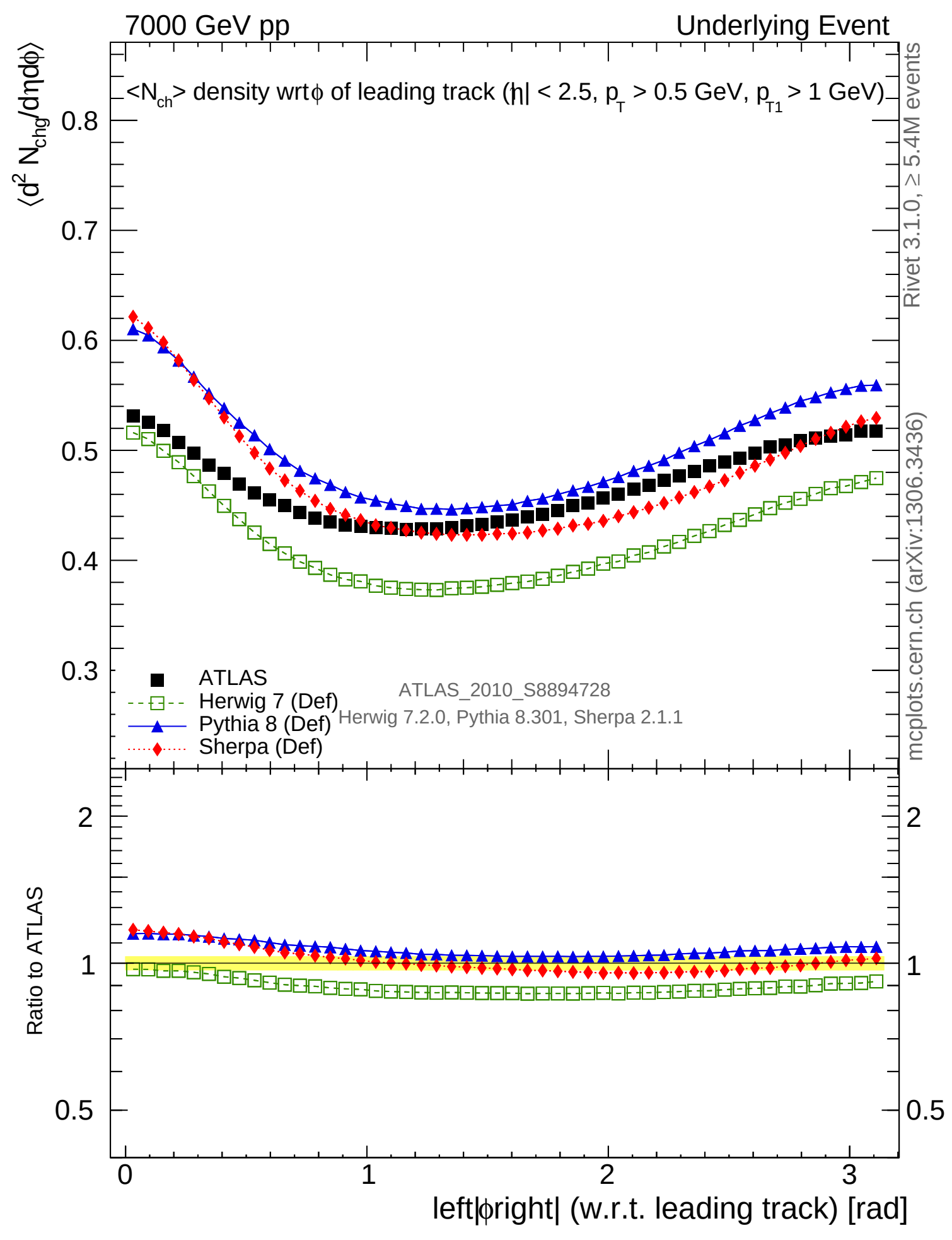
7000 GeV pp
Underlying Event
<N_ch> density wrt ϕ of leading track (|η| < 2.5, p_T > 0.5 GeV, p_T1 > 1 GeV)
⟨d² N_chg/dηdϕ⟩
ATLAS
Herwig 7 (Def)
Pythia 8 (Def)
Sherpa (Def)
ATLAS_2010_S8894728
Herwig 7.2.0, Pythia 8.301, Sherpa 2.1.1
Rivet 3.1.0, ≥ 5.4M events
mcplots.cern.ch (arXiv:1306.3436)
Ratio to ATLAS
left|ϕright| (w.r.t. leading track) [rad]