

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.308 default

 $1/N_{\text{ev}} dN_{\text{ev}}/dN_{\text{ch}}/d\eta d\phi$

1.4
1.2
1
0.8
0.6
0.4
0.2
0

Rivet 3.1.10, ≥ 2.4M events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_1136531

Ratio to ATLAS

0.5

1

2

0.5

1

2

 $N_{\text{ch}}/d\eta d\phi$

0

1

2

3

4

