



Contribution ID: 40

Type: **not specified**

## **New physics on the horizon? Testing the nature of dark compact objects**

*Tuesday, March 2, 2021 2:00 PM (1 hour)*

Gravitational-wave astronomy and new electromagnetic facilities allows us for unprecedented tests of the nature of dark compact objects and provide a novel way to search for new physics. I will give an overview of the many recent result in this area including, shadows, constraints on the multipolar structure, ringdown tests, gravitational-wave echoes, and tidal effects in binaries.

**Presenter:** Prof. PANI, Paolo (Sapienza University of Rome)