

$p_T$  spectrum (ATLAS UE in Z production)

- 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,  $\geq 2.3M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019 J1736531

Ratio to ATLAS

2

1

0.5

sum  $p_T/d\eta d\phi$  [GeV]