

**Seminarium Astrofizyczne**  
wtorek 19.11.2024 godz. 12:30  
ul. Pasteura 7, sala 404

transmisja on line  
<https://www.gotomeet.me/NCBJmeetings/seminarium-astrofizyczne>  
Password: AstroSemi

**Prof. dr hab. Łukasz Wyrzykowski**

**Professor**  
(NCBJ, BP4)

## **Time-domain Astrophysics as a tool for studying black holes and beyond**

**Abstract :** The Black Hole Target and Observation Manager (BHTOM, [bhtom.space](http://bhtom.space)) is a new platform for the coordination of time-domain observations. It accepts requests for targets for long-term or rapid photometric monitoring, such as transients, microlensing events, quasars, variable stars, and extrasolar planets, and collects data from a heterogeneous network of 120 telescopes from around the globe. The observations from the telescopes are automatically processed and standardised in BHTOM in order to provide science-ready data. I will present the system, its capabilities and the scientific results obtained so far. I will discuss how BHTOM can be utilized for photometric follow-up of targets and alerts discovered by Gaia, ZTF, ASASSN, and Rubin/LSST in the future.

Serdecznie zapraszam,  
Kishan Deha, on behalf of the SOC