

13000 GeV pp

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

0.25

0.2

0.15

0.1

0.05

0



ATLAS



Herwig 7.2.1 default



Pythia 8.315 default



Sherpa 2.2.5 default

0

1

2

Ratio to ATLAS

0

1

2

3

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

(ATLAS_2019_11718132)

