

Drexel U. - Postdoc
Experimental Neutrino Physics

Postdoctoral Researcher
Drexel University
Experimental Neutrino Physics

The experimental particle physics group at Drexel University invites applications for a postdoctoral researcher position. The group is actively involved in the Double Chooz and KamLAND experiment and participates in the development of a future Long Baseline Neutrino Experiment (LBNE) from Fermilab to the new underground laboratory DUSEL. The successful candidate will be expected to take a leading role in the Double Chooz data analysis and contribute to the calibration of the Double Chooz detectors. Candidate will also be involved in the simulation design and R&D effort for the LBNE.

The Double Chooz experiment is designed to search for the unknown neutrino mixing parameter θ_{13} . Double Chooz will start data taking in the Fall-Winter 2010. The Drexel group has major responsibilities for the full volume calibration and electronics of the Double Chooz and is participating in data analysis. KamLAND is a reactor neutrino experiment that is also sensitive to geo-neutrinos.

Formal requirements are a Ph.D. or equivalent degree in experimental particle physics or related discipline. Candidates should have good programming skills. Experience with C++, ROOT and GEANT 4 is necessary.

The position is open from October 2010 or at a negotiated time and screening of applications will commence on September 1st, 2010. Position is open until a candidate is selected. Salary and title will be commensurate with qualifications and experience.

For further information and to apply, send an e-mail to Dr. Jelena Maricic (jelena@physics.drexel.edu). Applicants should also submit a CV, bibliography, statement of research interests, and names of three professional references to Human Resources at www.drexeljobs.com/applicants/Central?quickFind=74027.

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