq 1.9\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1718132

 $d\sigma/d\min \Delta\phi(j_1, l)$ [pb/rad]

Ratio to ATLAS

 $\min \Delta\phi(j_1, l)$ [rad]