

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 1, p_T > 2.5$  GeV) $\langle p_T \rangle$  [GeV]

12

10

8

6

4

2

0

- ATLAS
- ▲ Pythia 8.301 default
- ▼ Pythia 8.301 tune-AU2
- ◇ Pythia 8.301 tune-AU2lox
- Pythia 8.301 tune-AU2loxx
- ★ Pythia 8.301 tune-AU2m

ATLAS\_2010\_S8918562

Rivet 3.1.0,  $\geq 6.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

0.5

1

2

2

1

0.5

0

10

20

 $N_{ch}$ 