

13000 GeV pp

Z (Drell-Yan)

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

ATLAS

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$  $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 

(ATLAS\_2019\_I1736531)

Ratio to ATLAS

mcplots.cern.ch [arXiv:1306.3436]

 $p_T [\text{GeV}]$ 