

13000 GeV pp

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

- ATLAS
- Herwig 7.2.1 default
- ...♦ Sherpa 2.2.2 default

 $d\sigma/d\min \Delta\phi(j_1, l)$ [pb/rad]2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

ATLAS_2019_I1718132

Rivet 3.1.10, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2
1
0.52
1
0.5 $\min \Delta\phi(j_1, l)$ [rad]