

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

- ATLAS
- - □ Herwig 7.0.3 default
- - ▲ Pythia 8.180 default
- - ◆ Sherpa 1.4.1 default

Rivet 3.1.0,  $\geq 7.2$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

2

1

0.5

0

20

40

 $N_{ch}$ 