



Higher Order Radiative Corrections in QCD

Guest Editors:

Prof. Dr. Zoltán Trócsányi

Institute for Theoretical Physics,
ELTE Eötvös Loránd University,
1117 Budapest, Hungary

Dr. Adam Kardos

MTA-DE Particle Physics Research
Group, Debrecen University, 4010
Debrecen, Hungary

Dr. Giuseppe Bevilacqua

MTA-DE Particle Physics Research
Group, Debrecen University, 4010
Debrecen, Hungary

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

As QCD processes are ubiquitous in hadron collisions, such progress is indispensable in order that the accuracy of the theoretical predictions meet the requirements of experimental precision at the LHC. Clearly, the range of contributions relating to precision QCD is broad and highly specialized. Hence a Special Issue of review articles as well as original contributions that collects the state of the art about these topics with emphasis on comprehensiveness and methodical detail is timely and can be highly beneficial to foster further progress.

Symmetry is the underlying concept in the theoretical description of fundamental interactions. It is especially true in the case of strong interactions whose development has relied heavily on observing exact and approximate symmetries in hadronic systems. Exploiting the various symmetries present in the theory of QCD facilitates finding solutions to the highly complex dynamics.





symmetry



an Open Access Journal by MDPI

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.

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)

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
X@Symmetry_MDPI