

13000 GeV pp

Z+Jet

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

- ATLAS
- - □ Herwig 7.0.4 default
- - ▲ Pythia 8.308 default
- - ◆ Sherpa 1.2.3 default

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$

2.5

2

1.5

1

0.5

0

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

1

2

3

 $p_T [\text{GeV}]$ Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5