

13000 GeV pp

 $t\bar{t}$

Dijet mass (ATLAS for leptoquark search)

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.308 default
- ...◆ Sherpa 2.2.2 default

 $d\sigma/dm_{jj}$ [pb/rad] 10^{-2} 10^{-3} 10^{-4} 10^{-5}

ATLAS_2019_I1718132

Rivet 3.1.10, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 m_{jj} [GeV]

0

1000

2000

3000

4000