

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 8.186 default
—▲ Pythia 8.186 default-noFsr
—▲ Pythia 8.186 default-noRap

0.5

0.4

0.3

0.2

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1718132

Ratio to ATLAS

2

1

1

1

1

1

1

1

2

1

1

1

1

1

1

1

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