Contribution ID: **41** Type: **Contributed Talk**

Multiband studies of bright blazars sample with SAO RAS telescopes

Friday 19 September 2025 09:00 (15 minutes)

In this report we present results of multi-wavelength investigations of brights blazars sample provided mainly with SAO RAS optical telescopes - 6-meter reflector and 1-meter class instruments. The campaign of optical monitoring spans over 20 years. The sample consists of almost two dozens sources in wide brightness range (optical R band) - between 14th and 20th magnitudes. The statistical analysis of some selected blazars light curves in optical range, being combined with radio and high-energy emission data revealed new features of non-stationary events in Active Nuclei. Spectral studies with 6 meter BTA telescope gave some findings concerning internal structure of blazars and matter localized on line-of-sight. The typical flux variation times gave estimates of emission zones size for individual objects.

Authors: Dr VLASYUK, Valery (Special Astrophysical Observatory of Russian Academy of Sciences); SOTNIKOVA, Yulia (Special Astrophysical Observatory of the Russian Academy of Sciences (SAO RAS))

Presenter: Dr VLASYUK, Valery (Special Astrophysical Observatory of Russian Academy of Sciences)

Session Classification: AGN

Track Classification: Active Galactic Nuclei