

RECRUITMENT

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Junior Faculty Position in Experimental Particle Physics

The Physics Department at Princeton University invites applications for a position at the rank of Assistant Professor. The successful candidate will join the department's elementary particles (EP) experimental group for the Fall 2005 semester. The Princeton EP group is currently engaged in experiments at CERN (CMS), Fermilab (DØ and MiniBooNE), KEK (Belle), and SLAC (BaBar) and is also active in R&D aimed at developing future accelerators and detectors. The group's highest priority is an expansion of its effort in CMS, but strong candidates with other interests are also encouraged to apply. An application form and instructions may be found at www.physics.princeton.edu/www/EP_Faculty_2005.html. Review of the applications will begin November 5, 2004 and continue until the position is filled.

Princeton University is an Affirmative Action/Equal Opportunity employer and particularly welcomes applications from women and members of minority groups.

For information about applying to Princeton, please see www.princeton.edu/sites/dof/ApplicantsInfo.htm

Other questions may be addressed to

Professor Daniel Marlow,
Chair, Physics Dept., P.O. Box 708
Princeton University
Princeton, NJ 08544 USA
or via e-mail: marlow@princeton.edu



TECHNISCHE
UNIVERSITÄT
DARMSTADT

The Department of Physics has an opening for a

Professor Theoretical Nuclear Physics

At the Institute for Nuclear Physics, starting October 1, 2005

We are seeking an outstanding individual who represents Theoretical Physics in research and teaching. Applications are invited in the area of hadron physics with expertise in the field of QCD-based hadron structure and interactions, medium modifications of hadronic degrees of freedom and properties of hot and dense nuclear matter.

Collaboration with the DFG center of excellence (Sonderforschungsbereich 634) and the research initiatives at the Gesellschaft für Schwerionenforschung is expected. Active participation in all areas of teaching as well as in the self-governing bodies of the Department are required.

As of 2005, the State of Hesse introduces a new remuneration scheme ("Besoldungsordnung W"). Remuneration will be according to that scheme which entails employment in an "außertariflichen Angestelltenverhältnis". Renumeration is subject to negotiation between the candidate and the university administration. Professors who are already employed in the civil service can retain this status.

The Technische Universität Darmstadt is an equal opportunity, affirmative action employer and encourages applications from women. For the employment § 71 of the Hessian University Law applies.

Applications, including the curriculum vitae, list of publications, as well as research and teaching records should be **sent no later than October 31, 2004 to Head of the Department of Physics, Technische Universität Darmstadt, Hochschulstr. 12, D-64289 Darmstadt, GERMANY**



Research Scientist, Theory Group

TRIUMF, Canada's national research facility for particle and nuclear physics, is currently accepting applications for a Research Scientist in the Theory Group who will provide broad scientific leadership for the ISAC program. ISAC is TRIUMF's Isotope Separator Accelerator which provides the world's most intense low-energy beams of light radioactive isotopes. These beams are used for fore-front experiments in nuclear physics and astrophysics, and for high precision symmetry tests of the standard model of particle physics.

You must have a Ph.D. and post-doctoral or faculty experience in nuclear physics or astrophysics, and a strong research record over several years as evidenced by articles in peer-reviewed journals and talks at international conferences. In addition to carrying out a sustained independent research program, you will supervise Research Associates and participate in activities which connect the Theory Group to the overall TRIUMF research program.

This is a full time research position leading to a continuing appointment and is considered equivalent to a faculty position at a Canadian university including eligibility to apply for NSERC peer-reviewed funding. Adjunct professor status, teaching courses and supervising graduate students can be arranged through TRIUMF's affiliated universities. Salary will be commensurate with education and depth of experience.

Applicants should submit a CV, including a list of publications and summary of scientific interests, and also arrange to have four reference letters sent under separate cover to: **TRIUMF, Human Resources Dept, (Competition No. 945), 4004 Wesbrook Mall, Vancouver, B.C. V6T 2A3, OR by fax: 604-222-1074.** Consideration of applications will begin December 31st, 2004, and continue until the position is filled. Please note that in the event where two final applicants are equally qualified and one is a Canadian Citizen or permanent resident, this may be a deciding factor in the final decision.

POSTDOCTORAL POSITION IN NEUTRINO PHYSICS

The Berkeley Lab Physics Division invites outstanding recent PhD recipients to apply for a postdoctoral position to investigate the feasibility of an experiment to study neutrino oscillations in a reactor anti-neutrino disappearance experiment. LBNL has a diverse program in neutrino physics and is participating in the observation of neutrino oscillation at SNO and KamLAND.

The successful candidate will participate in simulation, design, construction and test of detector systems, as well as data taking in this new initiative and must have training in experimental particle or nuclear physics and object oriented programming. Part time participation in other areas of the physics program where data is actively being collected is also possible.

This is a two-year appointment with the possibility for renewal. Students who expect to receive their PhD in Physics or a related field degree by February 1, 2005 are also invited to apply. Interested applicants should submit via email a curriculum vitae, publication list, statement of research interests and names and e-mail addresses of at least three references, to gensciemployment@lbl.gov.

Applications should reference job number PH/017352/JCERN and must be received by November 1, 2004. Applicants who fail to receive an acknowledgement should contact blcu@lbl.gov. LBNL is an equal opportunity employer committed to developing a diverse workforce.





THE UNIVERSITY
of LIVERPOOL

The Cockcroft Institute for Accelerator Science and Technology

Director

Attractive salary

The Cockcroft Institute has recently been established as an international institute for Accelerator Science and Technology. It will be a centre of world-class research and development, and will provide the intellectual focus, educational infrastructure and essential scientific and technological facilities for UK scientists and engineers to take a global lead in future accelerator design, construction and operation. It will collaborate actively with UK high-technology industry in contributing to future projects in the field – nationally and internationally. The Institute is a joint venture of six organisations which are all committed to developing a global centre of excellence: Lancaster University, the Universities of Liverpool and Manchester, the Daresbury Laboratory (the Council for the Central Laboratory of the Research Councils CCLRC), the Particle Physics and Astronomy Research Council (PPARC), and the North-West Development Agency (NWDA).

A scientist with an outstanding international reputation in the science and technology of particle accelerator systems is

sought to be inaugural Director of the Institute. S/he will be based in a new and purpose built site at the Daresbury Laboratory in England. S/he will have prior experience in the operation of a major accelerator facility and must be able to demonstrate an ability to lead, manage and direct teams of scientists and engineers, to take a strategic view of the scientific and technological programme of the Institute, and to have the necessary interpersonal skills to establish and develop major links with industrial partners. The Director will also hold a Chair in the University of Liverpool.

For more information, including how to request an informal and confidential discussion about the appointment, or how to apply, please refer to our advisor's website at WWW.SAXBAM.COM/ARC using reference BLIC/C or email BLIC@SAXBAM.CO.UK. If you do not have access to the internet/ email please telephone +44 (0) 1483 409 713 (during office hours).

A first consideration of applications will be made in late October.

SAXTON BAMPFYLDE HEVER

THE AMROP HEVER GROUP

WE HIGHLIGHT SCIENCE

The European Synchrotron Radiation Facility (ESRF) is Europe's most powerful light source. It is located in the unique scientific environment of Grenoble, in the heart of the French Alps.

The ESRF offers you an exciting opportunity to work with international teams on a wide range of scientific subjects using synchrotron light: Physics and Chemistry, Life Sciences and Medicine, Earth and Environmental Sciences, Surface and Materials Sciences.



Scientists
Post-doctoral fellows
PhD students
Engineers
Technicians
Administrative staff

Have a look at our vacancies at: www.esrf.fr

Contact us at: recruitment@esrf.fr

UNIVERSITÄT DORTMUND

Im Fachbereich Physik ist zum
01.10.2005 eine

Universitätsprofessur C3
für Phänomenologie und Grundlagen
der Elementarteilchen
zu besetzen.

Das Arbeitsgebiet der Bewerber/Bewerberinnen sollte auf dem Gebiet der Flavourphysik (schwere Quarkzerfälle, Neutrino-physik, etc.) und wenn möglich, Anwendungen in der Astroteilchenphysik liegen.

Die Bereitschaft zur Zusammenarbeit mit den experimentellen Arbeitsgruppen (BABAR, ATLAS, LHC-B, Amanda/ICECUBE, H1) ebenso wie die Mitarbeit im Graduiertenkolleg "Physik der Elementarteilchen an Beschleunigern und im Universum" und am Forschungsband "Modellbildung und Simulation" wird erwartet.

Eine angemessene Beteiligung in der Lehre und der Selbstverwaltung wird erwartet.

Habilitation oder habilitationsadäquate Leistungen werden vorausgesetzt. Es gelten die Einstellungsvoraussetzungen des § 46 HG des Landes NRW. Es wird darauf hingewiesen, dass ab 01.01.2005 die W-Besoldung gilt.

Es wird darauf hingewiesen, dass die Bewerbungen von Frauen ausdrücklich erwünscht sind und Frauen bei gleicher Eignung, Befähigung und fachlicher Leistung bevorzugt berücksichtigt werden, sofern nicht in der Person eines Mitbewerbers liegende Gründe überwiegen. Die Bewerbung geeigneter Schwerbehinderter ist erwünscht.



Bewerbungen mit Lebenslauf, wissenschaftlichem Werdegang, Schriftenverzeichnis und Angaben über die bisherige Lehrtätigkeit sind bis zum **31.10.2004** zu richten: Dekan des Fachbereichs Physik, Universität Dortmund, D-44221 Dortmund (Deutschland).

CHIEF EXECUTIVE

You don't have to be Einstein, but...

The Institute of Physics is an international learned society and professional body for the advancement and promotion of physics. It is a registered charity with more than 37,000 members worldwide.

The Chief Executive, based in London, leads staff of some 300 in the Institute's offices in London, Bristol and Philadelphia, who run major programmes and generate income of about £29 million derived from subscriptions, endowments and profits from commercial activities.

Candidates must be of the highest calibre with a first-class record of leading and managing an organisation at chief executive/managing director

level and they should have a background in physics or a related subject, preferably to higher-degree level. Experience of dealing with government and academia is vital, and an understanding of and exposure to commercial activities, publishing, training or education would be useful.

There is a strong influencing element to the role because of the need to establish effective relationships with external bodies that have relevance to the purposes of the Institute, including schools, universities, government, the city, commerce and industry.

First-class leadership skills should be combined with presence, vision, stature and self-confidence. Public speaking and media skills should be of the highest order, together with tact,

diplomacy, a passion for the Institute's work and a good understanding of physics policy.

The salary will be subject to negotiation but will not be less than £120,000 p.a.

For further information, contact

Theresa Blythin
Institute of Physics
76 Portland Place
London W1B 1NT
Tel: +44 (0)20 7470 4800
E-mail: theresa.blythin@iop.org

Applications should be received by 15 October.

The Institute of Physics is an equal opportunities employer.



PhysicsWorld

November issue

QUANTITATIVE FINANCE SPECIAL

The special section of *Physics World* on careers for physicists in finance will examine the different options that are available, describe what life is like in the financial world and explain how physics students and recent graduates can maximize their chances of getting jobs in this field.

There will be dedicated recruitment pages specifically for opportunities in the world of quantitative finance following the editorial.

If you have vacancies of this nature, please contact Jayne on Jayne.purdy@iop.org or +44 117 930 1027 to discuss suitable advertising options, including magazine advertising and online exposure.

Booking deadline is 22 October.

Early bookings before 3 October will benefit from 10% discount off all advert sizes and extended Web coverage on www.cerncourier.com and www.physicsweb.org.



University of Hamburg

The Physics Department at the University of Hamburg invites applications for the tenure faculty position of an

Associate Professor (W2 Professur) in Accelerator Physics

Starting in October 2005.

We seek candidates with a strong commitment to both research and teaching and with an international reputation in the physics of high energy particle accelerators and/or synchrotron radiation sources. The successful candidate is expected to assume a leadership role in the accelerator physics research related to the existing particle accelerators and radiation sources at DESY (first-class storage rings and an ultraviolet Free Electron Laser) and/or the proposed TESLA project including an X-ray Free Electron Laser. In particular we seek candidates with broad interest and expertise in such areas as beam dynamics and radiation propagation, superconducting accelerator structures, and physics of femtosecond ultra-relativistic electron bunches.

This position combines the best aspects of working at a major university and a leading laboratory. The present tradition at Hamburg to deeply involve graduate (diploma and PhD) students in the accelerator research at DESY shall be continued.

The teaching duties (8 h per week) at Hamburg University comprise teaching of undergraduate and graduate students as well as supervision of diploma and PhD work. In the framework of opening the university to foreign students, the lectures and exercises can be held in English, especially for students in higher semesters. Good knowledge of the German language is desirable but not a condition.

Basic requirements: As in § 15 Hamburgisches Hochschulgesetz.

The University of Hamburg is an equal opportunities employer and welcomes applications from all suitably qualified people, regardless of race, ethnic or national origin, age, religion, sex, gender identity, marital status, disability or sexual orientation.

Applicants should submit a curriculum vitae, a list of publications, a brief statement or research interests, and material proving the ability to carry out an independent research program and teaching skills before **November 30th, 2004** to:

The President of the University of Hamburg, Personnel and Organization, Ref. 631.6, Position no. 1864/W2, Moorweidenstraße 18, 20148 Hamburg, Germany. E-mail information: joerg.rossbach@desy.de

TOR ZUR WELT DER WISSENSCHAFT

FACULTY POSITION
**Experimental Particle Physics
Indiana University**

The Department of Physics invites applications for a tenure-track faculty position in collider-based high-energy particle physics to start Fall 2005. The Department has a strong experimental particle physics program at the energy frontier with faculty members playing leading roles in experiments currently taking data and preparing for the future: the D0 experiment at Fermilab, the ATLAS experiment at CERN, and R&D for a future e^+e^- linear collider. More information is available at <http://physics.indiana.edu/xxx>. We seek candidates with a Ph.D. in physics, outstanding leadership qualities, and proven or potential excellence in both research and teaching. Applicants should submit a curriculum vitae, list of publications, statement of research interests and proposed activities, and arrange for at least three letters of reference to be sent to:

HEP Search Committee
Attn: Prof. Rick Van Kooten
Physics Department, Swain West 117
Indiana University
Bloomington, IN 47405 USA

Applications will be reviewed beginning December 15, 2004 until the position is filled. E-mail inquiries and questions may be addressed to:

search_hep@hep.physics.indiana.edu

*Indiana University is an Affirmative Action/Equal Opportunity Employer.
Applications from women and minorities are particularly encouraged.*

LEDERMAN FELLOWSHIP

Experimental Particle or Accelerator Physics

The Fermi National Accelerator Laboratory (Fermilab) has an opening for a postdoctoral Lederman Fellow in experimental particle physics or accelerator physics. The successful candidate must have demonstrated outstanding ability in research. In recognition of Leon Lederman's commitment to the teaching of physics at all levels, he or she will be expected to participate, for a small fraction of the time, in physics outreach. The successful candidate will have a choice among experiments, which include Tevatron and LHC collider experiments, neutrino experiments, other fixed target experiments and astroparticle physics experiments, or research on accelerators. See <http://www.fnal.gov/> for more information.

Candidates should have obtained a Ph.D. in experimental particle or accelerator physics after August 31st 2003. The appointment is normally for three years with an extension possible. To apply write to **Dr. Michael Albrow (Chair of Lederman Fellowship Committee)**, Fermi National Accelerator Laboratory, MS 122, P.O.Box 500, Batavia, IL 60510-0500. Applicants should send a letter including their research experience and noting any experience or interest in teaching and outreach, a curriculum vita, publication list and the names of at least four references. The deadline for applications is **December 10, 2004**.



Deutsches Elektronen-Synchrotron



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

The ZEUS/F1 group is responsible for the operation of the ZEUS experiment, analysis of HERA data and is involved in detector development for use in future experiments. The laboratory in Hamburg invites applications for a

Physicist (PhD) in experimental particle physics

with postdoctoral experience in high energy physics. The successful candidate will participate in the further development of ZEUS online and offline software and consolidate the continuing success of the experiment. Further you will participate in data analysis and collaborate in the silicon pixel detector development project aimed at future applications in elementary particle and photon physics.

You have proven knowledge of software development and data processing on large distributed computer systems and experience with hardware programming and detector development. The ability to participate in teamwork, to lead groups and to supervise students is required. If you are interested in this position, please send your complete application papers to our personnel department. For further information, please contact Dr. Zeuner on +49 40/8998-3150.

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: 79/2004 • Notkestrasse 85 • D-22603 Hamburg • Germany
Phone: +49 40/8998-3392 • www.desy.de
email: personal.abteilung@desy.de

Deadline for applicants: 15th November 2004

cerncourier.com

POSTDOCTORAL FELLOW

The Relativistic Nuclear Collisions Program (RNC) of the Nuclear Science Division at Lawrence Berkeley National Laboratory (LBNL) is seeking outstanding candidates to fill a postdoc position. The RNC Program plays a lead role in the STAR experiment at the Relativistic Heavy Ion Collider (RHIC) at LBNL. Candidates having interests in spin physics at RHIC are invited to apply. In addition to physics analysis, RNC has major detector responsibilities in STAR and a strong detector R&D program. LBNL is the host of the National Energy Research Supercomputing Center, which provides a valuable computing resource to the Nuclear and High Energy Physics communities.

This is a two-year term appointment with the possibility of renewal. Interested candidates should have obtained a PhD in Nuclear or High Energy Physics within the last two years.

To apply, please send a CV, a list of publications and the names of three references via email (our preferred method) to: gensciemployment@lbl.gov or mail to Lawrence Berkeley National Laboratory, One Cyclotron Road, MS: 50-4037D, Berkeley, CA 94720. Applications should reference job number NS/017449/JCERN and must be received by December 1, 2004. LBNL is an equal opportunity employer committed to developing a diverse workforce.



LAWRENCE BERKELEY NATIONAL LABORATORY - ATLAS

The Physics Division at Lawrence Berkeley National Laboratory (LBNL) has the following opportunities available to work on the ATLAS Experiment at the Large Hadron Collider (LHC) at CERN.

Divisional Fellow

LBNL is seeking a scientist with outstanding promise and creative ability in the field of experimental high-energy physics. The appointment will be as a Divisional Fellow for a term of up to five years, with the expectation of promotion to a career position as a Senior Staff Scientist. An immediate appointment as a Senior Staff Scientist may be considered in exceptional cases.

The successful candidate will take a leadership role in the ATLAS program at LBNL in preparation for the data taking and analysis phase of the ATLAS experiment. The current ATLAS program at LBNL includes major efforts in LHC physics and simulation, software development and the silicon pixel and silicon strip systems for the ATLAS tracking detectors. Berkeley will have a long-term leading role in physics analysis and in future detector upgrades to ATLAS. Candidates should have several years of experience in experimental particle physics beyond the PhD and have demonstrated leadership capabilities. Applications should reference job number PH/017298/JCERN and must be received by December 3, 2004.

Postdoctoral Fellow

The ATLAS group also has an opening for a Postdoctoral Fellow to be involved in our ongoing activities and later in analysis of the first data from the LHC. This is a two-year term position with the possibility of renewal up to a total of five years. To qualify, the candidate should have a PhD in Experimental High Energy Physics or equivalent experience and demonstrated strong potential for outstanding achievement as an independent researcher. Applications should reference job number PH/017413/JCERN and will be accepted until the position is filled.

For either position, applicants should submit via e-mail a curriculum vitae, a publication list and a statement describing their research experience and future interests, as well as arrange to have three letters of recommendation sent to sdcheeseboro@lbl.gov. Please reference the appropriate job number when applying. LBNL is an Affirmative Action/Equal Opportunity Employer committed to the development of a diverse workforce.



POSTDOCTORAL ASSOCIATES AND VISITING RESEARCHERS



Institute of Nuclear Physics (IFJ PAN)

Polish Academy of Sciences

Krakow Poland

<http://www.ifj.edu.pl/ang/index.html>

The Institute of Nuclear Physics has an opening for two postdoctoral research associates within the Department of Particle Theory for 24 months each, with approximate starting dates of 01/01/2005 and 01/01/2006.

Salary: 47000 euro/year, subject to corrections and deductions, supplemented with mobility allowances according to the general rules of the "Marie Curie Actions". Positions for senior researchers, ranging from 2 to 12 months and with salary of 70500 euro/year, subject to corrections and deductions, are also available. For details see

http://mc-opportunities.cordis.lu/show-PRJ.cfm?obj_id=6828

The closing date for the first meeting of the postdoctoral associate selection committee: 04 Oct 2004. However the positions will remain open until suitable candidates are found.

The positions are financed by the European Union Marie Curie Actions: Human Resources and Mobility, under contract MTKD-CT-2004-510126 "Computational Tools and Methods for Physics at Large Hadron Collider" in partnership with CERN Physics Department. The MTKD contract ends in summer 2008. See http://mc-opportunities.cordis.lu/show-VAC.cfm?obj_id=7342

The candidate should satisfy the eligibility criteria.

The group is seeking research associates to join the project of development of the Monte Carlo Programs and calculational techniques for phenomenological studies of the LHC physics.

Applicants should have a Ph.D. in theoretical or experimental particle physics. Interested candidates should provide a curriculum vitae, a list of publications, and arrange for two letters of reference to be sent to: Prof. Stanislaw Jadach.

The group offers opportunity to collaborate, in particular, with the following scientists: Jadach, Skrzypek, Placzek, Richter-Was, Was, Jezabek and Golec-Biernat, known for their achievements in phenomenology of experiments at LEP, LC, LHC and HERA. The experimental groups from IFJ PAN participate directly in these experiments.

**Contact: Prof. Stanislaw Jadach, Institute of Nuclear Physics,
Polish Academy of Sciences ul. Radzikowskiego 152 31-342 Krakow
tel. +48-12-662-8010, fax +48-12-662-8012 Stanislaw.Jadach@ifj.edu.pl or
Stanislaw.Jadach@cern.ch**

PhysicsJobs @ physicsweb.org



High Performance Computing Physicist

The National Superconducting Cyclotron Laboratory (NSCL) invites applications for a Postdoctoral or staff position in Computational Physics.

Candidates should have a PhD or MSc in Physics with a strong background on parallel computer codes and FORTRAN programming. MSU is in the process of acquiring an SMP and a loosely coupled computer cluster.

The successful applicant is expected to collaborate with NSCL scientists in the conversion of accelerator and nuclear physics codes to run in parallel computers, and in the development of new codes of common interest in support of the NSCL research program. The position is for two years, with the possibility of an extension. The position will start in the fall of 2004.

Applicants should send an application letter with a full CV, including a list of publications to:

**Chasity Fudella, NSCL, Michigan State University,
1 Cyclotron Laboratory, East Lansing MI, 48824-1321
or by email: fudella@nscl.msu.edu.**

In addition the applicants should arrange to have two letters of reference sent to the above address.

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

TENURE-TRACK PROFESSORIAL POSITION

Theoretical Particle Physics

Cornell University

The Department of Physics at Cornell University invites applications for a tenure-track Assistant Professor appointment in theoretical particle physics, to begin in Fall 2005 or later. Outstanding applications at a more senior level may be considered in exceptional cases. We are seeking highly qualified candidates committed to a career in research and teaching. We are encouraging applications from candidates with interests in any area of high-energy physics, including string theory, particle cosmology, physics beyond the Standard model, and Standard Model physics.

Applicants should send their curriculum vitae, publication list, a brief description of their research interests, and arrange for three letters of reference to be sent to:

Prof. Matthias Neubert, Search Committee Chair
Newman Laboratory for Elementary-Particle Physics
Cornell University, Ithaca, NY 14853

Applications received before November 15, 2004 will receive fullest consideration, although later applications may also be taken into account. Cornell University is an equal opportunity, affirmative action employer.

CORNELL



Kavli Institute For Cosmological Physics

At The University of Chicago

KICP Postdoctoral Research Fellowship

The KICP invites applications for one or more NSF Funded Postdoctoral Research Fellowships from young scientists of exceptional ability and promise who will have received a PhD. in Physics, Astrophysics or related fields by September 2005. The appointee(s) will be expected to conduct original research in experimental or theoretical cosmology in an interdisciplinary environment. The initial appointment is for one year, renewal annually, for up to three years. Our positions have competitive salaries and carry faculty level benefits. Institute Fellows have the freedom to work on any of the efforts in our Institute.

Research at the Kavli Institute for Cosmological Physics (KICP), based at the University of Chicago, is focused on interdisciplinary topics in cosmological physics: characterizing the Dark Energy, studying the inflationary era, and understanding the highest energy cosmic rays. Studies of the CMB (polarization anisotropies and the Sunyaev-Zel'dovich effect) and Cosmic Infrared Background; analysis of Sloan Digital Survey and other large-scale structure data; high energy astrophysics with photons and cosmic rays, direct detection of Dark Matter particles and numerous topics in theoretical cosmology constitute the current slate of activities. The KICP also has active visitors, symposia, and education/outreach programs. Information about the KICP can be found at <http://kicp.uchicago.edu/>.

An application consisting of a Curriculum Vitae, a statement of research interests, and at least three letters of recommendation should be sent to centerfellow@kicp.uchicago.edu or to

**Bruce Winstein, Director, Kavli Institute for Cosmological Physics,
5640 S. Ellis Avenue, Chicago, IL 60637.**

The application deadline is December 1, 2004 for positions that will begin in the Summer or Fall of 2005.

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.



D-Zero Research Associate

A three year Research Associate position (job ref A363) is available immediately to work on offline track reconstruction and B-hadron physics. We have major responsibility for the maintenance and improvement of the offline track reconstruction software that we supplied for Run 2 of the Tevatron and we also expect the successful applicant to contribute to our B physics data analysis efforts, possibly in the measurement of BS mixing. The successful applicant should have a PhD in experimental particle physics and will be based at Fermilab for some or all of the duration of their contract.

Initial salary: £21,640 plus overseas allowances. Closing date: 31st October 2004.

For further information online, please visit <http://www.hep.lancs.ac.uk/jobs>

We positively welcome applications from all sections of the community



The European Gravitational Observatory, a French-Italian consortium dedicated to the research on gravitational waves, operates the 3 km-long VIRGO detector, located in Pisa-Italy.

EGO is recruiting:

**Data Acquisition and Control Engineer
Interferometer Operator**

**Ref. CO/SY/03
Ref. OP/OP/02**

Job descriptions are available on: www.ego-gw.it/employment.htm



TENURE-TRACK PROFESSORIAL POSITION Experimental Elementary-Particle Physics

Cornell University

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 currently based on the CESR e+e- storage ring and the CLEO experiment. Future directions are expected to include significant involvement in the international linear collider as well as a nearer term program in a hadronic collider environment. CLEO provides a unique opportunity for high precision measurements at the D and D_s production thresholds in addition to studies of the Upsilon family and the J/Psi. 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 2005. Please send an application and at least three letters of recommendation to:

Prof. James Alexander, 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. Applications received before December 15, 2004, will receive full consideration. Electronic submissions and mail inquiries may be addressed to search@lepp.cornell.edu.

Cornell is an equal opportunity/affirmative action employer.

CERN COURIER COMPUTING NEWS

Reach key researchers, purchasers and specifiers involved in the LCG, EGEE and other prestigious computing projects worldwide by advertising in the new Computing News section of *CERN Courier*.

To discuss promotional opportunities in the November issue, contact:

Chris Thomas

Tel: +44 (0)117 930 1031

E-mail: chris.thomas@iop.org

Advertising deadline is 4 October 2004





University of Zurich

The Faculty of Science of the University of Zurich invites applications for a

Professorship in Experimental Particle or Astroparticle Physics

starting on September 1, 2006. The new professor is expected to establish and lead a successful research group at the Physik Institut, to contribute to the PhD and Masters programs in Experimental Physics and to undergraduate teaching. She or he will find a very stimulating environment in many areas of experimental and theoretical particle physics, astroparticle physics and cosmology at the University of Zurich, the ETH Zurich and at the nearby Paul Scherrer Institut. The successful applicant will be able to profit from the excellent technical infrastructure of the Physik-Institut.

Applicants are invited to submit a curriculum vitae, a publication list and a summary of their research interests by January 31, 2005 to Prof. Dr. H. Berke, Associate Dean, Dekanat der Mathematisch-naturwissenschaftlichen Fakultät der Universität Zürich, Winterthurerstrasse 190, CH-8057 Zürich, Switzerland. The application materials should also be submitted in a single Word or PDF file to jobsmnf@zuv.unizh.ch.

For more detailed information, please visit our website www.physik.unizh.ch or contact Prof. Dr. U. Straumann, Physik-Institut der Universität Zürich, Winterthurerstrasse 190, CH-8057 Zürich, Switzerland (strauman@physik.unizh.ch).



Indiana University Post Doctoral Position ATLAS Analysis on TRT



The Indiana University high energy physics group has an opening for a postdoctoral research associate to work on the ATLAS experiment. This position could begin in January, 2005. The Indiana University group has played a leading role in the construction of the Barrel TRT project for the inner detector of ATLAS. We are also actively participating in the ATLAS GRID project and prototype Tier 2 center. The goal of this position will be to participate in data analysis and assist with the installation and operation of the TRT detector. We anticipate that the first year of this position will be at Indiana University's Bloomington Campus with subsequent years at CERN.

A Ph.D. or equivalent degree in Physics is required.

Applicants should send a curriculum vitae, a description of research experience and interests, and arrange for three letters of reference to be sent, to

**H.Ogren, Department of Physics, Indiana University,
727 E. Third St., Bloomington IN 47405,**

or via e-mail to ogren@indiana.edu.

The deadline for receipt of materials is December 1, 2004, but late applications will be considered until the position is filled.

Indiana University is an Equal Opportunity/ Affirmative Action Employer.

INDEX TO DISPLAY ADVERTISERS

ACCEL Instruments	9
Advent Research Materials	16
American Magnetics	30
Amptek	34
Bruker Biospin	13
Brush Wellman (UK)	49
C.A.E.N.	76
Cheesecote Mtn Consultants	61
CPI/EiMac Division	20
Creative Electronic Systems	22
Cremat	61
Cryogenic Control Systems	56
Danfysik	10
DeMaCo Holland	53
Electron Tubes	49
Eljen Technology	34
Elsevier	2
F.u.G. Elektronik	18
Goodfellow Cambridge	50
Hamamatsu Photonics	4, 42
Harting	71
Heinzinger Electronic	12
Hitec Power Protection	29
Ideas ASA	16
Imtech Vonk	71
Institute of Physics	73
Instrumentation Technologies	34
Integrated Engineering Software	54
I-Tronics	50
Janis Research	61
MDC Vacuum	14, 15
Mega Industries	46
Metrolab Instruments	12
Microwave Amplifiers	71
Otokumpu	25

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für Theoretische Astroteilchenphysik zu besetzen. Gesucht wird eine Wissenschaftlerin / ein Wissenschaftler für das Arbeitsgebiet Theoretische Astroteilchenphysik. Eine Beteiligung am Sonderforschungsbereich Astroteilchenphysik (SFB 375) und im Gradientenkolleg 1054 „Energy of New Phenomena“ ist erwünscht. In der Lehre wird von der zukünftigen Stelleninhaberin / dem Stelleninhaber neben der Vertretung des engeren Fachgebietes die Beteiligung an den allgemeinen Lehraufgaben der Physik erwartet.

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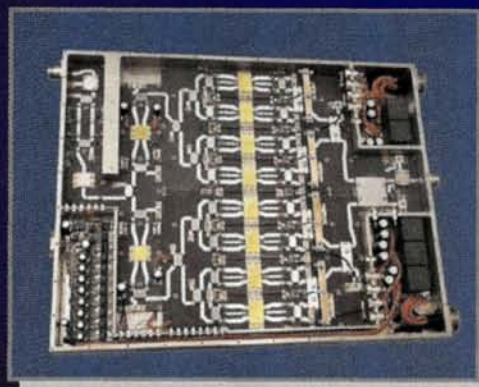
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