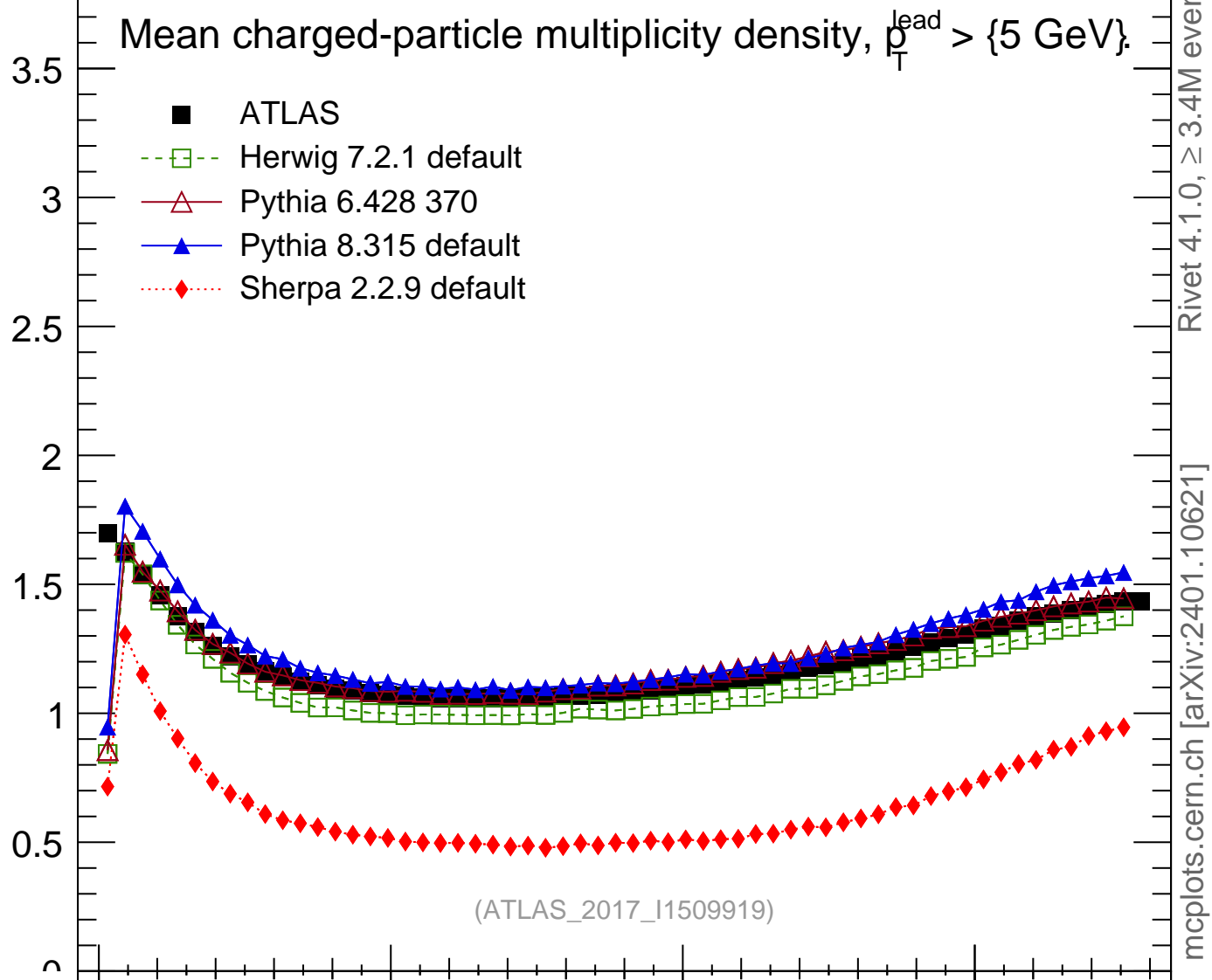


13000 GeV pp

Underlying Event

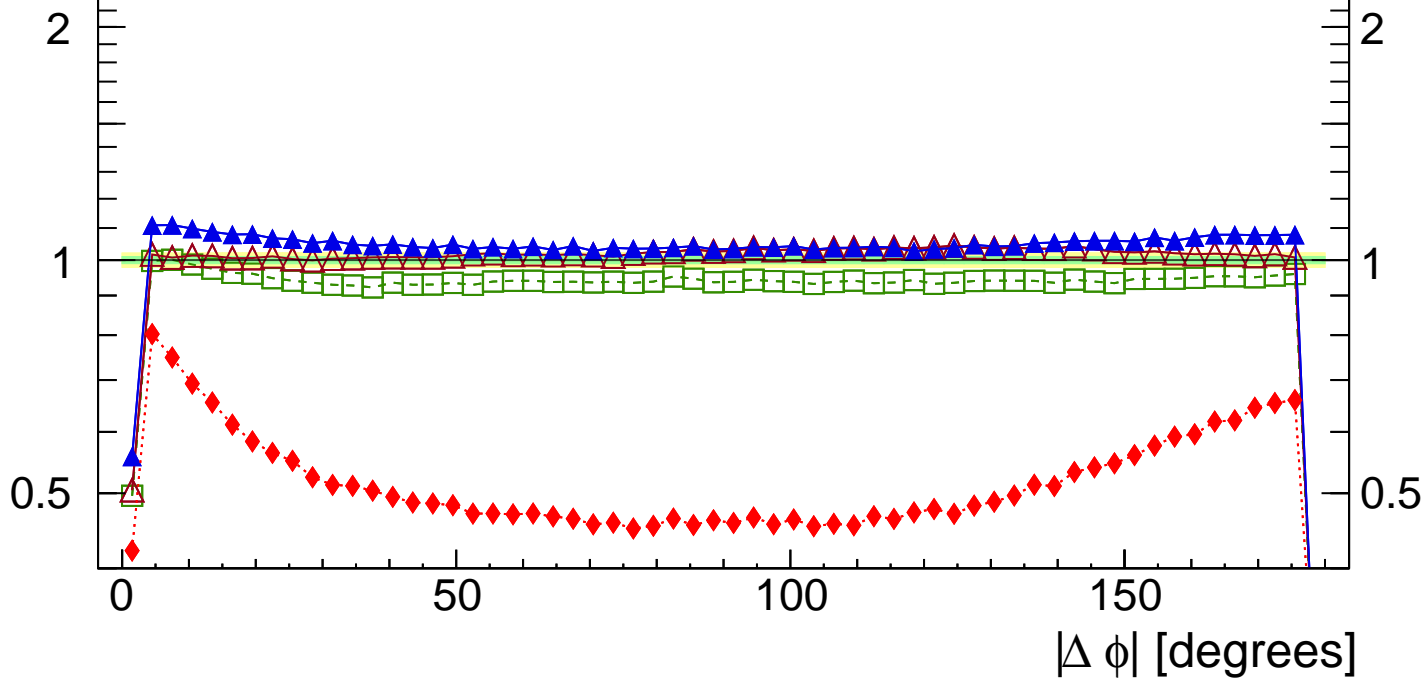
Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{5 \text{ GeV}\}$

- ATLAS
- Herwig 7.2.1 default
- △--- Pythia 6.428 370
- ▲--- Pythia 8.315 default
- ◆--- Sherpa 2.2.9 default

 $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$ Rivet 4.1.0, $\geq 3.4\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS



2

1

0.5

 $|\Delta\phi|$ [degrees]