

13000 GeV pp

Z+Jet

N<sub>ch</sub> (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default
- - ◆ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.4M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019\_I173653

Ratio to ATLAS

2

1

0.5

N<sub>ch</sub>/dη dφ