

13000 GeV pp

Z (Drell-Yan)

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

ATLAS

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ p_T $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 10^{-1} 10^{-2} 10^{-3}

(ATLAS_2019_I1736531)

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $p_T [\text{GeV}]$

3

2

1