

13000 GeV pp

Z (Drell-Yan)

Average $\Sigma(p_T)$ (ATLAS UE in Z production)

■ ATLAS
● Herwig++ Powheg 2.7.1 default

Rivet 3.1.10, 2.7M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

 $Z p_T$ [GeV]