

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- △ Herwig++ Powheg 2.7.1 default
- ◆ Sherpa 1.4.5 default

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019, 11736531

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_{\text{T}} [\text{GeV}]^{-1}$

Ratio to ATLAS

Mean $p_{\text{T}}/d\eta d\phi$ 