

Abstract Submitted  
for the APR11 Meeting of  
The American Physical Society

**The ND280 Near Detectors of the T2K Experiment**<sup>1</sup> WILLIAM COLEMAN<sup>2</sup>, Louisiana State University — The Tokai to Kamioka (T2K) experiment long-baseline neutrino oscillation experiment is designed to improve the sensitivity to  $\theta_{13}$  and to determine more accurately the “atmospheric” parameters  $\theta_{23}$  and  $\Delta m_{23}^2$ . For this purpose a high intensity  $\nu_\mu$  beam ( $\sim 700$  MeV peak energy) produced at the JPARC accelerator complex is directed towards the Super-Kamiokande (SK) detector at a distance of 295 km. An off-axis near detector (ND280), 280 m from the production target, measures the energy spectrum, flavor content and neutral and charged current interaction rates of the unoscillated neutrino beam which are key sources of systematic uncertainty. Here I discuss the status of the ND280 near detectors and how they contribute to our ability to understand and constrain these systematic uncertainties.

<sup>1</sup>Work supported by the U.S. Department of Energy

<sup>2</sup>for the T2K collaboration

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Date submitted: 14 Jan 2011

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