

Crystal Based Double beta decay Experiments

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Observation of $0\nu\beta\beta$ would determine an absolute mass scale for neutrinos, prove that neutrinos are massive Majorana particles (indistinguishable from their own antiparticles), and constitute physics beyond the Standard Model. There are several experiments based on cryogenic crystals that try to find evidence on this reaction. A review of the current state of the field and the plans for the future will be presented.

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