

13000 GeV pp

Z (Drell-Yan)

Average $\Sigma(p_T)$ (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
- -△- - Pythia 8.315 tune-CUETP8S1

Rivet 4.1.0, ≥ 1.3M events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1736531)

Ratio to ATLAS

0.5

1

2

5

10

15

20

25

30

35

0

200

400

0.5

2

mcplots.cern.ch [arXiv:1306.3436]

Rivet 4.1.0, ≥ 1.3M events