

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▼ Herwig 7.2.1 softTune
- ▲ Pythia 8.308 default

Rivet 3.1.10, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $Z p_T$ [GeV] $\langle \sum p_T / d\eta d\phi \rangle$ [GeV]4.5
4
3.5
3
2.5
2
1.5
1
0.5
02
1
0.5

0

200

400