

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

■ ATLAS

—▲ Pythia 8.308 default

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

1.2

1

0.8

0.6

0.4

0.2

0

ATLAS\_2019\_I1736531

Ratio to ATLAS

0.5

0

1

2

3

4

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

Rivet 3.1.10, 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5