Special Issue

The Symmetry of QCD Matter and Functional QCD Approaches

Message from the Guest Editors

This Special Issue is aimed to explore the phase structure of QCD matter and also attempt to find the explanation of its symmetry pattern and the underlying mechanism. The work may include (but is not limited to) the phase structure of QCD at finite temperature and also other conditions, the thermodynamic properties and also the global properties such as the spin structure and transport properties of QCD matter, the exotic and possible new phases such as the soliton phases, quarkyonic phase, and color superconductor phase, and the related symmetry and the properties.

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About the Journal

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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