

Nch (ATLAS UE in Z production)

- ATLAS
- △ Pythia 6.428 370
- -■ Pythia 6.428 default
- ▲ Pythia 8.170 default

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_11736531

Ratio to ATLAS

2

1

0.5

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