



Quantum Gravity Phenomenology and Experimental Implications

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 July 2017)

Message from the Guest Editor

Dear Colleagues,

The quantum theory of gravity is expected to give us a concrete picture of the origin and structure of the universe. Various attempts to formulate quantum gravity have been made in recent decades and formulating this theory remains one of the most important problems in physics. These attempts have included superstring theories, loop quantum gravity, non-commutative geometry, causal sets, etc. The main goal of this Special Issue is to provide a collection of state-of-the-art papers on these topics. We invite submissions related to experimental, theoretical or numerical works which provide concrete predictions of quantum gravity theories that can be tested in a laboratory or using cosmological and astrophysical observations.

- Quantum gravity
- Black holes
- Gravitational waves
- Dark matter and dark energy





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Message from the Editor-in-Chief

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