

13000 GeV pp

Z (Drell-Yan)

Transmax region, $40 < p_T^Z < 60$ [GeV], inclusive

- 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

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$

10

1

 10^{-1} 10^{-2} Rivet 4.1.0, $\geq 1.7\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2019_I1736531)

Ratio to ATLAS

2

1

0.5

2

1

0.5

Mean $p_T/d\eta d\phi$

1

2

3