

# Special Issue

## Exotic Scenarios for Compact Astrophysical Objects

### Message from the Guest Editors

One of the most important problems of physics and astrophysics is the internal structure of compact objects, including neutron stars, boson stars, white dwarfs and compact dark objects as well. On the other hand, the accelerated improvement of the research, concerning the study of gravitational waves, has opened important perspectives to study the above theoretical predictions. We expect that in the near future, with the help of the detection of gravitational waves from events associated with compact objects (binary neutron star merger, various instability modes, etc.) and other observations including mainly the X-ray radiation and gamma-rays burst, the theoretical predictions and speculations will be able to be tested, providing us answers to some of the most fundamental problems of physics. The scope of the present Special Issue is to expose the above important problems and to highlight how they can be addressed both from the theoretical and observational point of view, [...] For further reading, please follow the [link](#) to the Special Issue Website.

### Guest Editors

Dr. Vlasios Petousis  
Prof. Dr. Charalampos Moustakidis  
Prof. Dr. Martin Veselsky

### Deadline for manuscript submissions

closed (31 December 2024)



# Universe

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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.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
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