

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 6.428 pro-q2o

Rivet 3.1.10, ≥ 1.8M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

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