

## **Seminar Fakulteta za fiziku**

Vrijeme: srijeda, 4. rujna 2024. u 12 sati

Mjesto: O-153, Fakultet za fiziku, Sveučilišni kampus, Radmile Matejčić 2

Jezik: engleski

### **Quasars and gravitational lensing**

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#### **Sažetak**

After an introduction to gravitational lensing we present results on several objects using the two techniques (a) photometry (b) spectroscopy. The data were obtained with different instruments, the most recent observations were made during a campaign in March 2024 at the Gran telescopio de Canarias (10.4m). It will be shown how such observations can be used as a diagnostic tool for the supermassive black hole, the accretion disc as well as for the narrow line region. This project is done in cooperation with C. Fian from the Universidad de Valencia and E. Mediavilla from the Instituto de Astrofísica de Canarias.