

13000 GeV pp

Z (Drell-Yan)

 $\langle p_T \rangle$ vs p_T^Z (ATLAS UE in Z production)

ATLAS

 $\langle \sum p_{T\perp} / d\eta d\phi \rangle$ [GeV]

Ratio to ATLAS

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1736531)

0

200

400

Z p_T [GeV]

0

200

400

0.5

1

2

3

4

5

0.5

1

2