

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.315 default

10  
1  
10<sup>-1</sup>  
10<sup>-2</sup>  
10<sup>-3</sup>

Rivet 4.1.0, ≥ 2.1M events  
mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2019\_I1736531)

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

0 1 2 3 4