



universe

an Open Access Journal by MDPI



Gravitational Waves: Prospects after the First Direct Detections

Guest Editor:

Prof. Dr. László Árpád Gergely

Institute of Physics, University of
Szeged, 6720 Szeged, Dugonics
tér 13, Hungary

Deadline for manuscript
submissions:

closed (31 August 2020)

Message from the Guest Editor

Dear Colleagues,

We invite colleagues to submit contributions to the Special Issue, "Gravitational Waves: Prospects after the First Direct Detections", of the journal *Universe*, addressing both theoretical and observational aspects concerning the

1. first direct detections of gravitational waves,
2. future gravitational wave experiments,
3. strong-field gravitational waves in the geometrical optics approximation,
4. backreaction of gravitational waves,
5. gravitational waves as exact solutions of the Einstein equations,
6. gravitational waves in modified gravity theories,
7. observational and theoretical constraints on the speed and polarizations of gravitational waves,
8. astrophysics and cosmology with gravitational waves,
9. electromagnetic and high-energy cosmic ray counterparts of gravitational waves.

For further information, please visit http://www.mdpi.com/journal/universe/special_issues/gravitational_waves.

Prof. László Árpád Gergely
Guest Editor



mdpi.com/si/7431

Special Issue



universe



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lorenzo Iorio

Ministero dell'Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari, BA, Italy

Message from the Editor-in-Chief

The multidisciplinary *Universe* journal 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 editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Astronomy & Astrophysics*) / CiteScore - Q2 (*General Physics and Astronomy*)

Contact Us

Universe Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/universe
universe@mdpi.com
[X@Universe_MDPI](https://twitter.com/Universe_MDPI)