

$\langle p_T \rangle$ vs p_T^Z (ATLAS UE in Z production)

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

Rivet 3.1.10, $\geq 2.6M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

2

1

0.5

 $\langle \text{mean } p_{T/d\eta d\phi} \rangle$ [GeV]

Ratio to ATLAS

 $Z p_T$ [GeV]