

13000 GeV pp

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

■ ATLAS  
—▲ Pythia 8.170 default

 $d\sigma/d\min \Delta\phi(j_1, l)$  [pb/rad]2  
1.8  
1.6  
1.4  
1.2  
1  
0.8  
0.6  
0.4  
0.2  
0Rivet 3.1.10, 400k events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1718132

Ratio to ATLAS

2  
1  
0.52  
1  
0.5 $\min \Delta\phi(j_1, l)$  [rad]