

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 1, p_T > 2.5$  GeV)

- ATLAS
- - □ Herwig 7.0.1 default
- - ▲ Pythia 8.135 default
- - ◆ Sherpa 1.2.3 default

Y-axis labels:  $\langle p_T \rangle$  [GeV] (top), Ratio to ATLAS (bottom)

Right Y-axis labels: Rivet 3.1.0,  $\geq 7M$  events (top), mcplots.cern.ch [arXiv:1306.3436] (middle)

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