

Field of interest: hep-ex hep-ph nucl-ex

Experiment: JSNS²

Deadline: 2019-02-15

Region: North America

Job description:

The Spitz group at the University of Michigan (Ann Arbor) is searching for a postdoc to work on the study of neutrino interactions and oscillations with the JSNS² experiment in Japan.

The J-PARC Sterile Neutrino Search at the J-PARC Spallation Neutron Source (JSNS²) experiment will use a liquid scintillator detector to study decay-at-rest neutrinos from muons and kaons. The muon-induced antineutrinos (0-53 MeV) will provide a direct test of oscillations beyond the three-neutrino paradigm and the monoenergetic kaon-induced neutrinos (236 MeV) will be used to deliver a set of unprecedented cross section and nuclear probe measurements. JSNS² will begin taking data in late-2019.

The postdoc hire, ideally based in Ann Arbor, will contribute to the overall experiment through design, hardware, simulation, reconstruction, and data analysis. In particular, the Michigan group is working to deliver the DAQ system for JSNS² and the hire will be expected to take on a leading role in this effort.

To Apply

To apply, please send a CV and research statement to spitzj@umich.edu. Also, please arrange for at least 3 reference letters to be sent to the same email address by the deadline.

Additional information

Review of applications will begin immediately. The position will remain open until filled.

Legal information

The candidate must successfully complete background screening. The candidate must be eligible for employment in the United States at the time of the start date. Continued employment is contingent on maintaining valid immigration status. The University of Michigan is an equal opportunity/affirmative action employer.

Women and minorities are encouraged to apply.

Contact: Prof. Joshua Spitz

Website: umich.edu/~spitzj

Application materials should be sent to: spitzj@umich.edu