

STUDY OF THE IONIZED GAS IN AND AROUND GALAXIES WITH MANGAL EMISSION LINES MAPPER

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The tunable filter photometer MaNGaL (Mapper of Narrow Galaxy Lines) is operating at the 2.5-m telescope of the Moscow State University since November, 2017. The instrument is based on the scanning Fabry-Perot interferometer, that is a sort of low-resolution large-field 3D-spectroscopy providing continuum-free images in the selected emission lines. I briefly review the main scientific results obtained with this device in the study of ionized gas properties related with star-forming and active galaxies.