

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 6.428 370
- - ■ Pythia 6.428 default
- ▲ Pythia 8.180 default

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

0.5
0.4
0.3
0.2
0.1
0

2
1
0.5

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