

# Special Issue

## Instruments for Astroparticle Physics

### Message from the Guest Editor

It is our pleasure to announce this Special Issue devoted to instruments for astroparticle detectors. The focus will be on state-of-the-art instruments which meet the challenges of operation in space. We especially invite you to contribute papers on the following subjects:

- New ideas for space astroparticle detectors
- Calorimeters and spectrometers for space applications
- Particle identification subsystems, instruments, and algorithms
- Electronics amenable to space conditions
- Subsystems to control environmental parameters
- Simulation results for novel instruments
- Calibration methods and results
- Inflight calibration and performance

This is an excellent opportunity to get your new ideas on the map (and establish intellectual property at the same time), for selected contributed papers. Material from white papers can of course be used, if at peer-reviewable level.

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### Guest Editor

Prof. Dr. Martin Pohl

Département de Physique Nucléaire et Corpusculaire (DPNC),  
Université de Genève, CH-1211 Genève, Switzerland

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### Deadline for manuscript submissions

28 February 2025



## Instruments

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## About the Journal

### Message from the Editor-in-Chief

The realization of dedicated instrumentation has always been a collateral aspect of experimental research. In addition, many groups dedicate efforts and resources solely to the development of new devices, sensors, equipment and large infrastructure, theoretical and numerical studies, and novel experimental methodologies. With Instruments we wish to address both established and emerging communities, also to favor the creation of innovative trans-disciplinary approaches. We see Instruments as an exciting high-impact journal that will soon hold a leading position in disseminating cutting edge scientific and technological research.

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### Editor-in-Chief

Prof. Dr. Antonio Ereditato

Enrico Fermi Institute, The University of Chicago, Chicago, IL 60637,  
USA

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### Author Benefits

#### High Visibility:

indexed within Scopus, Inspec, CAPlus / SciFinder, INSPIRE, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.9 days after submission; acceptance to publication is undertaken in 7.2 days (median values for papers published in this journal in the first half of 2024).

#### Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.