

7000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs η^{lead} ($|\eta| < 2.5$, $p_{\text{T}} > 0.1$ GeV)

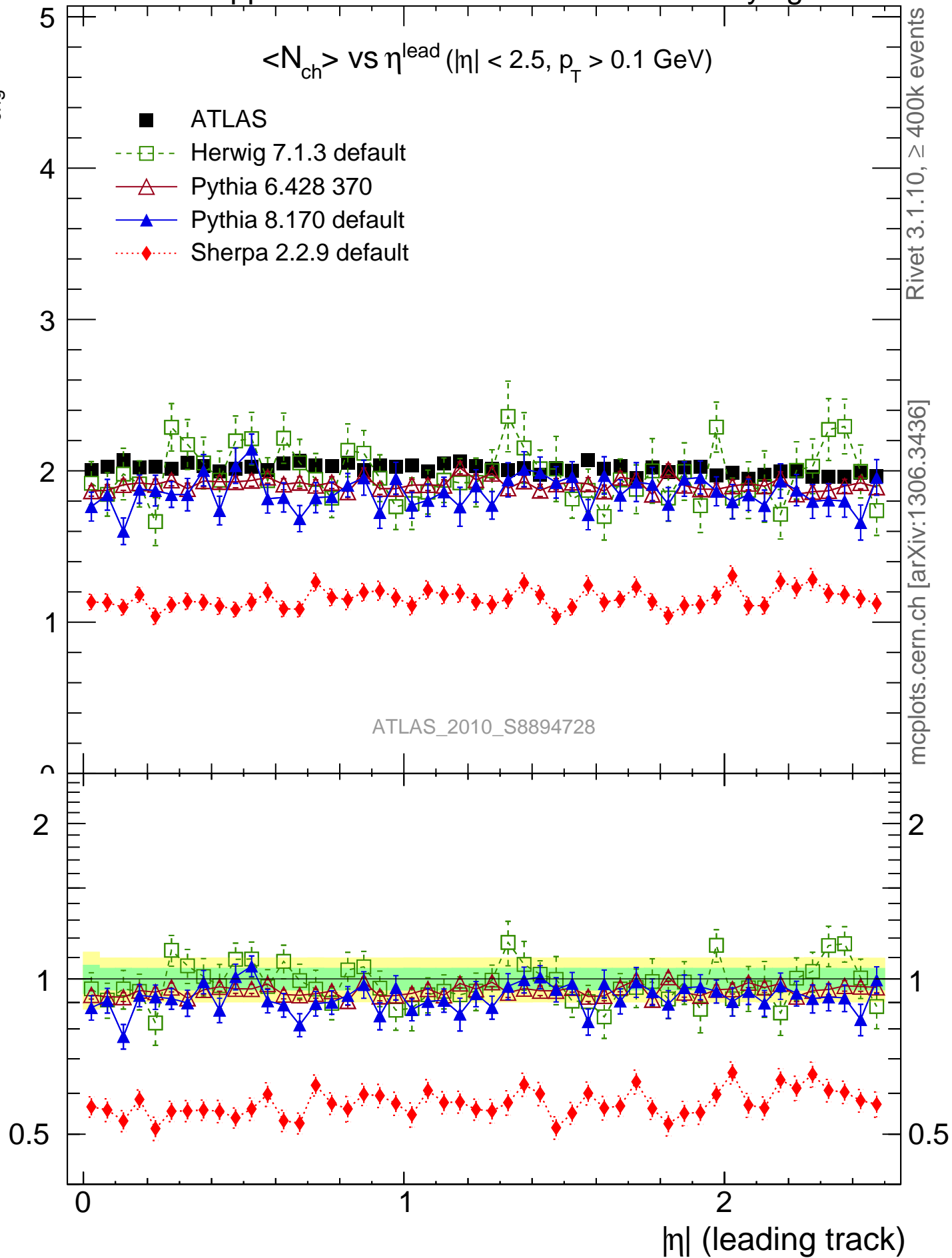
- ATLAS
- - □ - - Herwig 7.1.3 default
- - △ - - Pythia 6.428 370
- - ▲ - - Pythia 8.170 default
- - ◆ - - Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 400\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

 $|\eta|$ (leading track)