

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- - □ 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, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_04.226531

Ratio to ATLAS

2
1
0.5

2
1
0.5

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