

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.176 default

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 1.4
1.2
1
0.8
0.6
0.4
0.2
0

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2
1
0.52
1
0.5 $p_T [\text{GeV}]$ 