

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.308 default
- · · · ◆ Sherpa 1.3.0 default

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 p_T [GeV]

3

2

1

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

1.8

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

-0.2

2

1

0.5