Poster

SPECTRAL VARIABILITY OF THE SEYFERT 1 GALAXY WPVS 48

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Reverberation mapping is one of the most famous tools in the research on Active Galactic Nuclei (AGN). This method is based on the high variability of the AGN's continuum and its response in the emission lines on timescales of days and weeks to years. As the origins of the contributions from the continuum and the emission lines lie in different regions of the AGN, properties of the internal structure and the mass of the central black hole can be inferred. However, this method is very time-consuming, considering the amount of observation time required in order to receive robust data. Hence, reverberation mapping was applied to only some dozen galaxies. With this in mind, any additional application will support a profound understanding of AGN. In this case, optical data from the galaxy of type Seyfert 1 'WPVS 48' were taken at SALT during a campaign from November 2013 till June 2014. The continuum was observed in the wavelengths ranging from 4300Å to 7400Å. This includes the important emission lines Hα and Hβ. The results of this analysis will be presented.