

13000 GeV pp

Z (Drell-Yan)

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

10

1

 10^{-1}

■ ATLAS

○ Herwig++ 2.7.1 default

□ Herwig 7.2.1 default

▲ Pythia 8.315 default

▼ Pythia 8.315 vincia-default

◆ Sherpa 2.2.9 default

(ATLAS_2019_I1736531)

Rivet 4.1.0, ≥ 1.7 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

200

400

