

13000 GeV pp

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

- ATLAS
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.308 default

Rivet 3.1.10, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_11718562

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

Ratio to ATLAS

2

1

0.5

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