



EINLADUNG

Literaturseminar

zum Vortrag

von

Claudio Paganini

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über

„The Fingerprints of Black Holes- Shadows and their Degeneracies“

Abstract:

With the advent of the first picture of a black hole taken by the Event Horizon Telescope collaboration we entered a new age of black hole research. In my talk I will ask, how much information an observer can hope to retrieve, at best, from such observations.

First I will introduce the concept of the shadow of a black hole and what it means for the shadows of two observers to be degenerate. I will then show that no continuous degenerations exist between the shadows of observers at any point in the exterior region of any Kerr-Newman black hole spacetime of unit mass and hence all parameters can in principle be extracted from an observation.

Zeit: Donnerstag, 05.03.2020, 14.00

Ort: Arbeitsgruppe Gravitation, Währinger Straße 17,
Seminarraum 218, 2. Stock

gez.: P. T. Chruściel, D. Fajman