

13000 GeV pp

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

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.308 default
- ▼- Pythia 8.308 vincia-default
- ◆- Sherpa 1.4.3 default

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_1171832

Ratio to ATLAS

2

1

0.5

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