



symmetry



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Flavor Symmetry

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Message from the Guest Editor

Dear Colleagues,

Flavour physics is an important part of elementary particle physics. It has played an important role in the construction of the standard model. Flavour physics continues to play a large role, both in determining the parameters of the standard, and in putting limits on physics beyond the standard model. Symmetry has been a constant presence in interpreting data from flavour physics and understanding the theoretical concepts behind it. This Special Issue will concentrate on the uses of symmetry in flavour physics including isospin, chiral symmetry, $SU(3)_V$ symmetry, as well as heavy-quark symmetry and possible horizontal flavour symmetries. Models for quark masses, especially if based on underlying symmetries, and their effects on flavour physics are also included.

Prof. Dr. Johan Bijnens

Guest Editor



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Special Issue



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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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