

RECRUITMENT

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Stanford Linear Accelerator Center (SLAC), a high-energy research facility dedicated to performing world-class research and advancing the critical technologies necessary to understanding the basic nature of matter has the following opportunity available:

Associate Director/Environment, Safety & Health

Lead a staff of 75 professional, technical and administrative personnel in the continuing development of improved health, safety and environmental practices and policies for our laboratory. As a member of senior management, you'll oversee an annual division budget of \$12.5 million that encompasses planning and assessment, hazardous waste management, operational health and radiation physics, Quality Assurance, occupational health and safety, training and publications. In addition to monitoring ES&H services and research, the position requires interfacing with Stanford University, the public, the Department of Energy and other regulatory agencies.

SLAC offers competitive compensation and excellent benefits. Please send your resume to: **SLAC, Attn: Employment Dept./Job #24178, M/S 11, P.O. Box 4349, Stanford, CA 94309, or via fax to: (650) 926-4999. EOE**

Stanford Linear
Accelerator Center

SLAC

HALL C GROUP LEADER – PHYSICS DIVISION

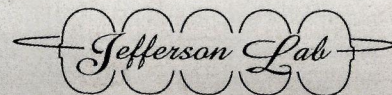
POSITION #PR2164

Thomas Jefferson National Accelerator Facility is a DOE-sponsored laboratory operated by the Southeastern Universities Research Association. Jefferson Lab's primary mission is to study strongly interacting matter with multi-GeV electromagnetic probes. The experimental program includes both high energy nuclear physics and low energy particle physics. The laboratory routinely operates up to 5.5 GeV beam energy.

Jefferson Lab seeks an experienced physicist to assume the duties of Hall Leader for the Hall C Group. Reporting to the Associate Director for Physics, the Hall C leader provides scientific leadership in developing an experimental program of high scientific relevance for Jefferson Lab. The Hall C leader provides overall management of the Hall C physics program, supervises the scientific staff, post docs, engineering, and technical staff of the hall. Acts as contact person for User groups and allocates support for User research. Oversees the operation of the Hall experimental equipment. Manages the operations budget for Hall C and new equipment construction projects. Creates and maintains positive EH&S culture and implements self-assessment program within Hall C. Participates in developing and executing experimental research proposals, provides support for data collection, analysis, presentation, and publication of scientific research carried out in the hall. The successful candidate will have a Ph.D. in Experimental Nuclear or Particle Physics or the equivalent combination of education, experience, and specific training. At least ten years professional experience in intermediate energy nuclear physics or closely related areas, with a minimum of three years in the management of an internationally-recognized subatomic physics research group. Must have technical knowledge of a broad variety of equipment, detectors, targets, and experimental programs associated with nuclear physics. Experience in managing large installation projects. Scientific excellence, as demonstrated by publications in nuclear physics journals, and demonstrated supervisory, planning, problem solving, decision making, and communication skills.

Applicants should send a curriculum vitae, copies of any recent (un)published work, and arrange to have letters from three references sent to: Employment Administrator, Mail Stop 28D, Jefferson Laboratory, 12000 Jefferson Avenue, Newport News, VA 23606. Fax: 757-269-7559, E-mail: jobline@jlab.org. Please specify position number and job title when applying.

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CONFERENCE

2001: A SPACETIME ODYSSEY

May 21–25, 2001, University of Michigan, Ann Arbor

Inaugural Conference of the Michigan Center for Theoretical Physics

Bringing together Astronomers, Cosmologists, Particle Physicists and Mathematicians to share their different perspectives on the 21st century view of spacetime.

Invited speakers include:

J. Bahcall,	A. Guth,	H. Quinn,
J. Bekenstein,	J. Hartle,	J. Schwarz,
S. Deser,	P. Higgs,	J. Silk,
W. Freedman,	A. Jaffe,	I. Singer,
M.K. Gaillard,	R. Kirschner,	P. Steinhardt,
M. Geller,	A. Linde,	M. Turner,
S. Glashow,	Y. Nambu,	M. Veltman,
M. Green,	L. Okun,	S.T. Yau,
D. Gross,	A. Polyakov,	B. Zumino

More information is available from: <http://www.umich.edu/~mctp/sto2001/>

Department of High Energy Physics Tata Institute of Fundamental Research Mumbai, India

Applications are invited for Post-doctoral positions in groups engaged in Accelerator based experiments as well as Non-Accelerator experiments.

Motivated persons willing to work in India may also write for suitable regular positions.

The Accelerator groups are currently engaged in the L3 and CMS experiments at CERN and the DO experiment at Fermilab. Members may also have an opportunity to work in the BELLE experiment at KEK.

The Non-Accelerator programmes include: High energy astroparticle physics using the large air shower array at Ooty; Very high energy gamma ray astronomy using the array of Cerenkov telescopes at Pachmarhi; Fundamental measurements on cooled atoms and ions; Torsion balance experiments on Gravity and other feeble forces.

Candidates should have Ph.D. or equivalent degree in experimental physics in relevant areas and demonstrated potential for outstanding achievement as independent researchers.

Applicants may send their curriculum vitae, a short overview of their research interests, a list of publications and names of at least 5 referees to the

Chairperson, Department of High Energy Physics, TIFR, Homi Bhabha Road, Colaba, Mumbai-400005, India by May 31, 2001. They may indicate the experimental activities they would like to join.

Enquiries to be addressed to the Chairperson (E-mail: dhep@tifr.res.in).



Laboratori Nazionali di Frascati dell'INFN

**European Community - Improving Potential Programme
Access to Research Infrastructures
3rd 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 **May 14th, 2001**, to:

**LNF Director, TARI
INFN, Laboratori Nazionali di Frascati
Via E. Fermi, 40
I-00044, FRASCATI
Fax. ++39-06-9403-2582**

More information can be obtained by 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.



International Conference on Accelerator & Large Experimental Physics Control Systems

**November 27-30, 2001
San Jose, California, USA**

Abstract Due Date: April 20, 2001

**For Abstract submittal, complete prospectus,
registration and commercial exhibit info, visit:**

<http://icalepcs2001.slac.stanford.edu>

**Chairman: J.W. (Rusty) Humphrey
Program Chairman: Hamid Shoaee**

Be There for ICALEPCS 2001, A Unique Opportunity!

Scientist/Computer Analyst Position

The Physics Applications Software group in the BNL physics department is seeking candidates for an ATLAS offline core software developer position. The successful candidate will join a team participating in many areas of ATLAS software, including event model; databases and data management; physics analysis infrastructure; software support and code management; distributed computing; and application software (simulation, reconstruction, detector performance and physics analysis studies) aligned with BNL's ATLAS detector and physics program. Appropriate either to a physicist with very strong computing skills or a computing professional. Advanced degree in physics or computer science required. Will play a major role in the development of the core software for the LHC ATLAS experiment, for which BNL is the lead U.S. computing center. At least four years' experience in HENP software development or equivalent, including substantial experience in core infrastructure development is required. HENP database and/or data management infrastructure development experience strongly preferred. At least three years' experience in C++ and object oriented programming required.

Interested candidates should forward a resume, responding to Position #NS 8985, to: Nancy L. Sobrito, Brookhaven National Laboratory, Bldg. 185-HR, Upton, NY 11973; or e-mail: Sobrito@bnl.gov; or fax: 631-344-7170. BNL is an equal opportunity employer committed to workforce diversity.

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UNIVERSITÉ DE GENÈVE

The Faculty of Sciences, Geneva University, Switzerland, has an opening for a position as

**Full or Associate Professor
in experimental particle physics
(Professeur ordinaire ou adjoint)**

Responsibilities: This is a full time appointment comprising 6 hours of teaching per week and research activity in the field of experimental particle physics. The successful candidate is expected to conduct a vigorous research programme in the field of experimental particle physics with an initial orientation in one of the existing programmes of the Department.

Degree of requirements: Ph.D. or equivalent

Starting date: October 1st, 2001 or as agreed

Applications, including curriculum vitae, a list of publications and a short research plan should be sent before May 31st 2001, to the

*Dean of the Faculty of Sciences
30, Quai Ernest-Ansermet
CH-1211 Genève 4
Switzerland,*

where further information concerning the job description and working conditions may be obtained.

Applications from women are particularly welcomed.

Associate Scientist Position in the Physics Analysis Tools Department

The Computing Division at Fermilab has an opening for an Associate Scientist in the Simulation Group of the Physics Analysis Tools Department. As a member of the Simulation Group, the Associate Scientist will work on the development, maintenance and use of simulation tools for the Tevatron collider experiments and future collider experiments, and for the study of the physics potential of experiments at future accelerators. In addition, the position offers the opportunity to participate part-time in Fermilab's ongoing research program in high energy physics. The successful candidate will have major responsibility in the development of new generators and other computer simulation tools, and will be expected to participate in the development and maintenance of tools used in simulating a wide variety of important high pT physics processes, including channels involving high pT hadronic jets, W and Z bosons, hard photons, and missing transverse energy. The successful candidate will work closely with the experimenters, and with members of the Fermilab Theory Department, to implement strategies for better and more efficient separation of new physics signatures from Standard Model physics and detector backgrounds.

The candidate must have a Ph.D in theoretical high energy physics and significant development experience with multi-purpose Monte Carlo event generators such as Pythia, Herwig, and Isajet, as well as a variety of more specialized parton-level generators. The candidate should have extensive knowledge of the theory of QCD and electroweak physics, and be equally familiar with important new physics areas such as Higgs physics, supersymmetry, and technicolor. Extensive experience in the development of physics software in Fortran 77, C or C++ is required, experience with UNIX, C and C++ recommended.

Applications should include a curriculum vitae, a list of publications and 3 letters of reference and should be sent to **Dr. Matthias Kasemann, Fermi National Accelerator Laboratory, P.O. Box 500, M.S. 120, Batavia, IL 60510, USA.** Application materials and letters of reference must be received by April 30th, 2001.



Fermilab

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Universität Heidelberg

The Faculty of Physics and Astronomy at the Ruprecht-Karls-University Heidelberg extends her activities to integrate computer science. A new interdisciplinary curriculum in physics with emphasis on computer science is currently established that offers a high qualification in both disciplines in addition to the two existing chairs for computer science the faculty has immediate openings for two professorships at the Associate Professor level (German salary scale C3):

Associate Professor Position (C3) Multidimensional Image Processing

The position is located at the Research Group Image Processing at the Interdisciplinary Centre for Scientific Computing (www.iwr.uni-heidelberg.de) and is endowed by the Robert Bosch GmbH, Stuttgart. The successful candidate should show a proven excellent and versatile scientific record in multidimensional image processing. In addition, experience with applications in industry and natural sciences are expected. For further details please contact Prof. B. Jähne (Bernd.Jaehne@iwr.uni-heidelberg.de). The IWR offers a first rate interdisciplinary scientific environment with key applications in natural sciences and – in cooperation with the Robert Bosch GmbH – in industrial image processing.

Associate Professor Position (C3) Technical Computer Science

The position is located in the Research Group Technical Computer Science at the Kirchhoff Institut für Physik (www.ti.uni-hd.de). Possible research directions are among others parallel and distributed computer architecture and applications in natural sciences with emphasis on existing interdisciplinary activities in physics. The successful candidate should show a proven excellent scientific qualification in the area of technical computer science. For further details please contact Prof. V. Lindenstruth (ti@kip.uni-heidelberg.de). The Kirchhoff Institut offers modern laboratory facilities including an excellently equipped ASIC lab.

Teaching obligations in computer science 8 hours per week during the semester. Required background is a "Habilitation" or equivalent evidence of professional proficiency.

Section 1, Paragraph 67 of the *Universitätengesetz* (University law) requires that a candidate without a previous appointment a university professor in the German university system be initially employed on a non-tenured basis. The appointee is not required to reapply for the position if his/her contract is to be extended beyond the initial term. Exceptions to these regulations may be granted if candidates from abroad or from outside the university system refuse to accept an appointment under these conditions.

Applications in written and electronic form including C.V., list of publications and teaching experience, summary of research focus, and outline of planned research activities should be received by the Dekan der Fakultät für Physik und Astronomie der Universität Heidelberg, Albert-Überle-Strasse 11, D-69120 Heidelberg, not later than April 23, 2001. – The faculty intends to increase the number of women in teaching and research, women are therefore explicitly invited to apply.

Candidates taken into further consideration are invited to give a talk in a colloquium and an example lecture for students. The colloquium for the C3-professorship Multidimensional Image Processing will take place on May 23, 2001.

Associate Scientist Beams Division

Fermi National Accelerator Laboratory currently seeks an Associate Scientist to work in one of the Beams Division systems groups (Tevatron, Main Injector, Antiproton Source, Proton Source), contributing to machine operation, improvements, and diagnostics. Additional duties will include writing application programs in C, performing shift work during machine commissioning periods and conducting beam studies, coupled with advanced accelerator calculations aimed at improving machine performance and versatility. This role will also entail making accesses into beam enclosures and working in radiation and ODH areas. Some shift work is required during commissioning.

Qualified candidates will possess a PhD in Physics, with a minimum of three years of postdoctoral work and prior experience in experimental beam physics. Exact title and level will depend on the qualifications of the selected candidate.

Qualified applicants should submit a curriculum vitae, publication list and the names of three references to: John Marriner, Head, Beams Division, Fermilab, MS 306, P.O. Box 500, Batavia, IL 60510, USA.



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UNIVERSITY OF BERN, SWITZERLAND

Postdoctoral and Ph.D. student positions

One postdoctoral and two Ph.D. student positions are available for ATLAS and/or STAR.

INFORMATION:
<http://www.lhep.unibe.ch/jobs/pd1.txt>

APPLY TO:
S. Kabana, LHEP, Univ. of Bern,
Sidlerstrasse 5, CH-3012 Bern.

Are you looking for...

- Bio/Medical Physicists • Radiologists • Electrical Engineers • Software Developers
- Technical Editors • Electrical Engineers • Cosmologists
- Subatomic, Nuclear, Particle, Astro, High, Medium and Low Energy Physicists.

For further information and professional recruitment advice contact

Andrew Hardie

Tel. +44 (0)117 930 1090

Fax +44 (0)117 930 1178

E-mail andrew.hardie@iop.org

Staff Scientist Position

at the
LIGO Laboratory,
California Institute of Technology (Caltech)

The Laser Interferometer Gravitational-Wave Observatory (LIGO) Laboratory is seeking to fill a three-year term position for a staff scientist at its Livingston, Louisiana site.

The position may be converted at a later date to a long-term appointment subject to available funding.

The successful candidate will become a member of the observatory staff with primary responsibility to participate locally in the LIGO Laboratory Data and Computing Group activities. Primary responsibilities will include: site support for LIGO Data Analysis System hardware and software and participation in the scientific data analysis for astrophysical signatures from gravitational waves associated with compact relativistic objects.

Skills we are seeking include: Linux/Solaris administration background; MPI-based parallel computational background; training in astronomy, astrophysics, or physics; programming experience in C or C++ and/or tcl/tk; and knowledge of computer hardware systems including the ability to repair, install, and maintain computer equipment.

Letters of interest must include a resume with a minimum of three references listed and where the applicant saw the advertisement and should be sent to: Dr. Albert Lazzarini, California Institute of Technology, LIGO 18-34, Pasadena, CA 91125. Electronic materials may be submitted either as a pdf attachment or as ascii-only text; please no MS WORD documents.

Further information may be obtained from Dr. Lazzarini at
lazz@ligo.caltech.edu.

Caltech is an Affirmative Action/Equal Opportunity Employer.
Women, Minorities, Veterans, and Disabled Persons
are encouraged to apply.



Postdoctoral Positions in High-Energy Gamma-Ray Astrophysics

Max-Planck-Institute for Nuclear Physics, Heidelberg

The Max-Planck-Institute for Nuclear Physics in Heidelberg invites applications for postdoctoral positions to work on the H.E.S.S. project in TeV gamma ray astronomy. The H.E.S.S. collaboration is currently constructing a system of large imaging Cherenkov telescopes in Namibia, see www-hfm.mpi-hd.mpg.de/HESS.

Our institute is centrally involved in almost all aspects of the project. We seek persons with a Ph.D in particle physics, nuclear physics, or astrophysics, with a strong experimental background, and interests to participate in the commissioning of the telescopes and in particular in the data processing and data analysis.

For further information, contact **Werner.Hofmann@mpi-hd.mpg.de**.

Applicants should send a CV, and arrange for three letters of reference to be sent to **Personalverwaltung Max-Planck-Institut für Kernphysik Heidelberg,**
Postfach 10 39 80, D-69029 Heidelberg.

The Max-Planck-Gesellschaft especially encourages women to apply.

When a disabled candidate and a non-disabled candidate are equally qualified, the disabled candidate will be chosen.



The **Deutsche Elektronen-Synchrotron DESY** in Hamburg, member of the association of national research centers Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren, is a national center of basic research in physics with approx. 1,400 employees and more than 3,000 scientific guests from Germany and foreign countries per year. The accelerators in operation are dedicated to particle physics and research with synchrotron radiation.

We are looking for a

Physicist or Computing Scientist (m/f) as head of the IT-group in Hamburg

starting as soon as possible.

The tasks concerning the central information technology of DESY are carried out by the IT-groups in Hamburg and Zeuthen in close co-operation with the teams of the large experiments at the electron-proton collider HERA, of the synchrotron radiation laboratory and of the accelerator facilities. At DESY we are working at the frontier of IT technology. There exist close co-operations with the IT-groups of other centres of particle physics like Fermilab or CERN.

The central IT-group in Hamburg with approx. 60 employees is responsible for the operation and further development of the basic services like networking, computing platforms (mainly Unix, Linux and Windows) and for the efficient management of the physics data (several hundred Tbyte) for several thousand users.

The essential tasks are:

heading the IT-group in Hamburg; organisation of the operation of the central data processing coordination with the IT group in Zeuthen; strategic development of the IT at DESY in close co-operation with the users and with other laboratories; consulting of the DESY-directorate; outside representation of DESY in IT issues.

Candidates should have a degree in one of the a.m. subject areas, appropriate experience in information technology and profound ability to direct scientific and technical personnel. Candidates (m/f) with several years of experience in data processing, particularly in particle physics, will be given preference. Applicants should be conversant with German and English both in speech and writing.

The salary and social benefits correspond to those of the public services (BAT Ia/I).

Deadline for applications: April 20, 2001

Job No.: 79/2000

Handicapped persons will be given preference to other equally qualified applicants.

DESY supports the careers of women and therefore encourages especially women to apply.

In case of questions concerning the described function and qualification, please feel free to contact Dr. Hans von der Schmitt (+49-40-89983200) or Dr. Jan Hendrik Peters (+49-40-89982583). Please send your application documents to:

DESY
Personalabteilung
Notkestraße 85, D-22607 Hamburg
www.desy.de

NEED TO RECRUIT?

**Call Andrew Hardie on
+44 (0)117 930 1090**



ALBERT-LUDWIGS- UNIVERSITÄT FREIBURG

The Faculty of Physics invites applications for a

Full Professorship in Experimental Physics (C4)

as successor to Prof. Dr. K. Runge. The appointment will be made in the field of experimental physics with emphasis on experimental particle physics.

Prerequisites are the Habilitation or an equivalent scientific qualification. The successful applicant will participate in teaching and administrative duties of the department. The university is seeking to increase the number of female faculty members and therefore especially encourages suitably qualified women to apply. Applicants with a physical handicap will be given preference over other candidates with equal qualifications. The professorship is available as a permanent position. In case this is a first appointment to a professorship. This appointment will be temporary, with a possibility for a later promotion to a permanent position. Exemptions from this rule are possible.

Applications (including a curriculum vitae, copies of certificates, list of publications and teaching records) should be sent by **30 June 2001** to the

**Dekan der Fakultät für Physik, Hermann-Herder-Str. 3,
D-79104 Freiburg.**



Accelerator Physics Faculty

SLAC invites applications for a tenured Associate Professorship in accelerator physics with specialization in the physics and technology of Radio Frequency accelerating systems. We are looking for candidates with significant accomplishments and promise for important future achievements in this science that is central to the SLAC program. SLAC offers unique opportunities

- Operating accelerators supporting research in particle physics and synchrotron radiation-based sciences.
- Accelerators, high power test stands, and extensive instrumentation and facilities for accelerator research.
- A world-class faculty and staff working towards accelerators of the future.

The successful candidate is expected to take a leadership role in the ongoing activities, in developing new initiatives, and in creative scholarship. As a member of the Academic Council of Stanford University, there will be opportunities to teach and supervise undergraduate and graduate students.

Candidates should submit a curriculum vitae, publication list, a statement of research interests, and the names of four references to **Prof. R. Siemann, SLAC - MS 07, 2575 Sand Hill Rd, Menlo Park, CA 94025**. The deadline for receipt of applications is **June 15, 2001**.

Stanford University is an equal opportunity, affirmative action employer. We especially encourage applications from women and minority scientists.

POSTDOCTORAL POSITIONS IN EXPERIMENTAL PARTICLE PHYSICS

The Fermi National Accelerator Laboratory (Fermilab) has openings for postdoctoral research associates in experimental particle physics. The Fermilab research program includes experiments with the 2 TeV proton - antiproton collider, neutrino oscillation experiments, fixed target experiments and astroparticle physics experiments. There are several positions for recent Ph.D.s to join the CDF and DZero collider efforts which have major detector upgrades in progress and are scheduled to begin data taking in early 2001. There are also opportunities to join the upcoming neutrino oscillation experiments MiniBooNE or MINOS, the Cryogenic Dark Matter Search, the Auger giant cosmic ray project, fixed target experiments for data analysis, as well as detector R&D efforts and the newly approved BTeV collider experiment. Positions associated with these experimental efforts are also available in the Computing Division for candidates interested in modern computing techniques applicable to HEP data acquisition and analysis. Successful candidates are offered their choice among interested Fermilab experiments.

Appointments are normally for three years with one-year renewals possible thereafter. Every effort will be made to keep a Fermilab RA until she or he has the opportunity to reach physics results.

Applications and requests for information should be directed to Dr. Michael Albrow, Head-Experimental Physics Projects Department, Particle Physics Division (Albrow@fnal.gov), Fermi National Accelerator Laboratory, MS 122, P.O. Box 500, Batavia, IL 60510-0500. Applications should include a curriculum vita, publication list and the names of at least three references. EOE M/F/D/V.



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CORNELL UNIVERSITY

TENURE-TRACK ASSISTANT PROFESSOR OF PHYSICS Accelerator Physics

We are seeking an outstanding individual for a tenure track faculty position in accelerator physics. The position would normally be at the Assistant Professor level, but we will consider more senior appointments for exceptionally qualified individuals. The Cornell Laboratory of Nuclear Studies has a strong program in beam physics and accelerator technology development with many exciting prospects for the future. Currently the Laboratory operates CESR, an electron positron storage ring for both particle physics and synchrotron radiation. Continuing improvements to its capabilities offer many opportunities for advancing the basic science of accelerator physics as well as its accompanying technology. A particular strength of the Laboratory is our R&D program in rf superconductivity which both supports the continuing upgrade of CESR and opens the way for future machines in synchrotron radiation production and particle physics.

Interested parties should send an application and at least three letters of recommendation to Prof. David Rubin, Search Committee Chairman, Newman Laboratory, Cornell University, Ithaca, NY 14853. Applications should include a curriculum vitae, a publication list, and a short summary of teaching and research experience. Electronic mail inquiries may be addressed to **SEARCH@LNS.CORNELL.EDU**. Cornell University is an equal opportunity/affirmative action employer.

MICHIGAN STATE UNIVERSITY

ISIS NEUTRON FACILITY POSTDOCTORAL POSITION

The Department of Physics and Astronomy at Michigan State University is looking to fill a postdoctoral research associate position in the local-structure-property relationship of complex oxides.

The successful candidate will be located predominantly at the ISIS pulsed neutron facility at the Rutherford Appleton Laboratory in the UK. The research involves using neutron diffraction, including Pair Distribution Function analysis, and scattering to study the relationship of structure and local structure to the properties of such materials as colossal magnetoresistant manganites and high-temperature superconductors.

Candidates must have Ph.D. in Physics, Chemistry, Materials Science or related subject. Experience in neutron scattering or diffraction and computer analysis/programming is preferred.

Deadline for applications is April 16, 2001 or until the position is filled. Please send applications, including a vita, statement of research, and at least two letters of recommendation, to

**Prof. Simon J.L. Billinge, Department of Physics and Astronomy,
Michigan State University, East Lansing, MI 48824-1116 USA**
(www.pa.msu.edu/cmp/billinge-group).

Further information can also be obtained from
Dr. Paolo Radaelli (p.g.radaelli@rl.ac.uk).

*Michigan State University is an affirmative action/equal opportunity institution.
Women and minorities are especially encouraged to apply*

Staff Physicist – Accelerator Physics

Stanford Linear Accelerator Center is seeking an outstanding individual for a staff physicist position in the Accelerator Research Department - A. SLAC has a world-leading research program of accelerator physics. Interests cover a wide range of accelerator physics and advanced technology research as applied to next-generation linear colliders, storage rings, and synchrotron radiation and free electron laser devices. Successful candidate is expected to propose and lead research, and to participate in team collaborations. The individual must have completed post-doctoral research or equivalent. Broad knowledge of accelerator physics is expected. Level of the position is flexible with the aim of finding the most qualified individual.

Interested parties should send an application letter, brief summary of accomplishments, curriculum vitae, and list of publications to either **Prof. Alex Chao** or **Prof. Ron Ruth, Mail Stop 26, Stanford Linear Accelerator Center, P.O. Box 4349, Stanford, CA 94309, USA**. Also send at least three letters of recommendation. E-mail inquiries can be sent to achao@slac.stanford.edu

SLAC is an equal opportunity/affirmative action employer.

SLAC

CERN COURIER RECRUITMENT BOOKING DEADLINES

May issue: 11 April

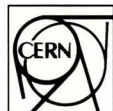
Reach a global audience with *CERN Courier* Internet options. Recruitment advertisements are on the Web within 24 hours of booking and then also sent to e-mail subscribers.

Contact Andrew Hardie:

Tel. +44 (0)117 930 1090 Fax +44 (0)117 930 1178

E-mail andrew.hardie@iop.org

cerncourier.com



**ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH**

Laboratoire Européen pour la Physique des Particules
European Laboratory for Particle Physics

The Experimental Physics Division invites applicants for a long term position of a **PHYSICIST**

in experimental particle physics research.

Candidates are expected to have a PhD in particle physics and an excellent record of successful work with typically 5-10 years of post-doctoral experience in this field. Further requirements include; a high capacity for innovation and leadership; competence in detection techniques and in the use of on-line and off-line software; potential for making a significant medium to long-term contribution to the scientific programme of the Organization. Very good communication skills and an aptitude for team work.

The position is of a long term nature and offers a competitive remuneration package and excellent career prospects.

The selected candidate will take a leading role in all aspects of particle physics experiments, involving the conception and design of experiments, the development and operation of detectors and the analysis of data. He/she will also co-ordinate or make important contributions to studies, projects or committee work and represent the Organization at conferences, workshops, or in other research laboratories and institutions.

Interested candidates are asked to send an application letter, a CV including the names of three referees and a brief description of research interests as well as a list of publications to Professor G. GOGGI, EP Division Leader, CERN< CH 1211 Geneva 23, e-mail: Giorgio.Goggi@cern.ch, by 11 May 2001.

Preference will be given to nationals of CERN Member States*.

This position is also published under reference EP-DI-2001-43-FT, which can be consulted at www.cern.ch/jobs/.

CERN is an equal opportunity employer and encourages both men and women with the relevant qualifications to apply.

* AT, BE, BG, CH, CZ, DE, DK, ES, FI, FR, GR, HU, IT, NL, NO, PL, PT, SE, SK, UK



RHEINISCHE FRIEDRICH - WILHELMS - UNIVERSITÄT BONN

**The Physics and Astronomy Department of the
Mathematics and Science Faculty of the University of Bonn**
has an opening in the Physics Department for a
Professorship (C4) in Theoretical Physics
starting fall 2001.

We are seeking a scientifically outstanding candidate in the field of Theoretical Elementary Particle Physics with additional experience in the area of Cosmology and Astrophysics. The candidate should play an important role in the initiation of a research center in Particle-Astro-Physics at the University of Bonn.

The position carries with it the usual teaching duties.

The conditions of employment are described in § 46 HG (NRW). The University of Bonn is determined to increase the percentage of women employed. Applications by women are thus particularly encouraged. Given the same suitability, qualification and scientific achievement, preferential consideration will be given to women.

Disabled applicants with the same qualifications as other candidates are preferably employed.

**Please send applications containing the usual documents to
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Endenicher Allee 11-13, D-53115 Bonn, Germany.**

The deadline for applications is April 15, 2001.

New Journal of Physics

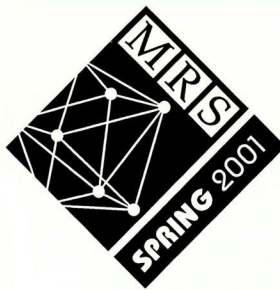
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- I: Wafer Bonding and Thinning Techniques for Materials Integration
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THIN FILMS AND SURFACE PHENOMENA

- O: Mechanisms of Surface and Microstructure Evolution in Deposited Films and Film Structures
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- R: Morphology and Dynamics of Crystal Surfaces in Molecular and Colloid Systems
- S: Fundamental Studies of Corrosion and Oxidation

DATA STORAGE

- T: Materials for Magnetic Devices—Magneto-Electronics and Recording
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- W: Nanotubes, Fullerenes, Nanostructured and Disordered Carbon
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GENERAL

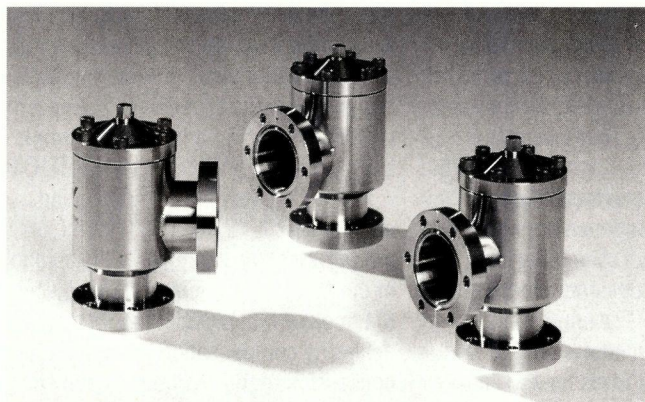
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