

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- △ Pythia 6.428 370
- ⋯△ Pythia 6.428 373
- Pythia 6.428 374
- ⋯○ Pythia 6.428 375
- △ Pythia 6.428 381
- ⋯▽ Pythia 6.428 382

Rivet 3.1.10, ≥ 2M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_11_36589

Ratio to ATLAS

2

1

0.5

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