Rev. Mexicana Astron. Astrof., **14**, 361 (1987)

V4046 Sgr - AN ISOLATED BINARY POST T TAURI STAR

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ABSTRACT. V4046 Sgr is an extremely active BY Dra type red dwarf star. Spectroscopic observations show that this object presents typical characteristics of a star in the pre-main sequence stage of evolution. It was discovered to be a spectroscopic binary with very similar components. It does not seem to be associated with any cloud or association, although it shows far infrared excess as detected by IRAS. The Hα emission, although varying in intensity with the orbital or rotational period (2.4213^d), seems to come from a common envelope of the system. We will present an analysis of all the data obtained and will discuss some implications concerning the evolutionary model of the system.

Key words: STARS-BINARY -- STARS-PRE-MAIN SEQUENCE -- STARS-T TAURI

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