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Neutrino Results from Accelerators

MICHAEL KORDOSKY, William and Mary

Observations of neutrinos created in the Sun, the Earth's atmosphere, reactors and accelerators provide strong evidence that neutrinos undergo quantum mechanical mixing between their flavor states (electron, muon and tau) as they propagate. This interpretation, referred to as "neutrino oscillations", demands that neutrinos have mass and requires extensions to the Standard Model of particle physics. I will describe the status of accelerator based measurements of neutrino oscillations including recent results from experiments in the United States, Europe and Japan. Oscillation experiments observe neutrinos when they interact and I will touch on current efforts to accurately and comprehensively measure neutrino cross-sections. I will close with some comments on the sensitivity we can expect from future experiments.