

Invited Speaker

Name: Nico Sanchis-Gual

Affiliation: Universidade de Aveiro

Title: Dynamical bosonic stars and gravitational waves

Abstract: Bosonic stars are theoretical exotic compact objects made of ultralight bosonic particles that could explain part of dark matter. In this talk, I will review some recent results on the stability and dynamical formation of these objects. Then I will talk about bosonic star mergers, the emission of gravitational waves, and what we could learn about them from a real gravitational wave event, if these stars exist in the Universe.