

Theoriekolloquium

Am **30. Juni 2022** um **14.15 Uhr** im Raum **W2 1-143** hält

Herr Dr. Eugen Radu (Aveiro)

einen Vortrag mit dem Titel

Black hole physics: from Microcosm to Macrocosm

With the recent detection of the gravitational waves and the observation of shadows, the study of Black Holes (BHs) has established as an important direction of research in modern physics.

In this talk we shall start by reviewing some history of the BHs, starting with their prediction already in 18th century and the discovery of such solutions in General Relativity. Various aspects which enter the BH physics will also be discussed, including the connection with thermodynamics and holography and the issue of higher dimensions. Finally, we shall review a number of recent results which provide further evidence for the BH existence, with emphasis on gravitational waves and shadows.

Interessierte sind herzlich eingeladen.

gez. Prof. Dr. Jutta Kunz