



Postdoctoral Fellow Position in Nuclear Structure Physics Department of Physics & Astronomy University of the Western Cape, Cape Town, South Africa

An immediate opening is available for a 2 years Post-Doctoral Fellow position at the University of the Western Cape (UWC). The candidate will be involved in our Coulomb-excitation, lifetime and β -decay programs ongoing at iThemba LABS (Cape Town) and HIE-ISOLDE (CERN). The scientific goal is elucidating timely topics in nuclear structure physics and nuclear astrophysics by determining transitional and diagonal matrix elements. The candidate should be dynamic, enthusiastic and possess excellent communication, writing and computing skills (C++ and ROOT are prerequisites). Previous experience in radioactive ion beam facilities is necessary – in particular, experience working at REX-ISOLDE and MINIBALL will be advantageous. The Nuclear Physics and Nuclear Astrophysics Group at the University of the Western Cape is composed of over 50 members, mainly black South African students (Honours, MSc and PhD levels) from historically disadvantaged backgrounds. The motivation of working in such an enthusing environment at UWC and iThemba LABS, and the excitement of living in the beautiful city of Cape Town presents a superior opportunity.

Specific responsibilities will include:

- ✓ Student training, i.e, support with computing and hands-on skills
- ✓ Setting up experiments at iThemba LABS and HIE-ISOLDE
- ✓ Learning Coulomb-excitation theory and applications (e.g., GOSIA)
- ✓ Proposing your own experiments

For further inquires regarding the job description and benefits please contact Prof. Nico Orce at jnorce@uwc.ac.za. Interested parties should submit an application that includes a cover letter, a detailed CV, and the contact details (email and phone number) of 3 references. The review of the applications will start on March 1, 2016.



UWC Department of Physics & Astronomy
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