

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.183 default
- ◆ Sherpa 2.2.9 default

ATLAS_2019_I1736531

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

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

Ratio to ATLAS

Mean $p_T/d\eta d\phi$ 