

Spectroscopy of magnetized black holes and topological stars

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We present results on the linear response of four dimensional magnetic black holes and regular topological stars arising from dimensional compactification of Einstein-Maxwell theory in five dimensions. We discuss the stability of these solutions under both radial and nonradial perturbations, both in the frequency and in the time domain.

Primary author: DIMA, Alexandru (Sapienza University of Rome)

Co-authors: MELIS, Marco (Sapienza University of Rome); PANI, Paolo (Sapienza University of Rome)

Presenter: DIMA, Alexandru (Sapienza University of Rome)

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