



New Trends in Quantum Physics and Quantum Information

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Message from the Guest Editors

Dear Colleagues,

As we approach one hundred years of quantum mechanics, there have been interesting new foundational and mathematical developments in the technological frontier of quantum information science. To name some examples, the exploration of the bridge between information theory and thermodynamics from nonequilibrium quantum aspects has drawn tremendous attention. These considerations are of particular interest in the context of black hole physics and gravitational wave physics. On the fundamental side, the incorporation of quantum reference frame transformation in the relativity principle has strong implications for quantum gravity. The Special Issue aims to promote exchanges on the general subject matter.

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