

RECRUITMENT

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DESY is a leading laboratory in particle physics and synchrotron radiation research with locations in Hamburg and Zeuthen. The Laboratory in Zeuthen (near Berlin) invites applications for the position of an

Experimental Physicist

The candidate is expected

- to take a leading role in the research program of the HERMES experiment at HERA
- to be able to co-ordinate hardware projects and the operation of large detector components
- to actively participate in shaping the future research program of DESY

Applicants should have a PhD in physics, several years of experience in the field of experimental particle physics and be active in the research of this field. They should have an established record in both software and hardware for larger particle physics detectors. Excellent communication skills and the ability for leading larger collaborative efforts are essential.

The appointment will be indefinite with a salary according to the German civil services tariff BAT-O lb.

Letters of application including a curriculum vitae, list of publications and the names of three referees should be sent to:

DESY Zeuthen, Personalabteilung
Platanenallee 6, D-15738 Zeuthen
by April 15, 2000

Handicapped applicants will be given preference to other applicants with the same qualification. Women are especially encouraged to apply.

Cornell University

Laboratory of Nuclear Studies

RESEARCH ASSOCIATE SUPERCONDUCTING RF TECHNOLOGY

We anticipate an opening for a Research Associate to work on the development, and operation of the Superconducting RF systems for the Cornell electron-positron colliding beam facility, CESR. Over the next few years, the major activities for the Laboratory will be the operation and upgrade of CESR with the goal of substantially improving the luminosity. R&D is in progress on major components such as superconducting cavities, high power input couplers, high power windows, higher order mode loads, cryostat, refrigeration, instrumentation, and controls.

This is a three-year appointment with the expectation of renewal, subject to mutual satisfaction and the availability of funds under our NSF contract. A PhD in physics or engineering is required with experience in some of the areas outlined above. Further information about SRF activities can be found on <http://www.lns.cornell.edu/public/CESR/SRF>. Please send an application with curriculum vitae and arrange for at least two letters of references to be sent to:

Dr. Hasan Padamsee, Cornell University, Newman Laboratory, Ithaca, NY 14853-5001. e-mail to: search@lns.cornell.edu

Cornell University is an equal opportunity, affirmative-action employer.

DSM - DAPNIA

CEA Saclay, Department of Astrophysics, Particle Physics, Nuclear Physics and Associated Instrumentation

The Department of Astrophysics, Particle Physics, Nuclear Physics and Associated Instrumentation (DAPNIA) is involved in number of research programmes throughout the world. For its developments in electronics, it invites applications for a:

RESEARCH ENGINEER ANALOG ELECTRONICS

The successful candidate will be in charge of designing front-end electronics and systems for the various detectors under development in DAPNIA. Responsibilities include definition of the specifications of the system along with the physicists involved in the experiment. Leading the development work, the successful candidate will follow the realisation of the prototypes, insure their commissioning, and take part in the implementation of the system on the experimental site. Applicants should have an expertise in the various fields of electronics. Experience and interests in analog electronics, in the fields of small signals and low noise are required.

Contact: François DARNIEAUD CEA - Saclay, DSM / DAPNIA / SEI
91191 Gif sur Yvette CEDEX, France
tel: +33 (0)1 69 08 30 19 fax: +33 (0)1 69 08 31 47
e-mail: darnieaud@dapnia.cea.fr



RESEARCH FELLOW AND POSTGRADUATE STUDENT POSITIONS

The Sensors, Instrumentation and Radiation Effects group has a position for an Experimental Particle Physicist (RA1A) to work on a PPARC Opportunity project. This project involves the modelling and measurement of Wakefields and studies of Machine Background Sources at a future linear collider. A Ph.D in experimental particle physics is required. The project will require the Fellow to be based at Stanford Linear Accelerator Center. **Informal enquiries to Dr Adrian McKemey on: mckemey@SLAC.Stanford.EDU**
Ref. No. R11171. Closing date: 1 MAY 2000

The European TMR Network on Defect Engineering of Advanced Semiconductor Devices has several postdoctoral positions available at institutions throughout Europe. This project is studying radiation effects in silicon for detectors at the LHC and due to ion-implantation. The Network works on many topics including defect analysis, defect modelling, radiation damage measurements and radiation hard detector development. Research fellow and possibly postgraduate student positions are available. Further details may be found on the TMR Webpage at <http://www.brunel.ac.uk/research/ENDEASD/>
Ref. No. R07251.

Brunel University exists to provide high quality education and research of use to the community

Research Fellows at Brunel University are employed on the RA1A scale. The salary is currently in the range £16286 to £24479 plus a London Weighting of £1462 per annum and will be dependent on age and experience.

Enquiries to Prof. Steve Watts at the Department of Electronic and Computer Engineering +44 1895 203356 or by email to ecehod@brunel.ac.uk

U.S. DEPARTMENT OF ENERGY

EXCEPTED SERVICE POSITION

SENIOR TECHNICAL ADVISOR FOR HIGH PERFORMANCE COMPUTING

EJ-1550-V

OFFICE OF SCIENCE

OFFICE OF HIGH ENERGY AND NUCLEAR PHYSICS

\$105,566 - \$130,200 per annum

VACANCY ANNOUNCEMENT NUMBER: ETR 00-EXC-50-002

The U.S. Department of Energy is seeking applicants for the Excepted Service position of Senior Technical Advisor for High Performance Computing within the Office of High Energy and Nuclear Physics in the Office of Science. The incumbent provides expert scientific advice and detailed technical analyses to the Associate Director for the evaluation of research programs, facility operations, and their associated resources to attain a planned course of action for the overall High Energy and Nuclear Physics, High Performance Computing mission. The scope of the incumbent's advisory responsibilities includes providing scientific judgment, program and strategic planning, policy development, budget formulation, and the measurement of program performance by peer review and other metrics. The incumbent serves as the recognized authority and expert in DOE in diverse areas of High Energy and Nuclear Physics, High Performance Computing.

Please refer to DOE Vacancy Announcement ETR 00-EXC-50-002 which can be accessed via the Internet at

<http://www.hr.doe.gov/pers/doejobs.htm>

for specific instructions on how to apply for this position. Applicants must comply with the instructions that are in the vacancy announcement in order to be eligible for consideration. Announcements can be mailed to you by calling 301-903-1577.

Applications must be postmarked no later than May 8, 2000, and should be sent to the U.S. Department of Energy, Executive Resources Division, Room 4E-084, 1000 Independence Avenue, SW, Washington, DC 20585.

The Department of Energy is an equal opportunity employer.

Five Year Fellowship in Experimental High Energy Nuclear Physics

The Lawrence Berkeley National Laboratory's Nuclear Science Division is seeking a person with outstanding promise and creative ability in the field of experimental high energy nuclear physics. The appointment will be as Divisional Fellow for a term of five years with the expectation of promotion to Senior Scientist, upon successful review. The successful candidate will have several years of experience beyond the Ph.D. in nuclear or particle physics and is expected to assume a leadership role in the Relativistic Nuclear Collisions (RNC) Program at LBNL.

The RNC group has a leading role in the STAR experiment at the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory. The group currently has a strong physics program in nucleus-nucleus collisions at RHIC. Candidates having an interest in all aspects of RHIC physics, including spin, are encouraged to apply.

Applicants are requested to e-mail (our preferred method) a CV, list of publications, statement of research interests, and the names of at least four references to: employment@lbl.gov (no attachments, please), no later than May 31, 2000. Reference job number NS011700/JCERN in your cover letter. Or mail to: Lawrence Berkeley National Laboratory, One Cyclotron Road, MS 937-0600, Berkeley, CA 94720. Or fax: (510) 486-5870. Visit our website at: www.lbl.gov. Berkeley Lab is an AA/EEO employer.



POSITIONS IN ACCELERATOR PHYSICS

at

**MICHIGAN STATE
UNIVERSITY**

The National Superconducting Cyclotron Laboratory (NSCL) at Michigan State University is seeking several highly qualified accelerator physicists or engineers to join the Accelerator Physics Group. We seek to strengthen specific areas related to high-intensity beam dynamics and superconducting rf technology.

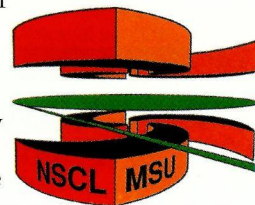
The NSCL is presently upgrading its facility to increase the intensity of primary heavy-ion beams in the 10-200 MeV/nucleon energy range by several orders of magnitude and produce world-unique secondary beams of rare isotopes for research in nuclear physics and nuclear astrophysics with scheduled completion mid-2001. A design effort for an accelerator system of an advanced rare isotope accelerator facility capable of producing high intensity (>100 kW) primary beams from hydrogen to uranium with energies per nucleon up to at least 400 MeV will be the primary emphasis in the near term.

Accelerator physicists and engineers with specific and extensive experience in the general areas of particle beam dynamics and superconducting rf accelerating systems are sought. Priority is given to applicants with experience in one or several of the following areas: space-charge dominated beams; RFQ design; linac dynamics particularly for heavy ions; superconducting accelerating cavity characterization, design, and fabrication; superconducting accelerating cavity rf system design and implementation including appropriate stabilizing rf feedback systems.

Depending on the successful applicants' qualifications, appointments will be made at any of three ranks in the NSCL Continuing Appointment System that approximately parallels the university tenure stream faculty system (see CA Handbook at <http://www.msu.edu/unit/facrecds/policy/nscl01.htm>). Interested individuals should send a CV and arrange for three letters of reference to be sent directly to:

**Professor Richard York,
National Superconducting Cyclotron
Laboratory, Michigan State University
East Lansing, MI 48824-1321.**

For more information, see our website
at <http://www.nscl.msu.edu>.



MSU is an equal opportunity/affirmative action institution.

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UNIVERSITY OF
OXFORD

Physics Department

Post-doctoral Research Positions

The physics department at the University of Oxford invites applications for four post-doctoral research positions in the areas of particle physics and particle astrophysics:

Post RA-01: The Sudbury Neutrino Observatory is a large, heavy water detector based in Canada which is currently taking data expected to solve the longstanding solar neutrino problem. Key to this is the understanding and suppression of radioactive backgrounds and ability to detect neutrons produced by neutral current interactions. We seek an individual to perform and further develop radiochemical assay techniques for the water system and to take responsibility for implementing the initial neutral current detection method, involving the introduction of highly purified salt to the detector. The candidate would be expected to spend at least 30% of their time on site in Sudbury, Ontario. A PhD in either physics or chemistry is required. Preference will be given to individuals with experience in measurement of low-level radioactivity and/or radiochemical techniques.

Post RA-02: An experiment is being undertaken to measure the flux of muons at high altitudes using a small detector to be flown on commercial aircraft. The measurements will be essential input to new calculations (also being undertaken in this department) of the neutrino fluxes used to extract neutrino mixing parameters from the results of underground experiments such as Soudan 2 and SuperK. The successful applicant will have a strong interest and proven ability in experimental hardware and electronics. Initially he or she would be expected to work on the design and construction of the apparatus but will have the opportunity to participate in all aspects of the measurements. The candidate should have, or be about to obtain, a PhD in Particle Physics or related field.

Post RA-03: MINOS is a long-baseline neutrino oscillation experiment using two detectors: one at Fermilab and one based in northern Minnesota. The candidate is expected to contribute to the development, implementation and maintenance of the MINOS off-line system. They should also have demonstrated excellence in physics analysis, as they are expected to lead the Oxford efforts towards the analysis of MINOS data. The exact role would depend on the candidate's interest and experience and could also include working on the MINOS test beam program or electronics. Some contribution to detector installation is expected. A PhD in particle physics or a related field is required.

Post RA-04: LHCb is an experiment to study CP violation in the B system at the LHC. It will probe the parameters of the unitarity triangle to test the Standard Model and search for new physics beyond. The successful candidate will be expected to work primarily on the development of the LHCb Ring Imaging Cherenkov detectors. Responsibilities are expected to include development of RICH counter single photon detection techniques at LHC readout speed and the associated data acquisition, the optimization of the RICH detectors, and the development of the RICH reconstruction software. In addition, the successful candidate will be expected to take a leading role in the preparation of CP violation physics. The candidate should have, or will shortly be about to obtain, a PhD in elementary particle physics.

Starting salaries are in the range £16,286 - £24,479 p.a., depending on experience. These posts are funded by PPARC for a period of two years in the first instance. Further particulars for all posts may be obtained at <http://www.physics.ox.ac.uk/jobs/> or from Mrs S Geddes, Nuclear & Astrophysics Laboratory, Keble Road, Oxford OX1 3RH, fax: +44 (1865) 273418, e-mail: S.Geddes1@physics.ox.ac.uk. Letters of application, including a description of research experience, a statement of interest, Curriculum Vitae and the names of three referees should be sent to the above address. Applicants should ask their referees to send references directly to Mrs Geddes by the closing date 30th April 2000.

The University is an Equal Opportunities Employer.

RWTH RHEINISCH-
WESTFÄLISCHE
TECHNISCHE
HOCHSCHULE
AACHEN

In der Fakultät für Mathematik, Informatik und
Naturwissenschaften/Fachbereich 1, ist eine

Universitätsprofessur (C3 BBesG) für Physik (Theoretische Elementarteilchenphysik) (Nachfolge G. Roepstorff)

zu besetzen.

Bewerberinnen oder Bewerber sollen im Bereich

„Theoretische Elementarteilchenphysik“

arbeiten und dieses Fach in Forschung und Lehre vertreten.

Eine Zusammenarbeit mit bestehenden theoretischen und experimentellen Gruppen der Elementarteilchenphysik ist erwünscht.

Zu den Lehrverpflichtungen gehört die Beteiligung an der Ausbildung in der theoretischen Physik.

Einstellungsvoraussetzungen sind Habilitation oder gleichwertige wissenschaftliche Leistungen sowie pädagogische Fähigkeiten.

Die Bewerbung von Schwerbehinderten ist erwünscht

Die RWTH strebt eine Erhöhung des Anteils der Frauen in Forschung und Lehre an. Bewerberinnen und Bewerber werden gebeten, sich mit den üblichen Unterlagen (Lebenslauf, Darstellung des wissenschaftlichen bzw beruflichen Werdegangs, Schriftenverzeichnis) bis zum

15. Mai 2000 an den Dekan der Fakultät für Mathematik, Informatik und Naturwissenschaften der RWTH, Templergraben 64, D-52056 Aachen, zu wenden.



MAX-PLANCK-INSTITUT FÜR PHYSIK (Werner-Heisenberg-Institut) München

The Max Planck Institute for Physics in Munich is seeking

Three Scientific Members / Members of the Directorate

with main scientific interests and activities in one of the following areas:

Theoretical Particle Physics – Phenomenology

Experimental Elementary Particle Physics – High Energy Physics

Experimental Astroparticle Physics.

The research program of the Institute comprises at present the following fields:

Experimental physics: high energy physics experiments at CERN, DESY and BNL; preparations for the ATLAS experiment at CERN-LHC; high energy cosmic rays; dark matter search, low energy astroparticle physics. Theoretical physics: phenomenology of the Standard Model and its extensions; lattice gauge theory; mathematical methods of field theory; gravitation and quantum theory; astroparticle physics and cosmology; foundations of quantum mechanics.

The new Scientific Members are expected to take a leading role in the Institute's research program and in shaping its future direction.

Including the 3 new appointments the Institute has 6 Scientific Members. These jointly form the Directorate, one of whose members is elected as chairman (managing director) for one or two terms of 3 years.

There are about 200 staff positions at the Institute, including 60 for scientists. It has a lively visitors' program and co-operates with the local universities in teaching and training diploma and PhD students (presently 40 PhD students).

The experimental activities of the Institute are supported by strong technical groups. A laboratory for the development of semiconductor detectors is operated jointly with the Max-Planck-Institut für extraterrestrische Physik.

The conditions of appointment are equivalent to those of a full professor at a German University (C4).

Applications, including a curriculum vitae, list of publications and a covering letter outlining the current research activities and future plans should be submitted before **May 15, 2000 to:**

The Chairman of the Search Committee, Professor Dr. Arndt Simon, Max-Planck-Institut für Festkörperforschung, Heisenbergstraße 1 70569, Stuttgart, Germany

Proposals for candidates are also welcome. The Max Planck Society especially encourages women to apply.

Further information may be found on the website: <http://www.mppmu.mpg.de>

Laboratori Nazionali di Frascati dell'INFN

European Community - Access to Research Infrastructures
action of the Improving Potential Programme

Call for Proposals

The Laboratori Nazionali di Frascati (LNF) of Istituto Nazionale di Fisica Nucleare (INFN), Italy, have been recognized by the European Union as a Major Research Infrastructure, for the period 1 March 2000 - 28 February 2003 (Contract No. HPRI-CT-1999-00088). This Contract offers the opportunity for **European research groups**, performing or planning a research activity at LNF, to

APPLY FOR E.U. FUNDED ACCESS TO THE LNF

to cover subsistence and travel expenses.

The only eligible research teams (made of one or more researchers) are those that conduct their research activity in the E.U. Member States, other than Italy, or in the Associated States.

Proposals must be submitted in writing using the Application Forms that can be downloaded from our website. They must describe the research project that the group wishes to carry out at the LNF, including the number of researchers involved, the duration of the project and the research facility of interest. Submitted proposals will be evaluated on the basis of scientific merit and interest for the European Community by a Users Selection Panel of international experts. The results will be communicated to the Group Leaders. Applications must be sent by **June 2nd, 2000**, to:

LNF Director, TARI, INFN, Lab.Naz. di Frascati
Via E. Fermi, 40, I-00044, FRASCATI
Fax: ++39-06-9403-2582

More information can be obtained visiting our website at <http://www.lnf.infn.it/cee/>, or from the TARI secretariat, e-mail: tari@lnf.infn.it, Fax: ++39-06-9403-2582.



Accelerator Physicist

to be jointly appointed by

CLRC Rutherford Appleton Laboratory and the
University of Oxford, Department of Physics



Oxford and RAL offer this post as part of a programme to stimulate the UK contribution to the development of accelerators for particle physics. In particular we are interested in the two areas of a neutrino factory and a linear e+e- collider. The envisaged programme will be in collaboration with CERN and/or other international laboratories. Applicants are expected to have a PhD and several years' experience in the field of accelerator physics and to have demonstrated leadership qualities.

The appointment will consist of a half-time post as group leader at Rutherford Appleton Laboratory and a half-time post as University Lecturer at the University of Oxford. The combined salary will be age-related in the range £23,229 - £41,797 per annum. The University appointment may be associated with a non-stipendiary fellowship at Linacre College. The appointment will be made by a joint Oxford-RAL committee and the appointee will be part of a collaborative effort.

Applications, including a statement of research interests and teaching experience, curriculum vitae, a list of up to ten major publications, and the names of three referees should be mailed to Mrs Sue Geddes, Nuclear and Astrophysics Laboratory, Keble Road, Oxford OX1 3RH, UK, email: s.geddes@physics.ox.ac.uk, fax: 0044-1865-273418, to arrive no later than 15th May 2000. Not more than two of the three referees should be from the same institution and they should all be asked to send letters of reference directly to the above address to arrive by the closing date. Further particulars of this post are available at <http://www2.physics.ox.ac.uk/pnp/ap-fp.htm> or from Mrs Geddes. Questions can be addressed to Prof Susan Cooper, s.cooper@physics.ox.ac.uk or Prof Ken Peach, Ken.Peach@rl.ac.uk

Research Assistants

Oxford is also offering two post-doctoral research assistant posts, initially for two years, paid on the RS1A scale of £16,286 - £24,479 p.a. Applications should be made as described above but with a closing date of 30th April 2000. Further particulars of these posts are available from <http://www2.physics.ox.ac.uk/pnp/ara-fp.htm> or from Mrs Geddes.

The first post, supported by University funds, is for work on developments for a neutrino factory, in particular on the HARP hadron production experiment at CERN (<http://harp.web.cern.ch/harp/>). Questions can be addressed to Dr Giles Barr (g.barr@physics.ox.ac.uk).

The second post, supported by CLRC and PPARC, is for work on the design of a TeV-scale linear e+e- collider within a UK consortium (<http://webnt.physics.ox.ac.uk/lc/>) as well as with international laboratories engaged in e+e- accelerator R&D. Questions can be addressed to Dr P N Burrows (p.burrows@physics.ox.ac.uk).

The University of Oxford and CLRC are Equal Opportunities Employers.

Technical Supervisor

The Advanced Light Source (ALS) at the **Lawrence Berkeley National Laboratory (LBNL)** is currently seeking a Technical Supervisor. Reporting to the Head of ALS Operations, the incumbent supervises the ALS operations staff, who provide around-the-clock operations of the Advanced Light Source for user operations and accelerator physics studies. You will supervise day-to-day ALS operations to maximize safe and efficient delivery of both beam time and ALS resources for the benefit of the experimental program, recruit, develop and supervise operations personnel required for safe, efficient operation of the ALS accelerators, and oversee budget, equipment, and property for the ALS Control Room. Will also coordinate and plan routine maintenance work by ALS and LBNL support groups, develop, implement and maintain procedures documenting the operation of the ALS facility and systems, and maintain current knowledge of and implement relevant Laboratory, Division, and Program Conduct of Operations and Quality Assurance policies and procedures for your activities.

Requires substantial experience in accelerator operations and technology, ability to provide technical and practical direction and lead effective collaborations among a diverse group of operators, maintenance personnel and facilities personnel, and managerial and/or supervisory experience. Must have computer skills including working knowledge of PC, Macintosh, and workstation systems, as well as effective oral and written communication skills. BS/BA and/or technical course work in physics, computer science and/or engineering desirable.

Please submit one copy of your resume via email (our preferred method) to: employment@lbl.gov (no attachments, please).

Reference Job# AL011370/JCERN in your cover letter. Or mail to:

**Lawrence Berkeley National Laboratory, One Cyclotron Road,
MS 937-0600, Berkeley, CA 94720. Or fax: (510) 486-5870.**

Visit our website at www.lbl.gov.

Berkeley Lab is an AA/EEO employer.



Muon Collider and Neutrino Factory Fellowships

Fermilab is currently accepting applications for Muon Collider/Neutrino Factory fellowships from individuals who possess two or more years of experience beyond their Ph.D. Candidates will develop the detector designs and establish the physics feasibility of Muon Collider/Neutrino Factory detectors. Initial work will be in the area of detector simulation, followed by R&D on detector hardware systems.

Two methods of operation of the fellowship are available. The first one, a full-time appointment, will be funded fully by the fellowship program for up to two years. The second scheme will allow candidates to work half time on an experimental program of their choice and the other half on the Muon Collider/Neutrino Factory. In this scheme, the candidate will be responsible for securing half salary from an institution engaged in the experimental program. Both fellowships are also open to faculty members planning sabbatical or other leaves at Fermilab.

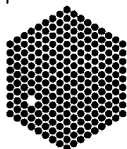
Appointments are for one year, renewable to two years. Salaries will be commensurate with experience. Successful candidates will be based at Fermilab.

All applications should include a curriculum vita, publication list and the names of three references. Applications and requests for information should be directed to: **Dr. Rajendran Raja, Fermi National Accelerator Laboratory, M.S. 122, P.O. Box 500, Batavia, IL 60510-0500, U.S.A. E-mail: raja@fnal.gov**



Fermilab

Fermilab is an Equal Opportunity/Affirmative Action
Employer M/F/D/V



EMBL

Hamburg Outstation

The European Molecular Biology Laboratory (EMBL), has the following vacancy at the Hamburg Outstation:

STAFF SCIENTIST: INSTRUMENTATION (ref. no. 00/20)

The EMBL Hamburg Outstation carries out research in structural biology (crystallography, scattering methods, spectroscopy), making use of the special properties of synchrotron radiation. Currently, it operates seven beam lines at the DORIS storage ring at DESY. These beam line facilities are used for about 500 projects annually by the international scientific community. The European Union funds several activities of the Outstation.

The EMBL Hamburg Instrumentation group currently includes seven staff members. The group designs, builds and maintains these beam lines and develops instruments for specialised applications at these beam lines. A major project will be the design and construction of a new beamline for Multiple Anomalous Diffraction experiments (MAD) in X-ray crystallography. The successful candidate is expected to participate in the design, installation and commissioning of the respective instrumentation as well as contributing to the improvement of existing stations. Novel projects are expected in the context of planned upgrades of the local storage ring facilities at the DESY site.

Skills in electronics and programming would be advantageous. The candidate should have excellent capabilities to integrate into a multidisciplinary and international research environment. A working knowledge of English is required and the ability to communicate in German would be desirable.

Closing date: 31 May 2000

Further information can be obtained from Dr. Christoph Hermes, fax: ++49 89902 149;
email: hermes@embl-hamburg.de; www: <http://www.embl-hamburg.de>.

EMBL is an inclusive, equal opportunity organisation.

Applicants should submit a CV, including a description of current professional activities, and names and addresses of three referees, quoting ref. no. 00/20, to:

The Personnel Section, EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany.
Fax: +49 6221 387555, email: jobs@embl-heidelberg.de

CERN COURIER RECRUITMENT BOOKING DEADLINES

**May:
7 April**

**June:
12 May**

**July:
16 June**

Contact

• Andrew Hardie:

Tel:

+44 (0)117 9301090

Fax:

+44 (0)117 9301178

E-mail:

andrew.hardie@iopublishing.co.uk

Technische Universität Berlin



Scientific Director at BESSY (Berlin)/Full Professor (professorship pay scale/BesGr. C 4)

The Berliner Elektronenspeicherring-Gesellschaft für Synchrotronstrahlung m.b.H. BESSY, is a national synchrotron radiation facility which operates since the beginning of 1999 a 1.9 GeV 3rd generation storage ring, BESSY II, with an international user community. In the VUV and soft X-ray wavelength range BESSY II provides beams of highest brilliance. For applications in the hard X-ray regime a limited number of beam lines with photon energies up to 50 keV will be available. About 30 experimental stations are expected to be operational at the end of the year 2000, the total number of experimental stations available at BESSY II will amount to at least 60. The collaboration between BESSY and the Hahn-Meitner-Institut, Berlin, will be further developed.

BESSY invites applications for a Scientific Director of the facility for January 1st, 2001, who will also be a full Professor of Physics at the Technical University of Berlin. The candidate should be an internationally recognised scientist in synchrotron radiation research in the broadest sense with demonstrated leadership abilities. The successful applicant is expected to take a leading role in operating the user facility, in the development of novel instrumentation and in conducting a strong in-house research program at BESSY. She/he will be a member of the board.

BESSY and the Technical University of Berlin (TUB) are equal opportunity employers and encourage all qualified applicants to apply. As BESSY and the TUB are striving to increase woman quota in fields where men dominate the faculty staff, both will give preference to qualified women.

Qualified candidates with disabilities will also be given preference.

Applications and suggestions of candidates should be sent **before April 15th, 2000 to Der Präsident der Technischen Universität Berlin - Faculty of Physics / Fachbereich 4 - Physik - Sekr. PN 2-1, Hardenbergstrasse 36, D-10623 Berlin, Germany, with the chiffre 4-45.**

Further information about the position can be obtained from Prof. Dr. Jochen R. Schneider (e-mail: Jochen.Schneider@DESY.DE)

Accelerator Physicist

Lawrence Berkeley National Laboratory's Accelerator & Fusion Research Division has an opening for an Accelerator Physicist with experience in various beam physics issues, particularly lattice design, experimental accelerator physics measurements and modern mathematical/computational techniques. He/she will work primarily on design issues for the Next Linear Collider damping rings, but other areas of interest to us include the Muon Collider/Neutrino Factory, the Large Hadron Collider and the Very Large Hadron Collider. This is a two-year Term Scientist position with the possibility of renewal.

Requires a PhD or an equivalent Physics background. Must have a sound working knowledge of accelerator physics relevant to the design of storage ring lattices including linear and nonlinear optics, nonlinear map analysis, dynamic aperture determination etc. Experience with lattice design and optimization with codes such as MAD is desirable, as are computer programming skills and familiarity with accelerator physics at operating machines.

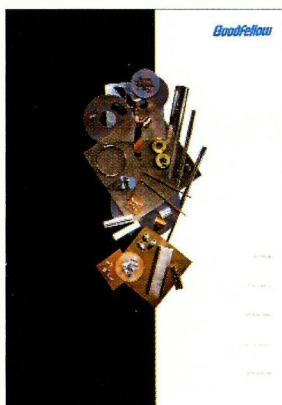
For more information see

<http://www.lbl.gov/CJO/sp0000lidx.html>, Job#AF011772.

Please submit one copy of your resume via email (our preferred method) to employment@lbl.gov (no attachments, please), referring to Job# AF011772/JCERN in your cover letter. Or mail to: **Lawrence Berkeley National Laboratory, One Cyclotron Road, MS 937-0600, Berkeley, CA 94720.** Or fax: (510) 486-5870. Visit our website at www.lbl.gov. Berkeley Lab is an AA/EEO employer.



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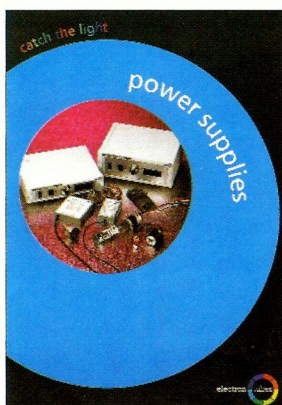


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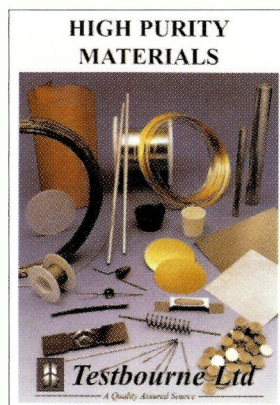
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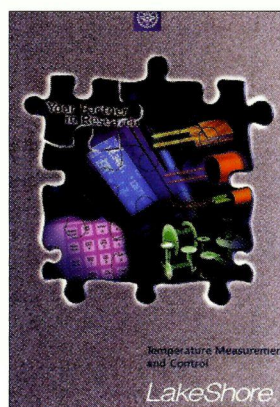


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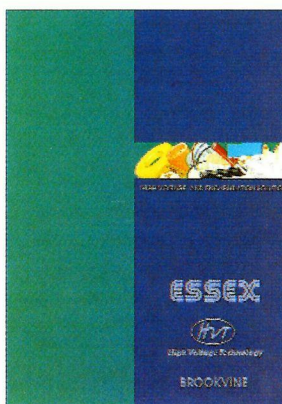
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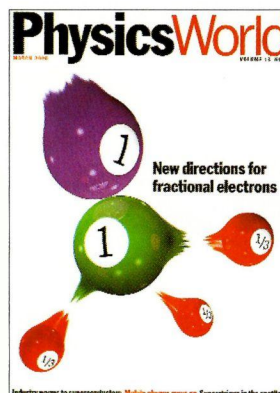


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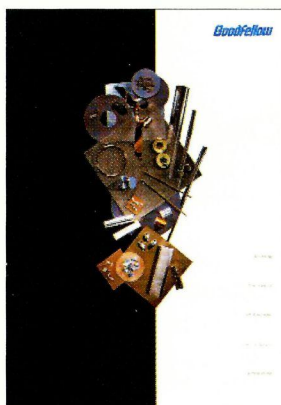
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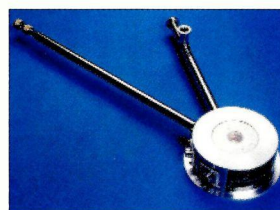


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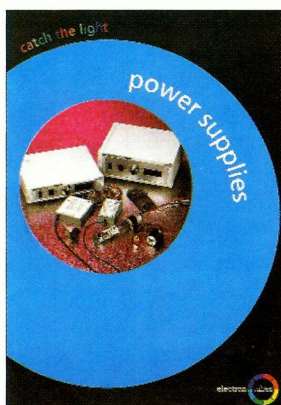


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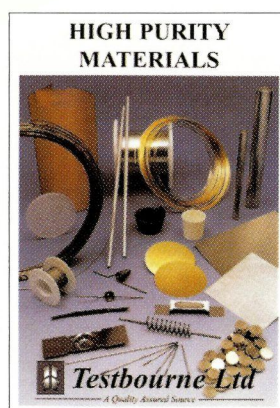
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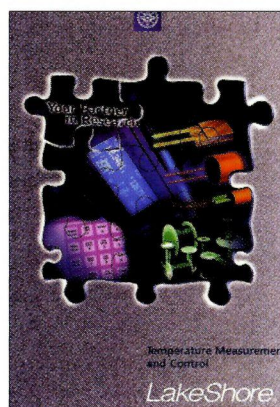


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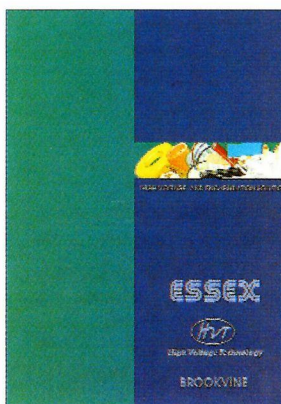
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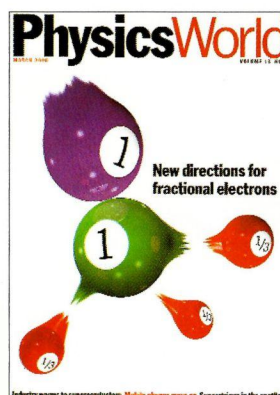


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