

13000 GeV pp

Z (Drell-Yan)

 p_T spectrum (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 tune-AU2
- ◇ Pythia 8.308 tune-AU2lox
- Pythia 8.308 tune-AU2loxx
- ★ Pythia 8.308 tune-AU2m

Rivet 3.1.10, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $N_{ch}/d\eta d\phi$ $1/N_{ev} dN_{ev}/dN_{ch}/d\eta d\phi$ 3.5
3
2.5
2
1.5
1
0.5
02
1
0.5

0

2

4