Contribution ID: **59** Type: **not specified**

Shadows around at Sgr A* and M87* as a tool to test gravity theories

Friday, 5 November 2021 12:50 (30 minutes)

The shadow around the supermassive black hole in M87 was reconstructed in 2019 based on its observations with the Event Horizon Telescope in 2017. Recently polarization map for the M87* shadow was presented. We discuss opportunities to evaluate parameters of alternative theories of gravity with shadow observations, in particular, a tidal charge could be estimated from these observations.

Presenter: Prof. ZAKHAROV, Alexander (BLTP, JINR, Dubna, Russia)