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Studies in Neutron Stars

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Deadline for manuscript submissions:

closed (31 March 2024)

Message from the Guest Editors

Neutron stars (NSs) are the only objects whose emission encompasses all the available multi-messenger tracers: electromagnetic waves, cosmic rays, neutrinos, and gravitational waves (GW). They are the only laboratories where we can study the most extreme phases of matter: not only can we probe extremes of gravity and electromagnetism, but also, strong and weak interaction can be studied in regimes that we cannot hope to explore on Earth. The study of these objects transcends the traditional astrophysical approach and requires a multidisciplinary effort that spans from particle and nuclear physics to astrophysics, from experiment to theory, from gravitational waves to the electromagnetic spectrum.

The purpose of this Special Issue is to collect new original contributions as well as reviews in the broad field of NS studies. We welcome contributions exploring all aspects of NSs, from theories to observations, [...].

For further reading, please follow the link to the Special Issue Website.



mdpi.com/si/167368

Special Issue



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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.

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