

The Relativistic Astrophysics Group at the University of Valencia (Spain) invites applications for two 4-year PhD positions in the areas of Gravitational-Wave Physics and Relativistic Astrophysics. The focus of the research will be on numerical-relativity simulations of binary neutron star mergers, exotic compact objects and fundamental fields, along with gravitational-wave modelling, searches and data analysis. The group comprises faculty members Pablo Cerda-Duran, Isabel Cordero-Carrion, Jose Antonio Font and Alejandro Torres-Forne, non-tenured faculty members Milton Ruiz and Nicolas Sanchis-Gual, postdoc Raimon Luna, and eight PhD students. The group is part of the LIGO-Virgo-KAGRA Collaboration, the Einstein Telescope Collaboration and of the LISA Consortium. We are seeking highly motivated candidates interested in developing tools and algorithms to characterize gravitational-wave sources based on current observations as well as in improving numerical techniques to perform accurate long-term simulations involving compact objects, such as black holes, neutron stars, boson stars and other exotic compact objects, to tackle challenging open issues in theoretical astrophysics, numerical relativity and fundamental physics.

These positions are open to candidates holding a bachelor degree in physics or equivalent issued by a non-European Union University. Eligible candidates must have obtained their degree after January 1st 2018. The successful candidates are expected to start their PhD on September 16, 2023, and have the master degree by the time the appointment starts.

Applicants should send a CV, a brief statement of research interests, and academic transcripts, before May 5th 2023, to Toni Font (j.antonio.font[AT]uv.es [1]) and Milton Ruiz (milton.ruiz[AT]uv.es [1]). Please also include the contact details of two potential referees. We aim to fill the positions as soon as possible.

The University of Valencia is an equal opportunity employer that is committed to diversity and inclusion encouraging applications from women and/or other underrepresented groups.

Toni Font and Milton Ruiz