

# SEMINÁŘE FÚ 2024

*Místo konání: Zasedací místnost ředitele, Fyzikální ústav, Bezručovo nám. 13, Opava, pokud není uvedeno jinak*

**Prof. Marek A. Abramowicz: Primordial black holes in the dark matter halo of our Galaxy,**  
7.5. 2024, 14:00

**Prof. Zdeněk Mikulášek: Nový typ hvězdné proměnnosti,** 23.5. 2024, 13:00

**Prof. Andrei Starinets: String theory, black holes and the quark-gluon plasma,** 30.5.  
2024, 13:00

**Prof. Andrei Starinets: : Convergence of hydrodynamic series and dual gravity,** 30.5.  
2024, 15:30

**Oleg Zaslavskii: Penrose process: new developments,** 3.6. 2024, 13:00

**Theodoros Nakas, PhD. : General algorithm for embedding 4D geometries in 5D  
braneworld models,** 24.7. 2024, 10:00

**Athanasios Bakopoulos, PhD. : Compact objects with primary hair in beyond Horndeski  
gravities,** 24.7. 2024, 14:00

**Prof. M. Falanga, série přednášek na téma “Selected aspects of high-energy  
astrophysics”**

- General introduction to selected aspects of high-energy astrophysics, 23.9. 2024, 10:15
- Definition for compactness, WD, NS and BH, 23.9. 2024, 11:15
- Stellar structure equations, Thermodynamic of non interacting relativistic and non-relativistic npe-gas, 24.9. 2024, 10:15
- Polytopic Equation of states for White Dwarfs, Chandrasekhar limit, 24.9. 2024, 11:15
- Equation of States for dense matter, 25.9. 2024, 10:15
- Pulsars, Mag. Dipol Radiation, magnetic field, Radio, Pulsar evolution, 25.9. 2024, 11:15
- Conditions for mass flow through an accretion disks or wind accretion, 26.9. 2024, 10:15

- X-ray millisecond pulsars, birth, evolution and death, 26.9. 2024, 11:15
- Relevant basic aspect of General relativity and Black holes, 26.9. 2024, 14:15
- Observing Black Hole and Gamma Ray Bursts, 27.9. 2024, 10:15
- Images of a Supermassive Black Hole, 27.9. 2024, 11:15