

starting to digitize and archive photo plates and other astronomical data produced at Belgrade Astronomical Observatory, the aims are: i) To work on the development of SerVO and to join the EuroVO and IVOA; b) To develop SerVO data Center which will work on the digitizing, archiving and publishing in VO format photo-plates; c) To work on the development of tools for visualization of data; d) Make a regional node of Virtual Atomic and Molecular Data Center – VAMDC; e) Make a mirror site of STARK-B - Stark broadening data base containing as the first step Stark broadening parameters, obtained within the semiclassical perturbation approach and impact approximation, in VO compatible format; f) Make a mirror site for DSED - Dartmouth Stellar Evolution Database in the context of VO, and g) to put online electronic editions of serbian astronomical institutions.

In this review, the SerVO will be presented, and its history, aims and future plans, as well as its connections with European Virtual Atomic and Molecular Data Center (<http://www.vamdc.eu>, VAMDC), and its node on Belgrade Astronomical Observatory will be considered.

RESULTS OF THE LONG-TERM SPECTRAL OPTICAL MONITORING OF THE ACTIVE GALAXY 3C390.3

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The structure of the broad line region (BLR) in active galactic nuclei (AGN) is still not well known. The BLR is close to the central supermassive black hole and may hold basic information about the formation and fueling of AGN, as well as of the mass of the black hole in the center.

The AGN are highly variable objects. Especially their broad emission lines (BEL) are changing dramatically. The investigation of the BEL flux and profile variability in a long period is very useful for mapping the geometrical and dynamical structure of the BLR.

Here we present the result of the long-term spectral optical monitoring of a well know radio-loud AGN 3c390.3 that exhibit interesting double-peaked BEL profiles.