



universe



an Open Access Journal by MDPI

Focus on Dark Matter

Guest Editors:

Prof. Dr. Maxim Y. Khlopov

Virtual Institute of Astroparticle
Physics, 75018 Paris, France

Prof. Dr. Antonino Marciano

Center for Field Theory and
Particle Physics and Department
of Physics, Fudan University,
Shanghai 200433, China

Prof. Dr. Andrea Addazi

Department of Physics, Sichuan
University, Sichuan 610017, China

Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

Dark matter is one of the basic cornerstones of the modern theory of structure, and the evolution of the universe and its physical nature is among the hottest topics of modern fundamental physics. At the microscopic level, dark matter should represent new stable forms of particles. Originating from the very early universe, it reflects the existence of processes, governed by the (unknown) laws of ultra-high energy physics. Being dominant in the matter content of the modern universe, it still remains enigmatic for its direct and indirect searches. We focus in this issue on the possible physical nature of dark matter in its relationship with physics beyond the standard model and physics of the very early universe and the ways to probe this nature in underground, collider, and cosmic ray experiments, as well as in astronomical and astrophysical data. We invite authors to contribute to this issue and to help us to make a step in the attempt to shed light on this dark side of the modern Universe.



mdpi.com/si/41780

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, Italy

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.

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 and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)

Contact Us

Universe Editorial Office
MDPI, Grosspeteranlage 5
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)