



## Anomalies and Tensions of the Cosmic Microwave Background

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### Message from the Guest Editor

Dear Colleagues,

With the recent release of the Cosmic Microwave Background (CMB) anisotropies of the Planck satellite, we entered in the era of the ‘Tension Cosmology’. Despite the fact that these measurements provided a strong confirmation of the LambdaCDM model, a few interesting tensions and anomalies are emerging. We can identify some internal inconsistencies present in the Planck data, and some external tensions with non-CMB datasets. All these anomalies can be due to systematics in the cosmological experiments, or more interesting, can be due to physics beyond the standard model.





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## Editor-in-Chief

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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.

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