

DEPARTMENT OF  
CHEMISTRY

## Postdoctoral position in Nuclear Science at Indiana University, Bloomington

A postdoctoral fellowship is presently available with the many-body nuclear dynamics group at Indiana University, Bloomington. The group conducts experimental research in low and intermediate energy nuclear reactions with an emphasis on the topic of near and sub-barrier fusion reactions using radioactive beams. To pursue our research we conduct experiments at various accelerator facilities worldwide including MSU-NSCL (Michigan State University) and GANIL (Caen, France). At Indiana University we design, construct, and test the detector and electronic systems that make these measurements possible. Upcoming approved fusion experiments at MSU-NSCL and GANIL are the present focus of the research program. The successful candidate will be expected to take the lead role in all aspects of group activities from the design of new instrumentation to execution of the experiments and analysis of the resulting data. Candidates are expected to have expertise in using modern nuclear instrumentation as well as experimental and data analysis techniques. A strong background in instrumentation is essential. Experience with advanced simulation and analysis tools is desirable.

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 and execute a high caliber research program. More information about the group can be found at <http://nuchem.iucf.indiana.edu>.

Candidates are required to have a Ph.D. in nuclear/particle science (physics or chemistry) 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 <http://indiana.peopleadmin.com/postings/4684> or email the documents to Prof. Romualdo deSouza at [deSouza@indiana.edu](mailto:deSouza@indiana.edu). Applications received by October 23, 2017 will be given full consideration.

The College of Arts and Sciences is committed to building and supporting a diverse, inclusive, and equitable community of students and scholars.

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Indiana University is an equal opportunity, affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.