

13000 GeV pp

Z+Jet

&lt;pT&gt; (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T$  [GeV]<sup>-1</sup>

3

2.5

2

1.5

1

0.5

0

Rivet 3.1.10, ≥ 2.4M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019 J1736531

Ratio to ATLAS

2

1

0.5

2

1

0.5

Mean  $p_T/d\eta d\phi$ 

1

2

3