

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

1

 $10^{-1}$  $10^{-2}$ 

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z1
- Pythia 6.428 z2

(ATLAS\_2019\_I1736531)

Rivet 4.1.0,  $\geq 1.6$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

1

2

3

4