Post Doctoral Research Associate Collinear Laser Spectroscopy BECOLA/NSCL/MSU

The National Superconducting Cyclotron Laboratory (NSCL) is seeking highly qualified individuals as post-doctoral fellows in experimental nuclear science. Specifically, NSCL is looking for individuals who are interested and have experience in the laser probing of low-energy beams of stable and/or rare isotopes. Candidates should hold a Ph.D. in experimental nuclear physics, nuclear chemistry, atomic physics, or a closely related field. The successful candidate will apply pulsed laser techniques to rare isotopes in support of our Stewardship Science Academic Alliance grant funded by the National Nuclear Security Administration. The work will be completed in collaboration with Oak Ridge National Laboratory (ORNL), and the successful candidate will spend some portion of their appointment at ORNL. The successful candidate will also contribute to the overall research activities in collinear laser spectroscopy at the BECOLA facility (http://groups.nscl.msu.edu/becola/).

The NSCL is the forefront facility in the United States for nuclear science with rare isotope beams and is in the process of developing new research capabilities with stopped and reaccelerated beams. In addition, MSU has been selected by the U.S. Department of Energy to design and establish the Facility for Rare Isotope Beams (FRIB). Research at the NSCL addresses key questions concerning the creation of the elements in the cosmos, the limits of nuclear stability, the properties of nuclei with very unusual neutron-to-proton ratios, and the equation of state of neutron-rich nuclear matter as it may exist inside neutron stars.

Interested individuals should send a CV and arrange for three letters of reference to be sent directly to Prof. Remco Zegers, NSCL, Michigan State University, East Lansing, MI 48824 or e-mail to zegers@nscl.msu.edu. Reference to the "laser spectroscopy" post-doctoral position should be included in the cover letter. Review of applications will continue on a rolling basis until the position is filled.

MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and person with disabilities. Michigan State University is an Affirmative Action, Equal Opportunity employer.