

$\langle N_{\text{ch}} \rangle$ vs $p_{\text{T}}^{\text{lead}}$ ($|\eta| < 2.5$, $p_{\text{T}} > 0.5$ GeV, $p_{\text{T}1} > 1$ GeV)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default
- - ◆ Sherpa 2.2.9 default

 $\langle N_{\text{ch}} / \Delta \eta \Delta \phi \rangle$
Rivet 3.1.10, ≥ 2.7 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

 $p_{\text{T}}^{\text{lead}}$ [GeV]

 $p_{\text{T}}^{\text{lead}}$ [GeV]

 $p_{\text{T}}^{\text{lead}}$ [GeV]