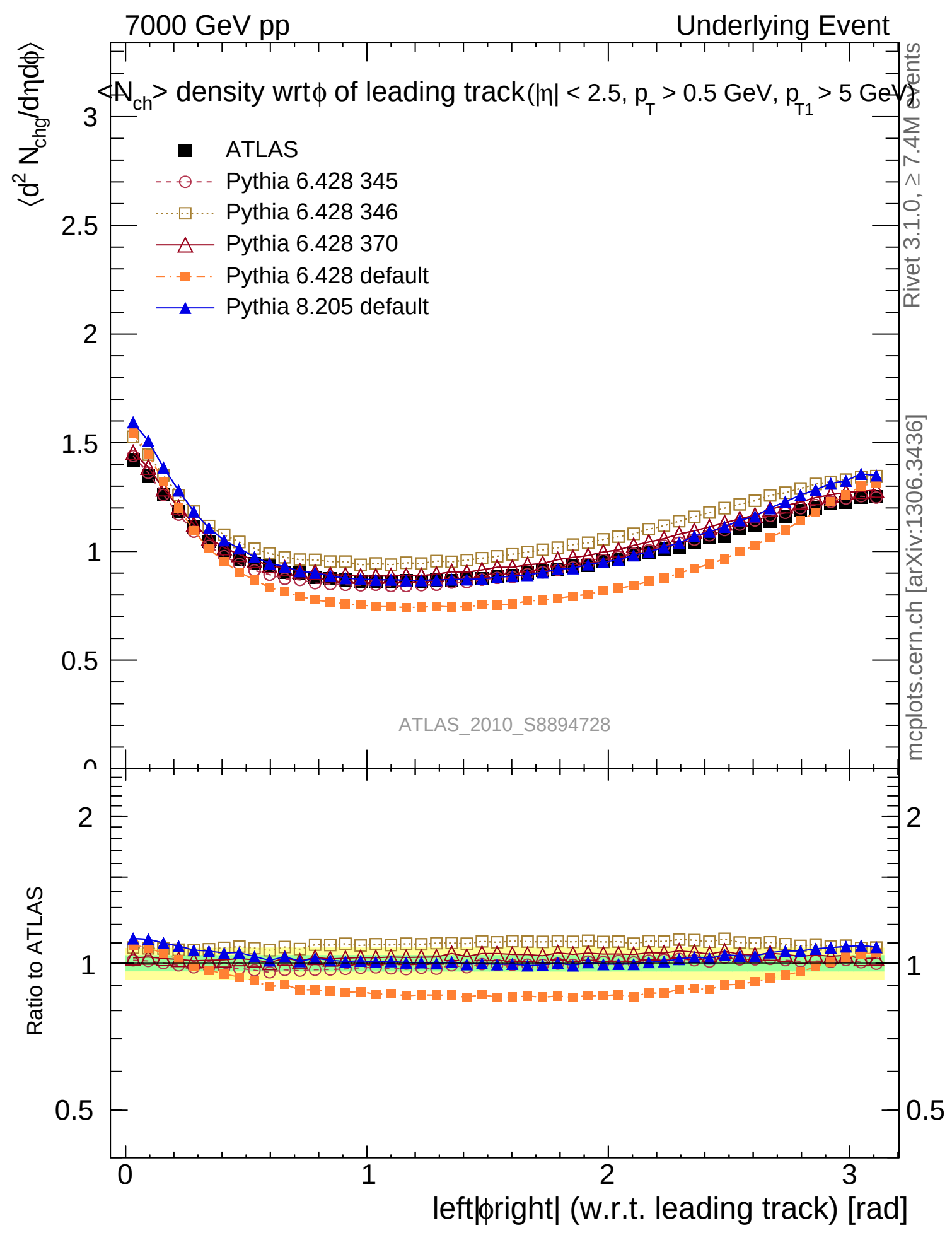
7000 GeV pp
Underlying Event
<N_ch> density wrt ϕ of leading track (|η| < 2.5, p_T > 0.5 GeV, p_T1 > 5 GeV)
⟨d² N_chg/dηdϕ⟩
ATLAS
Pythia 6.428 345
Pythia 6.428 346
Pythia 6.428 370
Pythia 6.428 default
Pythia 8.205 default
ATLAS_2010_S8894728
Rivet 3.1.0, ≥ 7.4M events
mcplots.cern.ch [arXiv:1306.3436]
Ratio to ATLAS
left|ϕright| (w.r.t. leading track) [rad]