

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noCR

 $1/N_{ev} dN_{ev}/d\text{sum } p_T/d\eta d\phi [\text{GeV}]^{-1}$ 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

sum $p_T/d\eta d\phi [\text{GeV}]$ 