

Post-Doctoral Position for ENSAR2 European Project/ EURISOL JRA at IPNO-ALTO

A post-doctoral position is opened in the frame of the Beamlab task within the ENSAR2/EURISOL JRA workpackage related to beam developments at IPNO (Institut de Physique Nucléaire Orsay). Duration: 18 months. Beginning contract: between December 1st 2017 and February 1st 2018. Gross salary: 2605 €

The successful candidate will be under French CNRS contract. He/She should have a recent PhD in an area related to ion beam development (Thick targets and/or ion sources). There are no citizenship requirements.

The ALTO Facility is a Transnational Access Facility (TNA) within the ENSAR2 contract. It produces stable and radioactive beams. The radioactive beams are produced by the ISOL method within the ALTO-PARRNe facility. This facility will extend the research towards regions of very exotic nuclei. It is based on a linear electron accelerator (50 MeV, 10 μ A) dedicated to the production of neutron rich radioactive beams by photofission of a thick uranium carbide target coupled to the mass separator. The target and ion source group continuously strives to increase the variety and intensity of the beams to satisfy the user requirements. IPNO has been involved in many European R&D programs such as EURISOL DS, SPIRAL2 PP, ENSAR/Actilab and recently ENSAR2/Beamlab.

The post-doctoral fellow will join this team and work on R&D for the improvement of the targets and ion sources and on the development of new beams. He/She will also be expected to document and publish results, prepare periodic reports for the ENSAR2 contract and to collaborate internationally with other laboratories in the field of radioactive ion beam delivery. Collaborations are already active on these subjects with CERN-ISOLDE, GANIL, and LNL-SPES in Italy.

Our ideal candidate is a highly motivated, effective team player with a recent PhD in accelerator physics or related experimental physics, with previous experience working in a similar laboratory environment. In addition, he/she will have an appropriate knowledge of interactions of particles in matter, including a good understanding of the functioning of ion sources, and must be familiar with modern control systems. Basic knowledge of nuclear physics to understand production mechanisms and properties of radioactive ions is essential, as are strong oral and written communication skills which enable effective teamwork and collaboration. Technical skills are welcome.

Please note that this position will require you to have the flexibility to occasionally work irregular hours.

IPN is a French national laboratory funded by CNRS and University of Paris Sud (Paris Saclay), located in the Orsay Faculty of Sciences campus, 20 km south of Paris, easily reachable by regional trains (35 minutes). Information on IPN Orsay and ALTO can be found at ipnwww.in2p3.fr and information on ENSAR2 at <http://www.ensarfp7.eu/>.

Interested persons may contact

Dr. Maher CHEIKH MHAMED at cheikh@ipno.in2p3.fr to obtain further information if desired.

Candidates should send a motivation letter, a detailed CV and arrange to have 2 letters of recommendation sent by e-mail to Maher CHEIKH MHAMED.

Applications will be accepted until 2017-09-30. The application PDF files can be written in English or French.