



an Open Access Journal by MDPI

Research on Cosmic Rays and Their Impact on Human Activities

Guest Editors:

Prof. Dr. Roberta Sparvoli

Department of Physics, University
of Rome Tor Vergata, I-00133
Rome, Italy

Dr. Matteo Martucci

Department of Physics, University
of Rome Tor Vergata, 00133
Rome, Italy

Deadline for manuscript
submissions:

closed (10 October 2021)

Message from the Guest Editors

Dear Colleagues,

The cosmic ray spectrum extends over 14 orders of magnitudes in energy and about 12 in intensity.

The last few decades have seen a flourishing of new techniques applied to space science, with experiments taking center stage in the unveiling of the properties of cosmic radiation at low and high energy, and to ground experiments with combined hybrid techniques that have allowed investigating a plethora of phenomena—many of which are not well understood yet—affecting the lower portion of the energy spectrum, as well as capturing the rarest and most puzzling high-energy cosmic rays.

In this Special Issue, we invite submissions exploring the development of technology built for measuring the cosmic ray flux in different energy regimes, possibly highlighting how such technologies would help in studying, understanding and—hopefully in some cases—forecasting cosmic ray variations on multiple time-scales. Contributions can focus on platforms, detectors, algorithms, models, techniques or integrated monitoring systems. Survey papers and reviews are also welcomed.

Prof. Dr. Roberta Sparvoli

Dr. Matteo Martucci

Guest Editors



mdpi.com/si/52423

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)