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**UNIVERSITÉ  
DE GENÈVE**

FACULTÉ DES SCIENCES  
Département d'astronomie

## ASTROPHYSICS SEMINAR



Friday, 1 June 2007 at 11:00

# Searching for Type Ia Supernova Progenitors

**Thierry Lanz**

University of Maryland, USA

**Abstract.** The identification of progenitors of supernovae of type Ia (SN Ia) remains elusive. I will review the case for single-degenerate systems versus double-degenerate systems. A promising channel leading to a SN Ia event involves accreting white dwarfs that sustain steady nuclear burning. They are observed as close binary X-ray sources with a supersoft spectrum (CBSS). I will discuss the properties of these systems based on an on-going multi-wavelength (Spitzer, Chandra and XMM-Newton) study of CBSS.

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### Additional Information

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The seminars are given in the ISDC "Pavillon" building  
Address: INTEGRAL Science Data Centre, ch. d'Écogia 16, CH-1290 Versoix  
WWW: ISDC Seminars: <http://isdc.unige.ch/?Science+seminars>