LUNDS UNIVERSITET

VACANCY ANNOUNCEMENT

2008-01-14

Reference number
PA 2008/36

Naturvetenskapliga fakulteten
Fysiska institutionen

Lund University announces the following vacancy:

POSTGRADUATE STUDENTSHIP in

Physics

at the Department of Physics, Science Faculty

Reference number: 36
Starting date: May 1st 2008
Information: Dr Joakim Cederkäll, +46-46 22 27685, Prof Claes Fahlander +46-46-22 20332, Dr Peter Ekström (dean of postgraduate studies), +46-46 222 0196
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Trades unions at Lund University: OFR, SACO and SEKO

Project description
Postgraduate studies in nuclear physics. Information about the research division is available at www.nuclear.lu.se

Project title: *Experimental nuclear structure physics*

The project concerns experimental studies of exotic atomic nuclei far from the line of beta stability with the purpose to improve our understanding of these weakly bound many-body systems. The experiments are performed in international collaboration at large-scale accelerator laboratories in Europe. The experimental data collected in these experiments are analysed at Lund University using dedicated software. The analysis and the subsequent interpretation of the result are the primary aspects of the PhD project. In this context the aim is also to maintain a strong cooperation with the local theory group at the department of mathematical physics at Lund University.

The dominating experimental method used in the experiments is a combination of high-resolution gamma ray spectroscopy and the detection of the charged particles that are involved in the reaction process. The experiments require the construction of new position sensitive detector systems based on the latest technological developments within this field. One further aspect of the PhD project will be to participate in this development.

Qualifications
A Master's degree in physics or equivalent is required. For detailed requirements and the selection criteria see the general study plan for physics: http://www.naturvetenskap.lu.se/upload/LUPDF/natvet/FU/Studieplan/E-Physics.pdf .

Regulations concerning the appointment of postgraduate students can be found in The Higher Education Act and Ordinance Chapter 5, 1-7§§ and SFS 1998:80. See also the admission regulations at www.science.lu.se/o.o.i.s/4964 . The candidates will be selected from among the qualified applicants based on their ability to carry out postgraduate studies.

In addition to pursuing postgraduate studies, postgraduate students maybe required to perform other duties – including teaching, research and administration – according to the specific regulations in The Higher Education Act and Ordinance.

The university is striving for a more even gender balance amongst postgraduates. Since most postgraduate students within the faculty are men, applications from women are encouraged.

Applications are to be made on a specific application form (Application for admission to postgraduate studies and for a study grant), which can be found on the faculty's web site: www.science.lu.se/o.o.i.s/2319 . The reference number of the vacancy announcement must be written on the application.

The application must reach the Registrar, Lund University, PO Box 117, SE-22100 LUND, Sweden, **not later than Wednesday March 12th 2008**. All submitted documents must be attested as to their authenticity.

If the applicant so requests, the application will be returned, at the earliest two years after the position has been legally filled (Riksarkivets föreskrifter, RA-FS 2004:1 2 §).

On behalf of the Department of Physics

Birgittta Warhed
administrator