

13000 GeV pp

Z (Drell-Yan)

 $\langle \sum p_T / d\eta d\phi \rangle$ [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 [GeV]