



Aspects of Particle Physics and High Energy Physics- Dedicated to Zhengdao Li's 95 Anniversary

Guest Editors:

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Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Symmetry*, devoted to quantum field theory, elementary particle theory, nuclear physics, statistical mechanics, fluid mechanics, and astrophysics, is dedicated to Prof. Dr. Zhengdao Li's 95th birthday.

In 1956, in collaboration with Z. Yang, Li was encouraged by Wú Jiànxíóng and colleagues to carry out an experiment which would demonstrate the parity violation in weak decays, for which they were awarded the Nobel Prize in Physics in 1957.

In this Special Issue, we want to invite contributions on the subjects developed by Prof. Dr. Zhengdao Li. Personal recollections by people close to him are also welcomed.

As is apparent, Li's work covered all the primary areas of active work at present on Particle Physics and High Energy Physics. Therefore, we welcome contributions relating to gravity, cosmology, particle physics phenomenology and experiment, supersymmetry, and relativistic heavy ion collision physics.





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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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