Special Issue

Nuclear Issues for Neutrino Physics

Message from the Guest Editor

Different aspects of nuclear physics play key roles in other fundamental physics topics, from both theoretical and experimental perspectives. In particular, the structure of atomic nuclei has an ever-growing role in the fields of neutrino physics, astrophysics and dark matter physics. The aim of this Special Issue is to collect contributions for a discussion on the experimental and theoretical aspects of topics in the intersection of nuclear and neutrino physics. The topics to be discussed include the following: nuclear double beta decays, nuclear structure in connection with neutrino physics, nuclear reactions as a probe for weak decays, neutrino–nucleus interaction at low and high energy, supernova models and detection of supernova neutrinos, solar models and detection of solar neutrinos, direct and indirect dark matter searches, rare beta decays of nuclei for neutrino-mass measurements, and new related detection technologies.

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

Prof. Dr. Lorenzo Iorio
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