

13000 GeV pp

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

$d\sigma/d\min \Delta\phi(j_0, l)$ [pb/rad]

■ ATLAS
—▲ Pythia 8.176 default
—▲ Pythia 8.176 default-noCR

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1718132

Ratio to ATLAS

3

2

1

0.5

2

1

0.5

 $\min \Delta\phi(j_0, l)$ [rad]