

13000 GeV pp

Z (Drell-Yan)

 $\langle N_{\text{ch}} \rangle$ vs p_{T}^Z (ATLAS UE in Z production)

■ ATLAS
—▲ Pythia 8.176 default

 $\langle N_{\text{ch}}/d\eta d\phi \rangle$ 6
5
4
3
2
1
0Rivet 3.1.10, 300k events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2
1
0.52
1
0.50 200 400
 $Z p_{\text{T}}$ [GeV]