

13000 GeV pp

Z (Drell-Yan)

Scalar $\Sigma(p_T)$ (ATLAS UE in Z production)

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

■ ATLAS
▲ Pythia 8.308 default
▼ Pythia 8.308 vincia-default

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

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 p_T [GeV]