

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 0, |\eta| < 2.5, p_T > 0.5$  GeV)

- ATLAS
- ▲ Pythia 8.226 default
- Pythia 8.226 tune-A14-CTEQL1
- - - Pythia 8.226 tune-A14-MSTW2008LO
- ⋯ Pythia 8.226 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.226 tune-CUETP8S1

Rivet 3.1.0,  $\geq 6.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

2

1

0.5

0

20

40

60

 $N_{ch}$ 