

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
--□-- Herwig 7.2.1 default
--▲-- Pythia 8.170 default

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

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

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