

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▼- Herwig 7.2.1 softTune

5

4

3

2

1

0

0

2

1

0.5

0

200

400

 $Z p_T$ [GeV]Rivet 3.1.10, ≥ 2.8 M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

ATLAS_2019_I1736531

Ratio to ATLAS

 $\langle \sum p_{T,i} / d\eta d\phi \rangle$ [GeV]