



## Higher Order Radiative Corrections in QCD

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**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.





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## Editor-in-Chief

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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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