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Cryogenic phonon-scintillating bolometer technology and applications

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The low temperature detector based on phonon detection has the advantages of high energy resolution, low energy threshold and low background. This makes it become one of the most competitive detection techniques for searching for neutrino frontier physics, including neutrinoless double beta decay, coherent elastic neutrino-nucleus scattering, neutrino mass, etc. This talk will focus on cryogenic phonon-scintillating bolometer technology and its applications related to neutrinos.

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