Special Issue

Neutrino Oscillations and Interactions

Message from the Guest Editor

Neutrino oscillations represent the first unambiguous evidence for physics beyond the Standard Model, revealing that neutrinos have mass. This discovery continues to drive diverse experimental and theoretical research. We invite contributions that span the full scope of this field. Topics of interest include precision measurements of oscillation parameters (□12, □23, Δm221, Δm231), the ongoing quest to resolve neutrino mass ordering and constrain the CP-violating phase, advances in the theory of neutrino interactions and electron scattering, and investigations of sterile neutrinos, non-standard interactions (NSIs), and other new physics. We welcome submissions from all experimental frontiers, including accelerator, reactor, atmospheric, and solar, as well as theoretical studies on lepton interactions, the mechanisms of neutrino mass generation, the origin of mixing patterns, and the interplay between these findings and cosmological observations. Our goal is to capture the current state of the art and progress being made in neutrino physics while illuminating a path toward the field's exciting future.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

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