



Advances in Quantum Field Theory and Applications

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Deadline for manuscript
submissions:
closed (30 April 2021)

Message from the Guest Editor

The aim of this Special issue is first to study some applications of quantum field theory in a broad sense and to explore the phenomenological theories that may lead toward a Grand Unification.

It is well-believed that quantum field theory represents the basic framework of particle physics and their interactions. Abundant fields of applications based on quantum field theory have been explored in theoretical physics, mainly in condensed matter physics and quasiparticles theory. Despite this triumph, the grand unification of the weak, strong, and electromagnetic interactions is still fruitless, and as a result, new phenomenological theories have emerged, such as supersymmetry, supergravity, string theory, canonical quantum gravity, and twistor theory.





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Message from the Editor-in-Chief

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