

13000 GeV pp

Z (Drell-Yan)

 $\langle \sum p_{T\perp} / d\eta d\phi \rangle$ [GeV]Average $\Sigma(p_{T\perp})$ (ATLAS UE in Z production)

■ ATLAS
—▲ Pythia 8.209 default

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

Z $p_{T\perp}$ [GeV]