

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.209 default
- - ◆ Sherpa 2.2.9 default

4
3
2
1
0

Rivet 3.1.10, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

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

3

2

1