

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.170 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d\text{sum } p_T/d\eta d\phi \text{ [GeV]}^{-1}$ 1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

Rivet 3.1.10, ≥ 500k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_06.36531

Ratio to ATLAS

2
1
0.52
1
0.5sum $p_T/d\eta d\phi$ [GeV]