



an Open Access Journal by MDPI

Symmetry, Collider Phenomenology and High Energy Physics

Guest Editors:

Prof. Dr. Kamal Benslama

Department of Physics, Loyola University Maryland, 4501 N. Charles Street, Baltimore, MD 21210-2699, USA

Prof. Dr. Ketevi Assamagan

Physicist, Brookhaven National Laboratory, Upton, NY 11973, USA

Deadline for manuscript submissions: closed (31 December 2022)

Message from the Guest Editors

Recent experimental results, particularly those of the LHC, have completely transformed the status of particle physics and form the basis of future research directions. Believing that the Higgs boson discovery has completed our understanding of particle physics is too simplistic. On the contrary, much remains to be understood. In fact, a new era, in which we have direct experimental information regarding the physics behind the breaking of electroweak (EW) symmetry, recently begun. This breaking plays a fundamental role in our understanding of particle physics and sits at the high-energy frontier, beyond which we expect to explore uncharted territories that raise deep conceptual concerns theoretically.









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

 Institució Catalana de Recerca i Estudis Avançats (ICREA), Passeig Luis Companys, 23, 08010 Barcelona, Spain
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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*); Q1 (*Physics and Astronomy*); Q1 (*Computer Science*)

Contact Us

Symmetry Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/symmetry symmetry@mdpi.com X@Symmetry_MDPI