

13000 GeV pp

Z+Jet

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

- ATLAS
- ▲ Pythia 8.183 default
- ▲ Pythia 8.183 default-noCR

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

Mean  $p_T/d\eta d\phi$ 