THE EVOLUTION OF THE MAJORANA NEUTRINO
MASS RENORMALIZATION GROUP
IN THE SUPER-WEAK THEORY

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The super-weak interaction includes three simple extensions of the Standard Model: gauge, fermionic, and scalar. All of these extensions are strongly influenced by their complex phenomenology. They can explain a number of unresolved questions in particle physics and cosmology, including the genesis of dark matter, cosmic inflation, asymmetry of matter and antimatter, neutrino masses, and vacuum stability, if combined into a single structure. This is an extension of the gauge group of the Standard Model $G_{SM}$ by $G_{SM} \otimes U(1)_Z$ without any anomalies. We investigate the implications of the development of a general Majorana mass renormalization group for neutrinos with masses in the range between 0.03 and 0.1 eV, which fall within the recently published range as well as the range to be explored in future planned experiments.

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