



*symmetry*



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## Experimental Particle Physics

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Deadline for manuscript  
submissions:

**closed (10 April 2023)**

### Message from the Guest Editors

Dear Colleagues,

In the last decades, our knowledge of the phenomena occurring in elementary particle physics has continued to grow, building upon the gigantic work carried out by experimentalists and theorists alike related to intentional or unintentional exposure to engineered nanomaterials, as well as methods for the bio-degradation of engineered nanomaterials. This Issue aims to gather updates on the recent progress in this field, collecting contributions from scientists engaged at the forefront of this challenging area of research. At the same time, this Issue has a second purpose, i.e., to invite new proposals for alternative explanations of the phenomena not yet completely understood. Last, but not least, we intend to showcase bold proposals that might foster the development of a new era of progress and discovery in the not yet fully explored corners of high energy particle phenomena.



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# Special Issue



## 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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