

13000 GeV pp

Z (Drell-Yan)

 $\langle p_T \rangle$ vs p_T^Z (ATLAS UE in Z production) $\langle \text{mean } p_{T\perp} / d\eta d\phi \rangle$ [GeV]

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.212 default

5

4

3

2

1

0

ATLAS_2019_I1736531

Ratio to ATLAS

3

2

1

0.5

0

200

400

Z p_T [GeV]Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5