

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

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

- ATLAS
- ▲ Pythia 8.176 default
- ▲ Pythia 8.176 default-noCR

Rivet 3.1.10, $\geq 400\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS, 2019_11736531

Ratio to ATLAS

 $p_T [\text{GeV}]$ 