

$\langle N_{\text{ch}} \rangle$  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,  $\geq 2.7$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2017\_I1509919

Ratio to ATLAS

 $\langle N_{\text{ch}} / \Delta \eta \Delta \phi \rangle$ 
 $\langle N_{\text{ch}} / \Delta \eta \Delta \phi \rangle$ 
 $p_{\text{T}}^{\text{lead}}$  [GeV]

0

10

20

30

2

1

0.5

2

1

0.5