ID de Contribution: **56** Type: **Non spécifié**

NEMO3

vendredi 7 mars 2008 19:25 (15 minutes)

The NEMO3 experiment is designed for the search of neutrinoless double beta decay. Located in the Laboratoire Souterrain de Modane (Modane Underground Laboratory), the detector accomodates 10 kg of double beta emitters, including about 7 kg of 100Mo and 1 kg of 82Se. The NEMO3 detector also allows to perform the measurement of the half-life of two-neutrino double beta decay for 7 isotopes. No evidence for neutrinoless double beta decay has been found, but a lower limit on the half-life of the neutrinoless double beta decay can be obtained, and thus an upper limit on the effective Majorana neutrino mass. The most recent results for 150Nd will be presented.

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Classification de Session: Neutrinos, Cosmic rays, astroparticles