

ASTROPHYSICS SEMINAR

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An ultra-massive fast-spinning white dwarf

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Abstract. The existence of ultra-massive white dwarfs ($M > 1.2 M_{\odot}$) is of particular interest for several fields of astrophysics, ranging from the properties of matter at high density, to the evolution of single and binary stars. Ultra-massive white dwarfs are also relevant as likely progenitors of Type Ia supernovae and millisecond pulsars. I will present the discovery — and new X-ray and optical observations — of a white dwarf with a mass of $1.28 \pm 0.05 M_{\odot}$ in a peculiar binary system resulting from common envelope evolution.

Additional Information

The seminars are given in the ISDC “Pavillon” building
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