

13000 GeV pp

Z+Jet

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

- ATLAS
- ▲ Pythia 8.209 default
- ▲ Pythia 8.209 default-noCR

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ 1.2
1
0.8
0.6
0.4
0.2
0

ATLAS_2019_I1736531

Rivet 3.1.10, $\geq 100\text{k events}$
mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2
1
0.52
1
0.5Mean $p_T/d\eta d\phi$

3

1

2