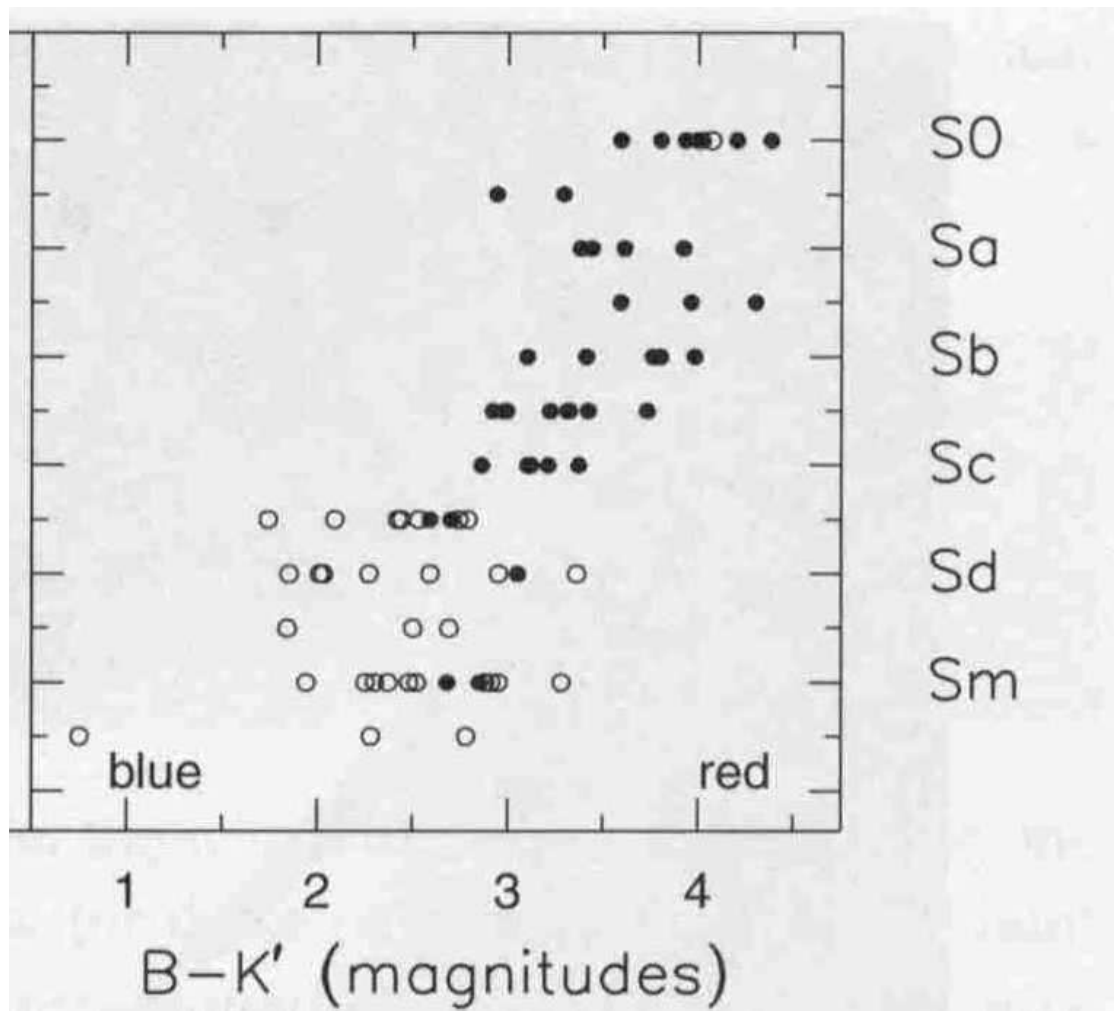
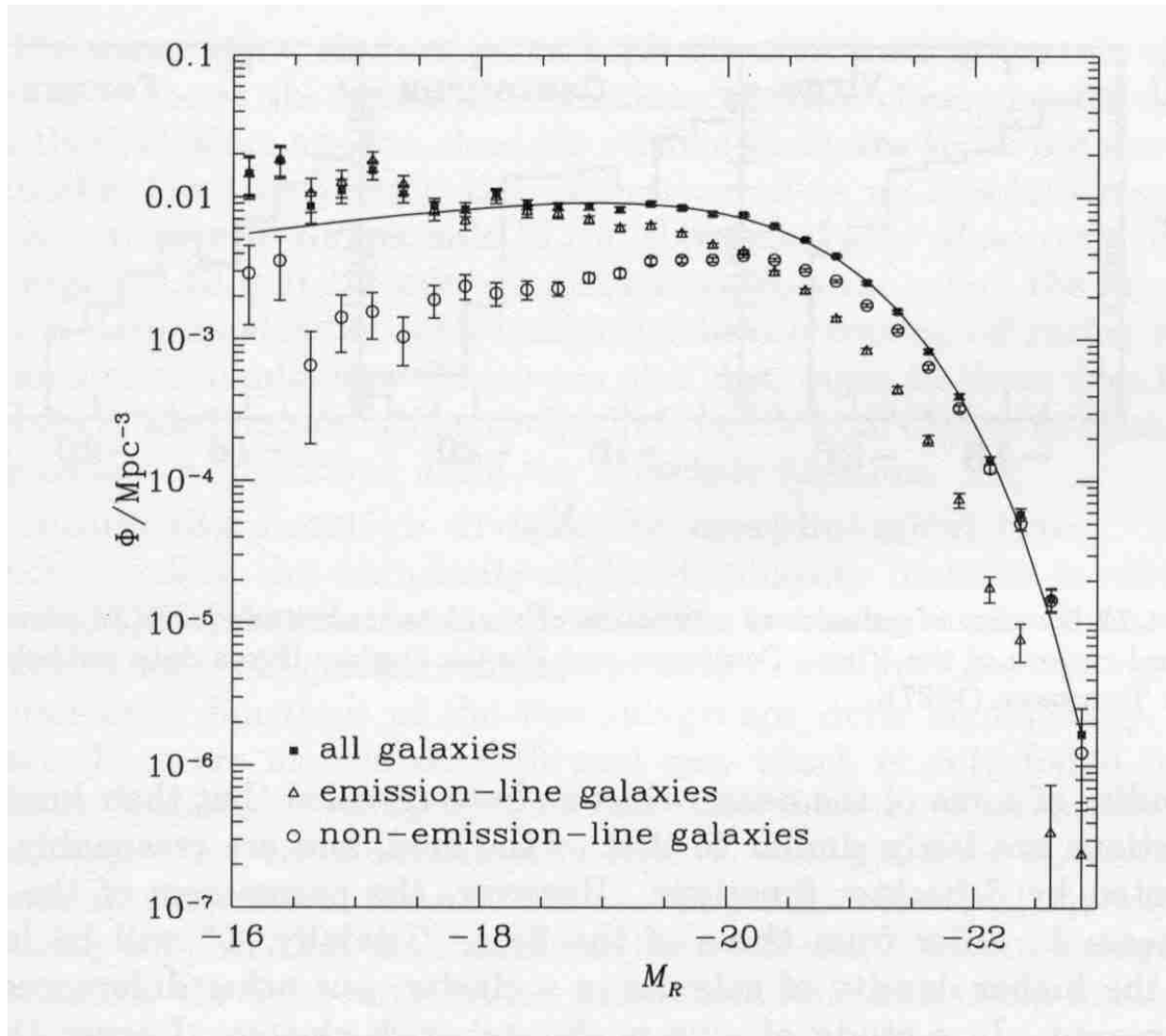


Galaxy Luminosity Functions



Giant disk galaxies (S0 and Sa—Sc) are red with $(B-K' > 3)$. This is why $M^*(K)$ is 3.4 mag brighter than $M^*(B)$ in Schechter luminosity function of field galaxies.



Data points of R-band LF of field galaxies is fitted at bright end with a Schechter-type LF, but the faint end of the LF is not well described by a Schechter type LF