



LUNDS
UNIVERSITET

Faculty of Science
A. Lindahl

PUBLIC NOTICE

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Lund University announces an opening for an

ASSOCIATE SENIOR LECTURER IN EXPERIMENTAL HIGH ENERGY PHYSICS

at the division for Experimental High Energy Physics, the Department of Physics

Lund University is one of Europe's leading universities, combining centuries of tradition with dynamic development and cutting edge competence. Areas of education and research include technology, science, law, social sciences, economics, medicine, humanities, theology and performing arts. The university has around 38 000 students and 5 300 employees.

Lund University is an active member of the leading international networks League of European Research Universities (LERU) and Universitas 21, and is one of twelve academic institutions within the Øresund University. We also collaborate with many other universities and research centres worldwide.

The division for Experimental High Energy Physics at the Department of Physics is a research intensive division deeply involved in international collaborations and working closely with theoretical physics, e.g. with a joint graduate school. The division has four professors, three lecturers, two research assistants, three research engineers and seven graduate students.

Basic facts for the position

Ref nr: 3339

Date of appointment: As soon as possible according to agreement

The latest day for application: November 28, 2008

Labour unions at Lund University: OFR, SACO och SEKO

Information on the position: Professor Torsten Åkesson, Torsten.Akesson@hep.lu.se, tel +46 708-102873

Information on the terms of employment and the application process: Senior personnel officer Anders Lindahl, 046-222 40 32 or e-mail: Anders.Lindahl@kanslin.lu.se

In addition to the general rules of the University, the following requirements and preferences apply:

Description

The appointment is initially limited to four years, but can be made permanent following an evaluation procedure.

The successful candidate is expected to play a key role in the research and supervision of graduate students in the energy frontier particle physics program at Lund University, with

the main emphasis on the ATLAS experiment at the LHC. On a longer time scale there would also be some activity on the build-up of a post-LHC preparation, e.g. the LHC upgrade or research at a future linear collider.

The applicant is expected to demonstrate creativity in his/her research.

The applicant should have capacity to take on the role as Principal Investigator.

The position is primarily for research and supervision of graduate students. Some undergraduate teaching could also be required.

Qualifications

To be eligible for an appointment as associate senior lecturer, a person must, according to Chapter 4, Sekt 8a of the Higher Education Ordinance (SFS 1998:1003), have successfully completed a PhD degree or have corresponding scientific competence in a relevant subject area. A person who holds a foreign degree that is deemed equivalent to a doctorate shall be qualified for appointment as associate senior lecturer.

Priority should be given to candidates who have completed their degree no more than five years before the last date for applications. Candidates who have completed their degree earlier than this should receive equal priority if special grounds exist for example leave of absence because of sickness, parental leave and other similar circumstances.

We are looking for a researcher with high competence in data analysis in experimental high energy physics, for example at previous collider experiments.

The applicant should have a doctoral degree in physics. Publications in leading international peer reviewed journals, postdoctoral experience and experience from international research collaborations are important merits.

Potential to obtain research grants in strong competition is also a merit.

The associate senior lecturer is expected to enter a good collaboration in the international physics groups of the ATLAS collaboration while taking initiative to and conducting independent analysis that complement and deepen the research.

The associate senior lecturer is expected to take initiative to collaboration with theoretical physics at the University and elsewhere.

The associate senior lecturer should have a good ability to supervise and teach graduate students and undergraduate students and to contribute to the renewal and development of the courses.

Regulations for evaluation of qualifications for teaching positions are given in *chapter 4 sekt 15 Higher Education Ordinance (SFS 1998:1003)*, in *Lund University Teacher Appointment Regulations*, (http://www3.lu.se/pers/Regler/aolu02_en.pdf) and in the Strategic plan of Lund University (http://www.lu.se/upload/LUPDF/Om_LU/Strategicplan_2007_2011.pdf).

The University strives to achieve an even gender balance. Therefore, applications from women, as well as from men, are encouraged.

Evaluation of merits for promotion to a permanent position as senior lecturer:

An associate senior lecturer shall on application be promoted to a permanent position as senior lecturer, if he or she is qualified for such an appointment and is in addition deemed suitable in the light of the grounds of assessment established by the institution for promotion to senior lecturer.

The assessments for promotion to a permanent position are:

- Well documented scientific competence or other skills important for the subject of the position or the tasks included.
Commentary: The Faculty of Science will place great emphasis on the applicant having been appointed to docent (habilitation).
- Well documented pedagogical skills.
Commentary: The Faculty of Science will place great emphasis on the applicant having shown interest for pedagogical development, for example by attending classes in university teaching, and an ability to teach in Swedish and English.
- Good standing as a scientist, nationally and internationally.
Commentary: The Faculty will, with consideration to the character of the subject, place great emphasis on the ability to successfully apply for research grants from national and/or international funders.
- Ability to advise graduate students.
Commentary: When judging the ability to advise students, the Faculty will also place emphasis on the ability to advise master's theses.
- Ability to develop, lead and carry out education and research,
- Good academic leadership abilities and other personal abilities of importance for the position.
- Ability to interact with society and inform on research and development.

An application for promotion to a permanent position as senior lecturer is to be submitted to the relevant teacher's appointment board **at the latest 8 months** before the appointment as associate senior lecturer ends. The application for promotion is to be judged by the teacher's appointment board after acquisition of the opinion of at least two experts on the subject.

Required contents of the application:

The Faculty Board has specified instructions for the application and its accompanying documents. These can be found at the internet address:

<http://www.naturvetenskap.lu.se/o.o.i.s/11729>

<http://www.naturvetenskap.lu.se/o.o.i.s/11728>

They can also be obtained from *kansli N, Anders Lindahl, Box 118, 221 00 Lund* or

E-mail: Anders.Lindahl@kanslin.lu.se

By commission

Anders Lindahl