

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
--□ Herwig 7.2.1 default

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

Rivet 3.1.10, 2.9M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

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