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SCIENCE DATA CENTRE

Centre attaché à l'Observatoire de Genève



UNIVERSITÉ DE GENÈVE

## ASTROPHYSICS SEMINAR



Wednesday, 2 November 2005 at 11:00

# Spectra and variability of black-hole binaries

**Andrzej A. Zdziarski**

N. Copernicus Astronomical Center, Poland

**Abstract.** I will review spectral states and state transitions of black hole binaries and their theoretical accretion and jet models. Of particular interest are luminosities close to the Eddington achieved in the hard (also called low) state, and hysteresis of the transitions. Then I will discuss modelling of variability properties of Cyg X-1 and other black hole binaries, including energy-dependent rms, power spectra, spectral variability patterns and various spectral-timing correlations.

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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>