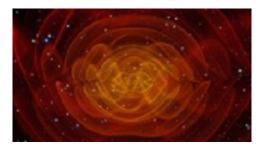
20th Capra Meeting on Radiation Reaction in General Relativity



Contribution ID: 17 Type: not specified

Transient Instabilities of Nearly Extremal Black holes

Tuesday, 20 June 2017 14:00 (25)

I will review recent work on the near-horizon perturbations of nearly extremal Kerr black holes. These perturbations experience transient growth, resulting in a "ring up" to strongly enhanced amplitudes. These transient instabilities connect directly to the slowly growing instabilities of extremal horizons, and may have observable consequences.

Primary author(s): ZIMMERMAN, Aaron (Canadian Institute for Theoretical Astrophysics)

Presenter(s): ZIMMERMAN, Aaron (Canadian Institute for Theoretical Astrophysics)