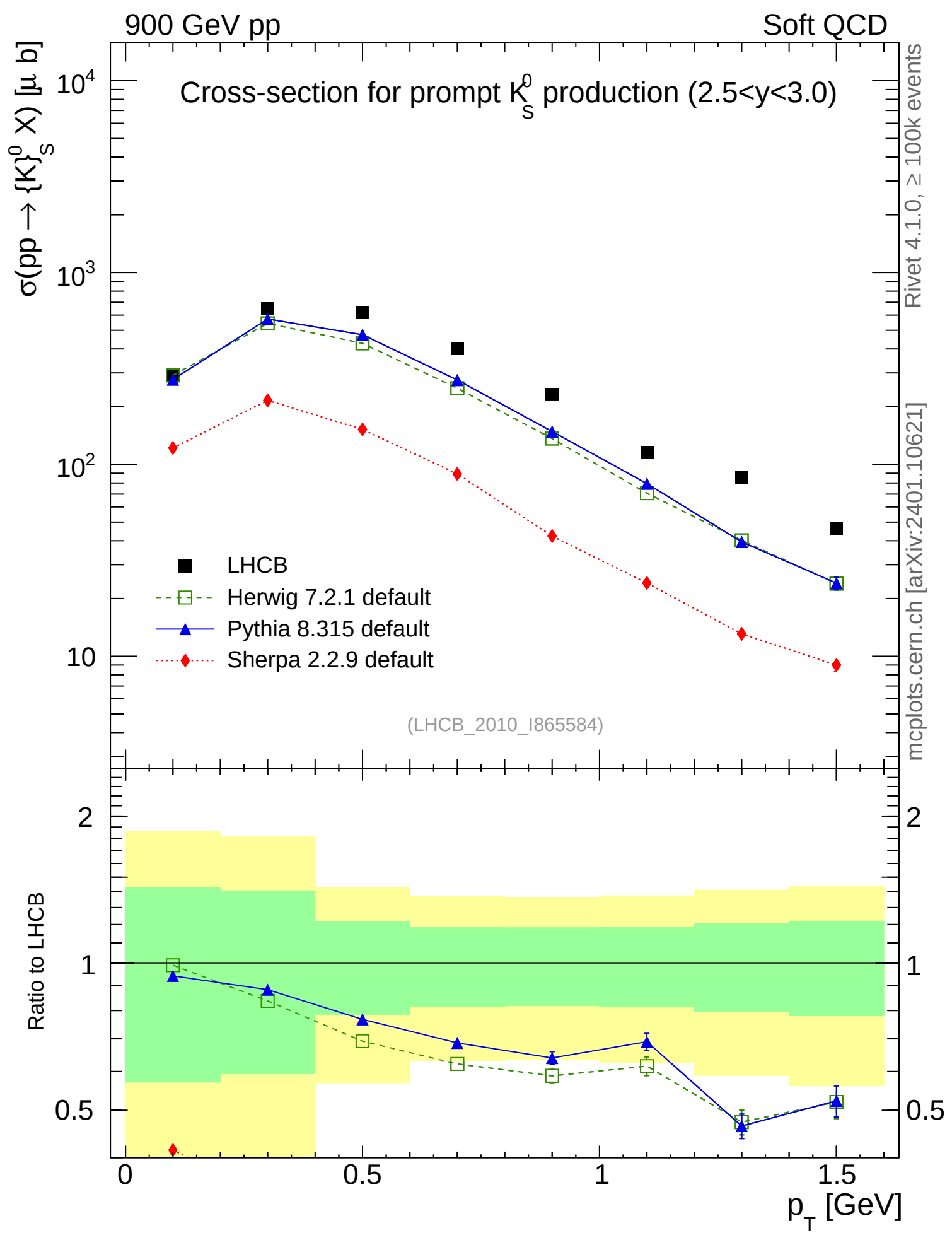
900 GeV pp
Soft QCD
Cross-section for prompt K^0_S production (2.5<y<3.0)
$\sigma(pp \to \{K\}^0_S X)$ [μ b]
10^4
10^3
10^2
10
LHCB
Herwig 7.2.1 default
Pythia 8.315 default
Sherpa 2.2.9 default
(LHCB_2010_I865584)
Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:2401.10621]
Ratio to LHCB
2
1
0.5
0
0.5
1
1.5
p_T [GeV]