

## Special Issue

# Trends and Prospects in High Energy Physics

### Message from the Guest Editors

High-energy physics covers a wide area of modern physics. This includes particle and nuclear physics, astroparticle physics, cosmic rays, cosmology, and astrophysics. Studies in high-energy particle physics attract great interest; modern experiments such as those at LHC at CERN, and neutrino experiments, investigate the micro world to understand the basics of nature, to distinguish among existing theories, and to discover new features and new particles. Heavy-ion studies aim to investigate new states of matter and provide links between particle physics and astrophysics. Investigations into astroparticle physics, cosmic rays, and cosmology represent a broad range of studies, from investigations of particle creation to the creation of the universe. We invite original research articles and reviews on the above-described topics to contribute to this Special Issue. Keywords

- high-energy physics
- particle physics
- neutrino physics
- astrophysics
- heavy-ion physics
- astroparticle physics
- cosmology
- cosmic rays

---

### Guest Editors

Prof. Dr. Edward Sarkisyan-Grinbaum

Prof. Dr. Igor M. Dremin

Prof. Dr. Zurab Berezhiani

---

### Deadline for manuscript submissions

closed (30 June 2019)



## Physics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.8  
CiteScore 3.1

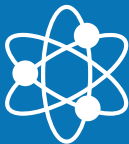


[mdpi.com/si/20916](https://mdpi.com/si/20916)

*Physics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[physics@mdpi.com](mailto:physics@mdpi.com)

[mdpi.com/journal/  
physics](https://mdpi.com/journal/physics)





# Physics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.8  
CiteScore 3.1



[mdpi.com/journal/  
physics](https://mdpi.com/journal/physics)



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Edward Sarkisyan-Grinbaum

1. Experimental Physics Department, CERN, 1211 Geneva 23, Switzerland
2. Department of Physics, The University of Texas at Arlington, Arlington, TX 76019, USA

---

#### Author Benefits

##### Open Access:

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

##### High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, INSPIRE, Astrophysics Data System, and other databases.

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.9 days after submission; acceptance to publication is undertaken in 20.7 days (median values for papers published in this journal in the first half of 2025).