

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

■ ATLAS

 $1/N_{\text{ev}} \frac{dN_{\text{ev}}}{dN_{\text{ch}}/d\eta} \frac{d\phi}{d\eta}$

(ATLAS_2019_I1736531)

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

 $N_{\text{ch}}/d\eta d\phi$ 