

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▼ Herwig 7.2.1 softTune

Rivet 3.1.10,  $\geq 2.8\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

