*Invited lecture*

## CHARACTERISTICS OF THE LONG-TERM SPECTRAL VARIABILITY OF THE AGNs WITH BROAD LINES IN THE OPTICAL SPECTRAL BAND

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Active Galactic Nuclei (AGNs) with broad emission lines in the spectra (known as Type 1 AGNs) show variability in all wavelength range (from radio to gamma rays). We use our many-year long spectral and photometric observations of optical variability for investigations of the physics and kinematics of AGN central parts, i.e. the emission regions which are close to the super-massive black hole. Here we give an overview of the results of our analysis of AGN optical spectral variability in a sample of AGNs with broad emission lines.

*Invited lecture*

## SERBIAN – BULGARIAN MINI – NETWORK TELESCOPES: FIRST SIMULTANEOUS OBSERVATIONS OF VARIABLE OBJECTS

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We report first simultaneous multicolor observations observed in 2015 at 2m and 50/70 Shmidt telescopes of NAO Rozhen, 60 cm telescopes of AO Belogradchik and AS Vidojevica. We present 5-color lightcurves of the cataclysmic variables V425 Cas, V794 Aql, HZ Her and compare the photometric systems of the four telescopes used.