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Entropy in Quantum Systems and Quantum Field Theory (QFT)

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Message from the Guest Editor

Dear Colleagues,

In these last few years, a growing interest has been expressed for entropic and informational aspects of quantum systems. In particular, we know that the quantum entropy is an important index for non-local correlations and entanglement. Relaxation, dissipation, noise, and fluctuations in Quantum Open Systems and in Quantum Field Theory are concepts that run through all of Physics, from elementary particles to cosmology. This Special Issue o f *Entropy* is an invitation to scholars at deepening the theory and the applications of this important area of research.

Prof. Dr. Ignazio Licata
Guest Editor

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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