

RECRUTEMENT

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RESEARCH FACULTY POSITION ACCELERATOR PHYSICS

UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN

The Department of Physics invites applications for a full-time, non-tenure track research faculty position in accelerator physics/beam dynamics. The starting date will be August 2003, pending the approval of funding.

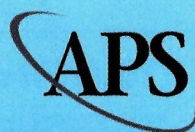
Candidates should have a Ph.D., two or more years of postdoctoral experience, expertise in accelerator physics theory, non-linear dynamics, programming in scientific languages, and familiarity with particle physics. Currently active research topics include muon cooling channels. Salary and rank will be competitive and commensurate with qualifications.

For full consideration, applications should be received before May 15, 2003. Applications will be accepted until the position is filled. Applicants should submit a letter describing their research interests and accomplishments, a curriculum vita, and the names and addresses of four references to:

Head (Accelerator Physics Search), Department of Physics, University of Illinois at Urbana-Champaign, 1110 W. Green Street, Urbana, Illinois 61801-3080, (217) 333-3760

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**Joseph Ignacio, Director of Human Resources,
American Physical Society, 1 Research Road,
Box 9000, Ridge, NY 11961,
email: edresumes@aps.org, fax: 631-591-4155.**

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Bewerberinnen oder Bewerber sollten in einem der Fächer Teilchenastrophysik oder Elementarteilchenphysik ausgewiesen sein und Erfahrungen in der Entwicklung von Teilchendetektoren und Methoden der Datenanalyse besitzen. In enger Zusammenarbeit mit dem Forschungszentrum Karlsruhe bestehen ausgezeichnete Arbeitsmöglichkeiten in der Neutrinophysik (Experiment KATRIN) und der Physik kosmischer Strahlung bei sehr hohen Energien (Experimente KASCADE Grande, Pierre-Auger-Observatorium in Argentinien). Zu den Lehraufgaben gehört die Beteiligung an der Physikausbildung auch für Studierende anderer naturwissenschaftlicher und ingenieurwissenschaftlicher Fachrichtungen.

Habilitation oder gleichwertige Qualifikation wird vorausgesetzt. Bewerbungen mit den üblichen Unterlagen, Kopien der fünf wichtigsten Veröffentlichungen sowie einer Darstellung der bisherigen Forschungs- und Lehrtätigkeit sind bis zum 30. April 2003 an den Dekan der Fakultät für Physik, Universität Karlsruhe (TH), Postfach 6980, 76128 Karlsruhe zu richten.

Die Universität Karlsruhe ist bestrebt, den Anteil an Professorinnen zu erhöhen und begrüßt deshalb die Bewerbung entsprechend qualifizierter Frauen. Schwerbehinderte Bewerberinnen/Bewerber werden bei gleicher Eignung bevorzugt berücksichtigt.

Im Falle einer erstmaligen Berufung in ein Professorenamt wird das Dienstverhältnis zunächst grundsätzlich befristet; Ausnahmen von der Befristung sind möglich.

Tenured Professorial Position in Accelerator Physics

The Stanford Linear Accelerator Center (SLAC) is seeking an outstanding individual for a tenured faculty position in Accelerator Physics. We are looking for candidates with significant accomplishments and promise for important future achievements. In particular, the candidates are expected to have demonstrated leadership in the design, construction, and/or operation of major accelerator facilities.

The successful candidate is expected to take a leadership role in developing present accelerator facilities, in developing new initiatives at SLAC 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 **Professor Burton Richter, SLAC-MS 80, 2575 Sand Hill Road, Menlo Park, CA 94025, or electronically to brichter@slac.stanford.edu.**

The deadline for receipt of applications is April 15, 2003.

SLAC is an equal opportunity employer and welcomes nominations of women and minority group members and applications from them.

The Experimental Physics Division invites applications 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 coordinate 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 Dr. D. Schlatter, EP Division Leader, CERN, CH 1211 Geneva 23, e-mail: Dieter.Schlatter@cern.ch, by 9 May 2003.

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

This position is also published under reference EP-DI-2003-25-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.

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for the design and realization of a compact 600 MeV-electron storage ring for the radiometry of the Physikalisch-Technische Bundesanstalt. Work focuses are design and construction of beam transport elements, a 500 MHz-accelerating system, a high-precision beam position measurement, ultra-fast bunch-to-bunch feedback systems and scientific instrumentation.

The successful applicants will be expected to have profound knowledge in the field of accelerator physics. Experience with accelerators will be an advantage.

Work contracts conform to the framework of the Bundes-Angestellten-tarifvertrag and are limited to the project duration of three years. Efforts are made for conversion into a permanent employment as operation of the facility starts.

Applications of qualified female candidates are particularly encouraged. Among equally qualified applicants, handicapped candidates will be given preference.

Applications should include CV and publication list as well as above key number and earliest possible starting date. Please send your application to:

**Berliner Elektronenspeicherring-Gesellschaft
für Synchrotronstrahlung m.b.H. (BESSY)
- Personalverwaltung -
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CERN COURIER RECRUITMENT BOOKING DEADLINE

May: 14 April

Publication date: 25 April

Contact Ed Jost:

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LIGO Gravitational Wave Data Analysis

As a member of the LIGO Scientific Collaboration (LSC), the Penn State relativity group seeks one or more postdoctoral scholars with strong data analysis experience and skills to take part in the analysis and interpretation of observations from the Laser Interferometer Gravitational Wave Observatory (LIGO). The start date for the positions is September 2003; at least two years of funding are available for each position.

The Penn State LSC group is among the largest and most active in the collaboration. It plays a leading role in the analysis and interpretation of LIGO data, including analysis in collaboration with other gravitational wave detector experiments worldwide. It is also host to an International Virtual Data Grid Laboratory (iVDGL) University Regional Center for grid computing, whose primary focus is data analysis for LIGO. It is part of the larger Penn State relativity group, which is among the largest and most active in the country with five faculty, eleven postdocs, sixteen graduate students, nine undergraduate students engaged in research in all areas of gravity.

Penn State is also home to the Center for Gravitational Wave Physics (CGWP), funded by the National Science Foundation as part of its Physics Frontier Centers program. The mission of the CGWP is to help crystallize and develop the emerging discipline of gravitational wave phenomenology the astrophysics and fundamental physics that gravitational wave observations – in all wavebands – enable. The Center for Gravitational Wave Physics brings several major workshops and conferences addressing all areas of gravitational wave physics and astrophysics to Penn State every year.

Applicants with Ph.D. in hand should send a CV, statement of research interests and relevant experience, and arrange for three letters of recommendation to be sent to

**LSC Postdoc Search,
Center for Gravitational Wave Physics,
104 Davey Laboratory
University Park, PA 16802.**

Applications will be considered beginning 15 April. New applications will be considered until the position is filled. For more information see our website at

<http://cgwp.gravity.psu.edu>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

PhysicsJobs @physicsweb.org

Staff Associate Electrical Engineer

Columbia University Nevis Labs has an immediate opening for an electrical engineer to design instrumentation for high energy physics research. Typically this involves data readout of large scale detectors located at accelerator labs in the U.S. and Europe. Our electronics group currently consists of three engineers and three technicians. We do analog and digital circuit design using commercial components, ASIC's, standard cell, FPGA's and PCB's. Prototyping and testing is done in house and on site, while production is typically performed by outside vendors. The applicant should have at least two years of design experience in some of the above areas and some knowledge of Spice, HDL and PCB layout tools.

Please send resume and three letters of recommendation to:

Chief Engineer, Electronics Department,
Nevis Lab, POB 137, Irvington, NY 10533, USA.

Columbia University is an Equal Opportunity/Affirmative Action Employer, Women and minorities are encouraged to apply.

Imperial College London

Department of Physics

Research Associate Positions in High Energy Physics

Applications are invited for two Research Associate posts in the High Energy Physics group, Imperial College London. One post is to work on the electromagnetic calorimeter (ECAL) for the CMS experiment at the LHC and the other is to work on the group's Neutrino programme.

The group plays a leading role in the CMS experiment and is jointly responsible for the design, testing and construction of the ECAL end-cap. The successful candidate for this CMS ECAL post should have a background in experimental high energy physics and an appreciation of the physics goals of the CMS experiment. S/he will take responsibility for measurements made in the Crystal Laboratory at Imperial and should have the necessary background and ability to undertake the development of software for the experiment. The position will involve some travel to CERN. Further information may be obtained from Dr David Britton at d.britton@imperial.ac.uk

The group is also one of the leaders in the R & D programme designed to lead to a neutrino factory and is planning to participate in one of the proposed neutrino 'superbeam' experiments. The successful candidate will take a leading role in this programme, a major part of which will be the design, construction and commissioning of the International Muon Ionisation Cooling Experiment (MICE) at RAL. Further details of the group's neutrino programme and the MICE experiment may be obtained from Dr K Long, email: K.long@imperial.ac.uk

Additional information on the group's wide experimental programme can be found on <http://www.imperial.ac.uk/research/hep>

Both posts are available from 1 July 2003 and will initially extend for two years. The salary, on the RA1A scale, will be in the range £18,265 to £27,339 plus £2,134 London Allowance per annum, depending on qualifications and experience.

Application forms are available either electronically or by post from Ms Paula Brown, tel: 020 7594 7823, email: paula.brown@imperial.ac.uk Please specify which post you are interested in.

Completed application forms should be sent, with a full curriculum vitae and a list of publications, to Ms Paula Brown, Imperial College London, Physics Department, Blackett Laboratory, Prince Consort Road, London SW7 2AZ.

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Faculty of Science Department of Physics and Astronomy

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- (ii) **Post ref 7020: Postdoctoral Research Fellowship in Theoretical Molecular Physics.**

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For further details about either of these posts log on to <http://physics.open.ac.uk/epic/home.html>

For further particulars, an application form and access details for disabled applicants, email science-recruitment@open.ac.uk

Please quote relevant reference number.

Closing date: 2 May 2003.

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University of Hamburg
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Experimental Physics



The Group Particle Physics and Detector Development invites applications for a permanent position

Experimental Particle Physicist (BATIb)

The group runs a lab for silicon detectors and performs research in radiation hard detectors and monolithic pixel detectors. Current activities include development and operation of the ZEUS microvertex detector and physics analysis of electron-proton collisions. Participation in experiments at future accelerators is envisaged.

The successful candidate is expected to lead the hardware activities of the group and to participate in the supervision of diploma and PhD students. Teaching requirements are 4 hours/week during the semester. Contributions to physics analysis are welcome.

Candidates should have a PhD in experimental particle physics, several years experience in particle physics experiments and an excellent research record.

Hamburg University is an equal opportunity/affirmative action employer and welcomes the application of qualified women. Handicapped applicants will be given preference in case of equal qualifications.

Applications including CV, academic records and list of publications should be sent before April 30th, 2003 to:

Prof. Dr. B. Sonntag
Institut für Experimentalphysik
Luruper Chaussee 149
D-22761 Hamburg

Further information can be obtained from (email) Peter.Schleper@desy.de (tel) +49(0)40 89982958

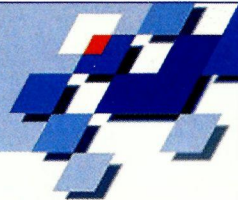
High Energy Physics
Postdoctoral Position



Colorado State University invites applications for experimental High Energy Physics research with Prof. Walter Toki. The primary activity will be the BaBar experiment at Stanford Linear Accelerator Center including data analysis, guiding students, software, shifts, detector subsystem participation, and development of a LINUX farm at CSU. The candidate would reside at CSU or SLAC, by mutual agreement. Applicants should provide a CV and arrange for three reference letters to be sent to Prof. Walter Toki, Colorado State University, Fort Collins, CO 80523, USA. Applications should be received by April 30, 2003 for full consideration.

For more details see <http://www.physics.colostate.edu/Employment/hepjob.pdf>

UNIVERSITÄT DORTMUND
FACHBEREICH PHYSIK



Im Fachbereich Physik ist zum 1.10.2003
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EXPERIMENTELLE PHYSIK (ELEMENTARTEILCHEN)
wiederzubesetzen.

Der Forschungsschwerpunkt der Bewerber/Bewerberinnen sollte auf dem Gebiet der experimentellen Teilchenphysik mit Schwerpunkt Astro-Teilchenphysik liegen.

Eine Beteiligung an Experimenten der Elementarteilchenphysik mit Beschleunigern wäre wünschenswert.

Eine Beteiligung an den Forschungsbändern der Universität Dortmund, z.B. dem Band „Modellbildung und Simulation“, ist möglich. Mitarbeit im Graduiertenkolleg "Physik der Elementarteilchen an Beschleunigern und im Universum" wird erwartet.

Ein angemessenes Mitwirken an Forschung, Lehre und Selbstverwaltung des Fachbereichs wird erwartet, ebenso Kooperationsbereitschaft mit den anderen experimentellen und theoretischen Arbeitsgruppen des Forschungsschwerpunkts Elementarteilchenphysik des Fachbereichs

Bewerber/Bewerberinnen müssen die Einstellungs Voraussetzungen gem. § 46 des Gesetzes über die wissenschaftlichen Hochschulen des Landes NRW (Habilitation oder habilitationsadäquate Leistungen) erfüllen.

Die Universität Dortmund strebt eine Erhöhung des Anteils von Frauen in Forschung und Lehre an und bittet deshalb Wissenschaftlerinnen nachdrücklich um Ihre Bewerbung.

Die Bewerbung geeigneter Schwerbehinderter ist erwünscht.

Bewerbungen mit Lebenslauf, wissenschaftlichem Werdegang, Schriftenverzeichnis und Angaben über die bisherige Lehrtätigkeit sind bis zum 15.5.2003 zu richten an den

Dekan des Fachbereichs Physik der Universität Dortmund, D-44221 Dortmund.

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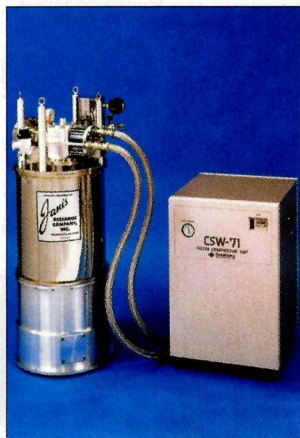
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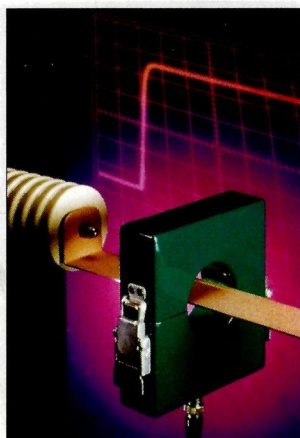


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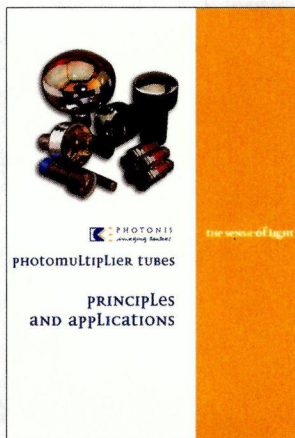


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Photonis

Basé à Brive, **Photonis** est l'un des leaders mondiaux du développement et de la fabrication de tubes photomultiplicateurs. A l'occasion de la nouvelle édition de notre livre d'applications, nous vous proposons de recevoir gratuitement cet ouvrage de 320 pages intitulé "Photomultiplier tubes - principes and applications". Originellement publié alors que **Photonis** faisait partie de **Philips Photonics**, cette référence populaire pour scientifiques et ingénieurs est également une très bonne introduction aux techniques de détection nucléaire.

Pour recevoir votre copie gratuite, merci de contacter Carole Marmonier, Photonis, BP 520 F-19106, Brive, France
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Visitez également notre nouveau site www.photonis.com

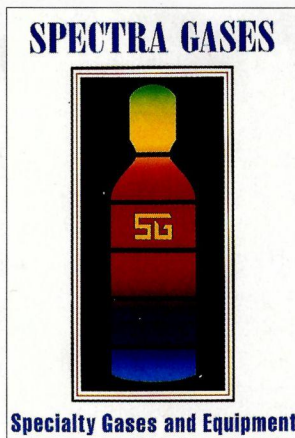


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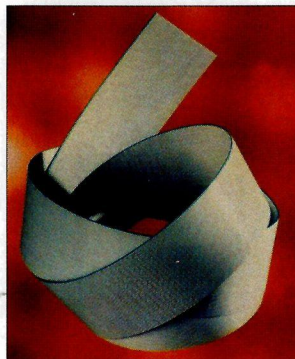
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