

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(\text{lepton}, \text{jet})$ (ATLAS for leptoquark search) $d\sigma/d\min \Delta\phi(j_1, l)$ [pb/rad]

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.176 default

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_11718132

Ratio to ATLAS

2

1

0.5

 $\min \Delta\phi(j_1, l)$ [rad]