



## Postdoctoral Fellowship in Experimental Nuclear Science at Indiana University, Bloomington

DEPARTMENT OF  
CHEMISTRY

A postdoctoral fellowship is presently available with the many-body nuclear dynamics group at Indiana University, Bloomington. The group is presently involved in investigating nuclear reactions ranging from sub-Coulomb barrier energies to intermediate energies. The successful candidate will be expected to take a leading role in the analysis of existing data as well as the planning and execution of upcoming experiments. Candidates are expected to have experience with modern nuclear instrumentation and data analysis techniques.

The Many-Body Nuclear Dynamics group is situated at the Center for the Exploration of Energy and Matter (CEEM) on the campus of Indiana University, Bloomington. Superb technical facilities on campus allow us to develop novel detectors and electronics that we then bring to bear on the research questions of interest. We utilize external accelerator facilities (GANIL, Michigan State, HRIBF, Texas A&M) to conduct experiments with both stable and radioactive beams that probe near and sub-barrier fusion of neutron-rich light ions and the density dependence of the nuclear symmetry energy. More information about the group can be found at <http://nuchem.iucf.indiana.edu>.

Candidates are required to have a Ph.D. in nuclear science (chemistry or physics) or expect to defend their Ph.D. thesis in the near future. A competitive salary along with a benefits package will be offered. Interested candidates should send a cover letter, curriculum vitae, together with the names and contact information of two potential references to Prof. Romualdo de Souza at [deSouza@indiana.edu](mailto:deSouza@indiana.edu). Review of applications will begin immediately and continue until the position is filled.

Indiana University is an equal opportunity, affirmative action employer.

DEPARTMENT OF CHEMISTRY

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