

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.308 default
- - ▼ Pythia 8.308 tune-1
- - ● Pythia 8.308 tune-2c
- - ○ Pythia 8.308 tune-2m

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I173653

Ratio to ATLAS

2

1

0.5

 $N_{ch}/d\eta d\phi$ 