

## UX URSAE MAJORIS AS A SW SEX STAR

V.V. Neustroev<sup>1</sup>, V.F. Suleimanov<sup>2,3</sup>, N.V. Borisov<sup>4</sup>, K.V. Belyakov<sup>3</sup>, A. Shearer<sup>1</sup>

<sup>1</sup> - *Center of Astronomy, National University of Ireland, Galway, Ireland;* <sup>2</sup> - *Institute for Astronomy and Astrophysics, Kepler Center for Astro and Particle Physics, Eberhard Karls University, Tübingen, Germany;*

<sup>3</sup> - *Kazan State University, Russia;* <sup>4</sup> - *Special Astrophysical Observatory, N. Arkhyz, Russia*

We present an analysis of time-resolved, medium-resolution optical spectroscopic observations of the UX UMa system in the blue (3920-5250 Å) and red (6100-7200 Å) wavelength ranges that were obtained in April 1999 and March 2008 respectively. UX UMa has been in different states during those observations. The blue spectra are very complex. They are dominated by strong and broad single-peaked emission lines of hydrogen. All the lines consist of a mixture of absorption and emission