

# **INVESTIGATION OF GALACTIC AND EXTRAGALACTIC GRAVITATIONAL PHENOMENA AT THE ASTRONOMICAL OBSERVATORY (2017-2019)**

In this paper we present the primary scientific objectives of the project 176003 "Gravitation and the large scale structure of the Universe", as well as the research team of the project, and we describe realized scientific aims. The project is proposed in the frame of fundamental research programme for 2011-2019 period and is supported by Ministry of Education, Science and Technological Development of the Republic of Serbia.

**Key words:** Space structure, gravity, supermassive black holes, gravitational lenses, dark matter, cosmology