European Organization for Nuclear Research
Organisation européenne pour la recherche nucléaire

Open PhD Position and CERN Fellow in Experimental Nuclear Physics at ISOLDE

The recently formed EIBT-LS collaboration currently offers openings for a PhD position and one CERN Fellowship in experimental nuclear physics.

The EIBT-LS is based on a new type of **ion trap for laser spectroscopy of short-lived radioactive nuclides**. While preserving the high resolution of conventional collinear laser spectroscopy, this novel approach promises substantial gains in experimental sensitivity in order to study the most exotic nuclides available at contemporary radioactive ion beam facilities such as ISOLDE at CERN. This project is supported by an ERC Starting Grant.

The successful candidates will participate in the design, construction, and commissioning of the novel apparatus as well as the first online measurements. Their work at CERN will hence combine the fields of ion traps, laser spectroscopy, and the science for short-lived radionuclides.

The EIBT-LS group at CERN is closely linked to collaboration partners at the University of Greifwald, the University of Heidelberg, and the Technische Universität Darmstadt. The successful PhD candidate will be affiliated to one of these universities.

Interested candidates for these positions are invited to contact
Stephan Malbrunot-Ettenauer (stephan.ettenauer@cern.ch)

Candidates for the PhD position should furthermore submit their applications at
https://jobs.web.cern.ch/join-us/doctoral-student-programme
under the project code 'EP6282'. The CERN doctoral student programme is open for applications twice per year. The next open call has its deadline on 12 April 2017.