

13000 GeV pp

Z (Drell-Yan)

 $p_T$  spectrum (ATLAS UE in Z production)

10

1

 $10^{-1}$  $10^{-2}$  $10^{-3}$ 

- ATLAS
- - □ - - Herwig 7.2.1 default
- ▲ — Pythia 8.315 default

(ATLAS\_2019\_I1736531)

Rivet 4.1.0,  $\geq 2.3$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

2

4

