

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default

Rivet 3.1.10, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

 $\langle \text{sum } p_{T, \text{d}\phi} \rangle [\text{GeV}]$

Ratio to ATLAS

 $Z p_T [\text{GeV}]$

0

200

400

2

0.5