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Solar Cosmic Rays

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Message from the Guest Editor

Dear Colleagues,

A large number of studies have shown that solar cosmic ray events are closely related to solar eruptive high-energy processes, such as solar flares, coronal mass ejections, reconnection, and dynamics of solar magnetic fields. Solar energetic particles may also produce a radiation hazard in space and influence the Earth's environment. Thus, monitoring and forecasting solar particle flux has become increasingly important. Although the study of solar cosmic rays has achieved great progress in recent decades, there are still many scientific topics to be deeply understood and explored, for example, acceleration and propagation mechanisms of solar energetic particles at the Sun and in the interplanetary medium. Today, we have large amounts of data available in different energy channels to do comprehensive studies for these unknown problems.

This Special Issue focuses on the current research status and future prospects of solar cosmic rays. Any related topics or new ideas beyond the current framework, be they theoretical, experimental, data analytical or other, are welcome.



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Special Issue



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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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