

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

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

- ATLAS
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.209 default

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_11736531

Ratio to ATLAS

