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OPTICAL SPECTRUM OF UV Cas

A spectrum of the star UV Cas between $\lambda\lambda$ 4150 and 5050 Å has been secured on September 15, 1978 at the 152 cm telescope of the Bologna Observatory on a II aD plate and a Varo image-tube, with a reciprocal dispersion of nearly 84 Å/mm. The most remarkable feature is the lack of the Balmer hydrogen lines, while metals are mostly ionized and C₂ is possibly present at λ 4714 and λ 4737.

The general pattern of the spectrum is very similar to that of RY Sgr near maximum light (Alexander et al., 1972). As the spectrum is underexposed below λ 4300 Å it was not possible to achieve a correct MK classification; however, on the basis of the available features, a spectral type between FO Ib and F5 Ib may be suggested.

A rough measure of the radial velocity (-30 ± 10 km/s) has also been obtained in good agreement with those reported by Abt (1973).

The nature of R CrB-type star UV Cas seems so well established from a spectroscopical point of view, despite the puzzling behaviour of its light-curve (Zavatti, 1975).

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