

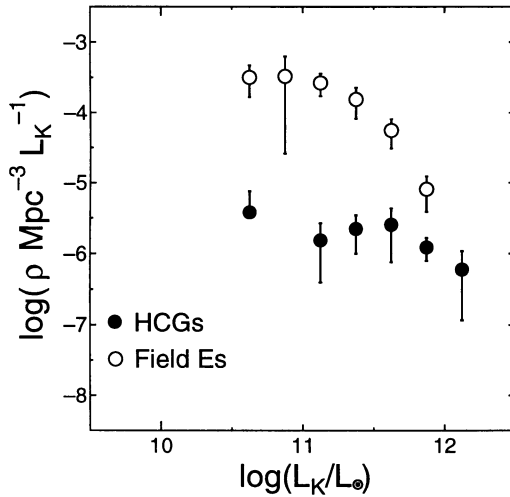
# A K-BAND LUMINOSITY FUNCTION OF HICKSON COMPACT GROUPS OF GALAXIES

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*Figure 1.* A K-band luminosity function of Hickson Compact Groups of Galaxies. The data were obtained at the University of Hawaii Planetary Patrol 24 inch telescope with a NICMOS3 camera. The K-band luminosity function of field ellipticals are derived from the data in Faber et al. (1989, *ApJS*, **69**, 763). We adopted 4.19 mag. as  $(B - K)_T^0$  of ellipticals (as estimated from Govazzi & Boselli 1996, *Astro. Lett. & Comm.*, **35**, 1)