Special Issue

Cross-Disciplinary Footprints in Astro-Particle Physics

Message from the Guest Editor

Solar–terrestrial anomalies and mysteries are intriguing. We take as a prime example the 'strange' behaviour of the solar EUV, which carries out the following roles:

- Emits a huge excess above the ~6000K black body;
- Is the manifestation of the solar corona mystery;
- Follows the mysterious solar 11 years cycle;
- Does not corelate 100% with our dynamic atmosphere, as widely alleged;
- Also shows a planetary dependency.

Each case contradicts known physics. Digging into a mystery, like that of the solar emissions in the EUV, makes it more of a riddle, thus suggesting an exotic solution. The aforementioned five outstanding properties of the solar atmosphere have come up since the late 1930s. In this Special Issue, we are aiming to address more mysterious observations, which might be the manifestation from the dark universe. Ultimately, we are aiming to search for correlations between diverse cross-disciplinary mysteries. A common behaviour could point at a follow-up investigation.

Guest Editor

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

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