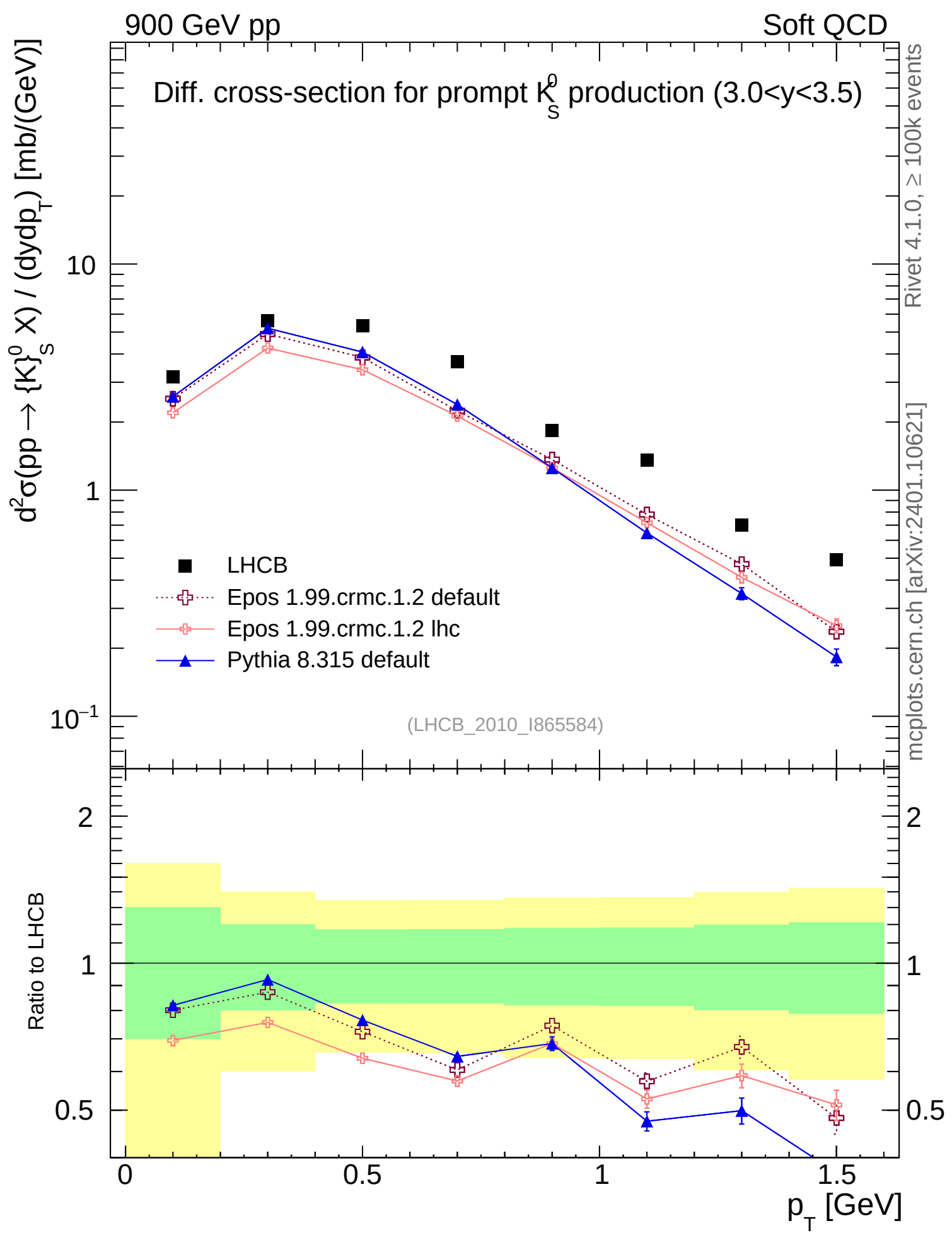
900 GeV pp
Soft QCD
Diff. cross-section for prompt $K^0_S$ production (3.0<y<3.5)
$d^2\sigma(pp \to \{K\}^0_S X) / (dydp_T)$ [mb/(GeV)]
10
1
$10^{-1}$
LHCB
Epos 1.99.crmc.1.2 default
Epos 1.99.crmc.1.2 lhc
Pythia 8.315 default
(LHCB_2010_I865584)
Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:2401.10621]
Ratio to LHCB
2
1
0.5
0
0.5
1
1.5
$p_T$ [GeV]