

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$

- ATLAS
- Pythia 6.428 390
- Pythia 6.428 391
- ◇ Pythia 6.428 392
- ★ Pythia 6.428 396
- ☆ Pythia 6.428 397
- ▼ Pythia 6.428 398

Rivet 3.1.10, ≥ 1.8M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_04.736531

Ratio to ATLAS

2

1

0.5

 $p_T [\text{GeV}]$ 