

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

■ ATLAS
—▲ Pythia 8.183 default

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

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_1173653

Ratio to ATLAS

2

1

0.5

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