

There will be a postdoctoral position available in the Symmetry Energy Group (<http://groups.nscl.msu.edu/hira/sep.htm>) headed by Professors Betty Tsang and Bill Lynch at the National Superconducting Cyclotron Laboratory, Michigan State University. The new postdoc is expected to be involved with building the **SAMURAI Time-Projection-Chamber** to be used in experiments to explore the Nuclear Equation of State of Asymmetric matter with heavy ion collisions at RIKEN. The results of these experiments will have important implications on studies of the symmetry energy in the Facility for Rare Isotope Beams (FRIB), a \$550 M project to be built at Michigan State University.

The successful candidates will be an integral member of the HIRA research group, (<http://groups.nscl.msu.edu/hira/>) at NSCL and will also be involved in the other research activities with the group. These activities include exploring the symmetry energy using heavy ion reactions at NSCL, GSI and RIKEN, as well as an active program to study nuclear structure and reaction mechanisms using transfer reactions with rare isotope beams. The successful candidate must have the potential to acquire new working knowledge quickly, good problem solving skills and is motivated to learn about properties of nuclear matter. The following skills are desired but not required: knowledge and experience in using GEANT4 simulations, ROOT analysis, gas detectors, FPGA programming, TPC design and electronics. If desired, the successful candidate will have the opportunities to teach and to mentor graduate and undergraduate students.

Interested person should contact Prof. Betty Tsang at [tsang@nscl.msu.edu](mailto:tsang@nscl.msu.edu).