

13000 GeV pp

Z (Drell-Yan)

<pT> vs  $p_T^Z$  (ATLAS UE in Z production)<mean  $p_T/d\eta d\phi$ > [GeV]

■ ATLAS

△ Herwig++ Powheg 2.7.1 default

◆ Sherpa 1.4.0 default

ATLAS\_2019\_I1736531

Ratio to ATLAS

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $Z p_T$  [GeV]