## Black Holes, Neutron Stars, and Gravitational Waves @ Black Sea



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## Quasinormal modes of charged and static wormholes

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In this talk we discuss the quasinormal mode (QNM) spectrum of charged and static wormholes, which is interesting for understanding gravitational-wave phenomena in this kind of objects. We compute the QNMs employing a spectral method, which allows us to study in a systematic way the properties of the modes as we vary the charges of the wormholes. We discuss several properties of the QNM spectrum, such as the different families of modes we find (gravitational, scalar and electromagnetic -led modes), isospectrality, excitations, comparison with the spectrum of the Ellis-Bronnikov wormhole, and stability under linear perturbations.

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