

# The Origin of Neutrino Masses and Neutrinoless Double Beta Decay

*Monday, 9 September 2013 15:00 (40 minutes)*

The theoretical and phenomenological impact of recent results on the lifetime of neutrinoless double beta decay from KamLAND-Zen, EXO-200 and GERDA is discussed. In particular, the compatibility of the limits on the decay of Xenon and Germanium is investigated.

The possibility of double beta decay mechanisms different from light Majorana neutrino exchange is stressed. Typically these mechanisms are at the TeV-scale in order to saturate current limits on the lifetime, and recent results on their testability are presented.

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