

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.315 tune-CUETP8S1

1

 10^{-1} 10^{-2}

(ATLAS_2019_I1736531)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, $\geq 1.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

2

4