

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]

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1736531)

Ratio to ATLAS

Z p_T [GeV]