

13000 GeV pp

Z (Drell-Yan)

 p_T spectrum (ATLAS UE in Z production)

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

■ ATLAS
—○— MadGraph5 2.7.2.atlas3 lo
...♦... Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_I1736531

Ratio to ATLAS

2
1
0.5

2
1
0.5

 p_T [GeV]

0

2

4