

RECRUITMENT

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UNIVERSITY OF TORONTO

RESEARCH ASSOCIATE POSITIONS Experimental High Energy Physics



The High Energy Physics group at the University of Toronto has two openings for Postdoctoral Research Associates on the ATLAS experiment. The Toronto group is actively involved in the ATLAS, ZEUS, CDF, and T2K experiments. The currently advertised positions are exclusively associated with ATLAS. Toronto is a major participant in the construction, installation and commissioning of the hadronic sections of the ATLAS forward calorimeter. In the coming years the focus will be on ATLAS commissioning, calorimeter performance, and physics analysis with the first LHC data in 2007. For one position, the successful candidate will be based in Toronto, with frequent travel to CERN. Relocation to CERN at some point during the initial phase of LHC running is possible, subject to funding. The other position will be based at CERN. Candidates should have completed a Ph.D. in experimental particle physics, and supply a resume, publication list, research plan, and arrange for three letters of reference to be sent to:

Ms. Winnie Kam
Department of Physics
University of Toronto
60 St. George Street
Toronto, Ontario
M5S 1A7 Canada.
Fax: (416) 978 8221
Email: kam@physics.utoronto.ca

For further information about the positions, please contact:
krieger@physics.utoronto.ca (North America),
teuscher@physics.utoronto.ca (Europe), orr@physics.utoronto.ca (Asia)

In accordance with Canadian immigration regulations, this advertisement is directed in the first instance to Canadian citizens or permanent residents. Nonetheless, all qualified applicants are encouraged to apply. The University of Toronto strongly encourages applications by women and members of minority and aboriginal groups.



Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich

The Institute for Theoretical Physics of ETH Zurich invites applications for a permanent position as a

Senior Scientist

in Theoretical Elementary Particle Physics, with particular emphasis on physics at present and future high energy colliders.

Tasks

The successful applicant is expected to carry out a high profile independent research program, and to maintain and strengthen the existing cooperation with the experimental ETH Institute for Particle Physics (H1 and CMS experiments).

Participation in the joint ETH/Zurich University graduate student training program in elementary particle physics is welcome.

Requirements

Applicants must hold a doctorate in theoretical physics. Several years of postdoctoral research experience which have established the applicant as an independent research leader are expected.

Position

The position is permanent and full-time.

Applications should be addressed to:

Prof. Jürg Fröhlich,
Departementsvorsteher,
D-PHYS,
ETH-Hönggerberg,
CH-8093 Zürich

Application deadline is **March 31, 2006**.

Enquiries concerning the position may be made to
Prof. Daniel Wyler
(wyler@physik.unizh.ch)



Postdoctoral Position at Syracuse University

The Syracuse University High Energy Physics group seeks to fill a Postdoctoral position involving activities within the VELO group in LHCb and the RD50 collaboration, both related to the installation and commissioning of the VELO detector and R&D towards novel Si precision tracking devices for future LHC upgrades. The work will be done mostly at Syracuse with possible stays at CERN. The Syracuse group is also involved in the CLEO-c experiment, thus physics analysis opportunities are available. The Syracuse group includes four faculty, two research faculty, two PostDocs and six graduate students.

Interested candidates should send their CV and arrange for three letters of recommendation to
Prof. Sheldon Stone
(stone@physics.syr.edu),
Syracuse University,
Physics Dept.,
201 Physics Bldg.,
Syracuse,
NY 13244-1130.

Syracuse University is an Affirmative Action/Equal Opportunity Employer



Experimental Research Associates

The Stanford Linear Accelerator Center (SLAC) is one of the world's leading laboratories supporting research in high energy physics. The laboratory's program includes the physics of high energy electron-positron collisions, high luminosity storage rings, high energy linear colliders and particle astrophysics.

Post doctoral research associate positions are currently available. Areas of research opportunity may include:

- B physics with the BaBar detector at PEP II.
- The particle astrophysics program focused on the gamma ray telescope GLAST and the dark energy experiment LSST.
- R&D toward a future linear collider detector.
- Neutrino-less double beta decay experiment EXO.
- SLAC participation in ATLAS.

These positions are highly competitive and require a background of research in high energy physics and a recent PhD or equivalent. The term for these positions is two years and may be renewed.

Applicants should send a letter stating their physics research interests along with a CV and three references to **Jean Lee, jeanlee@SLAC.Stanford.EDU, Particle and Particle Astrophysics, SLAC M/S 75, 2575 Sand Hill Road, Menlo Park, CA 94025 USA.**



ORGANISATION EUROPÉENNE POUR LA RECHERCHE
NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

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

**The Physics Department 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 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 submit an application form (including the names of two referees), along with a letter of motivation, curriculum vitae and a list of their ten most significant publications using the CERN e-recruitment system (<http://ert.cern.ch>) by 10 May 2006. This position is published under reference PH-DI-2006-14-LD.

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

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

Forschungszentrum Jülich
in der Helmholtz-Gemeinschaft



Wir sind das größte interdisziplinäre Forschungszentrum in Europa und arbeiten auf den Gebieten „Materie“, „Energie“, „Information“, „Leben“ und „Umwelt“.

Für unser Institut für Kernphysik (IKP) suchen wir zum nächstmöglichen Termin eine/n

DIPLOM-INGENIEUR/IN (Univ./TH/TU),
Fachrichtung Elektrotechnik oder Maschinen-
bau mit Kenntnissen und Erfahrungen in
Physikalischer Technologie, Magnettechnologie
und Kryotechnik

– Kennziffer 013/2006 –

In der Position
erwartet Sie:

Die Abteilung Kernphysikalische Großgeräte des IKP beschäftigt sich mit dem Betrieb und der Weiterentwicklung des Cooler-Synchrotron (COSY-Jülich) zur Bereitstellung von unpolarisierten und polarisierten Protonen- und Deuteronenstrahlen mit hoher Phasenraumdichte durch Elektronenkühlung und stochastischer Phasenraumkühlung zur Durchführung interner und externer Experimente der Mittelenergie- und Hadronenphysik. Zusätzlich zu diesen Hauptaufgaben betreibt die Abteilung Kernphysikalische Großgeräte, in Zusammenarbeit mit der GSI Darmstadt und der TSL Uppsala/Schweden, die Auslegung und die Entwicklungsarbeiten für den Hochenergie-Speicherring (HESR), einem Teil des neuen Ausbauprojektes „Internationale Beschleunigeranlage für Antiprotonen- und Ionenstrahlen (FAIR)“ für die GSI.

- Entwicklung, Test, Aufbau und Inbetriebnahme von supraleitenden Magneten
- Erarbeitung von Konzepten zur kryotechnischen Versorgung der supraleitenden Magnete
- nach Einarbeitung selbstständige und verantwortliche „Technische Projektleitung“ für Design und Entwicklungsarbeiten zum HESR
- Einbindung in den Betrieb und die Weiterentwicklung der Beschleunigeranlage COSY.

Wir erwarten
von Ihnen:

- Erfahrung in Design, Realisierung und Betrieb supra-leitender Magnete
- einschlägige Kenntnisse und Erfahrungen auf den Gebieten Magnettechnologie und Kryotechnik
- uneingeschränkte Strahlenschutztauglichkeit
- Eignung zur fachlichen Führung von Mitarbeitern
- Bereitschaft zu flexiblen Arbeitszeiten und der Übernahme von Rufbereitschaft
- Bereitschaft zur Mitarbeit in einem internationalen Team.

Die Stelle ist zunächst auf drei Jahre befristet.
Teilzeitbeschäftigung ist grundsätzlich möglich.

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Weitere Informationen unter: www.fz-juelich.de



DESY is world-wide one of the leading accelerator centres exploring the structure of matter. The main research areas range from elementary particle physics over various applications of synchrotron radiation to the construction and use of X-ray lasers.

For the experiments H1, ZEUS and HERMES at the ep collider HERA and for the preparations of the International Linear Collider ILC (accelerator and experiments) several

DESY Fellowships

at Hamburg and Zeuthen are announced. Young scientists who have completed their Ph.D. and are younger than 33 years are invited to submit their application including a resume and the usual documents (curriculum vitae, list of publications and copies of university degree). They should arrange for three letters of recommendation to be sent to the personnel department of DESY. The DESY Fellowships are awarded for a duration of 2 years with the possibility for prolongation by one additional year.

Salary and benefits are commensurate with public service organisations. DESY operates flexible work schemes, such as flexitime or part-time work. DESY is an equal opportunity, affirmative action employer and encourages applications from women. DESY has a Kindergarten on site.

Deutsches Elektronen-Synchrotron DESY

member of the Helmholtz Association

code: 21/2006 • Notkestraße 85 • D-22603 Hamburg • Germany

Phone: +49 40/8998-3392 • www.desy.de

email: personal.abteilung@desy.de

Deadline for applications: March 31, 2006



Faculty Position in Accelerator Physics

The National Superconducting Cyclotron Laboratory at Michigan State University is seeking outstanding candidates to fill a faculty position in accelerator physics. The successful candidate should provide a significant increase in the scope and depth of the MSU accelerator physics program, play a leadership role in developing future facility upgrade options, and contribute to the accelerator physics graduate education program at MSU.

The NSCL is the premier rare isotope facility in the U.S. The Laboratory has the tradition of close interaction between groups providing an ideal mix of cutting-edge technical infrastructure and an intellectually stimulating open academic environment.

The accelerator physics group is comprised of 2 faculty and 9 professional scientific staff. Accelerator physics R&D has strong infrastructure support from experienced design and manufacturing groups. A strong program of R&D in superconducting rf technology has been developed with necessary facilities in place. Theoretical and experimental research on space charge dominated beams is being pursued. A strong program on linac and cyclotron design for basic research and medical applications have been a core activity in the laboratory for many years.

Depending upon the qualifications of the successful applicant, the position can be filled at the assistant, associate, or full professor level. Applicants please send a resume, including a list of publications, and the names and addresses of at least three references directly to

Professor Richard York, Associate Director for Accelerators, National Superconducting Cyclotron Laboratory, Michigan State University, 1 Cyclotron, East Lansing, MI 48824-1321. For more information, see our website at <http://www.nscl.msu.edu>.

Michigan State University is an Affirmative Action/Equal Opportunity institution. Women and minorities are especially encouraged to apply.

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GSI Darmstadt one of the leading laboratories in heavy ion and hadron physics, member of the Helmholtz Association invites applications for a

Senior staff member in experimental heavy ion physics

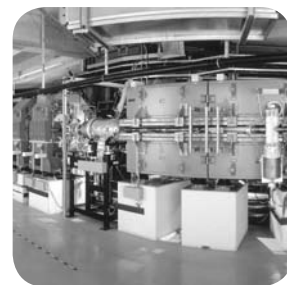
Ref. No.: 1100-06.11

We are seeking an outstanding individual with expertise and demonstrated track record in the area of relativistic heavy ion physics. The successful candidate will develop and lead a physics program with the ALICE detector which is currently being built with strong GSI participation at the CERN LHC. He/she will also coordinate the ALICE tier 2 analysis center which will be setup at GSI. Significant experience with large scale computing is a prerequisite for this position.

GSI is an equal opportunity, affirmative action employer and encourages applications of women. Disabled applicants will be given preference over other applicants with comparable qualifications.

Applications including curriculum vitae, list of publications and statement of research and teaching experience should be sent not later than **March 31, 2006** to

GSI
Darmstadt



Gesellschaft für
Schwerionenforschung mbH
Personalabteilung
Ref. No.: 1100-06.11
Planckstraße 1
64291 Darmstadt/GERMANY



FACULTY POSITION IN COSMOLOGY/PARTICLE ASTROPHYSICS

Department of Physics
University of California, Riverside

The Department of Physics at the University of California, Riverside, is seeking an outstanding individual for a faculty appointment in the area of cosmology/particle astrophysics. This appointment will initiate a new program at UCR, which will complement existing programs in Astronomy, Astrophysics and Elementary Particle Physics. The appointment will be at the Assistant, Associate or Full Professor rank, as appropriate. The appointment will be effective July 1, 2006.

We encourage applications from candidates capable of instituting and sustaining a vigorous research program, and having an outstanding record of research achievement and leadership in one or more areas relevant to the field, such as dark matter or dark energy, structure formation, or the early universe. Candidates are also expected to support the training of graduate students and teach at the undergraduate and graduate levels.

Salary will be competitive and commensurate with qualifications and level of appointment.

Applicants should submit curriculum vitae, list of publications, statement of research and teaching objectives, and names and addresses of four references. Applications should be directed to: **Chair, Cosmology Search Committee, Department of Physics, University of California, Riverside, 3401 Watkins Drive, Riverside, CA 92521-0413**

Review of applications will commence on February 1, 2006, but the position will remain open until filled. For more information please visit the UCR web site at www.ucr.edu, the College of Natural and Agricultural Sciences at www.cnas.ucr.edu, and the Department of Physics at <http://www.physics.ucr.edu/>.



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Acqiris is a Swiss company founded in 1998 by a group of dynamic individuals with extensive experience in the electronic test and measurement markets. We specialize in the development, design, and manufacture of high-speed and high-precision digitizers. Since the introduction of its first products in 1999, Acqiris has entered market segments ranging from fundamental research to product development at laboratories, universities, industry, and OEMs. As our customer base continues to grow, so does the demand for our expertise.

This creates an immediate opening in our Geneva headquarters for a

CUSTOMER SUPPORT SPECIALIST

- Higher degree in Physics or Electronic Engineering or equivalent
- Experience with hardware and software of digitizers or oscilloscopes
- Previous experience in high-frequency and/or high-resolution electronics would be an advantage
- Excellent written and spoken English as well as fluency in either French or German.
- Enthusiasm for helping customers solve their technical problems

The Support task may well be combined with other responsibilities in areas such as User Documentation, our Quality System, Metrology, and/or Software Test.

If you believe your motivation and experience would be an asset in our challenging environment, please send us a letter with a resume to:

Acqiris (Suisse) SA - Human Resources
18, chemin des Aulx CH-1228 Plan-les-Ouates-Switzerland
Email: human.resources@acqiris.com

Visit us at www.acqiris.com and find out more about our company and its products.

CERN COURIER

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In 2006 *CERN Courier* introduced a special classified advertising rate to assist in your communication needs.

CERN Courier offers you access to readers in the world's major physics research sites and the opportunity to run a modest advertisement at a low cost. Many organizers have appreciated how *CERN Courier* has helped to raise the profile of their events and significantly increased the number of delegates.

For further information and consultation advice on classified advertising in *CERN Courier* and the Web options that we offer, please contact Adam Hylands.

Tel: +44 (0)117 930 1027

E-mail: adam.hylands@iop.org

Computational Scientist/Software Engineer (VN2808)

The computational science and engineering activities within CCLRC provide world-class expertise and support for UK theoretical and computational science communities, in both academia and industry. The Computational Science and Engineering Department located at both the Daresbury and Rutherford Appleton Laboratories (www.cse.clrc.ac.uk) is developing a new software engineering programme to support these major applications and has a position available for a Computational Scientist/Software Engineer.

If you have a keen interest in developing advanced software in a scientific environment, or in the use of software engineering tools to aid software design and implementation, we would like to hear from you.

We are looking for a good science graduate, whose degree and experience have a strong component of computation, software engineering or program development processes. You will be a self-starter with the ability to work in small teams and possess good written and oral communication skills. A PhD and research experience would be a distinct advantage.

The starting salary will be between £17,443 and £26,911 per annum (pay award pending) dependent on experience. An excellent index-linked pension scheme and generous leave allowance are also offered.

Application forms can be obtained from: HR Operations Group, CCLRC, Chilton, Didcot, Oxfordshire, OX11 0QX. Telephone +44 (0)1235 445435 (answer phone) or email recruit@rl.ac.uk quoting reference number VN2808.

All applications must be returned by 9 March 2006.

Interviews will be held end of March 2006.



INVESTOR IN PEOPLE

www.cclrc.ac.uk

2 Year Postdoc Fellowships at the European Gravitational Observatory (EGO)

Virgo is a gravitational wave detector aiming at the detection of gravitational waves generated by galactic and extra-galactic astrophysical sources. It is based on a laser interferometer with arms 3 km long & located at EGO near Pisa in Italy.

Suspension Control (Ref. FL-CM-01)

- Participate to the commissioning of the interferometer within the general goal of reaching the interferometer design sensitivity and operate the interferometer for long scientific runs (preparation of data taking periods & detailed analysis of the suspension control system performances during these periods).
- Develop & implement the mirror suspensions control.
- Study & reduce the noise related to these controls.
- Develop automatic procedures to allow the operator team to operate, monitor and diagnostic the suspensions control system.
- Required background in control systems, electronics, mechanics and interferometry. A PhD thesis in the field of interferometers gravitational wave detection with laser & in particular on subjects such as mirror suspension systems, suspended cavities control and interferometer noise hunting would be a title of merit. Fluent English required.

Environmental Monitoring (Ref. FL-CM-02)

- Fellowship dedicated to the commissioning & development of the environmental noise monitoring system.
- Participate to the commissioning of the interferometer within the general goal of reaching the interferometer design sensitivity & operate the interferometer for long scientific runs study & reduce the effect of such noise on the Virgo interferometer.
- Maintain, characterize & improve the existing set-up for the environmental noise monitoring.
- Study the coupling of the environmental disturbances into the interferometer output signals & propose strategy to reduce this coupling.
- Develop automatic procedures required to allow the non-expert people, to operate, monitor and diagnostic the environmental monitoring system.
- Required background in sensing devices, electronics, signal processing and interferometry. A PhD thesis in the field of gravitational wave detection with laser interferometers & in particular on subjects such as sensing devices, environmental noise monitoring and interferometer noise hunting would be a title of merit. English required.

To apply send CV using the EGO Application Form, to be found at http://www.ego-gw.it/public/organization/jobs/Employment_App_Form.doc to jobs@ego-gw.it asap quoting the vacancy ref.

UNIVERSITY of GLASGOW

DEPARTMENT OF PHYSICS AND ASTRONOMY

Research Assistant

£20,044 – £30,002

A 34 month position is available to develop "3D" silicon detectors for use in the Diamond Light Source Synchrotron. You will have (or expect soon to receive) a PhD, or have an equivalent level of experience, in experimental particle physics or semiconductor detector development for a related discipline. You will be expected to design, develop and test innovative radiation detection structures and systems. In addition a modest involvement in Departmental Teaching is expected. The post is based in Glasgow but will involve periods of work at the Diamond Light Source, and elsewhere.

For further information on the post and method of application please see <http://ppewww.ph.gla.ac.uk/3DRA.html> Informal enquiries can be made to Dr Chris Parkes, email: c.parkes@physics.gla.ac.uk quoting Ref 11959/DPL/A3. Closing date: 28 February 2006.

The University is committed to equality of opportunity in employment.

www.gla.ac.uk



Postdoctoral Position in Experimental Low-Energy Particle Physics at Indiana University



The Nuclear Physics group at Indiana University is seeking a strongly motivated experimentalist for a postdoctoral position, available immediately. The successful applicant will be expected to be actively involved in low-energy, "table top" particle physics experiments: a new search for the electric dipole moment of the electron using a paramagnetic solid sample; and development of a solid-oxygen based source of ultracold (neV) neutrons for fundamental physics measurements. Responsibilities will involve several aspects of each project, ranging from design and construction tasks to data acquisition and analysis, making use of techniques from cryogenics, condensed matter and neutron physics, and high-voltage and low-noise electronics. Experience in one or more of these techniques is preferred but not essential.

Initial appointment will be for one year, with possible renewal for up to two additional years. A Ph.D. in experimental physics is required. Applications will be accepted on a continuing basis until the position is filled. Applicants should submit a CV and a statement of research interests, and arrange to have three letters of recommendation sent to:

Prof. C-Y Liu

Indiana University Cyclotron Facility

2401 Milo B. Sampson Lane, Bloomington, IN 47408

tel: 812-855-2896, fax: 812-855-6645 or electronically (preferred) to CL21@indiana.edu.



Indiana University is an Equal Opportunity/Affirmative Action Employer, with a strong commitment to excellence through diversity.



Post-doctoral/Software Specialist Positions in Experimental High Energy Physics University of Texas at Arlington

The High Energy Physics group at the University of Texas at Arlington (UTA) is looking for candidates for post-doctoral associate positions and /or software specialist positions to work on the ATLAS Experiment at CERN, Geneva, Switzerland. The UTA group contributes to many areas in ATLAS: Calorimetry, as a Tier 2 computing center, distributed computing for data analysis and Monte Carlo production, as well as data taking and physics analyses.

The successful candidates will specifically be expected to play a leading role in the development of a distributed data analysis and production system, participate in distributed computing operations, and act as consultants for physicists using the developed systems, providing documentations and tutorials. The successful candidates are expected to interact with the existing group members. Applicants should have excellent knowledge of programming languages as well as a recent Ph.D in experimental high energy physics or computer science with strong interests in basic research. Expertise in python is desirable.

Applications should include a curriculum vitae, publication list, and statement of research interests. Candidates should have at least three letters of references sent directly to jaehoonyu@uta.edu or

Dr. Jae Yu, Dept. of Physics, SH108, University of Texas, Arlington, TX 76019, USA

These positions are available immediately. Please email all materials to jaehoonyu@uta.edu.

Please contact **Dr. Kaushik De** (kaushik@uta.edu, 817-272-2813) or **Dr. Jae Yu** (jaehoonyu@uta.edu, 817-272-2814) for more information.

UTA is an Equal Opportunity and Affirmative Action Employer.



Hall D Group Leader

Jefferson Lab, located in Newport News, Virginia, USA, is a world-class scientific laboratory centered around a high-intensity, continuous wave electron beam, which provides a unique capability for nuclear physics research. The lab is managed for the Department of Energy by the Southeastern Universities Research Association.

Currently, we have an excellent opportunity for a Hall D Group Leader to provide overall management of Hall D including the physics program and experimental equipment project from the R&D phase through construction and operation. Incumbent will serve as a member of the 12 GeV Upgrade Project Team with responsibility for planning and delivering the Hall D scope of work within cost and on schedule; provide coordination and communication between the GlueX collaboration management and the Laboratory; provide scientific leadership in developing an experimental program of high scientific relevance at Jefferson Lab, and present it to the larger nuclear physics and scientific communities. Incumbent will oversee the commissioning and operation of the Hall D experimental equipment, including the Hall D detector, beamline instrumentation, and other ancillary devices; and create/maintain a positive EH&S culture and implement and maintain a self assessment program. Incumbent will supervise the Hall D staff including scientific staff, postdoctoral researchers, and the engineering and technical staff; act as contact person for user groups.

Minimum Qualifications:

Ph.D. in Experimental Nuclear or Particle Physics or the equivalent combination of education, experience, and specific training. At least ten years of professional experience in intermediate energy nuclear/particle physics or a closely related area, of which a minimum of three years is in management of an internationally recognized nuclear/particle physics research group. Technical experience with a broad variety of equipment, detectors, targets and experimental programs associated with nuclear/particle physics. Scientific excellence as demonstrated by extensive publication in nuclear/particle physics, and demonstrated supervisory, planning, problem solving, decision making, and communication skills. Capable of quickly acquiring a comprehensive knowledge of Hall D instrumentation and detailed familiarity with the Hall D physics program. Significant project management experience is highly desirable.

**For prompt consideration, apply on-line at: www.jlab.org/jobline/
Fax: 757-269-7559**

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Deutsches Elektronen-Synchrotron
Radio Frequency XFEL



DESY is world-wide one of the leading accelerator centres exploring the structure of matter. The main research areas range from elementary particle physics over various applications of synchrotron radiation to the construction and use of X-ray lasers.

The group MSK is responsible for synchronisation, timing and beam-feedback systems of the DESY accelerators and the rf control for the VUV-FEL and the European XFEL. For our Hamburg location we are seeking a

Scientist

for the design and development of the low level RF (LLRF) systems for the almost 1000 superconducting cavities of the European XFEL project. In the framework of this project the candidate will – following a period of training – support the VUV-FEL operations group in operation of the LLRF systems. The support activities include the finding of LLRF system performance issues and implementation of appropriate countermeasures as well as the development of innovative concepts to improve the LLRF performance such as implementation of new feedback loops or improvement of existing control algorithms and redesign of hardware. A strong team which codes the algorithms for the FPGAs in VHDL and develops FPGA based hardware exists already. The experience gained at the VUV-FEL will be used for the development work for the XFEL.

The candidate should hold a Ph.D. in physics or electrical engineering and have several years of experience in the area of control theory, rf/microwave engineering, microprocessor/signal processing techniques, and their application in accelerator technology. Excellent communication, organisational and planning skills as well as working experience in a multidisciplinary international team are an essential prerequisite for the advertised position. If this position seems interesting for you, please send your complete application papers to our personnel department. Further information may be obtained by Mr. Simrock on +49 40/8998-4556.

The position is limited to 3 years.

Salary and benefits are commensurate with public service organisations. DESY operates flexible work schemes, such as flexitime or part-time work. DESY is an equal opportunity, affirmative action employer and encourages applications from women. DESY has a Kindergarten on site.

Deutsches Elektronen-Synchrotron DESY

member of the Helmholtz Association
code: 22/2006 • Notkestraße 85 • D-22603 Hamburg • Germany
Phone: +49 40/8998-3392 • www.desy.de
email: personal.abteilung@desy.de

Deadline for applications: March 31, 2006

Classified advertising

CERN Courier and cerncourier.com offer the only print and online recruitment service that has a direct route to highly skilled job seekers in high-energy physics and related areas.

“CERN Courier is one of the best media to reach and attract the cutting-edge scientific profiles we're looking for at the ESRF.

Advertising in CERN Courier adds value to our recruitment.” Cécile Davan, Recruitment advisor, ESRF

“DESY has chosen CERN Courier to advertise in because of the popularity of the magazine – it is read all over the world. It is a great opportunity to advertise in such a prestigious publication and to reach outstanding scientists and fellows.” Christina Grimm, Human Resources, DESY

For further information please contact **Adam Hylands** Tel: +44 (0)1179 301 027 Fax: +44 (0)1179 200 726 E-mail: adam.hylands@iop.org

GSI Darmstadt one of the leading laboratories in heavy ion and hadron physics, member of the Helmholtz Association invites applications for a

Staff member in experimental heavy ion physics (tenure track)

Ref. No.: 1100-06.10

We are seeking an outstanding individual with demonstrated expertise in the area of relativistic heavy ion physics and experience with large detector systems. He/she is expected to participate in the research program on hadronic matter at high baryon density currently pursued with the FOPI detector at GSI. The successful candidate will play an important role in the upgrade and future physics program of the FOPI detector as well as in the design and construction of future experiments in this field at FAIR. The position is limited to a term of 5 years.

GSI is an equal opportunity, affirmative action employer and encourages applications of women. Disabled applicants will be given preference over other applicants with comparable qualifications.

Applications including curriculum vitae, list of publications and statement of research and teaching experience should be sent not later than **March 31, 2006** to

GSI
Darmstadt



Gesellschaft für
Schwerionenforschung mbH
Personalabteilung
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DIRECTOR OF RHIC/US ATLAS COMPUTING FACILITY

The Physics Department at Brookhaven National Laboratory invites applications for the position of Director, RHIC/US ATLAS Computing Facility.

The RHIC Computing Facility and the US ATLAS Tier 1 Center are co-located and co-operated in the Physics Department at Brookhaven National Laboratory. This joint facility is responsible for supplying computing support to the RHIC experiments at BNL and to US participation in the ATLAS experiment at the CERN LHC. The facility is committed to using Grid computing technology to making its resources available and is one of the lead institutional participants in the Open Science Grid.

Responsibilities of this position include establishing organizational structures, approving the hiring of all staff, translating institutional, agency and user requirements into specific technical and managerial goals, overseeing planning processes directed toward accomplishing those goals, and representing the facility and its interests in a wide range of venues.

Brookhaven seeks a leader in the field of scientific computing. Qualified candidates must have an in depth grasp of modern high performance computing technology and the experimental nuclear and particle physics mission to which it is being applied. They must have demonstrated organizational, managerial, and leadership skills in the context of a major scientific/technical project. A Ph.D. is required, along with significant relevant experience.

The starting date for the position is flexible. Please send a CV and three letters of recommendation, before May 1, 2006, electronically to: dawson@bnl.gov or mailed to: S. Dawson, Chair, Physics Department, Bldg. 510 Brookhaven National Laboratory, Upton, NY 11973-5000. Documents need to be received by May 1, 2006. BNL is an equal opportunity employer and encourages all qualified candidates to apply.

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