

## SWEDEN

### New Funding Mechanism

It is fairly unusual that a major new instrument for funding science appears on the horizon. But this is the case for Sweden's Foundation for Strategic Research, which in the words of I. Lindgren, its Executive Director, is "a great idea that offers a chance to do something new". The previous government established before leaving office a series of foundations to distribute each year for 20-25 years some 10% of the proceeds resulting from payments by industry to a fund set up about 10 years ago to promote development.

Remarks by the newly elected government to wind up the foundations and divert the funds to social needs are unlikely to take root as these steps would require new legislation. However, discussion is needed to ensure that other funding channels are not affected.

The Foundation for Strategic Research is the largest of the new foundations and it has some 600 MSKR to distribute each year in three principle activities (information technology, biosciences and basic technology). Each area is run by a committee, but proposals in all areas must be approved by the Foundation's Board which includes among its 11 members, two physicists and three members from outside Sweden. Programmes will target specific topics, be mainly university-based, and typically involve 20 MSKR for 5 years with significant amounts of graduate studies and basic research involved. Several hundred thousands of SKR have already been distributed equally between the three areas as planning grants to prepare proposals. There is, in principle, formally no close coupling with the European Union's Framework programme (as a way to "lever" funding), although the international context is considered in evaluating proposals.

### Adding Value with Electronic Publishing

Paris, 2-3 March 1995

Several different strategies are being adopted in electronic publishing, and decisions will influence not only the way physicists access information but also their role in the entire publishing chain.

The Publications Committee of EPS at its last workshop on electronic publishing aimed to harmonize implementations of Document Type Definition Tables (DTD) used by the Standard Generalized Mark-up Language (SGML) to define the structure of articles.

The "physics" DTD, released recently by the International Standards Organisation as an ISO Standard, has been adopted by some publishers. The workshop, in seeking ways to generalize the trend, will ask publishers to summarise developments. A round-table discussion following presentations by leading authorities covering databases, electronic journals, preprint servers, networks, and browsers will then consider the interest to authors in "adding value" by submitting SGML texts.

Participation is limited and by invitation only. If you are interested in participating, please contact: Franck Laloë, Laboratoire Kastler Brossel, Département de Physique, ENS, 24, rue Lhomond, F-75005 Paris Cedex [tel.: +33-1-47 07 54 13; fax: +33-1-45 35 00 76; e-mail: laloe@physique.ens.fr].



UNIVERSITY OF LUND – DEPARTMENT OF PHYSICS  
Sölvegatan 14, S-223 62 Lund, Sweden

### Professor in Experimental Nuclear Physics

Applications are invited for a permanent position as Full Professor in Experimental Nuclear Physics at the Institute of Physics, University of Lund. The Institute has besides undergraduate programmes, five research divisions belonging to the Faculty of Mathematics and Natural Sciences and four research divisions belonging to Lund Institute of Technology, covering nuclear and particle physics, atomic physics and solid state physics.

The position, on the Faculty of Mathematics and Natural Sciences, is vacant from **January 1, 1996**.

Experimental nuclear physics at the Division is at present conducted in laboratories in Scandinavia (Uppsala and Risø, Denmark) as well as on the continent (CERN, GSI and GANIL) and in the USA (Brookhaven National Laboratory). One group studies high spin physics and is involved in the development of the NORDBALL and EUROBALL systems; a second group is leading an intermediate energy heavy-ion physics collaboration, working mainly at The Svedberg Laboratory (CELSIUS) in Uppsala, while a third group is taking a leading role in a relativistic energy heavy-ion physics programme at SPS and LHC at CERN and at RHIC (Brookhaven). There is an exceptionally good collaboration with researchers at the Institutes of Theoretical Physics at the University of Lund, including Theoretical Nuclear Structure Physics and Theoretical Elementary Particle Physics and Field Theory. A long-established network of collaboration also exists with physicists at NORDITA and the Niels Bohr Institute in Copenhagen.

The Institute is seeking an internationally recognized physicist to lead and conduct research in, and teaching of, experimental nuclear physics. It is required that the candidate has made important contributions to his or her own field of research and has documented experience in building up complex experiments. The successful candidate is expected to conduct teaching at both pre- and post-graduate levels.

Applications should include a *curriculum vitae* giving evidence on which the evaluation of the applicant's scientific and teaching qualifications can be based. Further, a complete list of publications, and one copy of each publication referred to therein, as well as four copies of each of the ten publications which the applicant selects as the most relevant for the application, are required.

Applications should be addressed to the Rector of Lund University, P.O. Box 117, S-221 00 Lund, Sweden and marked "13160". The deadline for the receipt of all application material is **January 11, 1995**.

For further information on salary, research and teaching duties, staff, laboratory and other facilities, please contact: The Chairman of the Institute of Physics, Docent Bengt Lörstäd, Telephone +46 46 10 76 70 or +46 46 10 76 90, Fax +46 46 10 47 09, E-mail: bengt.lorstad@quark.lu.se.



### INFN - ITALIAN INSTITUTE FOR THE PHYSICS OF MATTER

Post-graduate and post-doctoral fellowships (from 6 to 24 months) are available at the Italian Institute for the Physics of Matter-INFN. The research activities will be carried out in two national laboratories or in one of the 37 Research Units in Italy with possibilities of collaboration with international facilities (e.g., ESRF-Grenoble, ELETTRA-Trieste, LLB-Orphée), in one of the following fields:

– PHYSICS OF MATTER: Condensed Matter Physics; Quantum Electronics and Optics; Computational Physics; Laser Physics and Technology; Plasma Physics; Biophysics and Materials Science (Ref. PL940259)

– THEORETICAL AND COMPUTATIONAL PHYSICS OF MATTER (Disordered Systems and Systems with Complex Geometry; Phase Transitions and Criticality; Strongly Correlated Electrons and High-Temperature Superconductivity; Quantum Simulations) (Ref. PL940866)

Candidatures, with *curriculum vitae* and list of publications, should be sent - by **November 20, 1994** - to: INFN - Via dell'Acciaio 139, 16152 Genova, Italy  
[Tel. +39 (10) 652 01 56, Fax +39 (10) 650 63 02, E-mail: nicoletta@infmge.ge.infn.it].

### POSTDOCTORAL POSITION

in experimental studies of solid-state lasers, and laser spectroscopy

*Institute for Laser Technology*  
**OSAKA, JAPAN**

The Institute for Laser Technology invites applications for a postdoctoral position in early-1995. Our research interests include solid-state lasers, high-intensity femtosecond lasers, laser spectroscopy, and their applications. Applicants should send a letter of application, resume, statement of research interests, and three letters of recommendation to Director Prof. C. Yamanaka, Institute for Laser Technology, 2-6 Yamada-oka, Suita Osaka 565, Japan.