

13000 GeV pp

Z (Drell-Yan)

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

■ ATLAS
--□-- Herwig 7.2.1 default

Rivet 3.1.10, 2.9M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $Z p_T$ [GeV] $\langle \text{sum } p_{T_i} / d\eta d\phi \rangle$ [GeV]