

Special Issue

Neutron Stars and Gravitational Wave Observations

Message from the Guest Editors

The aim of this Special Issue is the presentation of the impact of gravitational wave observations on the understanding of neutron stars and dense matter physics and to provide a comprehensive update of the status of the art in the field. The collection aims to include contributions over a wide range of topics. From the point of view of gravitational observations, it will include topics related to the gravitational emission of binary neutron stars mergers; isolated and accreting neutron stars; and neutron star/black hole mergers. From the point of view of dense matter physics, it will include topics related to the equation of state of hot and dense nuclear matter; neutrino trapping and emission in neutron stars; and the role of “exotic” degrees of freedom (such as hyperons, meson condensates or deconfined quarks) on neutron star structure and on binary neutron star mergers.

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About the Journal

Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
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