

7000 GeV pp

Underlying Event

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

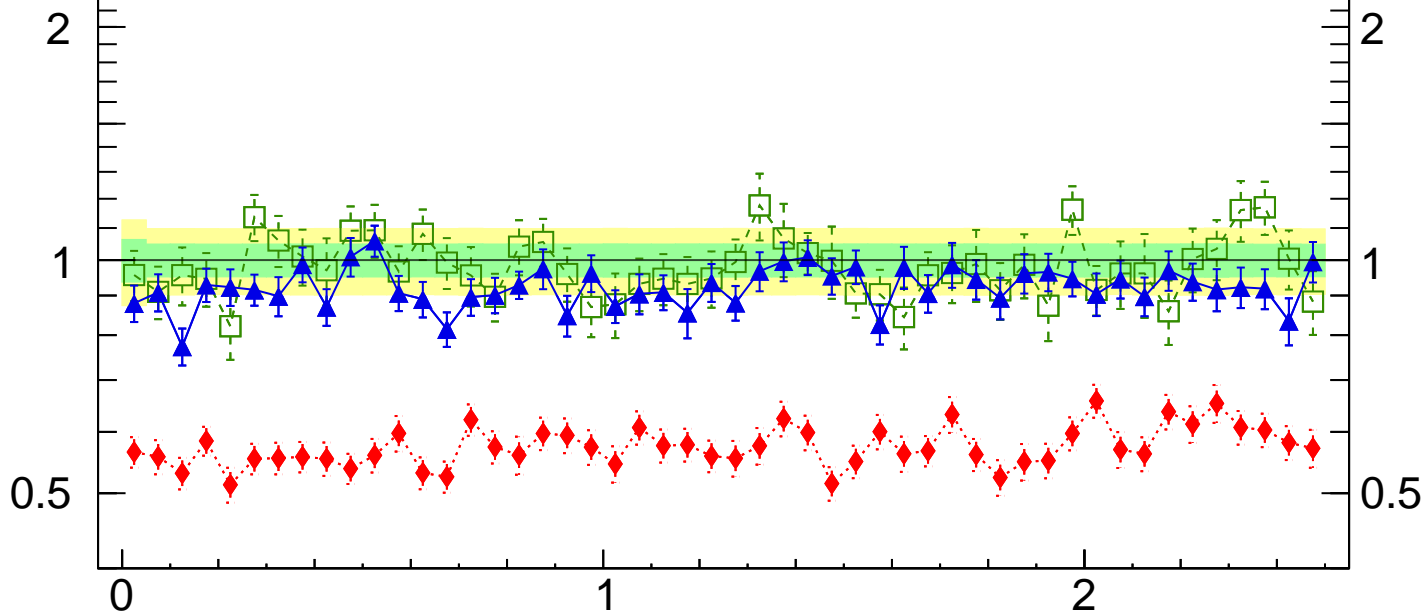
- ATLAS
- - □ Herwig 7.1.3 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.2.9 default

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

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

 $|\eta|$  (leading track)