

PROSPECTS IN LOW MASS DARK MATTER



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DARK MATTER [AND NEUTRINO] PHYSICS WITH SUB-KEV GERMANI-UM DETECTORS

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Germanium detectors with sub-keV sensitivities offer a unique opportunity to study neutrino interactions and properties as well as to search for light WIMP Dark Matter. The TEXONO and CDEX Collaborations has been pursuing this research program at the Kuo-Sheng Neutrino Laboratory (KSNL) in Taiwan and in the China Jinping Underground Laboratory (CJPL) in China. We will present highlights of the detector R&D program which allow us to experimental probe this new energy window. The results, status and plans of our dark matter program will be discussed.

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