

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 H α 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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