

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲ Pythia 8.235 default

 $\langle N_{\text{ch}}/d\eta d\phi \rangle$ 5  
4  
3  
2  
1  
0

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

0

Ratio to ATLAS

2  
1  
0.52  
1  
0.5

0

200

400

 $Z p_{\text{T}}$  [GeV]