

13000 GeV pp

Z (Drell-Yan)

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

■ ATLAS  
▲ Pythia 8.170 default

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

 $\langle \text{mean } p_{T, \text{d}\phi} \rangle$  [GeV]

Ratio to ATLAS

 $Z p_T$  [GeV]