

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.183 default

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_0736531

Ratio to ATLAS

2

1

0.5

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