



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

Guest Editors:

Prof. Dr. Tomohiro Inagaki

Prof. Dr. Alberto Ruiz Jimeno

Dr. Olga Kodolova

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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 Jiànxióng 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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Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-CSIC), C. Can Magrans s/n,
08193 Barcelona, Spain

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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Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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symmetry@mdpi.com
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