

13000 GeV pp

Z (Drell-Yan)

 $\langle p_T \rangle$ vs p_T^Z (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- ... ♦ Sherpa 2.2.9 default

 $\langle \text{mean } p_{T\perp} / d\eta d\phi \rangle$ [GeV]

10

8

6

4

2

0

ATLAS_2019_I1736531

Rivet 3.1.10, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

200

400

 $Z p_T$ [GeV]