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Instability of Q-Hairy Black Holes

GW observations in the last decade have reinforced the Kerr BH paradigm, but these conclusions rely on waveform catalogs dominated by Kerr BH. Expanding the diversity of modeled sources is essential to uncover potential new physics. However, only bodies whose stability is known can become viable alternatives. Here, we study the stability of Q-hairy BHs, solutions in the Einstein-Maxwell-Scalar model that evade well-known uniqueness theorems.

Which topic best fits your talk?

Astrophysics

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