

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 ambt1
- Pythia 6.428 z1
- Pythia 6.428 z2

Rivet 3.1.10, $\geq 1.8\text{M}$ 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]