

13000 GeV pp

Z+Jet

 $\langle p_T \rangle$ (ATLAS UE in Z production) $1/N_{\text{ch}} dN_{\text{ch}}/dp_T$ [GeV]

- ATLAS
- - □ Herwig 7.2.1 default
- - ◆ Sherpa 1.4.3 default

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_11736531

Ratio to ATLAS

0.5

1

2

0.5

1

2

 p_T [GeV]

3

2

1

