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Future Neutrino Oscillation Sensitivities for Long-Baseline Experiments MATTHEW BASS, DANIEL CHERDACK, ROBERT WILSON, Colorado State University — Long-baseline neutrino experiments have the ability to measure the parameters of the mixing matrix that describes neutrino oscillations. Projecting the sensitivity of current and future experiments to these parameters plays a critical role in planning the next generation of experiments. After a brief introduction to neutrino oscillations preliminary, future sensitivity projections from a combined analysis for the Tokai to Kamioka (T2K), NuMI Off-Axis Electron-neutrino Appearance (NOνA), and Long-Baseline Neutrino (LBNE) experiments will be presented with particular emphasis on the methods used and the ability of these experiments to constrain the oscillation parameters.

Matthew Bass
Colorado State University

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