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A Simulation-Based Study of T2K Alignment and Focusing Components JORDAN WEBSTER, University of Rochester — The T2K neutrino oscillation experiment is scheduled to begin commissioning in 2009. The experiment uses a simulation of the neutrino beam to produce predictions of the relationship between observed events in the near (control) detector and the far detector, Super-Kamiokande. This correction is affected by the alignment of focusing components in the beamline. We report on the results of a simulation-based study of special studies with the near neutrino detectors which could be used to measure this alignment in situ.

Jordan Webster
University of Rochester

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