

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

Rivet 3.1.10, 2.9M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

 $Z p_T$ [GeV] $\langle \sum p_{T\perp} / d\eta d\phi \rangle$ [GeV]

10

8

6

4

2

0

2

1

0.5

2

1

0.5

0

200

400