

13000 GeV pp

 $t\bar{t}$

Dijet mass (ATLAS for leptoquark search)

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.240 default
- ...◆ Sherpa 2.2.5 default

 10^{-3} 10^{-4} 10^{-5}

(ATLAS_2019_I1718132)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0 1000 2000 3000 4000