



Gravitational Wave Detectors

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Message from the Guest Editors

Dear Colleagues,

The ground-breaking discoveries of gravitational waves in the last few years have triggered wide interest into this thriving field of research in diverse scientific communities. We are only at the beginning of exploring the rich science opened up by these discoveries, and their promise calls for ever better detectors that enable these measurements with greater sensitivity and across different frequency bands.

This Special Issue entitled Gravitational Wave Detectors, addresses the experimental part of the gravitational wave endeavor, covering all ranges, from ground-based laser-interferometers, that actually made the first detections, to ongoing and future projects on the ground and in space. The goal of this Special Issue is to provide readers with an overview of the existing and planned detectors working from the nano-Hertz to the kilo-Hertz frequency regime, and possibly beyond, including novel details that highlight the key technological developments.

With this Issue, covering all gravitational wave detectors, we intend to fill a gap and bring instrument technology into the focus of the thriving field of gravitational waves.





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Message from the Editorial Board

Galaxies provides an advanced forum for studies related to astronomy, astrophysics, and cosmology, including all of their subfields. Different formats, such as specialized research articles, reviews, communications and technical notes are welcomed. Manuscripts containing original and creative research proposals and ideas are especially appreciated.

We encourage scientists to publish their astronomical observations and theoretical results in as much detail as possible. There is no restriction on the paper length and full experimental and methodological details, as applicable, should be provided. All papers will be peer reviewed promptly. On behalf of the distinguished members of the editorial board, I extend my welcome to all researchers working on these subjects to contribute to *Galaxies*.

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