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Black Hole Information Problem: Challenges and Perspectives

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Deadline for manuscript
submissions:

closed (10 September 2025)

Message from the Guest Editors

The aim of this Special Issue is to further stimulate progress in the field of black hole information loss research and to collect articles and short reviews contributing to the development in this field. We welcome submissions on theoretical advancements in topics including but not limited to those mentioned below:

1. Hawking Radiation and Information Retrieval
2. Firewall Hypothesis
3. Soft Hair and Memory of Black Holes
4. AdS/CFT Correspondence and Holography
5. Quantum Error Correction in Quantum Information Theory
6. Black Hole Remnants
7. Quantum Tunneling and Information Recovery



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Special Issue



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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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