

Accelerator-based Neutrino Experiments at Short Baselines

Monday, 20 May 2019 17:20 (20 minutes)

The discovery of a light sterile neutrino would have profound implications for particle physics, astrophysics, and cosmology. A number of anomalous neutrino measurements at short distances may be indicative of the active neutrinos mixing to at least one sterile flavor. A worldwide program, involving reactor, source, and accelerator-based experiments is currently underway and searching for these possible new oscillations. This talk will provide an overview and status of this crucial experimental effort, with a focus on accelerator-based searches. The impactful non-oscillation physics and R&D associated with these experiments will also be covered.

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Session Classification: Neutrinos: Models, Phenomenology, Experiments

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