

13000 GeV pp

Z+Jet

N_{ch} (ATLAS UE in Z production)

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.170 default
- ...◆ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 500k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS-2019-11736531

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

Ratio to ATLAS

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