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Professor in Applied Mathematics

at the

Swiss Federal Institute of Technology Lausanne (EPFL)



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

The EPFL plans a substantial expansion in the basic sciences, including a significant reinforcement in mathematics, physics, and chemistry, and a major new effort in the life sciences.

As part of this broad program, the Mathematics Department has an opening at the full professor level. Applications for appointments at the Associate and Assistant Professor (tenure-track) levels will also be considered. We seek outstanding individuals in all areas of applied mathematics.

Applications in discrete mathematics and statistics are particularly encouraged. Successful candidates must develop an independent, internationally recognized program of scholarly research and must be willing to teach at both the undergraduate and graduate level. Substantial start-up resources will be provided.



Women candidates are strongly encouraged to apply.

More information about EPFL and its
Department of Mathematics at
<http://www.epfl.ch> and <http://dmawww.epfl.ch>.

Applications, including CV, publication list, concise
statement of research interests (3 pages or less)
and three letters of reference, should be sent by
August 31, 2001 to:

Professor Gerard Ben Arous
Chairman of the Search Committee
Department of Mathematics
Ecole polytechnique fédérale de Lausanne (EPFL)
CH-1015 Lausanne, Switzerland



ALBERT-LUDWIGS-
UNIVERSITÄT FREIBURG

POSTDOCTORAL RESEARCH POSITION (C1)

The experimental high energy physics group at the University of Freiburg (Germany) has an immediate opening for a research associate (C1) to take a leading role in our ongoing effort in the COMPASS experiment at CERN. The position is for three years with an extension not exceeding six years, with the goal of obtaining a German Habilitation. Applicants must have a PhD in particle physics and should have a strong interest in the structure of hadrons and in detector readout. Candidates are asked to apply with the usual documents to

Prof. Dr. Kay Koenigsmann
Fakultaet fuer Physik
Universitaet Freiburg
Hermann-Herder-Str. 3
79104 Freiburg.

Given equal qualifications, candidates with disabilities will be given preference. Qualified women are strongly encouraged to apply.

Postdoc in Experimental High Energy Physics University of New Mexico

The CDF group at the University of New Mexico invites applications for the position of Postdoctoral Research Associate. The successful applicant is expected to undertake major responsibilities in the operation and maintenance of the silicon vertex detector. In addition, the applicant must have demonstrated ability in data analysis. Residency at FermiLab is required.

The position is open immediately. Please send your resume and arrange for three letters of recommendation to be sent to:

Michael Gold
Department of Physics and Astronomy
University of New Mexico
Albuquerque, NM 87131
(mgold@unm.edu)

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UNIVERSITY OF FLORIDA

High Energy Experimental Physics Postdoc or Research Scientist

The High Energy Experimental Group of the UF Physics Department is seeking a candidate to fill a position at the level of a Research Associate or Research Scientist, depending on an applicant's qualifications. The UF leads the Endcap Muon System Project for the CMS Detector at CERN, and, also, is responsible for the CMS Endcap Muon Level-1 Trigger.

During the first three years, the new person will be in charge of testing large muon chambers with electronics in the cosmic ray setup at the University of Florida. He/she will lead the team of physicists, grad students and technicians involved in this task. The task will include development of the data acquisition system for the tests, data analysis, and code development for the CMS muon system. The test and analysis software will be used at UF and the other five construction sites. Later, this person will be directly involved and will play a key role in the commissioning of the CMS Endcap Muon System at CERN.

Electronics hardware and data acquisition software experience are essential. Good data analysis skills in the context of high energy physics are needed. Ph.D. degree in physics (or, in exceptional cases, MS degree) with solid relevant research background are required. The position is open immediately. Please send your resume and arrange for three letters of recommendation to:

Prof. Korytov,
Physics Dept, University of Florida, Gainesville FL 32611, USA
(korytov@phys.ufl.edu)



Max-Planck-Institut für Physik (Werner-Heisenberg-Institut)

We invite applications from recent
Ph.D. graduates for
two post-doctoral positions in

Experimental High Energy Physics

The appointments are made for two years and the positions are available now.

With this year's upgrade of the HERA collider, with prospects for a five-fold increase in luminosity as well as running with a polarized lepton beam, and the upgrade of the H1-Experiment, we are entering a new and exciting phase of physics with *ep*-collisions.

Our group has been engaged in the H1-Experiment at HERA and is actively participating in upgrading the detector for data taking with HERA II. Our main new projects are the liquid argon calorimeter jet trigger, a fast first level trigger delivering jet-like energy clusters, and new sophisticated preprocessing of the input data for the existing second level neural network trigger.

Our group is involved in various aspects of H1 Physics analysis such as structure functions, heavy quark and jet production, heavy vector meson production and search for instantons in QCD. The substantial increase in luminosity will emphasize the physics at high Q^2 . We expect the successful candidates to become engaged in one of our upgrade projects and to participate in one of our physics programs.

Our Institute is seeking to increase the number of women in high energy physics. Therefore qualified women are especially encouraged to apply. Applicants with a physical handicap will be given preference, if equally well qualified.

Applications with full CV, statement of research interests, publication list, and names and addresses of three referees, or any inquiries should be made as soon as possible to:

Prof. G. Buschhorn,
Max-Planck-Institut für Physik (Werner-Heisenberg-Institut)
Föhringer Ring 6, D-80805 München
(email: gwb@mppmu.mpg.de)

FACULTY POSITION IN THEORETICAL PHYSICS TOKYO METROPOLITAN UNIVERSITY

The Department of Physics of Tokyo Metropolitan University (TMU) invites applications for an Associate Professor appointment in Theoretical Particle, Nuclear, or Astrophysics, or some interdisciplinary combination of these areas. The appointment can start as early as April 1, 2002. The successful candidate must possess a Ph.D. (or equivalent) and must exhibit potential for research excellence. Teaching in undergraduate or graduate courses need not be in Japanese but can be in English. The appointment is tenured for one who has Japanese citizenship, and is initially for three years and is renewable for one who does not. It can become a permanent appointment (subject to mandatory retirement at age 63) upon approval by the Governing Council of TMU. For a more detailed description of the procedure and examples of successful renewal and upgrading to tenure, please visit our webpage: <http://www.phys.metro-u.ac.jp/physe.html>.

The Department currently has 49 faculty members and has strong theoretical and experimental programs. Our webpage contains detailed descriptions of the research topics covered.

Applicants should send their curriculum vitae, list of publications, copies of 5 principal publications, statement of research interests, and arrange three letters of reference to be sent to: **Professor Kazuhiko Okuno, Chair of the Search Committee, Department of Physics, Tokyo Metropolitan University, Hachioji, Tokyo 192-0397, Japan.** For full consideration, completed applications should be received by **August 15, 2001**. Inquiry by e-mail may be addressed to search@phys.metro-u.ac.jp.

UCD

UNIVERSITY COLLEGE DUBLIN

An Coláiste Ollscoile Baile Átha Cliath

FACULTY OF SCIENCE

DEPARTMENT OF EXPERIMENTAL PHYSICS

Ref: (000170)

The Governing Authority of the University invites applications for the following full-time Professorship:

THE PROFESSORSHIP OF EXPERIMENTAL PHYSICS - (EXPERIMENTAL PARTICLE PHYSICS)

The annual stipend attached to the office is in the range of
IR£54,209 - IR£70,045 (new entrants)

Prior to application, further information
(including application procedure) should be
obtained from the:

Personnel Office,
University College Dublin,
Belfield, Dublin 4, Ireland
(quoting the above reference number).
Fax: +353 1 269 2472
E-mail: Orla.Cosgrave@ucd.ie
or by post-card

Closing date: Not later than 5:00pm on Tuesday 31 July, 2001.
Further information about the university can be obtained from
<http://www.ucd.ie>



National University of Ireland, Dublin

UCD IS AN EQUAL OPPORTUNITIES EMPLOYER

Spallation Neutron Source Project

The Spallation Neutron Source Project (SNS) at Oak Ridge National Laboratory invites applications for various positions in the Accelerator Systems Division, The US Department of Energy's (DOE) Office of Science has funded the design and construction of the SNS, which will provide the world's most powerful pulsed spallation source for neutron scattering research. The SNS is a partnership between six DOE laboratories: Argonne, Brookhaven, Lawrence Berkeley, Thomas Jefferson, Los Alamos and Oak Ridge. The SNS will be based on a high-intensity front end, providing a chopped H⁺ beam, a 1-GeV pulsed normal conducting followed by superconducting RF linac, a 248-m-circumference accumulator ring, a liquid mercury target and a suite of best-in-class scientific instruments. Design and construction is underway and the project is scheduled for completion in 2006.

Staff positions are available for:

Physicists

Senior Ring Team Leader, Senior Linac Team Leader

Operations

Operations Deputy Manager, Operations Coordinator, Chief Operators

Software and Programming

Beam Physics Applications, EPICS Controls System

Mechanical Engineers

Front End, Warm Linac, Cold Linac, Cryogenics, Vacuum, Diagnostics

Electrical Engineers

Low-Level RF, High-Power RF, Power Supply, Pulsed Power, Diagnostics, Controls System

Technicians

Low-Level RF, High-Power RF, Mechanical, Vacuum, Power Supply, Pulsed Power, Ion Source, Diagnostics, Controls System

For more complete descriptions, visit our Web site at: www.sns.gov

Qualified and interested candidates should send a resume, with a list of three references, to: M.J. Fultz, Spallation Neutron Source Project, 701 Scarborough Road, MS-6477, Oak Ridge, TN 37830; e-mail: fultzmj@sns.gov. Please reference the job title when applying. Applications will be accepted until the positions are filled.

ORNL, a multiprogram research facility managed by UT-Battelle, LLC, for the US Department of Energy, is an equal opportunity employer committed to building and maintaining a diverse workforce.



UNIVERSITY OF FLORIDA

Project Coordinator Needed for GriPhyN Project

The Physics Department of the University of Florida invites applications for a new position at the Assistant or Associate Scientist level (non-tenure accruing), to begin July 15, 2001 and continuing for the lifetime of the project, contingent on Federal funding. We are looking for an outstanding individual to act as R&D Project Coordinator for the GriPhyN Project (<http://www.griphyn.org/>), an exciting five-year initiative funded by the National Science Foundation. GriPhyN's goal is to research, develop and build the infrastructure that will unite global computational, storage and networking facilities into petabyte-scale "computational data grids", accessible from anywhere in the world.

Candidates should have completed a Ph.D or have equivalent experience in the physical or computational sciences. Duties will be to coordinate R&D and outreach activities and assess progress in these areas. He or she will also work closely with the Project Directors, funding agencies and other national and international Grid projects. The salary for the position starts at \$75K, but could be significantly higher depending on experience and qualifications.

Applicants should submit a letter outlining their qualifications and interests and a curriculum vitae, including a list of publications and brief summaries of research interests and accomplishments. Send applications to, and arrange to have at least three letters of reference sent directly to,

Prof. Paul Avery, P.O. Box 118440, Department of Physics, University of Florida, Gainesville, FL 32611-8440, USA,

Questions can be addressed by e-mail to avery@phys.ufl.edu or foster@mcs.anl.gov or by phone to 352-392-9264.

To ensure full consideration, applications must be received before July 1, 2001. For e-mail applications, only PDF and text file enclosures will be accepted.

The University of Florida is an Equal Opportunity, Affirmative Action Institution.

ASSOCIATE RESEARCH SCIENTIST IN LATTICE GAUGE THEORY

COLUMBIA UNIVERSITY AND
BROOKHAVEN NATIONAL LABORATORY

The Theoretical Physics Group at Columbia University and the Physics Department of Brookhaven National Laboratory seek to fill a long-term research staff position supporting research in lattice QCD. This position will involve a combination of direct research in particle physics using large scale numerical simulation, and the development and testing of new algorithms and software support for the community of users of both the present and planned Teraflops-scale parallel computers at Columbia and Brookhaven. The successful candidate should have a Ph.D. in theoretical physics or a commensurate degree in computer science or engineering with extensive experience in high-performance computing, numerical algorithms, and the creation and maintenance of large software systems. Applications, including a CV, description of research experience and three letters of recommendation, should be sent to:

Professor Norman Christ, Department of Physics, Columbia University, 538 W. 120th Street, New York, NY 10027

Review of applications will begin on June 15th, 2001 and will continue until the position is filled.

Columbia University and the Brookhaven National Laboratory are affirmative action/equal opportunity employers and encourage applications from women, minorities, and disabled persons.

UNIVERSITY OF BERN, SWITZERLAND

PhD student position

available immediately to work on

the ORPHEUS dark matter experiment

APPLY TO:
Prof. Dr. Klaus Pretzl
pretzl@lhep.unibe.ch

NEED TO RECRUIT?

Call
Jayne Purdy on
+44 (0)117 930 1028

Faculty Position: Experimental Particle Physics Florida Institute of Technology

The Department of Physics and Space Sciences has an open faculty position beginning August 2001.

Areas of interest of the high-energy group are L3 and CMS at CERN and particle physics in space such as the International Space Station. Assistant Professor level is expected but a higher rank may be possible.

Send applications, including CV, statement on research and teaching, and the names of at least 4 references to:

Professor Laszlo Baksay, Department Head, Physics and Space Sciences, Florida Institute of Technology, Melbourne, FL 32901, USA.

E-mail: mcdivit@fit.edu

cerncourier.com



LABORATÓRIO DE INSTRUMENTAÇÃO E
FÍSICA EXPERIMENTAL DE PARTÍCULAS

RESEARCH ASSOCIATE IN EXPERIMENTAL PARTICLE PHYSICS

Applications are invited for a Research Associate position at LIP-Lisbon to work in the CMS experiment at CERN.

The successful applicant will participate in the LIP activities in the CMS Electromagnetic Calorimeter Trigger and Data Acquisition. The work will involve the development of control software, the test of hardware prototypes and the development of electron and photon reconstruction algorithms.

The successful applicant will be based in the Geneva area integrating a LIP team of physicists and engineers on the CERN site.

Applicants should have a PhD in particle physics and expertise in modern software techniques. The position is for a duration of three years, with a possible extension of three years, and is available from July 2001. A later starting date is possible.

Applications, comprising a curriculum vitae, a list of publications and three letters of reference, should be sent to Joao Varela, CERN/EP, 1211 Geneva 23.

Further information can be requested from joao.varela@cern.ch or obtained at the LIP web site <http://www.lip.pt>

PhD-Position in Experimental Particle Physics

at the

Faculty of Physics of the University Freiburg

A position for experimental high energy physicists for the ZEUS experiment at the electron-proton storage ring HERA, at DESY, Hamburg is available now. The position will start with a grant and will turn after some period into a BAT IIa/2.

The field of activity is the participation in the running of the ZEUS detector, the participation in its upgrade program, and the analysis of data from the ZEUS detector. Some teaching at the University is required, the residence will 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

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

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July/Aug issue: 15th June

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Contact Jayne Purdy:

Tel. +44 (0)117 930 1028 **Fax** +44 (0)117 930 1178 **E-mail** jayne.purdy@iop.org

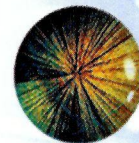
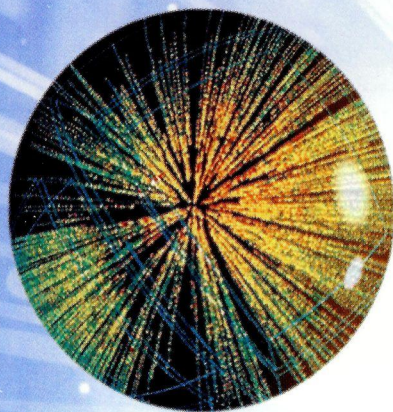
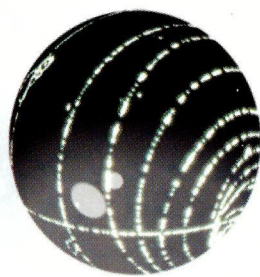
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