

13000 GeV pp

Z (Drell-Yan)

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

ATLAS

 $\langle \text{mean } p_T / d\eta d\phi \rangle$  [GeV]

Ratio to ATLAS

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2019\_I1736531)

Z  $p_T$  [GeV]