

13000 GeV pp

Z (Drell-Yan)

 $p_T$  spectrum (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default

 $1/N_{ev} dN_{ev}/d\sum p_T/d\eta d\phi$  [GeV]<sup>-1</sup>

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019\_I1736531

Ratio to ATLAS

2

1

0.5

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