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Low-Mass Dark Matter Searches with Sub-keV Germanium Detectors

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Germanium detectors with sub-keV sensitivities offer a unique opportunity to probe low-mass WIMP Dark Matter, where there is an intense interest inspired by possible allowed regions indicated by the CoGeNT experiment. The TEXONO-CDEX Collaboration has been pursuing such research program at the Kuo-Sheng Neutrino Laboratory (KSNL) in Taiwan and in the China Jinping Underground Laboratory (CJPL) in China. In this presentation, we will focus on commissioning of the 1-kg-class experiments at CJPL, as well as the latest status, results and plans of the analysis.

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