

13000 GeV pp

Z+Jet

 $\langle p_T \rangle$ (ATLAS UE in Z production)

10

1

 10^{-1} 10^{-2}

- ATLAS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.315 default

(ATLAS_2019_I1736531)

Rivet 4.1.0, ≥ 2 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1

2

3