The JINA Center for the Evolution of the Elements (JINA-CEE) at Michigan State University (MSU) is seeking a highly qualified individual as postdoctoral fellow to work on nuclear astrophysics data evaluation and dissemination.

JINA-CEE is a multi-institutional NSF Physics Frontiers Center focusing on research at the intersection of astrophysics and nuclear physics. The center brings together nuclear physicists, astrophysicists, and astronomers to address open questions related to the origin of the elements and the properties of nuclear matter in neutron stars. JINA-CEE consists of a unique network of four core institutions (MSU, Arizona State University, University of Notre Dame, and University of Washington) and 22 associated institutions in seven countries.

The research activities of the successful candidate will focus on evaluating experimental and theoretical nuclear data, supplementing experimental information with theoretical calculations, and the development and dissemination of data products such as astrophysical reaction rates needed for astrophysical applications. Very close collaboration with nuclear experimentalists, nuclear theorists, and astrophysicists across the JINA-CEE network is required. The successful candidate will also collaborate closely with nuclear data evaluators within the US Nuclear Data Program, in particular with the evaluators located at Michigan State University.

The position is located at Michigan State University in East Lansing, Michigan, USA and initially limited to 1 year, though subsequent reappointments are possible. The position requires a PhD in nuclear physics, nuclear and radiochemistry, astronomy, or a related field. The preferred candidate should have some theoretical or experimental experience related to nuclear astrophysics data. An asset, but not required will be past experience with evaluating experimental nuclear data for astrophysical purposes, with producing nuclear astrophysics data sets, with data dissemination, and/or with some of the theoretical tools used to analyze and complement experimental data to obtain astrophysical rates. The position provides an excellent opportunity for a candidate with a background in nuclear science or nuclear astrophysics to start a career in nuclear data evaluations and management.

Interested candidates should upload a CV and cover letter addressing previous experience in relation to the above stated responsibilities at http://www.careers.msu.edu/ (search for the posting **520502** and follow the application process) and arrange for three letters of reference to be sent directly to:

Prof. Hendrik Schatz
Michigan State University
NSCL
640 S. Shaw Lane
East Lansing, MI 48824, USA
Preferably by e-mail to: schatz@nscl.msu.edu

For questions about the position please contact directly Prof. Hendrik Schatz via e-mail at schatz@nscl.msu.edu

Review of applications will begin on August 31, 2018.

MSU and JINA-CEE are committed to achieving excellence through cultural diversity. We actively encourage applications and/or nominations of women, persons of color, veterans and persons with disabilities.

Michigan State University is an Affirmative Action, Equal Opportunity employer.