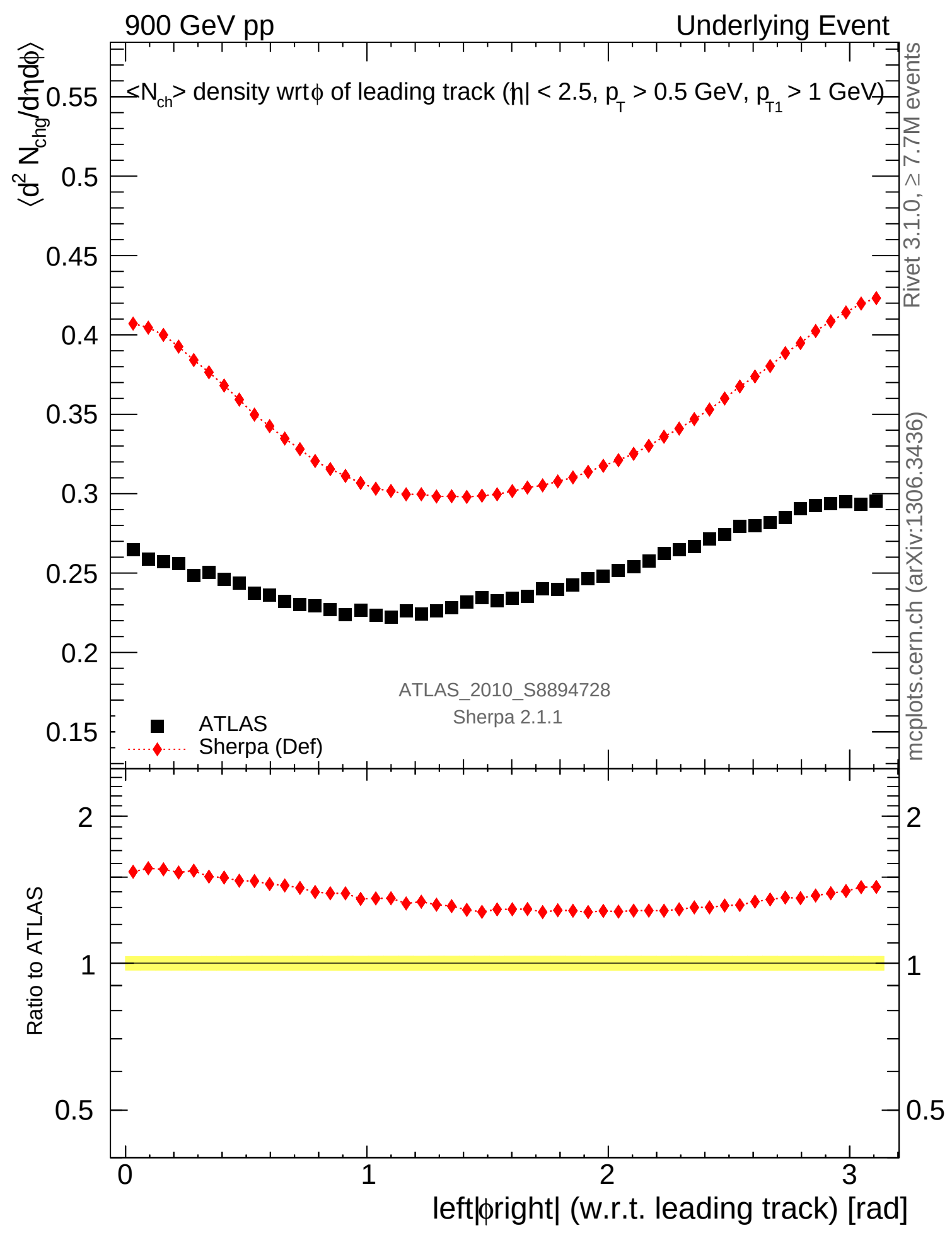
900 GeV pp
Underlying Event
<N_ch> density wrt φ of leading track (|η| < 2.5, p_T > 0.5 GeV, p_T1 > 1 GeV)
⟨d² N_chg/dηdφ⟩
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
ATLAS_2010_S8894728
Sherpa 2.1.1
ATLAS
Sherpa (Def)
Rivet 3.1.0, ≥ 7.7M events
mcplots.cern.ch (arXiv:1306.3436)
Ratio to ATLAS
2
1
0.5
0
1
2
3
left|φright| (w.r.t. leading track) [rad]