

13000 GeV pp

 $t\bar{t}$  $\Delta\phi(\text{lepton}, \text{jet})$  (ATLAS for leptoquark search) $10^{-1}$  $10^{-2}$ 

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.315 default

(ATLAS\_2019\_I1718132)

Rivet 4.1.0,  $\geq 1.5\text{M events}$ 

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

1

2

3