

13000 GeV pp

Z (Drell-Yan)

 p_T spectrum (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.170 default
- Pythia 8.170 tune-4cx

 $1/N_{ch} dN_{ch}/dp_T$ [GeV]

2.5

2

1.5

1

0.5

0

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_I1736531

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

2

4

 p_T [GeV]