

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.308 default
- ◆···· Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

0.5

1

2

3

4

5

6

sum $p_T/d\eta d\phi$ [GeV]

0.5

1

2

 $1/N_{ev} dN_{ev}/d\sum p_T/d\eta d\phi$ [GeV]⁻¹