

13000 GeV pp

Z (Drell-Yan)

 $\langle p_T \rangle$ vs p_T^Z (ATLAS UE in Z production) $\langle \text{sum } p_{T\perp} d\phi \rangle$ [GeV]

ATLAS

Sherpa 2.2.9 default

ATLAS_2019_I1736531

Ratio to ATLAS

Rivet 3.1.10, 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $Z p_T$ [GeV]