

Research Associate position in the SpiRIT TPC collaboration at MSU

The Symmetry Energy group at the National Superconducting Cyclotron Laboratory (NSCL), Michigan State University, is seeking a postdoctoral fellow to work primarily on the SAMURAI Pion-Reconstruction and Ion-Tracker (S π RIT), a Time Projection Chamber (TPC) to be used within the gap of SAMURAI dipole magnet. The *S π RIT* collaboration is an international effort to constrain the nuclear symmetry energy around twice the saturation density.

The successful applicant must have a strong background in data analysis using ROOT, and knowledge and experience in using GEANT4. Skills or experience in TPC electronics, is desired but not essential.

We are preparing the first S π RIT TPC experiment in RIKEN, Japan. The results of these experiments will have important implications on the properties of neutron stars and the studies of the symmetry energy and exotic nuclei. This is an exciting time to join our group. Interested person should contact Prof. Betty Tsang (tsang@nscl.msu.edu).