

RECRUTEMENT

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Institute of Physics Publishing, Dirac House, Temple Back, Bristol BS1 6BE, UK. Tel. +44 117 930 1026. Fax +44 117 930 1178.

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You will collaborate with IMEC process experts, enjoying access to the latest semiconductor processes, and take a pivotal role in the development of our new advanced vacuum, monitoring and exhaust management solutions.

This will demand an engineering or scientific degree (or equivalent), plus at least five years' experience in a multi-disciplined environment, including at least three years' working with semiconductors. Detailed knowledge of vacuum technology, vacuum instrumentation and/or semiconductor applications would also be useful. However, this is less important than the ability to identify emerging key processes and new product opportunities, and to liaise between BOC and IMEC colleagues to facilitate knowledge exchange.

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For further details of our product range, please visit www.bocedwards.com

 **BOC EDWARDS**

APPLIED PHYSICIST

CPPM recruits an applied physicist to join the Marseilles Atlas physics group, which is working in the areas of the Liquid Argon End Cap, the Pixel Vertex detector and the Third Level Filtering of the Atlas experiment.

The candidate should have an expertise in several aspects of computing support for an experimental group. This ranges from the software development for simulation and data analysis, to the general computing support, software installation and assistance to the users. He will participate in different computing aspects of the physics of the experiment, like event reconstruction, event display, simulations. He will have to drive the group decisions concerning all computing aspects in coherence with the laboratory policy.

A good knowledge of programming languages (Fortran, C, C++) is needed. An expertise in software design, in Object Oriented programming is welcome.

For more information, contact:

Thierry Mouthuy - Head of computing department at CPPM mouthuy@cppm.in2p3.fr
Elie Aslanides - Director of CPPM aslanides@cppm.in2p3.fr

CV, list of publications and letters of recommendation should be sent to:
Francoise Amat CPPM 163 av. de Luminy, case 907 F-13288 Marseille Cedex 09
Tel: +4 91 82 72 08



 **KSTATE**

Kansas State University

Dept of Physics Post Doctoral Research Associate

Applications are invited for a Post-Doctoral Research Associate position with the experimental high-energy physics group of Kansas State University. Our group is active in the analysis of D0 data from the Fermilab Tevatron Collider with an emphasis on Higgs searches and top quark studies, and in the construction of the CMS silicon tracker. The successful candidate will play a leading role in the analysis of D0 data and in the silicon microvertex detector upgrade for Run II-b. Participation in the construction of the CMS silicon tracker is also encouraged. 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,
785-532-1644.

Screening of applications will begin September 1, 2002 and continue until the position is filled.

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

POSTDOCTORAL POSITIONS IN EXPERIMENTAL PARTICLE PHYSICS

The Fermi National Accelerator Laboratory (Fermilab) has openings for postdoctoral Research Associates in experimental particle physics. The Fermilab research program includes experiments with the 2 TeV proton - antiproton collider, neutrino oscillation experiments, fixed target experiments and astroparticle physics experiments. There are positions for recent Ph.D.s to join the collider program which has completed its upgrade and is taking data. There are also opportunities to join the neutrino oscillation experiments MiniBooNE and MINOS, the particle production experiment MIPP, the Cryogenic Dark Matter Search, the Pierre Auger Observatory (cosmic ray) project and data analysis of fixed target experiments. Opportunities also exist to participate in the future BTeV, CKM and LHC-CMS experiments. Positions associated with the experimental program are also available in the Computing Division for candidates interested in modern computing techniques applicable to HEP data acquisition and analysis.

Successful candidates are offered a choice among interested Fermilab experiments, and typically have the opportunity to participate in detector development and commissioning in addition to experiment operation and data analysis. Appointments are normally for three years with the possibility of extension. Every effort will be made to maintain support for a Fermilab RA until she or he has the opportunity to produce physics results.

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



Fermilab

A U.S. Department of Energy Laboratory

UNIVERSITY OF TORONTO

POSTDOCTORAL RESEARCH ASSOCIATE POSITIONS Experimental High Energy Physics



Two postdoctoral research associate positions in Experimental High Energy Physics are available at the University of Toronto. The positions being offered are to work on the ATLAS experiment at CERN. Our group is a major participant in the construction, installation and commissioning of the hadronic sections of the ATLAS forward calorimeter (FCAL). All of the components constructed in Toronto will be delivered to CERN by February 2003. One of the successful candidates will be expected to take a leading role in the completion, installation, and commissioning of this detector. In addition, the group is in the process of installing a large Linux computing cluster, and plans to develop an active role in the preparations for ATLAS data-taking and analysis. One of the successful candidates will be expected to take a leading role in this area. Candidates should supply a resume, a description of research interests and three letters of reference, to

Prof. Robert S. Orr,
Department of Physics,
University of Toronto,
60 St. George St.,
Toronto, Ontario, M5S 1A7,
Canada.

For information send email to orr@physics.utoronto.ca. The review of applications will begin immediately, and will continue until the positions are filled.

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.

Deutsches Elektronen-Synchrotron
beam instrumentalization



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

At DESY several accelerators are in operation for the production of synchrotron radiation and for high energy physics experiments. Our group - MDI -, which is responsible for the beam instrumentalization of these facilities, is looking for a

Physicist (m/f)

Your tasks will comprise development, construction and commissioning of beam diagnosis monitors, mainly using synchrotron radiation. This includes transversal and longitudinal profile monitors with very high resolution. A team of committed technicians and engineers will be available for support.

You should have a degree in physics or a comparable qualification as well as experience in operating accelerators and in beam diagnosis and instrumentalization in combination with profound knowledge of accelerator physics, technology and instrumentalization. For this position you should like teamwork and you should also be able to work as a team leader. Furthermore your work would partly consist of shift work. Your health should also permit the use of a breath protection mask. If you fulfil all these requirements, please send your letter of application and three names of referees to our personnel department.

Please note: This is a replacement for a position becoming vacant due to part time retirement. At first this position will have limited responsibility and pay BAT 11a. After 12/31/2004 you will be given full responsibility at BAT 1b.

Salary and benefits are commensurate with public service organizations. DESY operates flexible work schemes, such as flexi-time or part-time work.

DESY is an equal opportunity, affirmative action employer and encourages applications from women.

Deutsches Elektronen-Synchrotron DESY

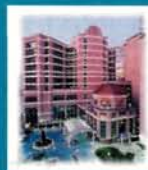
member of the Helmholtz Association
code: 107/2002 • Notkestraße 85 • D-22603 Hamburg • Germany
Phone +49 40/8998-3956 • www.desy.de
email: personal.abteilung@desy.de

Deadline for applicants: open

POSTDOCTORAL RESEARCH POSITIONS in Medical Imaging



Applications are invited for five postdoctoral research positions in medical imaging in the Department of Nuclear Medicine, The University of Texas M. D. Anderson Cancer Center for the development of PET (Positron Emission Tomography) cameras.



Requirements: a Ph.D. in experimental or applied physics obtained within the past five years. Candidates should have work experience in scintillation detector design, fast electronics, C, C++, and data acquisition. Applicants should send their curriculum vitae, list of publications, a brief statement of research interests and must have three letters of recommendation. Send all correspondence to:

Wai-Hoi (Gary) Wong, Ph.D., Director, Nuclear Imaging Instrumentation Development Laboratories, Department of Nuclear Medicine, The University of Texas M. D. Anderson Cancer Center, 1100 Holcombe Blvd., Houston, TX 77030, Mail Box 217.

MDACC is an equal opportunity employer; smoke-free environment. Women and minority candidates are encouraged to apply.



Opportunities at Europe's 3rd generation synchrotron

Scientist and Post-doctoral positions at the ESRF in Grenoble, France

Take advantage of pursuing research in a unique international environment in France at the ESRF. Our facility operates one of the brightest X-ray sources in the world and it is used by several thousand scientists for both fundamental and applied research, in a wide range of disciplines:

Physics, Chemistry, Crystallography, Earth Science, Structural Biology and Medicine, Surface and Materials Science...

You will be provided with the means to develop your own research and to operate your team's beamline. You will work in close contact with, and advise, external users, which will give you the possibility to form useful collaborations.

We also offer PhD positions.

Have a look at our website for a full description of our vacancies and activities: <http://www.esrf.fr>, and contact us at recruitm@esrf.fr or fax #: +33 (0)4 76 88 24 60

ESRF, Personnel Service, BP220, F-38043,
Grenoble cedex 9, FRANCE.



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 experimental particle physics programme at HERA – experiments H1 and ZEUS, HERMES and HERA-B – and the preparation of experimentation at TESLA several

„DESY Fellowships“

are announced. The place of work is Hamburg or Zeuthen. Young scientists who have completed their Ph.D. and who are younger than 32 years are invited to submit their application including a resume and the usual documents (curriculum vitae, list of publications and copies of university degrees) and should arrange for three letters of recommendation to be sent to 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 (BAT IIa / BAT IIa-0). DESY operates flexible work schemes, such as flexi-time or part-time work.

DESY is an equal opportunity, affirmative action employer and encourages applications from women.

Deutsches Elektronen-Synchrotron DESY

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code: 106/2002 • Notkestraße 85 • D-22603 Hamburg • Germany

Phone +49 40/8998-3877 • www.desy.de

email: personal.abteilung@desy.de

Deadline for applicants: 30.09.2002



POST-DOCTORAL FELLOWSHIPS FOR NON ITALIAN CITIZENS

IN THE FOLLOWING RESEARCH AREAS:

THEORETICAL PHYSICS (N.10)

EXPERIMENTAL PHYSICS (N.20)

The INFN Fellowship Programme 2002-2003 offers 30 (thirty) positions for non Italian citizens for research activity in theoretical or experimental physics.

Fellowships are intended for young post-graduates who have not attained 35 years as of September 30, 2002.

Each fellowship, initially, is granted for one year and then, may be extended for a second year.

The annual gross salary is EURO 24.800,00.

Round trip travel expenses from home country to the INFN Section or Laboratory will be reimbursed, also lunch tickets will be provided for working days.

Candidates should submit their application form, a statement of their research interests and enclose three reference letters.

Candidates should choose one of the following INFN Laboratories:

Laboratori Nazionali di Legnaro (Padova), Laboratori Nazionali del Gran Sasso (L'Aquila), Laboratori Nazionali del Sud (Catania), Laboratori Nazionali di Frascati (Roma)

or INFN Sections in the Universities of:

Torino, Milano, Padova, Genova, Bologna, Pisa, Napoli, Catania, Trieste, Firenze, Bari, Pavia, Cagliari, Ferrara, Lecce, Perugia, or one of the three universities in Roma "La Sapienza", Roma "Tor Vergata", "Roma Tre".

The research programs must be focused on the research fields of the Section or Laboratory selected (www.infn.it).

Applications must be sent to the INFN no later than September 30, 2002.

Candidates will be informed by February 2003 about the decisions taken by the INFN selection committee.

Fellowships must start from September to November 2003. Requests of starting earlier accepted.

Information, requests for application forms, and applications should be addressed to Istituto Nazionale di Fisica Nucleare, Direzione Affari del Personale, Ufficio Borse di Studio - Casella Postale 56 - 00044 Frascati (Roma) Italia.

ISTITUTO NAZIONALE DI FISICA NUCLEARE

IL PRESIDENTE

(Prof. Enzo Iarocci)

CERN COURIER RECRUITMENT BOOKING DEADLINE

October issue: 6 September
Publication date: 19 September

Contact Ed Jost:

Tel. +44 117 930 1196

Fax +44 117 930 1178

Email edward.jost@iop.org

cerncourier.com

Application Specialist - Scientific

Southern England

With an impressive record of growth and acquisition, our client is a leader in the pressure and vacuum equipment industry, with solutions for almost every application.

In this key senior role, you will be the European technical expert for targeted field-based applications and market development, as you provide highly qualified direction to the sales force. This will involve contributing to market analysis and promotional strategies, with a particular focus on creating a consolidated business development plan for large R&D centres and Optical Media OEMs.

You will be the technical adviser behind our client's penetration of crucial scientific markets on a pan-European level, whilst also applying your marketing skills to the creation of five year plans and sales and production forecasts.

You will be a graduate in a scientific or engineering discipline, and ideally hold a professional marketing

qualification. You will certainly possess detailed knowledge of the large R&D, scientific instrument or optical media sectors gained through at least 2-3 years' practical technical or marketing experience. This could also have been gained by practical sales experience promoting capital equipment for advanced technology applications. Finally, you will preferably be fluent in a second European language.

Together with a competitive salary, our client offers a comprehensive package of benefits, plus exceptional scope to develop your skills and career.

Please forward your CV and salary details in confidence to our retained consultant at response@ryanemo.com or to Response Handling, Remo Advertising Ltd, Ferry House, Canute Road, Southampton, Hampshire SO14 3FJ.



RIKEN BNL Research Center Brookhaven National Laboratory Tenure Track - Strong Interaction Theory RHIC Physics Fellow Positions

The RIKEN BNL Research Center (RBRC) at Brookhaven National Laboratory, together with university partners, invites applications for a program of cooperative fellowships in strong interactions theoretical physics motivated by the experimental heavy-ion and proton spin programs of the Relativistic Heavy Ion Collider at BNL. Each RHIC Physics Fellow will be jointly selected and supported for five years by the Center and one of the cooperating universities and will hold a tenure track faculty appointment (or equivalent) in that university's Physics Department. Each fellow will spend about half time at RBRC and the remaining time at the university. Candidates should have a Ph.D. degree in theoretical nuclear or particle physics and be interested in pursuing theoretical research within a broad range of hadron physics, such as high energy nuclear theory, RHIC physics, QCD (perturbative and lattice), hadronic spin physics, hadronic spectra and their transition matrix elements.

Scientists with appropriate backgrounds who are interested in applying should send a curriculum vitae, publication list, a brief description of their research interests, and arrange three letters of reference to be sent to Professor T.D. Lee, Director, RIKEN BNL Research Center, Building 510 A, Brookhaven National Laboratory, P.O. Box 5000, Upton, Long Island, NY 11973-5000, before January 1, 2003. Additional information, including current participating universities will be available by sending an e-mail request to rhic_fellows@bnl.gov or by writing to the above address. BNL is an equal opportunity employer committed to workforce diversity.

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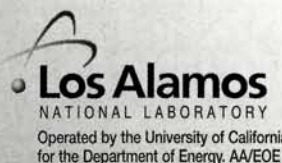
www.bnl.gov

Deputy Group Leader

Los Alamos National Laboratory (LANL) is seeking a highly skilled candidate for the position of Deputy Group Leader of the LANSCE/SNS RF Technology Group. The Laboratory is dedicated to meeting new challenges and strengthening its role as a key national resource, applying the best in science and technology to stockpile stewardship and other problems of global importance. LANL is located in Northern New Mexico and is noted for its excellent schools, safe neighborhoods, and abundant outdoor recreational activities including hiking, skiing and boating. Nearby, historic Santa Fe offers an abundance of cultural opportunities including opera, theater and extensive art galleries.

Summary: The successful candidate will assist in line management and technical leadership. Principle activities of the LANSCE/SNS RF Technology group include design, development, operations and maintenance of high and low power RF systems, primarily for particle accelerator applications. The technologies and components encompassed in these activities include megawatt-class RF generators, RF sources, RF transmission and protection, high voltage generation and storage, pulsed power, feedback/feedforward control systems and interlocks, and system engineering. The group also develops and utilizes a wide variety of computer modeling tools to develop state of the art RF components, technologies and systems.

For additional information on this position: Please visit www.lanl.gov/jobs and search for Job #202779. Please reference CERN as the referral source when applying.


Los Alamos
NATIONAL LABORATORY
Operated by the University of California
for the Department of Energy. AA/EOE

www.lanl.gov/jobs

Science Serving Society



Tenured Professorial Position Experimental Elementary Particle Physics

The Stanford Linear Accelerator Center (SLAC) is seeking an outstanding individual for a tenured faculty position in experimental elementary particle physics at the rank of Associate or Full Professor. We are looking for candidates with significant accomplishments and promise for important future achievements. We are particularly interested in candidates with near term research interests involving the BaBar experiment.

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

Candidates should submit a curriculum vitae, publication list, a statement of research interests, and the names of four references to

Prof. Persis Drell, SLAC-MS 75, 2575
Sand Hill Rd, Menlo Park, CA 94025.

The deadline for receipt of applications is November 1, 2002.

SLAC is committed to equal opportunity through affirmative action in employment. We strongly encourage qualified minority and women candidates to apply.



Laboratory for Instrumentation and Experimental Particle Physics Departamento de Física da Universidade de Coimbra, 3004-516 Coimbra, Portugal

The Coimbra branch of LIP anticipates the opening of staff positions for experimental physicists. Only applicants with a solid CV in the areas of Experimental Particle Physics or related Instrumentation and, at least, two years experience after PhD will be considered*).

The present activity of LIP-Coimbra ranges from particle physics (ATLAS, HERA-b, and n-ToF) to the development of radiation detection systems, mainly gaseous and liquid noble gas detectors. Besides of the referred to experiments, some areas of application of the detectors under study are imaging (medical PET, with liquid xenon; monitoring of radiotherapeutic beams and neutron radiography, with GEMs; ToF-PET, with fast RPCs), time of flight of charged particles (fast RPCs) and dark matter search (liquid xenon).

For details, candidates may consult <http://www.coimbra.lip.pt>

Questions, declaration of interest or early submission of CVs should be addressed to seclip@lipc.fis.uc.pt

*) Post-doctoral fellowships, supported by other programmes, are also available.

YOUNG SCIENTIST

The Centre de Physique des Particules de Marseille (CPPM) searches for a young scientist to participate in ANTARES project, for a two year position based at CPPM in Marseille.

ANTARES is building a neutrino telescope in Mediterranean sea to search for astrophysical sources of neutrinos, dark matter in the form of relic neutralinos and to measure oscillation parameters of atmospheric neutrinos.

Successful candidate should contribute to all aspects of experiment: operations of the first detector elements, deployed from autumn 2002, detector calibrations and first physics analyses of results.

The post is immediately available, to be filled as soon as possible. Send applications (letter of motivations, CV, names of two referees) to:

Francoise Amat - CPPM - 163 Av. de Luminy - Case 907 - F - 13288 Marseille Cedex 09
Phone: +33 (0)4 91 82 72 08 - Fax: +33 (0)4 91 82 60 58
e-mail: amat@cppm.in2p3.fr

For further information of the post, contact John Carr (carr@cppm.in2p3.fr)



CORNELL
UNIVERSITY

COMPUTING PROFESSIONAL/ RESEARCH ASSOCIATE

The elementary particle physics group at Cornell University has an opening for a Computing Professional/Research Associate to work on projects related to the CLEO/CLEOc experiment and R&D for a Linear Collider.

The person filling this appointment will have major responsibilities for the upgrade, optimization, and maintenance of the CLEO offline analysis software, databases for calibration and data access, and eventually software development for a Linear Collider. Membership in the CLEO Collaboration and the opportunity for half-time data analysis are possible though such activities are not required.

A PhD in experimental elementary particle physics or advanced degree in

Computer Science, and at least 3 years experience with software development are required. Expertise is necessary in the following areas:

The UNIX operating system, object-oriented programming, C++, UNIX shell scripting, and large-scale software design. It is also highly desirable for the applicant to have familiarity with the computing tasks common in experimental high energy physics such as data management, physics analysis, and Monte Carlo simulations, as well as LINUX, FORTRAN, and code management and versioning systems.

Please send an application including curriculum vitae, publication list, and resume of computer experience, and arrange for at least three letters of recommendation to be sent to

Prof. Lawrence Gibbons,
Newman Laboratory, Cornell University,
Ithaca, NY 14853.

E-mail correspondence may be directed to search@lms.cornell.edu

Cornell is an equal opportunity/affirmative action employer.
Women and minorities are encouraged to apply.

VISITING SCIENTIST POSITION

The Centre de Physique des Particules de Marseille invites applications for a visiting scientist position to join the physics group working on LHCb, the study of CP Violation and rare decays in the beauty sector at the LHC. The successful candidate is expected to contribute to the development of the Level 0 muon trigger processor as well as to the preparation of the physics analysis. The visiting scientist position will be for 2 years, based at Marseilles.

Applications including CV, list of publications and references should be addressed to

F. Amat CPPM 163 Av. de Luminy - Case 907 F - 13288 Marseille Cedex 09,
E-mail: amat@cppm.in2p3.fr

For more information on the post, contact

R. Le Gac, legac@cppm.in2p3.fr
E. Aslanides, Director of CPPM, aslanides@cppm.in2p3.fr



RESEARCH FELLOWS, RESEARCH ASSOCIATES and LABORATORY OFFICERS Singapore Synchrotron Light Source

The National University of Singapore (NUS), Singapore Synchrotron Light Source (SSLS), invites applications for a total of nine positions as Research Fellows, Research Associates and Laboratory Officers.

For full details, please refer to the SSLS website at
<http://ssls.nus.edu.sg>

Access

PhysicsJobs



physicsweb.org



Carleton
UNIVERSITY

CANADA RESEARCH CHAIR IN PARTICLE PHYSICS

Applications are invited for a faculty position in experimental particle physics in the Department of Physics to begin in 2003. This position will be supported by a Tier II award through the Canada Research Chairs (CRC) program. There is a possibility of the appointment being made at the Tier I level for an outstanding senior candidate. The faculty appointment level will be consistent with the candidate's record and experience. The CRC program was established to enable universities to achieve the highest level of research excellence (see www.chairs.gc.ca).

The Department has a strong research program that includes significant roles in the Sudbury Neutrino Observatory, OPAL at LEP, ATLAS at the LHC, and R&D efforts for the Linear Collider project. We also have active groups in high-energy theory and in medical physics. In accordance with the goals of the CRC program, we invite applications from outstanding scientists who have demonstrated research creativity and have the ability to attract excellent co-workers and students. We are seeking a candidate to play a leading role in our experimental program and are particularly interested in applicants whose research interest is high-energy collider physics. Candidates should send a curriculum vitae and a statement of their research and teaching interests, and should arrange for letters from three referees to be sent to:

**Prof. Pat Kalyniak, Chair, Department of Physics, Carleton University,
Ottawa, ON, K1S 5B6, Canada**

Tel: (613) 520-2600x4376 FAX: (613) 520-4061

kalyniak@physics.carleton.ca www.physics.carleton.ca

The deadline for applications is October 15, 2002; however applications will continue to be accepted as long as the position remains unfilled.

Carleton University is committed to equality of employment for women, aboriginal peoples, visible minorities, and people with disabilities. Persons from these groups are encouraged to apply.



BESSY

The Berlin research institute BESSY runs an electron storage ring based light source dedicated to the vacuum ultra-violet and soft X-ray region serving domestic and international research groups.

The high-brilliance synchrotron radiation source BESSY II has shown its extra-ordinary capabilities. To guarantee the ultimate level of quality while further development takes place is the challenge now. In addition BESSY plans to build a free electron laser (FEL) to provide a next generation light source.

We are looking for:

PhD Physicists (m/f)

Scope of the open positions is quality-assurance of the site by identification, characterization and correction of smallest perturbation effects. Fault-tolerant operation sequences and expert knowledge have to be implemented in a software context that is ready to support test and commissioning of the FEL.

Candidates should be knowledgeable in generation of complex software packages in UNIX environments. Fundamentals in accelerator physics or experiences in accelerator operation are appreciated.

Work contracts conform to the framework of the Bundes-Angestelltenvertrag.

Please send your application to

**Berliner Elektronenspeicherring-Gesellschaft
für Synchrotronstrahlung m.b.H. (BESSY)
- Personalverwaltung -**

Albert-Einstein-Str. 15, 12489 Berlin-Adlershof

UCD

UNIVERSITY COLLEGE DUBLIN

An Coláiste Ollscoile Baile Átha Cliath

FACULTY OF SCIENCE

DEPARTMENT OF EXPERIMENTAL PHYSICS

LECTURESHIP IN EXPERIMENTAL PARTICLE PHYSICS

One Permanent Post

(Ref: 000963)

The newly established Experimental Particle Physics research group at University College Dublin is seeking applicants for a permanent position, initially at the level of College Lecturer.

We look for an outstanding individual with several years of post-doctoral experience in both instrumentation and data analysis of large-scale high-energy physics experiments.

The successful candidate will be expected to participate in the D-Ø experiment taking data at the Fermilab Tevatron collider, and the CMS experiment currently under construction at the CERN LHC collider, with the start of data-taking foreseen in 2007.

He/she will be based in Dublin and will be expected to travel to Fermilab and CERN periodically. Experience in teaching physics at university level is a decided advantage. A good knowledge of English is also essential.

For further information, also on the Department, the website: www.ucd.ie/~physics should be consulted.

The current salary scale for a College Lecturer is €40,446 - €65,656 (new entrants) per year. The initial appointment on the above scale will be dependent on qualifications and experience.

Applications should include a curriculum vitae, list of publications, description of teaching experience, and at least three letters of recommendation.

Prior to application, further information (including application procedures) can be downloaded from our website:

www.ucd.ie/vacancies/ or obtained from the:



**Personnel Office,
University College Dublin,
Belfield, Dublin 4, Ireland.
Requests on a postcard or fax only
(quoting above reference number).
Fax: +353-1-269 2472 or by
Email: academic.appointments@ucd.ie**

Closing date: **not later than 12.00 noon on Saturday, 31st August 2002.**

National University of Ireland, Dublin

UCD IS AN EQUAL OPPORTUNITIES EMPLOYER

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CORNELL UNIVERSITY

TENURE-TRACK PROFESSORIAL POSITION EXPERIMENTAL ELEMENTARY-PARTICLE PHYSICS

We are seeking an outstanding individual for a tenure-track professorial position in experimental elementary-particle physics at the level of Assistant Professor. In addition to teaching undergraduate and graduate courses, responsibilities will include supervision of graduate students and participation in the research program of the Laboratory for Elementary-Particle Physics, which is based on the CESR e^+e^- storage ring and the CLEO experiment, with future involvement in the international linear collider. CLEO provides a unique opportunity for high precision measurements in the Upsilon family, at the J/Psi, and near the DD and $D_s D_s$ production thresholds. The Laboratory envisions a substantial role in both the particle physics and accelerator development of the linear collider. A PhD in Physics and experience in experimental elementary particle physics is required. The position will be available in summer 2003. Please send an application and at least three letters of recommendation to

Prof. Ritchie Patterson, Search Committee Chair
Newman Laboratory
Cornell University
Ithaca, NY 14853

Applications should include a curriculum vitae, a publication list, and a short summary of teaching and research experience. Electronic submissions and mail inquiries may be addressed to search@lps.cornell.edu.

Cornell is an equal opportunity/affirmative action employer.

FELLOWSHIP IN EXPERIMENTAL HIGH ENERGY NUCLEAR PHYSICS

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

The RNC group has a key role in the STAR experiment at the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory. The group currently has a strong physics program in nucleus-nucleus collisions at RHIC and intends to become a major player in spin physics. Candidates having an interest in spin physics at RHIC are encouraged to apply.

Applicants are requested to email a curriculum vitae, list of publications, statement of research interests, and the names of at least five references, no later than October 1, 2002, to afnemployment@lbl.gov. Please reference job number AF/014946/JCERN in your cover letter. LBNL is an EEO/AA employer.



UNIVERSITY OF OXFORD

Mathematical and Physical Sciences Division

Department of Physics
in association with St Edmund Hall

University Lectureship in Experimental Particle Physics

Applications are invited for a University Lectureship in the field of experimental particle physics. This is a permanent post and is associated with a Tutorial Fellowship at St Edmund Hall, under arrangements described in the further particulars. The combined University and College salary will be according to age on a scale up to £41,570 p.a.

The LHC will open up new windows on physics when it starts operation in 2006. This includes the origin of mass as well as physics beyond the Standard Model. We are looking for an outstanding physicist to build an analysis engine for ATLAS physics results. The enormous data sets that will be generated by ATLAS will require very significant new computing resources which will only be available through the Grid. The successful candidate will develop Grid capabilities at Oxford towards this goal. In the longer term the candidate will contribute to the development of LHC physics and experimental particle physics more generally at Oxford. Questions can be addressed to Dr Tony Weidberg, t.weidberg@physics.ox.ac.uk

Further particulars of this post and information on how to apply are available on <http://www2.physics.ox.ac.uk/pnp/lect02-fp.htm> or from Mrs Sue Geddes, Denys Wilkinson Building, Keble Road, Oxford OX1 3RH, UK, e-mail: s.geddes@physics.ox.ac.uk fax: +44 (0)1865 273417. The application deadline is 1st October 2002.

The University is an Equal Opportunities Employer.

PhD-Position in Experimental Particle Physics

The Faculty of Physics of the University Freiburg is inviting applications for a **PHD-position for experimental high energy physics** for the ZEUS experiment at the electron-proton storage ring HERA, at DESY, Hamburg. The position will start with a grant and will turn after one year into a BAT IIa/2.

The field of activity is the participation in the running of the ZEUS detector during the upcoming high luminosity period, and the physics analysis of the data. As a side activity detector development for TESLA is possible.

Some teaching support at the University Freiburg is required, the residence can be in Hamburg, however.

For the position a Diploma thesis or equivalent degree in experimental particle physics is required.

Interested candidates should send the usual information (cover letter, curriculum vitae, examination grades, and more than one name of referees) to

Prof. Dr. A. Bamberger
Universitaet Freiburg
Fakultaet fuer Physik
Hermann-Herder-Str. 3
D-79104 Freiburg

Tel. +49 761 203-5714, Fax. 203-5931

More information via: bamberger@physik.uni-freiburg.de See also: <http://frzsun.physik.uni-freiburg.de:8080/>



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CANBERRA

Postdoctoral Position in Accelerators Design



a CANBERRA EURSYS Company

PANTECHNIK offers a postdoctoral position for one year starting end 2002 - beginning 2003. The student has to be from an EC country other than France. The work will be on accelerators design. We will submit a design report for a 0,5 to 2 MeV per nucleon accelerator, using an ECR ion source plus the design of irradiation station for polymer films. A background in accelerators science or in nuclear instrumentation will be appreciated.

Please send your application to:

PANTECHNIK - 12 rue A. Kastler - 14000 CAEN - France
Email: pantechnik@compuserve.com

Radiation Protection Supervisor/ Assistant Manager

Euro Nuclear Services, Coevorden, NL

Qualification: Health Physicist Level III (Netherlands)

Duties: responsible for Netherlands nuclear materials license, including routine monitoring and records, assist plant supervision as needed.

Annual Salary: 40-65K Euro.

Contact Mike Fuller,
UniTech Services Group, Inc,
mikef@u1st.com 413 543 6911



Universität Heidelberg

An der Fakultät für Physik und Astronomie
der Ruprecht-Karls-Universität Heidelberg
ist zum frühestmöglichen Zeitpunkt eine

C3-Professur für Experimentalphysik (Experimentelle Teilchenphysik)

zu besetzen. Die Stelle ist am Kirchhoff-Institut für Physik angesiedelt. Der/die zukünftige Stelleninhaber/in soll auf dem Gebiet der experimentellen Teilchenphysik mit Beschleunigern ausgewiesen sein. Praktische Erfahrungen bei Planung und Aufbau von Experimenten und in der Datenanalyse werden erwartet. Der Schwerpunkt der zukünftigen Arbeiten soll auf dem Gebiet der Physik mit dem ATLAS Detektor am Large Hadron Collider Projekt (LHC) liegen, eine weitere Aktivität an einem laufenden Beschleunigerexperiment ist möglich.

Formale Einstellungsvoraussetzungen sind ein abgeschlossenes Hochschulstudium der Physik, didaktische Eignung, Promotion und Habilitation oder der Nachweis gleichwertiger wissenschaftlicher Leistungen.

Die Stelle steht unbefristet zur Verfügung.

Bei der Berufung in ein Professorenamt ist das Dienstverhältnis gemäß § 67 Abs. 1 UG grundsätzlich zu befristen. Ausnahmen sind möglich, wenn Bewerber/innen aus dem Ausland oder aus dem Bereich außerhalb der Hochschulen sonst nicht gewonnen werden können. Soll das Dienstverhältnis nach Fristablauf fortgesetzt werden, bedarf es nicht der erneuten Durchführung eines Berufungsverfahrens.

Die Universität Heidelberg strebt eine Erhöhung des Frauenanteils unter den Hochschullehrern an und bittet dementsprechend qualifizierte Wissenschaftlerinnen nachdrücklich um ihre Bewerbung

Bewerbungen mit den üblichen Unterlagen senden Sie bitte bis zum **15.9.2002** an den Dekan der Fakultät für Physik und Astronomie, Albert-Weberle-Str. 11, D-69120 Heidelberg.

Robert R. Wilson — Fellows Program —

The Wilson Fellowship program at Fermilab supports physicists early in their careers by providing unique opportunities for self-directed research in experimental physics. The Fermilab experimental particle physics program includes collider physics at the energy frontier, studies of lepton flavor oscillations, quark flavor physics and astroparticle physics.

The fellowships are awarded on a competitive basis to Ph.D. physicists of exceptional talent as evidenced by their contributions to the field in their postdoctoral work. Fellows will work at Fermilab in areas of experimental particle physics of their choice.

Wilson Fellowships are tenure track positions with an initial term appointment of three years.

Each candidate should submit a research statement describing a proposed research program and a curriculum vitae; and should arrange to have four letters of reference sent to the address below. Application materials and letters of reference should be received by October 31, 2002.

Materials, letters and requests for information should be sent to:

Patricia L. McBride,
Chair, Wilson Fellows Committee
Fermi National Accelerator Laboratory, MS234
P.O. Box 500
Batavia, IL 60510-0500
email: mcbride@fnal.gov
www.fnal.gov/pub/wilson_fellowships.html



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UNIVERSITY OF ROCHESTER

TENURE TRACK FACULTY POSITION IN EXPERIMENTAL PARTICLE PHYSICS

The Department of Physics and Astronomy

at the University of Rochester invites applications for a tenure-track position in experimental particle physics at the Assistant Professor level, with the appointment to begin on July 1, 2003 or later.

We seek outstanding candidates to either strengthen or complement our current activities in experimental particle physics, which include programs within the CDF, D0, CLEO, and CMS (LHC) experiments, and new R&D efforts started recently on neutrino oscillations for experiments to be performed at the JAERI 50 GeV PS in Japan, and experiments at anticipated linear colliders.

The successful candidate is expected to initiate an independent research program, either within these collaborations, or in experiments not currently pursued by Rochester faculty. Candidates should have outstanding records in research, and strong commitments to excellence in undergraduate and graduate teaching. To ensure full consideration, applications should be received well before

December 1, 2002.

Salary will be competitive, and applications from women and members of underrepresented minority groups are encouraged. Applicants should submit a curriculum vitae, a list of publications, and a description of their proposed research, and should arrange for five (or more) letters of recommendation to be sent to:

Professor Arie Bodek, Chair Department of Physics and Astronomy
University of Rochester
Rochester, New York 14627-0171

MIT

The Department of Physics of the Massachusetts Institute of Technology invites applications for junior faculty positions. Faculty members at MIT teach undergraduate and graduate physics courses, serve as mentors and advisors, and oversee students' research projects. Candidates must show promise in teaching as well as in research. Preference will be given to applicants at the Assistant Professor level. Applicants should submit by regular mail a curriculum vitae (include email address), a publications list, a brief description of research interests and goals, and should have at least three letters of reference sent directly to the appropriate committee chair listed below.

EXPERIMENTAL PARTICLE AND NUCLEAR PHYSICS

Currently, the research groups in the division and LNS have strong interests in QCD (PHOBOS, BLAST, Jefferson Lab., Mainz and HERMES), flavor physics and Electroweak Symmetry breaking (BaBar, CDF, ATLAS, and CMS), dark matter searches (AMS and axions) and neutrino physics (SuperKamiokande and Borexino). Strong candidates in new areas of experimental nuclear and particle physics are particularly welcome. (See <http://pierre.mit.edu/> for a description of current research activities). Application materials, specified above, should be sent directly to: **Professor Peter Fisher, Chair, Experimental Particle and Nuclear Physics Search Committee, Massachusetts Institute of Technology, 77 Massachusetts Avenue, 44-118, Cambridge, MA 02139-4307.**

PARTICLE THEORY

This search is focused on high-energy theory covering the energy scales from just beyond the standard model to the Planck scale. Current faculty in the Center for Theoretical Physics span a broad range of interests, including QCD, electroweak physics, unification, cosmology, and string theory. Candidates will be evaluated on the basis of potential contributions to the research programs carried out in the Center for Theoretical Physics. Application materials, specified above, should be sent directly to: **Professor Washington Taylor, Chair, Particle and Nuclear Theory Search Committee, Center for Theoretical Physics, 77 Massachusetts Avenue, 6-308, Cambridge, MA 02139-4307. The deadline for applications is December 1, 2002.**



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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Physicists (multiple posts)

Daresbury Laboratory, Cheshire

Opportunities exist for a number of physicists to join the newly formed Accelerator Science and Technology Centre (ASTeC). 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.

Vacancies in the following areas exist at Band 5 or 6 for recent graduate physicists (depending upon experience) and at Band 4 for recruits with several years relevant experience:

- Accelerator physics
- Magnet design
- Insertion devices

The work, based at Daresbury Laboratory in North Cheshire, would support the development of UK and international accelerator projects, including DIAMOND, the largest scientific facility to be built in the UK for over thirty years. Other ASTeC projects include novel accelerator based radiation sources, such as free electron lasers, and contributions on future linear colliders.

We are looking for highly motivated scientists 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 CLRC. 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 one of either accelerator physics, magnet design or insertion devices. For all positions a willingness to travel within the UK and overseas is essential, as is the desire to participate in large multinational collaborations.

Additional information is available from Jim Clarke (j.a.clarke@dl.ac.uk +44 (0)1925-603267) or Susan Smith (s.l.smith@dl.ac.uk +44(0)1925-603260) and also from <http://www.astec.ac.uk/jobs>

The salary range for Band 6 is up to £19,680 on a pay range £15,740 and £21,850, for Band 5 is up to £25,510 on a pay range £20,410 and £28,060, and for Band 4 is up to £32,380 on a pay range £25,900 and £35,620.

Salary on appointment is awarded according to relevant experience. An index-linked pension scheme, flexible working hours and a generous leave allowance are also offered.

Application forms

Application forms can be obtained from: Recruitment Office, Human Resources, Daresbury Laboratory, Daresbury, Warrington, Cheshire, WA4 4AD. Telephone (01925) 603114, or email recruit@dl.ac.uk quoting reference VND156/02. More information about CLRC is available from CCLRC's World Wide Web pages at <http://www.cclrc.ac.uk> More information about ASTeC and CLRC is available from <http://www.astec.ac.uk/>

All applications must be returned by 17 September 2002.

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

COUNCIL FOR THE CENTRAL LABORATORY



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