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CUPID

Content

CUPID, the CUORE Upgrade with Particle Identification, is a next-generation experiment to search for neutrinoless double beta decay using ^{100}Mo enriched scintillating bolometers. With a conservative background index of 10^{-4} counts/keV/kg/yr, 240 kg isotope mass, 5 keV FWHM energy resolution and 10 live-years of data taking, CUPID will have a 90% C.L. half-life exclusion sensitivity of $1.8 \cdot 10^{27}$ yr, corresponding to an effective Majorana neutrino mass sensitivity of 9-15 meV. The talk will review the status of the experiment that is under construction at the Laboratori Nazionali del Gran Sasso in Italy.

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