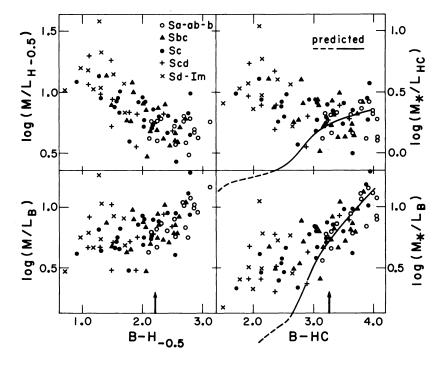
J. Patricia Vader Yale University Observatory

Mass-to-light ratios M/L and M/L are plotted against color B-H in Fig. 1 for 82 nearby spirals from the catalog of Aaronson et al. (1982, Ap.J. Suppl. 50, 241), with B magnitudes from the RC2, $|b| > 20^{\circ}$, 45° \leq i \leq 80°, and HI mass estimates. Total masses and infrared H magnitudes are measured within the blue isophotal radii R and R 10, 73, respectively, which depend on galaxy color. This color bias is corrected for by replacing R by R' 15, the radius a galaxy would have at a standard color B-H 10.5 are obtained by substracting twice the HI mass and by extrapolation, respectively. Corrected ratios M 14 HC and M 15 wersus corrected color B-HC are shown in Fig. 1 together with theoretical model predictions. The corrected observed ratios are systematically larger for bluer galaxies than predicted so that bluer spirals seem to have relatively more massive halos, in agreement with earlier results (Tinsley, B.M. 1981 M.N.R.A.S. 194, 63; Vader, J. P. 1984, in Formation and Evolution of Galaxies and Large Structures in the Universe, eds. J. Audouze and J. T. Thanh Van, p. 227).





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