

Average  $N_{\text{ch}}$  ( $p_{\text{T}} > 5$ , forward,  $|\eta| < 2.1$ )

- ATLAS
- Herwig++ 2.6.1a default
- Herwig 7.2.0 default
- ▲- Pythia 8.209 default
- ◆- Sherpa 2.2.8 default

Rivet 3.1.0,  $\geq 5.8\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2016\_I1419070

Ratio to ATLAS

