

$\langle N_{\text{ch}} \rangle$  vs  $\phi^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_{\text{T}} > 0.5$  GeV,  $p_{\text{T}1} > 10$  GeV)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig++ 2.7.1 UE-EE-5
- Herwig 7.2.1 default

5

4

3

2

1

0

ATLAS\_2017\_I1509919

Rivet 3.1.10,  $\geq 3.3\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $|\Delta\phi|$  [degrees] $\langle N_{\text{ch}} / \Delta\eta \Delta\phi \rangle$ 