

13000 GeV pp

Z (Drell-Yan)

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

10

1

 $10^{-1}$ 

■ ATLAS

△ Herwig++ Powheg 2.7.1 default

◆ Sherpa 2.2.9 default

(ATLAS\_2019\_I1736531)

Rivet 4.1.0,  $\geq 1.7\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

200

400

