

13000 GeV pp

Z+Jet

 $p_T$  spectrum (ATLAS UE in Z production)

- ATLAS
- Pythia 6.428 350
- △ Pythia 6.428 370
- △ Pythia 6.428 380
- Pythia 6.428 p0
- Pythia 6.428 p2010

Rivet 3.1.10,  $\geq 2$ M events

mcplots.cern.ch [arXiv:1306.3436]

2019 11736531

Ratio to ATLAS

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