

13000 GeV pp

Z (Drell-Yan)

<pT> (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- ... ♦ Sherpa 1.4.5 default

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

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