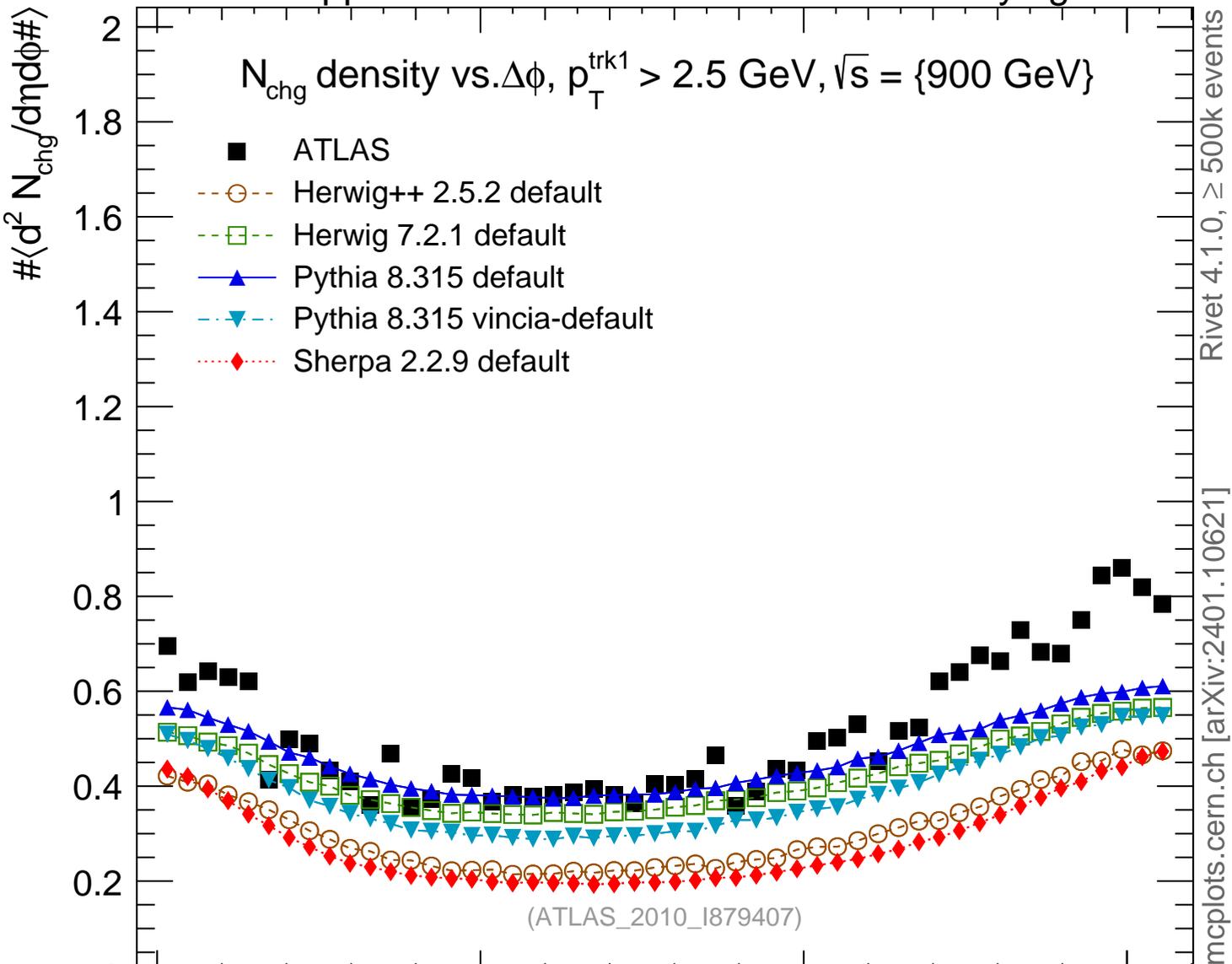


900 GeV pp

Underlying Event

 $N_{\text{chg}}$  density vs.  $\Delta\phi$ ,  $p_T^{\text{trk1}} > 2.5 \text{ GeV}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$ 

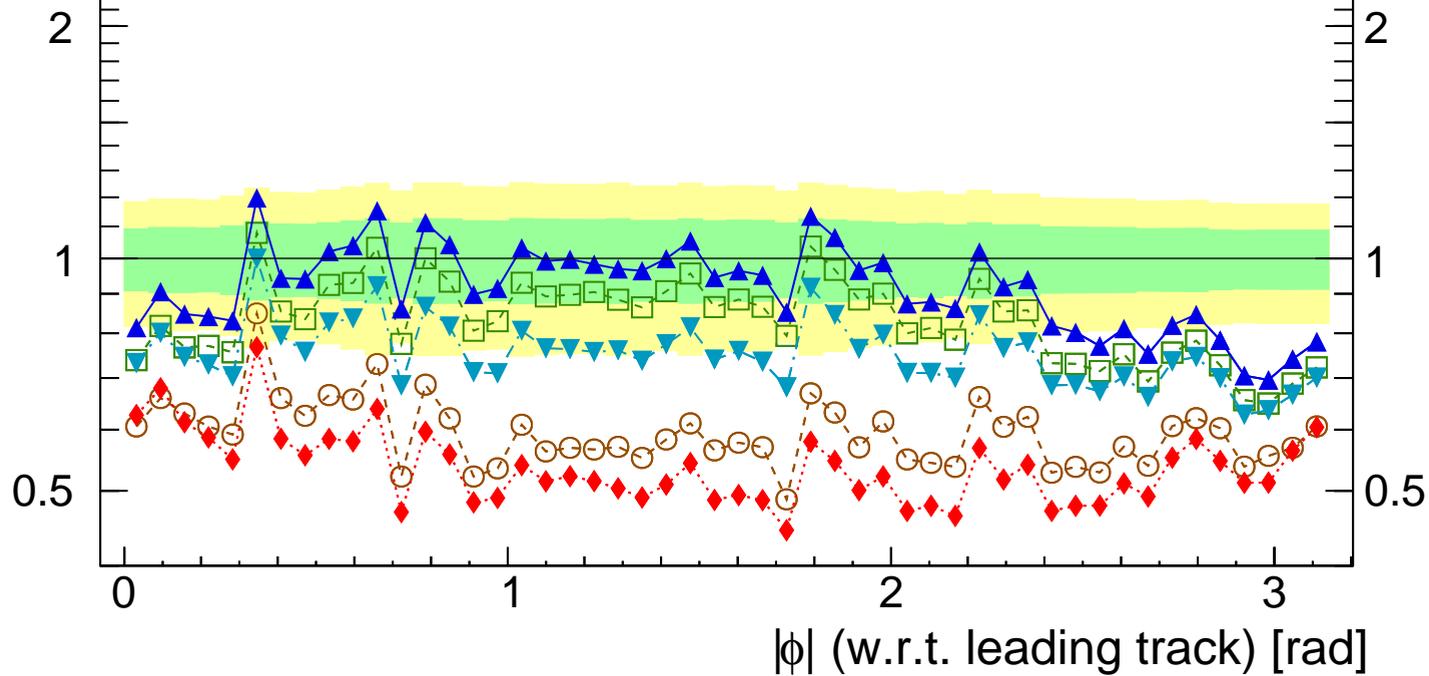
- ATLAS
- Herwig++ 2.5.2 default
- Herwig 7.2.1 default
- ▲- Pythia 8.315 default
- ▼- Pythia 8.315 vincia-default
- ◆- Sherpa 2.2.9 default



Rivet 4.1.0, ≥ 500k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS



2

1

0.5

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