

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

■ ATLAS

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

10

1

 10^{-1} 10^{-2} 10^{-3}

2

1

0.5

(ATLAS_2019_I1736531)

Ratio to ATLAS

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

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

0

1

2

3

4