

13000 GeV pp

Z (Drell-Yan)

<pT> (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.183 default
- ◻ Pythia 8.183 tune-4cx

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $N_{\text{ch}}/d\eta d\phi$ $1/N_{\text{ev}} dN_{\text{ev}}/dN_{\text{ch}}/d\eta d\phi$ 2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

1

2

3