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E I N L A D U N G

im Rahmen des Seminars für Mathematische Physik

(Joint TU/UV Theory Seminar)

zum Vortrag von

Ángel RINCÓN

(University of Alicante)

über

"Quasinormal Modes of Black Holes in Classical and Alternative Theories of Gravity"

Abstract:

In this talk, we study neutral massless/massive scalar field perturbations around different black hole backgrounds in several dimensions. We reduce the problem to its Schroedinger-like form, obtain the effective potential, and then calculate the corresponding quasinormal modes. For well-behaved black holes, we take advantage of the WKB method to obtain the spectrum. As usual, the quasinormal modes depend on the parameters of the black hole, so by varying them we can see how their variations affect the Quasi Normal frequencies.

Zeit: Dienstag, 5.3.2024, 14:00h

Ort: Erwin-Schrödinger-Hörsaal, Fakultät für Physik, Boltzmanngasse 5, 5. Stock

gez.: S. Fredenhagen, D. Grumiller, T. Tran, A. Fiorucci