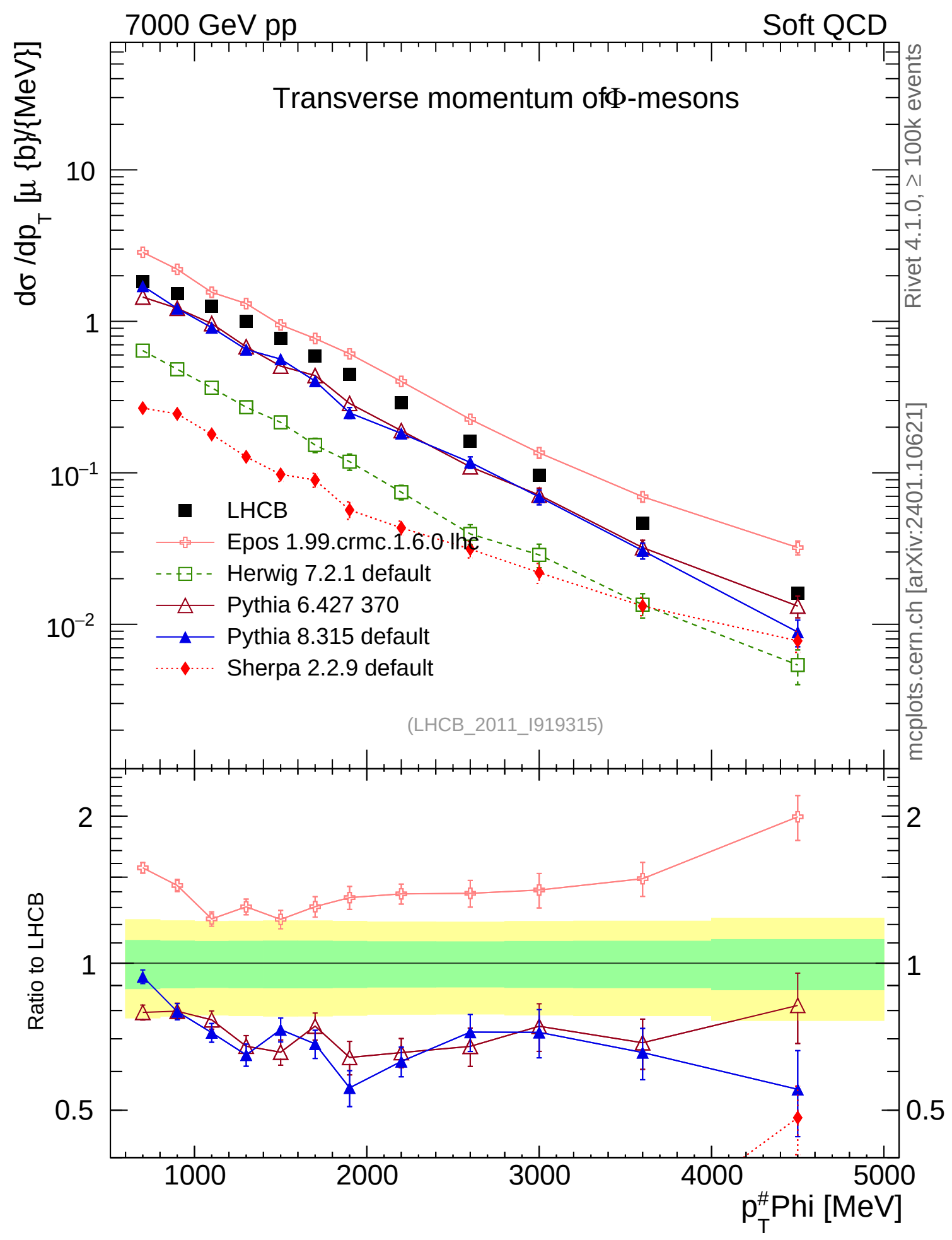
7000 GeV pp
Soft QCD
Transverse momentum of Φ-mesons
dσ /dp_T [μ {b}/{MeV}]
10
1
10^-1
10^-2
LHCB
Epos 1.99.crmc.1.6.0 lhc
Herwig 7.2.1 default
Pythia 6.427 370
Pythia 8.315 default
Sherpa 2.2.9 default
(LHCB_2011_I919315)
Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:2401.10621]
Ratio to LHCB
2
1
0.5
1000
2000
3000
4000
5000
p_T^#Phi [MeV]