KEK Theory Meeting on Particle Physics Phenomenology (KEK-PH2018 winter) and 3rd KIAS-NCTS-KEK workshop on Particle Physics Phenomenology

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Cosmic neutrino searches as decaying dark matter detectors

Thursday, 6 December 2018 09:30 (30 minutes)

The dark matter (or some of it) could exist in a form that decays to neutrinos at cosmologically late times. Proposed experiments searching for the cosmic neutrino background, such as PTOLEMY, could be sensitive to this scenario. We discuss the signals allowed at such an experiment given cosmological constraints.

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Session Classification: Plenary Session