

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- △ Herwig++ Powheg 2.7.1 default
- Herwig 7.2.1 default
- ◇ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

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

Ratio to ATLAS

sum  $p_T/d\eta d\phi [\text{GeV}]$ 