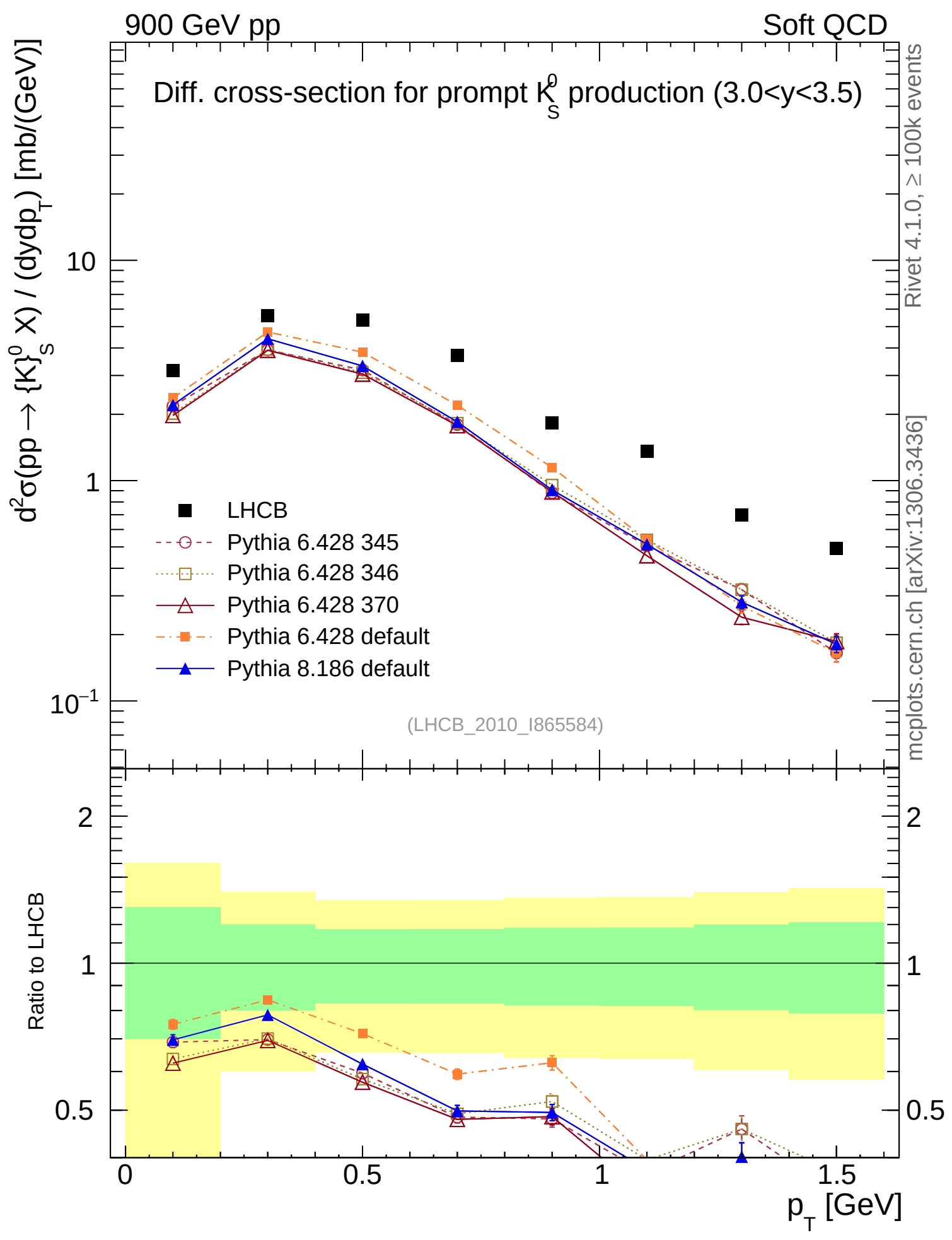
900 GeV pp
Soft QCD
Diff. cross-section for prompt K^0_S production (3.0<y<3.5)
$d^2\sigma(pp \to \{K\}^0_S X) / (dy dp_T)$ [mb/(GeV)]
10
1
10^{-1}
LHCB
Pythia 6.428 345
Pythia 6.428 346
Pythia 6.428 370
Pythia 6.428 default
Pythia 8.186 default
(LHCB_2010_I865584)
Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:1306.3436]
Ratio to LHCB
2
1
0.5
0
0.5
1
1.5
p_T [GeV]