

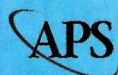
RECRUITMENT

For advertising enquiries, contact *CERN Courier* recruitment/classified, Institute of Physics Publishing, Dirac House, Temple Back, Bristol BS1 6BE, UK.

Tel: +44 (0)117 930 1028. Fax: +44 (0)117 930 1178. E-mail: sales@cerncourier.com.

Rates per single column centimetre: mono \$66/€72/£44, single colour \$69/€75/£46, full colour \$72/€78/£48. Please contact us for more information about publication dates and deadlines.

EDITORIAL POSITION, PHYSICAL REVIEW LETTERS



AN ALTERNATIVE SCIENCE CAREER

Physical Review Letters seeks a dynamic and personable colleague to join its editorial staff in Ridge, New York (near Stony Brook and Brookhaven).

Duties will include participation in all aspects of the peer-review process by which manuscripts are selected for publication. Candidates should possess a Ph.D. in physics, an excellent command of written and spoken English, and familiarity with research publication. Postdoctoral experience is desirable. No prior editorial experience is required for this entry-level position – we train all new editors to develop the necessary skills. As experience is gained, this position will evolve into independent responsibility for a subset of submitted manuscripts. We offer career stability, a competitive salary, and an outstanding benefits package to a qualified individual ready to start a non-traditional career in physics.

Send your resume plus cover letter containing salary requirements and timetable of availability to:

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

For general information about the American Physical Society
and its journals, see www.aps.org.

ASSISTANT PROFESSOR

EXPERIMENTAL PARTICLE ASTROPHYSICS

ENRICO FERMI INSTITUTE

The Enrico Fermi Institute is seeking applicants for a tenure-track position at the rank of Assistant Professor in the field of experimental particle astrophysics, or a closely allied field, commencing with the Autumn 2004 Quarter. Some of the present activities in this area within the Enrico Fermi Institute include the VERITAS high energy gamma-ray observatory and the Auger project for observations of ultra-high energy cosmic rays.

Qualified applicants in any area of experimental particle astrophysics are encouraged.

Interested candidates should send CV, statement of research interests and goals and arrange for 3 letters of reference to be sent to: Director, Enrico Fermi Institute, 5640 S. Ellis Av., Chicago, Illinois, 60637.

Applications and references should be submitted by October 15th.

The University of Chicago is an equal opportunity employer.

THE UNIVERSITY OF CHICAGO



RESEARCH SCIENTIST

TRIUMF, Canada's National Laboratory for Particle and Nuclear Physics, has an immediate opening for a Research Scientist to lead its current particle physics effort based upon its cyclotron. The initial focus will be the

TRIUMF Weak Interaction Symmetry Test (TWIST), and for the longer term, the scientist will be expected to participate in the development of a major national data-handling centre for particle physics experiments, which is currently in the planning stages.

A recent PhD in experimental, nuclear or particle physics with strong abilities in detector technology and data analysis is required. In particular, the candidate will have a strong record in on-line/off-line data-handling, data analysis and software development involving large data-sets, and will have demonstrated the ability to carry out such tasks to the stage of publication of physics results. The initial appointment will be for a two-year renewable term, leading to a continuing appointment (tenure track) after five years. The successful candidate will be eligible to apply for NSERC peer-reviewed funding and will be encouraged to develop his/her own proposals.

The position will be based at **TRIUMF**, located in Vancouver, British Columbia. Applications from qualified candidates should include a detailed CV and three reference letters sent separately to the following address, or fax, prior to **September 30, 2003**. **TRIUMF Human Resources, Competition No. 907, 4004 Wesbrook Mall, Vancouver, B.C. V6T 2A3 Canada. Fax: (604) 222-1074. Please do not send electronic applications.**

In the event where two final applicants are equally qualified, preference will be given to a Canadian citizen or permanent resident. **EOE**

POSTDOCTORAL RESEARCH ASSOCIATE

KANSAS STATE UNIVERSITY DEPARTMENT OF PHYSICS

Applications are invited for a Post-Doctoral Research Associate position with the experimental high-energy physics group of Kansas State University. Our group is currently active in the analysis of D0 data from the Fermilab Tevatron, in the D0 Run IIb upgrade, in the construction of the CMS silicon tracker. We are also launching new R&D efforts in e+e- linear collider and reactor neutrino physics.

The successful candidate will play a strong role in the analysis of D0 data and will seek leadership opportunities in linear collider detector R&D.

The position requires a Ph. D. in experimental particle physics. Applicants should send curriculum vita, a list of publications, and arrange to have three letters of recommendation sent to:

Professor Eckhard von Toerne, Department of Physics,
116 Cardwell Hall, Kansas State University, Manhattan, KS 66506-2601,
evt@phys.ksu.edu, phone 785-532-1644.

Screening of applications will begin July 31, 2003 and continues until the position is filled.

Kansas State University is an affirmative action/equal opportunity employer and actively seeks diversity among its employees.

NEED TO RECRUIT?

E-mail Reena Gupta: reena.gupta@iop.org



DESY is one of the leading accelerator centers worldwide. The research spectrum ranges from elementary particle physics and solid state physics to molecular biology.

For the participation in the operation and development of HERA we are seeking a

PhD Physicist (m/f)

HERA is for the time being the only high energy particle collider in Europe and the only lepton-hadron collider in the world. For further improvement and development of this exciting machine, we are looking for a physicist with good general knowledge in physics for a postdoc position. Experience in accelerator physics is desirable but is no condition. The aim is to support the achievement of higher luminosity and higher degree of beam spin polarization. We expect the willingness to work on new topics, to work in a team, and to support accelerator operation by the participation in scientist-shift services. Your health should also permit the use of a breath protection mask. If you fulfil all these requirements, please send your letter of application to our personnel department. The position is limited to 2 years (postdoc position, a 1-year extension is possible).

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.

Deutsches Elektronen-Synchrotron DESY

member of the Helmholtz Association

code: 25/2003 • Notkestraße 85 • D-22603 Hamburg • Germany

Phone +49 40/8998-3187 • www.desy.de

email: personal.abteilung@desy.de

Deadline for applicants: 30.09.2003

Massachusetts Institute of Technology

The Laboratory for Nuclear Science at MIT has two openings for postdoctoral research associate positions with the Medium Energy Physics Group.

This group is starting a new involvement in the spin physics program at RHIC at BNL within the STAR experiment. This effort focuses on the collision of polarized protons at center-of-mass energies from 200GeV to 500GeV to gain a deeper understanding of the spin structure of the proton in a new, previously unexplored territory.

The first polarized proton run in January 2002 is the beginning of a multi-year experimental program at BNL which aims to address a variety of topics related to the nature of the proton spin such as the gluon contribution to the proton spin, flavor decomposition of the quark and anti-quark polarization and the transverse spin dynamics of the proton.

The successful applicant is expected to take a leading role in data analysis and/or in detector development. Preference will be given to applicants with previous experience in C++ programming.

A Ph.D. in experimental high energy nuclear or particle physics is required.

Interested candidates should provide a curriculum vita, a brief description of research interests and arrange to have three letters of recommendation sent to:

Medium Energy Group, Professor Robert P. Redwine
Room 4-110 MIT, 77 Massachusetts Avenue
Cambridge, MA 02139-4307

MIT is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities. MIT is a non-smoking environment.

Deadline: August 30, 2003

PARTICLE PHYSICS DIVISION HEAD

Fermi National Accelerator Laboratory, dedicated to fundamental research in particle physics and related fields, and home to the world's highest energy accelerator, has an exceptional professional opportunity available to lead one of its four major scientific divisions.

The Particle Physics Division (PPD) Head will lead a staff of more than 550 physicists, engineers and technicians skilled in building and operating high energy particle physics experiments. Specific centers of excellence are the group that designs ASICs (application specific integrated circuit) for experimental physics and the SiDet (silicon detector) facility, which is unsurpassed in the design, construction and assembly of silicon microstrip and pixel detectors. Various research and development projects in the Division advance new experimental initiatives or detector concepts for the longer future. The two excellent theoretical physics groups in the PPD, one in particle physics and one in astrophysics, have close connections with the experimental research program.

PPD is also responsible for the detector aspects of the CDF and DZero Collider experiments currently running at the Tevatron, for the neutrino experiments MiniBooNE and MINOS, and for a selective fixed target and test beam program based on the 150 GeV Main Injector accelerator. The PPD is also preparing to build the CKM and BTeV experiments to explore quark flavor physics at the end of the decade. In addition to these experiments associated with the Fermilab accelerator complex, the Division is host to the US component of the CMS (Compact Muon Solenoid) experiment at the Large Hadron Collider at CERN. Physicists in the particle Physics Division lead many of these experimental efforts.

The selected individual must have demonstrated ability to lead a large team in a research environment. The candidate should have a broad and deep understanding of the present state of particle physics, detectors and physics collaborations in order to participate in key decisions about directions for the Division and, more broadly, for the Laboratory. Fermilab is managed by the Universities Research Association for the US Department of Energy. Experience in managing within a government laboratory or a university to standards set by federal, state and local agencies is highly desirable. A Ph.D. or equivalent experience in particle physics is required. Reporting through the Associate Director for Research to the Laboratory Director, the PPD Head is responsible for maintaining very high safety standards in all work done within the Division.

Located 40 miles west of downtown Chicago, we offer a competitive salary and excellent benefits package. For consideration, please forward a curriculum vitae, the names of three references and a letter of interest to: **Dr. Hugh Montgomery, Associate Director for Research, MS 105, Fermi National Accelerator Laboratory, P.O. Box 500, Batavia IL 60510-0500, USA.** To access Employment Opportunities at Fermilab and a complete description of this position, our URL is [<http://fnalpubs.fnal.gov/employ/jobs.html>]. EOE M/F/D/V.



Fermilab

RESEARCH ASSOCIATES IN EXPERIMENTAL PARTICLE PHYSICS

3-year fixed-term contracts at the Rutherford Appleton Laboratory (RAL)

The Particle Physics Department at the CCLRC Rutherford Appleton Laboratory invites applications for two Research Associate positions in particle physics to work on the Level-1 and Level-2 triggers for the ATLAS experiment. The successful applicants will be based at RAL, but may have the opportunity to spend time at CERN. Appointments will be for three years.

The Level-1 work covers the specification, design and testing of individual electronic modules through to commissioning and integration of the system ready for physics, particularly the assembly and testing of the final trigger prototype. The Level-2 work covers the development of optimized event-selection and data-integration code and the integration and commissioning of the system ready for data-taking. Both appointees will be expected to contribute to other areas of the project, and will be encouraged to take an active interest in related LHC-physics studies.

Further information about these posts can be found at: <http://www.cclrc.ac.uk/activity/jobs>

Applicants should have a PhD in experimental particle physics, or have equivalent experience.

The starting salary for these posts is up to £25,790, depending on experience, on a pay range from £20,630 to £28,370, (pay award pending). An excellent index-linked pension scheme and a generous leave allowance are also offered.

Application forms can be obtained from Operations Group, HR Division, Rutherford Appleton Laboratory, Chilton, Didcot, Oxfordshire OX11 0QX, telephone +44 (0)1235 445435 (answerphone), or e-mail recruit@rl.ac.uk, quoting reference VN2424. More information about CCLRC is available from <http://www.cclrc.ac.uk>

All applications must be returned by 26th August 2003.

Interviews will be held during September 2003.

CCLRC is committed to Equal Opportunities and a no-smoking policy is in operation.



Explore

Link

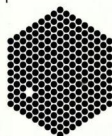
Digest

Browse

Search

Bookmark

cerncourier.com



EMBL

Hamburg Outstation, Germany

The European Molecular Biology Laboratory (EMBL), an international research organisation with its Headquarters Laboratory in Heidelberg (Germany), Outstations situated in Grenoble (France), Hamburg (Germany) and Hinxton (UK), and a Research Programme at Monterotondo (Italy) has the following vacancy **at the Hamburg Outstation:**

STAFF SCIENTIST IN INSTRUMENTATION OF BIOLOGICAL SYNCHROTRON RADIATION APPLICATIONS (ref. no. 03/70)

The EMBL Hamburg Instrumentation group designs, builds and maintains synchrotron radiation beam lines and instruments associated with them for research in structural biology. The present beam lines are at the DORIS-III ring, and participation in the improvement and maintenance of these stations will be part of the tasks. Within the near future there will be the possibility to build high brilliance undulator beam lines at the PETRA ring, which will be reconfigured to become a dedicated third generation synchrotron radiation facility with world-wide unique properties (www-hasylab.desy.de). EMBL's major future project will be to plan, to design and to construct beam lines at this new source for different research activities in life sciences. The successful candidate is expected to critically contribute at all stages of this challenging project, which involves aspects of X-ray optics, vacuum technology, automation and robotics.

Applicants should have a Ph.D. or equivalent degree, in physics or a related discipline. Experience in the design, installation and operation of synchrotron radiation beamline instrumentation is required. Skills in electronics and programming would be advantageous. The candidate should have excellent capabilities to integrate into a multidisciplinary and international research environment. She/he should be teamwork-oriented with excellent communication skills, and the capacity for leadership in some projects.

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

Further information can be obtained from Dr. Christoph Hermes, fax: ++49 40 89902 149; email: Hermes@embl-hamburg.de; Web site: [www: http://www.embl-hamburg.de](http://www.embl-hamburg.de).

Applicants should submit a CV, including a description of current and planned research activities, and the names and addresses of 3 referees, before 1 November, quoting ref. no. 03/70, to:

**The Personnel Section, EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany. Fax: +49 6221 387 555.
email: jobs@embl-heidelberg.de <http://www.embl.de>**

CERN COURIER

CERN Courier is read in every major physics research institution around the world, so if you want to maximize the impact of your advertising message, this is the ideal publication for you.

For your copy of the *CERN Courier* 2003 media pack, please contact our sales team:

**CERN Courier
Institute of Physics
Publishing**

Dirac House, Temple Back,
Bristol BS1 6BE, UK.
Tel: +44 (0)117 930 1031
Fax: +44 (0)117 930 1178
E-mail: sales@cerncourier.com
Web: cerncourier.com

The Netherlands Organization for Scientific Research (NWO) promotes and supports research of high quality in the Netherlands, both fundamental and applied in all fields. International orientation is a key concern.



The Square Kilometre Array (SKA) is a visionary international project to develop a next-generation world radio telescope with a collecting area of one million square metres. An International SKA Consortium representing twenty-four institutes in eleven countries are partners in a cooperative research and development program toward construction of the SKA. In Europe, the partners in the different countries are organized in the European SKA Consortium.



ASTRON coordinates the Dutch involvement in the European SKA Consortium and through an early involvement in the study of the so-called Aperture Array concept, now adopted as the European SKA concept, is a key player in its further development. To lead these efforts, ASTRON is seeking an individual for the position of Program Manager within the Technical Lab. The position will be executed from ASTRON in the Netherlands and also involves coordination of the R & D SKA activities in the European Consortium.

ASTRON SKA Program Manager

for the International Square Kilometre Array Project

The ASTRON SKA Program Manager will

- lead the SKA program at ASTRON and coordinate these activities as part of the European SKA effort
- develop the scientific goals and requirements of the European effort in collaboration with the European

SKA Consortium and the International SKA Project Office

- coordinate and stimulate European SKA activities to achieve a structured and efficient European development effort resulting in a competitive design concept that meet scientific, engineering, political, and cost goals. Suggest possible alternatives, in collaboration with the European SKA Consortium and the international SKA Engineering and Management Team
- lead generation and approval of the project plan for concept development including implementation. Information on the SKA project can be found at <http://www.skatelescope.org>.

The appointment is funded by ASTRON and the European SKA Consortium for at least two years and the appointee is located in Dwingeloo as NWO employee. The Program Manager will report internally for the ASTRON activities and externally to the European SKA Steering Committee, which has ultimate responsibility for the European SKA development.

We are seeking an individual with a PhD in astronomy, astrophysics, physics or engineering, or equivalent experience, with proven management skills in an R&D environment, preferably with a record of achievement in radio astronomy instrumentation, and a flexible team player with good interpersonal and communication skills.

Applications for the position should be sent to Prof Dr H. Butcher, Chairman of the EuSKAC and Director of ASTRON, ASTRON, P.O. Box 2, 7990 AA Dwingeloo, The Netherlands. Applications received before August 1, 2003 will be given full consideration. Please mention the jobposition in the left corner of the envelope. Further information can be obtained from the Director of the ASTRON Technical Lab., ir. A. van Ardenne, e-mail: tlinfo@astron.nl.

Women in particular are encouraged to apply.

More information about NWO: <http://www.nwo.nl>



**Institute of Physics
Bhubaneswar 751005, Orissa, India**

Faculty Position - Theoretical Condensed Matter Physics Group

Institute of Physics, Bhubaneswar, an autonomous research institution under Department of Atomic Energy, Government of India invites applications for a faculty position at the level of Senior Lecturer in theoretical solid state physics in the scale of pay of Rs.10,000-325-15,200 per month plus other allowances. A Ph. D. Degree with 2-4 years of experience as a Post-doctoral Fellow is a necessary requisite. Applications may be sent to **Director**, in the above address by **31st July, 2003**. Details can be found at <http://www.iopb.res.in/~cmph>.

Caltech Space Radiation Laboratory Postdoctoral Position in Gamma-ray Detector Development and High-Energy Astrophysics

The X-ray/gamma-ray astrophysics group at Caltech's Space Radiation Laboratory invites applications for a postdoctoral position, available immediately, to develop imaging solid state X-ray and gamma-ray detectors. Applications for these sensors include balloon and satellite astrophysics missions, and radiation monitoring for homeland security.

The applicant must have a Ph.D. in physics, applied physics, or related field. Experience with low-noise electronics, solid state sensors, laboratory data acquisition systems, and computer programming is desirable.

Applicants should submit CV, publication list, and three letters of reference to **Prof. Fiona Harrison**, c/o Stacia Rutherford, 1200 E. California Blvd, Mail Stop 220-47, Pasadena CA 91125, USA.

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

DARESBURY LABORATORY PHYSICIST (ACCELERATOR R&D)

An opportunity exists for a physicist to join the Accelerator Science and Technology Centre (ASTeC) within CCLRC. This Centre's role is to perform particle accelerator research and development and the team you would join are experts in the design, construction and development of advanced high-energy particle accelerators.

The Vacancy is in the Accelerator Physics Group at Band 5 or 6 for recent graduate physicists (depending upon experience) and at Band 4 for a recruit with several years relevant experience.

You would join a growing team of physicists whose work supports the design and development of a future linear collider accelerator. The work is carried out in close collaboration with University groups within the UK and as part of wider international collaborations.

We are looking for a highly motivated scientist with an independent outlook, but who must be able to work in or lead a team. You should have a willingness to take on a variety of tasks, both experimental and theoretical. Previous experience of the relevant areas, although welcome, is not essential as full training will be available. Career development opportunities will be available in this core professional activity of CCLRC.

You should have a good honours degree in physics (or an equivalent qualification) or a closely related subject. Both recent graduates and postdoctoral scientists are encouraged to apply. To merit a Band 4 position you should additionally have an established track record of achievement in accelerator physics. For all positions a willingness to travel within the UK and overseas is essential, as is the desire to participate in large multinational collaborations.

Starting salary for a Band 6 is up to £19,900 on a pay range from £15,920 to £22,420. Starting salary for a Band 5 is up to £25,790 on a pay range from £20,630 to £28,370 and for a Band 4 Starting salary is up to £32,740 on a pay range from £26,190 to £36,010 (pay award pending). A recruitment and retention allowance of up to £3000 will also be offered depending on Band. Salary on appointment is awarded according to relevant experience. An index linked pension scheme, flexible working hours and a generous leave allowance are offered.

For further information contact Susan Smith, Daresbury Laboratory, email S.L.Smith@dl.ac.uk or telephone (01925) 603260.

Application forms can be obtained from: Human Resources Division, Daresbury Laboratory, Daresbury, Warrington, Cheshire, WA4 4AD. Telephone (01925) 603114 or email recruit@dl.ac.uk quoting reference VND182/03. More information about CCLRC is available from CCLRC's World Wide Web pages at <http://www.cclrc.ac.uk>

All applications must be returned by: 7 August 2003.

The Council for the Central Laboratory of the Research Councils (CCLRC) is committed to Equal Opportunities. CCLRC is a recognised Investor in People. A no smoking policy is in operation.



INVESTOR IN PEOPLE

DO YOU RECRUIT IN THESE AREAS

- PET
- IMRT
- MRI
- medical imaging
- SPECT
- X-ray
- radiation therapy
- lasers in medicine
- photodynamic therapy
- biomedical optics
- hadron therapy
- biomechanics?

The August issue of *PhysicsWorld* will feature a high-profile Medical Physics Special with editorial, dedicated recruitment pages and special show distribution.

To reserve this issue, contact Jayne Purdy. The booking deadline is 18 July.

Tel: +44 (0)117 930 1027
E-mail: jayne.purdy@iop.org

CHIEF SCIENTIST POSITION IN RIKEN

RIKEN (The Institute of Physical and Chemical Research) invites applications for the position of Chief Scientist to direct a new laboratory on Experimental Nuclear Physics. The successful candidate will be responsible for the overall management of the laboratory, research strategy and implementation of research projects to be carried out in the Radio-Isotope Beam Factory which is under construction in the RIKEN Wako Campus.

Applicants should have appropriate research experiences supported by relevant publications. The post is a permanent appointment, subject to RIKEN's mandatory retirement age of 60. Terms and conditions of employment shall include a director-level salary and shall be in accordance with RIKEN's procedures for appointing Chief Scientists.

The successful applicant will be expected to take up this position from April 1st, 2004.

Applicants should send: a complete curriculum vitae with a photograph; a list of publications; one copy each of five key publications; a statement explaining research experience, reasons for her/his application, and proposals for research at RIKEN (these should not exceed 5 pages of regular sized paper); and the names and addresses of three referees. All applications are to be received by **September 30th, 2003**. Email submission in PDF format is also accepted for applicants outside Japan. Address all correspondences to:

**Dr. Hideto En'yo, Director of Radiation Laboratory,
RIKEN, Hirosawa 2-1, Wako-shi,
Saitama, 351-0198, JAPAN
Fax: +81-48-462-4641, E-mail: enyo@riken.go.jp**

Information about RIKEN is available on Web site (<http://www.riken.go.jp/>)



POSTDOCTORAL POSITION

PARTICLE ASTROPHYSICS- GAMMA-RAY ASTRONOMY

University of California, Los Angeles

We invite applications for a postdoctoral research position in particle astrophysics at the University of California, Los Angeles (UCLA). UCLA is involved in two forefront experiments, STACEE and VERITAS, designed to detect GeV and TeV gamma rays. Located near Albuquerque, NM, STACEE is an operating atmospheric Cherenkov telescope sensitive to gamma rays of energies between 50 and 500 GeV. VERITAS is a major, future array of imaging telescopes with sensitivity between 50 GeV and 50 TeV. The successful candidate will have the opportunity to work on either of these experiments.

We encourage candidates with experimental backgrounds in particle/nuclear physics or astronomy/astrophysics to apply. A Ph.D., or equivalent degree, in physics or astronomy is required. Applicants should send a CV and arrange for three letters of recommendation to be sent to:

Prof. Rene Ong
Department of Physics and Astronomy
8371 Math Sciences Bldg.
University of California, Los Angeles
CA 90095-1562

Deadline for receipt of applications is September 1, 2003.

CERN COURIER RECRUITMENT BOOKING DEADLINE

**September
issue:
15 August**

**Publication
date:
1 September**

Contact:
Reena Gupta

Tel:
+44 (0)117 930 1196

Fax:
+44 (0)117 930 1178

cerncourier.com

HEAD OF ACCELERATOR SCIENCE AND TECHNOLOGY



CCLRC
Daresbury Laboratory

The Council for the Central Laboratory of the Research Council, CCLRC, is one of Europe's largest multidisciplinary research organisations supporting scientists and engineers world-wide.

Its two main sites are the Rutherford Appleton Laboratory in Oxfordshire and the Daresbury Laboratory in Cheshire. A key part of its mission is the support for and provision of access to large-scale accelerator based facilities for UK scientists. As such CCLRC undertakes a significant programme of research, development and design in accelerator science and technology at both sites often in collaboration with Universities and other international Laboratories. It does this through its Accelerator Science and Technology Centre, with staff located at both sites.

A vacancy exists at Daresbury Laboratory for a Head of Accelerator Science and Technology. The primary purpose and objectives will be to provide leadership and direction to the Council's support of the UK science and engineering base in accelerator science and associated technologies. As such the successful candidate will provide direction and leadership to the work of ASTeC staff and develop in conjunction with stakeholders a strategic plan for programmes of research in accelerator science in CCLRC that meets the future research needs of the UK. Presently there are major areas of collaborative activities associated with Linear Colliders, Synchrotron Radiation Light Sources, High Intensity Proton Accelerators and Neutrino Factories. Close support and collaboration with the UK Diamond Light Source is a further important area of activity for ASTeC.

An outstanding international reputation and standing in the field of Accelerator Science is necessary. The post-holder will interact with a very broad national and international community and strong communication, interpersonal and negotiating skills are essential. The ability to manage staff with a wide range of skills and disciplines based at geographically separate sites is also required.

The successful candidate will hold a Chair in Accelerator Science within the Department of Physics at the University of Liverpool. The University is committed to exploring the possibility of adding to the resources available to the post-holder. The aim will also be to develop close relationships with all UK Universities involved in the field of accelerator science.

Starting salary will be in the region of £50,000, negotiable depending on the calibre of the successful candidate, an index-linked pension scheme and a generous leave allowance are also offered.

Application forms can be obtained from: Human Resources Division, Daresbury Laboratory, Daresbury, Warrington, Cheshire, WA4 4AD. Telephone (01925) 603114 or email recruit@dl.ac.uk, quoting reference VND181/03. More information about CCLRC is available from CCLRC's World Wide Web pages at <http://www.cclrc.ac.uk>

All applications must be returned by 30 July 2003.

The Council for the Central Laboratory of the Research Councils (CCLRC) is committed to Equal Opportunities and is a recognised Investor in People. A no smoking policy is in operation.



INVESTOR IN PEOPLE

COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS



Bergische Universität Wuppertal

Im Fachbereich 08 Physik ist folgende Stelle zu besetzen:

Universitätsprofessor/in C3 für Experimentelle Elementarteilchenphysik

Gesucht wird eine Persönlichkeit, die das Gebiet der experimentellen Elementarteilchenphysik an Beschleunigern in der Forschung vertritt. Die Wuppertaler Gruppe beteiligt sich gegenwärtig am D0 Experiment am Fermilab und am ATLAS Experiment am CERN. Eine Verstärkung dieser Aktivitäten sowie Initiativen für zukünftige Projekte in der beschleunigergebundenen Elementarteilchenphysik, z. B. in der Detektorenentwicklung sind erwünscht. Es wird erwartet, dass der/die Kandidat/in Lehraufgaben in der Experimentalphysik übernimmt.

Von den Bewerbern und Bewerberinnen wird neben pädagogischer Eignung erwartet, dass sie ihre wissenschaftlichen Leistungen durch eine Habilitation oder eine äquivalente Leistung nachweisen.

Die Bergische Universität Wuppertal strebt an, die Unterrepräsentierung von Frauen abzubauen. Bewerbungen von Frauen sind daher besonders erwünscht. Bei gleicher Eignung werden Schwerbehinderte bevorzugt.

Bewerbungen, Lebenslauf, Zeugniskopien, Schriftenverzeichnis und ggf. Verzeichnis der bisher gehaltenen Lehrveranstaltungen sind **spätestens bis zum 29. August 2003** an den **Dekan des Fachbereichs Physik, Bergische Universität Wuppertal, D-42097 Wuppertal**, zu richten.

Associate Director Caltech Optical Observatories California Institute of Technology

Caltech has an opening for the position of Associate Director, Caltech Optical Observatories in Pasadena, California. The current Director is Richard S. Ellis, Steele Professor of Astronomy.

The Associate Director is responsible for budget planning, fiscal management, and coordinating the operation of those astronomical facilities for which Caltech is directly responsible. Project management responsibilities include major instrument contracts for the Palomar and Keck telescopes, instrument development and prototyping studies for the California Extremely Large Telescope (CELT) project now entering its preliminary design phase, high order adaptive optics development, CELT-specific AO studies, and mosaiced IR detector development. Operational management includes supervision of observatory staff, telescope scheduling and maintenance, and liaison with the astronomical observer community.

A Ph.D. in astronomy or a related scientific field is desired. The position requires good inter-personal and leadership skills, and proven success in project management.

Caltech offers an attractive salary and benefits package, including relocation allowance. Please apply electronically to position CIT10338JH at Caltech's on-line Employment Opportunities at <http://cit.hr.caltech.edu/Jobs-HTML/EO.htm>. Attach a complete resume including academic, professional and personal data, and contact information for at least three references.

Caltech is an Affirmative Action/Equal Opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

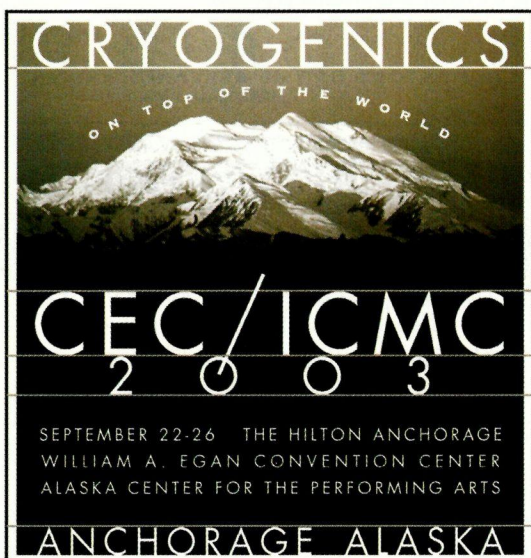


Faculty Position in Theoretical Elementary Particle Physics

The Stanford Linear Accelerator Center at Stanford University invites applications from outstanding candidates from all areas of elementary particle theory, for a tenure-track or early-career tenured faculty appointment. Candidates should have demonstrated their ability to carry out independent research in theoretical particle physics at the highest level. The position includes opportunities for classroom teaching and supervision of Stanford graduate students. The position allows a close interaction with the experimental program at the Stanford Linear Accelerator, and with the program of the new Kavli Institute for Particle Astrophysics and Cosmology.

Applicants should submit a curriculum vitae, publication list, statement of current research interests and future plans, and should arrange for four letters of recommendation to be sent to: **Professor Michael E. Peskin, Theory Group, MS 81, SLAC, 2575 Sand Hill Road, Menlo Park, CA 94025-7015.** All material should arrive by **October 1, 2003.**

Stanford University is an equal opportunity, affirmative action employer.



**For 2003 Conference Information
go to
WWW.CEC-ICMC.ORG**

**For additional information contact
Centennial Conferences at
(303) 499-2299 or
cec-icmc'03@centennialconferences.com**

UNIVERSITY OF COPENHAGEN



www.ku.dk

International Ph.D. School of Excellence in Physics at the Niels Bohr Institute for Astronomy, Physics and Geophysics, University of Copenhagen

The Niels Bohr Institute for Astronomy, Physics and Geophysics, the University of Copenhagen, announces a number of Ph.D. stipends targeted at gifted students wishing to acquire a 3-year Ph.D. education in physics within the fields of Experimental and theoretical Relativistic Heavy Ion and Particle Physics, Physics of Cold atoms, Quantum Optics, Complex Systems, Climate Research, Astronomy and Nanoscience.

Further information on the programme can be obtained from the Director of the School, Dr. Jens Jørgen Gaardhøje, the Niels Bohr Institute, Blegdamsvej 17, 2100 Copenhagen, Denmark (email: gardhoje@nbi.dk).

Information on the Danish Ph. D. programme and on the current activities within the above cited research fields may be found on the homepage for the school <http://Intserv.fys.ku.dk/hco/Bestyrelse/Phd> Applications should be received no later than August 15, 2003 at the above address and should contain CV, copy of relevant Masters degree, list of publications, 3 letters of reference, and a proposal for a Ph. D. project. Ph. D. stipends are currently remunerated at a level of about 259.000 DKK/yr (approx. 35.000 €), liable to tax.

INDEX TO DISPLAY ADVERTISERS

ADIT	12	Instrumentation Technologies	49
ADSC	4	Integrated Engineering Software	48
Amptek	18	Janis Research	49
AS&E	2	physicsweb	14
Bergoz	12	QEI	10
Birmingham Metals	10	Spectra Gases	49
CAEN	52	Springer Verlag	17
Eljen	25	UBI France	51
F.u.G. Elektronik	25	Varian Vacuum Products	49
Hitec Power Protection	11	VAT Vacuum Products	18, 38
Icarus Research	12	Vector Field	39
Ideas	32		
Institute of High Energy Physics	10	The index is provided as a service and, while every effort is made to ensure its accuracy, <i>CERN Courier</i> accepts no liability for error.	
Institute of Physics Publishing	9		