

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲— Pythia 8.315 default
- - ▼ - - Pythia 8.315 tune-AU2
- · · ◇ · · Pythia 8.315 tune-AU2lox
- · · □ · · Pythia 8.315 tune-AU2lox
- · · ★ · · Pythia 8.315 tune-AU2m

(ATLAS_2019_I1736531)

Ratio to ATLAS

Rivet 4.1.0, ≥ 2 M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

200

400