

Overview of Nuclear Beta Decay Tests of Fundamental Symmetries

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We will present an overview on the present status and outlook of experiments using nuclear beta decays to search for new physics.

At the low-momentum transfers associated with nuclear beta decays, phenomena associated with new physics at high-energy scales can show up as right-handed or chirality-flipping (tensor or scalar) currents, all absent in the Standard Model. We will describe ongoing experimental efforts, future perspectives in the field, and the needs from nuclear structure theory to carry out the program.

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