

900 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs ϕ^{lead} ($|\eta| < 2.5$, $p_{\text{T}} > 0.5$ GeV, $p_{\text{T}_1} > 2.5$ GeV)

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.209 default
- ◆··· Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 200\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

 $|\phi|$ (w.r.t. leading track) [rad]