

Special Issue

Exploring Low-Frequency Gravitational Wave Sources: Waveforms, Detection and Sciences

Message from the Guest Editors

Gravitational wave astronomy has been greatly developed since the first detection of gravitational waves in 2015. Various detection methods will realize multi-wavelength observation, including ground-based or space-borne interferometers and pulsar timing arrays. In particular, the latter two will open up a low-frequency range for observing gravitational waves, that is, 10–10–100 Hz. They will enable us to study gravitational wave physics in the unexplored parameter space of strain and frequency, and then deepen our understanding of gravitational waves. In this Special Issue we will be focusing on low-frequency gravitational wave sources, waveform templates, data analysis, pipeline software development, and gravitational wave astronomy and physics like as astrophysical environment, tests of gravity theories, cosmology, black hole physics and so on. The study of these and other related topics are the goal of this special issue, [...] For further reading, please follow the [link](#) to the Special Issue Website.

Guest Editors

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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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