

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

- ATLAS
- Herwig++ 2.7.1 default
- △- Herwig++ Powheg 2.7.1 default
- ▽- Herwig++ Powheg 2.7.1 LHC-UE-EE-4
- Herwig 7.2.1 default

Rivet 3.1.10, $\geq 3.4\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

200

400

 $Z p_T$ [GeV]