

13000 GeV pp

Z (Drell-Yan)

<pT> (ATLAS UE in Z production)

■ ATLAS
—▼ Herwig 7.2.1 softTune

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$

Rivet 3.1.10, 2.8M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_M736531

Ratio to ATLAS

Mean $p_T/d\eta d\phi$ 