

13000 GeV pp

Z (Drell-Yan)

 p_T spectrum (ATLAS UE in Z production) $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$

- ATLAS
- Herwig 7.2.1 default
- ▲-- Pythia 8.308 default
- ...◆... Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_I1736531

Ratio to ATLAS

2

2

1

0.5

0

2

4

 $p_T [\text{GeV}]$ 