

## Gravitational waves and physics of compact objects

*Tuesday, 7 November 2023 10:50 (30 minutes)*

Gravitational-wave observations have delivered a lot of information about black holes and neutron stars. Although most features are consistent with our current understanding about standard physics, severe astronomical uncertainties leave the room of possible deviations. Future detectors with high sensitivity will also allow us to investigate more extreme conditions, e.g., ultrahigh density. In this talk, I will review current knowledge and discuss possible future directions.

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**Session Classification:** Astrophysics