

13000 GeV pp

Z (Drell-Yan)

 $\langle \text{sum } p_{T_i} / d\eta d\phi \rangle [\text{GeV}]$ Average $\Sigma(p_T)$ (ATLAS UE in Z production)

■ ATLAS

(ATLAS_2019_I1736531)

Ratio to ATLAS

mcplots.cern.ch [arXiv:1306.3436]

 $Z p_T [\text{GeV}]$ 