

RECRUITMENT

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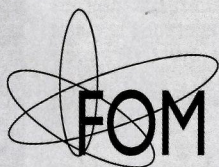
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Foundation FOM

The Foundation for Fundamental Research of Matter (FOM) stimulates and coordinates fundamental physics research in the Netherlands. For that, she is enabled by grants from the Dutch government through the Dutch Organisation for Scientific Research (NWO). FOM receives funds from NWO, Euratom, EU and several companies.

The 1000 employees approximately, mainly scientists (including Ph.D. students) and technicians, are divided over five laboratories and approximately 100 departments at general and technical universities.

FOM - founded in 1946 - is a foundation recognized by NWO.



NIKHEF is the National Institute for Nuclear Physics and High Energy Physics in the Netherlands, in which the Foundation for Fundamental Research of Matter (FOM), the Universiteit van Amsterdam (UvA), the Vrije Universiteit Amsterdam (VUA), the Katholieke Universiteit Nijmegen (KUN) and the Universiteit Utrecht (UU) collaborate. NIKHEF co-ordinates and supports all activities in experimental subatomic (high energy) physics in the Netherlands.

NIKHEF is actively involved in experiments in Switzerland/France at CERN (Delphi and L3), in the USA (D0 at FNAL, BaBar at SLAC and STAR at RHIC) and in Germany at DESY (Zeus and Hermes). NIKHEF participates in the preparation of the Atlas, LHCb and Alice experiments at the Large Hadron Collider at CERN. The Antares project, a detector to be built in the Mediterranean, represents NIKHEF's involvement in astroparticle physics. Detector R&D, design and construction of detectors and the data-analysis take place at the laboratory located in Sciencepark Amsterdam and at the participating universities. NIKHEF has a theory group with both its own research programme and close contacts with the experimental groups.

The academic staff consists of about 120 physicists of whom more than half are Ph.D. students and postdoctoral fellows. The well equipped mechanical, electronic and IT departments have a total staff of about 100. General services are provided by a support staff of about 20.

NIKHEF is searching for an outstanding

Experimental Physicist

with a strong record of accomplishments in experimental research in high energy physics.

Requirements

Candidates - with equal opportunity for women and men - will be considered for a permanent position when they have at least several years of postdoctoral experience. They should have a broad and deep knowledge of physics. Further qualifications include: creativity, competence in detection techniques, knowledge of modern information technology. The successful candidate should have excellent communication skills, ability for teamwork and leadership capability. It is assumed that the successful applicant will join one of the present experimental programmes.

Information

General information and information about the scientific and educational

activities at NIKHEF can be found at: <http://www.nikhef.nl/>. Further information can be obtained from the director, prof. dr. J.J. Engelen (telephone: +31 205925001/e-mail: engelen@nikhef.nl) or the chairman of the search committee, prof. dr. ing. J. van den Brand (telephone: +31 205922015/e-mail: jo@nikhef.nl).

Applications

Letters of application, including curriculum vitae, list of publications and the names of at least three references are to be sent before 22 November to Mr. T. van Egdom, P.O. Box 41882, 1009 DB Amsterdam, the Netherlands (or by e-mail: teusve@nikhef.nl).



PhysicsJobs @physicsweb.org

Center for Cosmological Physics at the University of Chicago

CfCP Postdoctoral Research Fellowship

The CfCP invites applications for up to two NSF Funded Research Fellowships from young scientists of exceptional ability and promise who will have received a PhD. in Physics, Astrophysics or related fields by September 2004. The appointees are expected to conduct original research in experimental or theoretical cosmology in an interdisciplinary environment. Initial appointments are for one year, renewal annually, for up to three years. Positions have competitive salaries and carry faculty level benefits. Center Postdocs have the freedom to work on any of the efforts in our Center.

Research at the Center for Cosmological Physics (CfCP), 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'dovic 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 CfCP also has active visitors, symposia, and education/outreach programs. Information about the CfCP can be found at <http://cfcp.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@cfcp.uchicago.edu or to Bruce Winstein, Director, Center for Cosmological Physics, Enrico Fermi Institute, 5640 S. Ellis Avenue, Chicago, IL 60637. All qualified applications received for this position will be considered automatically for the DOE Funded Postdoctoral position in theoretical cosmology at the Enrico Fermi Institute unless applicant declines consideration. (For details see: <http://background.uchicago.edu/~whu/postdoc.html>)

The application deadline is December 1, 2003 for positions that will begin in the Summer or Fall of 2004.

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

FACULTY POSITION IN EXPERIMENTAL NUCLEAR PHYSICS

INDIANA UNIVERSITY

The Physics Department at Indiana University seeks outstanding candidates for a tenure-track assistant professor position in experimental nuclear physics to start in Fall 2004. We are searching for strong applicants with the potential to become intellectual leaders in any subfield of nuclear physics or its intersections with astrophysics and/or particle physics. An ability to teach physics effectively in the classroom and through supervision of research at both the undergraduate and graduate levels is essential. IU physicists play leadership roles in high energy spin physics at BNL, neutrino physics at FNAL, fundamental neutron physics at NIST/LANL/ORNL, and hadron spectroscopy at TJNAF. The collective technical resources, infrastructure, and support staff in the Physics Department and at the associated Indiana University Cyclotron Facility (IUCF) allow IU physicists to develop experimental apparatus on a scale normally possible only at national labs. Detailed information on current projects can be found at <http://www.physics.indiana.edu> and <http://www.iucf.indiana.edu>. We especially welcome applications from women and minority candidates. Please mail a CV, publication list, and research plan and arrange for a minimum of three letters of recommendation to be sent to:

**Faculty Search Committee, c/o Prof. W. M. Snow, Dept. of Physics,
Indiana University, Swain Hall West 117, Bloomington IN, 47405-7105**

Applications received by December 1, 2003, will receive priority.

Indiana University is an Affirmative Action/Equal Opportunity Employer.

PENNSTATE



Position in LIGO Gravitational Wave Data Analysis and Grid Computing

The Penn State Center for Gravitational Wave Physics (CGWP) has funding for positions at the postdoctoral scholar level or higher to take part in the analysis and interpretation of observations from the Laser Interferometer Gravitational Wave Observatory (LIGO). At least three years of funding is available for each position.

LIGO has critical production requirements to process 300 TBytes of data per year of fundamental and pressing scientific importance. This is one of the earliest and most intensive tests to date of grid computing concepts using real-world geographically dispersed, heterogeneous, high performance data processing resources with different local management and technical histories. Working in this environment will provide invaluable experience in the realities of grid computing, an extraordinary opportunity to influence the future of grids and computing in general, and participation at the birth of the exciting new field of observational gravitational wave physics.

The Penn State LIGO Scientific Collaboration (LSC) group is part of the LIGO Global Grid Virtual Organization, contributing local resources of 312 processors and 34 TB storage (approximately 1/4 of the total aggregate resources). The LIGO VO is part of the larger International Virtual Data Grid Laboratory (iVDGL), which is pioneering the application of Grid-paradigm computing for large, forefront experiments in physics and astronomy. The iVDGL includes computing, storage and network resources in the U.S., Europe, Asia and South America.

The Penn State LIGO Scientific Collaboration (LSC) group is among the largest and most active in the Collaboration with two faculty, five postdocs and technical staff members, five graduate students, and five undergraduate students. It plays a leading role in the analysis and interpretation of LIGO data, including analysis in collaboration with other gravitational wave detector experiments worldwide. It is part of the larger Penn State relativity group, which is among the largest and most active in the country with six faculty, sixteen postdocs, eighteen graduate students, and twelve undergraduate students engaged in research in all areas of gravity.

Penn State is also home to the Center for Gravitational Wave Physics (CGWP), funded by the National Science Foundation as part of its Physics Frontier Centers program. The mission of the CGWP is to foster research of a truly interdisciplinary character linking the highest caliber astrophysics, gravitational wave physics and experimental gravitational wave detection in the pursuit of the scientific understanding of gravity and the development of gravitational wave observations as a tool of observational astronomy. Each year the CGWP hosts at Penn State several major workshops and conferences addressing all areas of gravitational wave physics and astrophysics.

Academic background in physics with Ph.D. in hand and a strong interest in computing will be preferred for these positions. Applicants with a computer science background and demonstrated experience in computing for large scale experimental physics will also be favorably considered and do not require a PhD. Applicants should send a CV, statement of research interests and relevant experience, and arrange for three letters of recommendation to be sent to:

**LIGO Staff Search
Center for Gravitational Wave Physics
104 Davey Laboratory, PMB 89
University Park, PA 16802.
USA**

Applications will be considered beginning immediately and will continue until the available position is filled. For more information see our websites at:

<http://gravity.psu.edu>
and
<http://ligo.aset.psu.edu>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

The Fermi National Accelerator Laboratory (Fermilab) invites applications for:

LEDERMAN FELLOWSHIP
— **EXPERIMENTAL PARTICLE PHYSICS** —

Applicants should have demonstrated outstanding ability in research and, in recognition of Leon Lederman's commitment to the teaching of physics at all levels, experience and interest in physics outreach. The successful candidate will have a choice among experiments, which include Tevatron collider experiments, neutrino experiments, other fixed target experiments and non-accelerator projects (dark matter search, cosmic ray observatory), or research on accelerators. See <http://www.fnal.gov/> for more information.

Candidates should have obtained a Ph.D. in particle or accelerator physics since Jan 1st 2002. The appointment is normally for three years with an extension possible. Applicants should send a letter including their research and outreach experience and interests, a curriculum vita, publication list and the names of at least four references. One reference should specifically address the outreach experience. **The deadline for applications is December 6th 2003.** To apply write to **Dr. Michael Albrow – Experimental Physics Projects Department Head, Fermi National Accelerator Laboratory, MS 122, P. O. Box 500, Batavia, IL 60510-0500. (albrow@fnal.gov) EOE M/F/D/V**



**GRID COORDINATOR/
TECHNOLOGY ARCHITECT**

Brookhaven National Laboratory (BNL) has an exceptional opportunity for a computer scientist with hands-on GRID experience. Requirements include an advanced degree in information technology, physics, or closely related field and ten years' experience addressing large-scale scientific computing problems. Experience must include work with large geographically distributed collaborations and computing resources, petabyte scale data sets, and hands-on experience with Globus-based computing Grid technology. Excellent communication skills and evidence of management and leadership skills are also required. Familiarity and experience with ongoing DOE and NSF Grid projects would be of great value. BNL is actively participating in Grid projects involving ATLAS and the RHIC experiments. The successful candidate will participate in existing Grid projects, coordinate Grid efforts at BNL and actively pursue new Grid initiatives.

For consideration, please forward your resume, referring to Position #NS3169, and three letters of recommendation to: Nancy L. Sobrito, Brookhaven National Laboratory, Bldg. 185-HR, Upton, NY 11973, USA; email Sobrito@bnl.gov; fax 631-344-7170.

BNL is an equal opportunity employer committed to workforce diversity.

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A passion for discovery.

www.bnl.gov



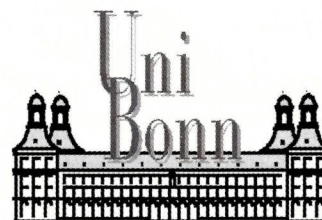
**APPLIED PHYSICIST
FOR X-RAY DETECTOR DEVELOPMENT**

Praesepe is a Netherlands-based company which specialises in data analysis and instrumentation for X-ray and gamma-ray astronomy (see www.praesepe.com). We currently have a vacancy for an Applied Physicist to provide support to the laboratory research programme of the Advanced Concepts and Science Payloads Office of the European Space Agency (ESA). The work will be based in the ESTEC laboratory of ESA in Noordwijk, The Netherlands.

The ideal candidate would offer experience in the areas of solid state detector development and operation, together with a knowledge of general techniques in X-ray and gamma-ray radiation analysis. The candidate should be able to plan and execute measurement campaigns with a minimum of supervision. The ability to analyse data in support of device physics interpretation is important. Familiarity with cryogenic equipment, computer interfaces to experiments, radioactive source handling and measurement campaigns and national accelerator facilities would be valuable. Some experience in the analysis of data from either ground or satellite-based astronomical observations would be an advantage.

**Applications with CV to
Praesepe B.V., Lorentzplein 7, 2012 HG
Haarlem, The Netherlands.**

**Preferably by email (info@praesepe.com)
or by FAX +31-23-5510910.**



Rheinische Friedrich-Wilhelms-Universität Bonn

The faculty of mathematics and natural sciences of
Bonn University invites applications for a

**Chair in Experimental Physics (C 4)
(succession E. Klempf)**

at the Helmholtz-Institut für Strahlen- und Kernphysik. We look for a renowned scientist with experience in experiments to investigate the structure and dynamics of hadrons as strongly interacting many-body systems. Active participation in the presently applied for Transregio/SFG „Subnuclear structure of matter" and in teaching as well as administration is expected.

Appointments follow the rules and regulations of the Universities in Northrhine-Westfalia. The University of Bonn aims at increasing the fraction of female staff and encourages women to apply. Disabled candidates will, with equal qualifications, be appointed preferentially.

Applications are to be sent by 31. Dec. 2003 (arrival) to the

**Chairman of the Dept. of Physics/Astronomy
Endenicher Allee 11-13
D-53115 Bonn, Germany**

EDITORIAL POSITION, PHYSICAL REVIEW LETTERS



AN ALTERNATIVE SCIENCE CAREER

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

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

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

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

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



DEPARTMENT OF PHYSICS AND ASTRONOMY

Lectureship in Experimental Particle Physics

£22,191 – £33,679 (under review)

You will pursue an active research programme in the Experimental Particle Physics group as part of the ATLAS project with involvement in both detector construction and scientific exploitation.

You will also work in the area of semiconductor detector development. You should be able to teach undergraduate physics at all levels and postgraduate particle physics. Informal enquiries can be made to Professor David Saxon +44 (0)141 330 4673 or email: d.saxon@physics.gla.ac.uk

For an application pack, please see our website or write quoting Ref: 10188/L/A1 to the Recruitment Section, Human Resources Department, University of Glasgow, Glasgow G12 8QQ.

Closing date: 28 November 2003.

The University is committed to equality of opportunity in employment.

www.gla.ac.uk

Research Associate Position in BaBar

The experimental BaBar group at
UNIVERSITÉ DE MONTRÉAL

has an open research associate position. The position offers unprecedented scope for investigating many aspects of B physics with the increasingly large data samples becoming available. The initial appointment will be for two years, with possibility of renewal. Applicants must have a recent Ph.D. in elementary particle physics, a background of demonstrated excellence in research and be familiar with object-oriented programming. The successful candidate will be based at SLAC. He/she is expected to take a leading role in our ongoing effort in BaBar. In particular, he/she will work actively with our students on their analyses. Interested candidates should send a curriculum vitae, highlighting personal contributions, and arrange to have three letters of recommendation sent to:

**Prof. Paul Taras, Laboratoire Rene J. A. Levesque,
Université de Montréal, C. P. 6128, Succ. Centre-Ville,
Montréal, Québec H3C 3J7, Canada.**

E-mail enquiries can be directed to taras@lps.umontreal.ca.

Closing date for the receipt of applications is December 31st, 2003.



Postdoctoral Positions in LIGO Data Analysis

The Penn State Center for Gravitational Wave Physics (CGWP) has funding for several postdoctoral scholar positions to take part in the analysis and interpretation of observations from the Laser Interferometer Gravitational Wave Observatory (LIGO).

The Penn State LIGO Scientific Collaboration (LSC) group is among the largest and most active in the Collaboration with two faculty, five postdocs or staff positions, five graduate students, and five undergraduate students. It plays a leading role in the analysis and interpretation of LIGO data, including analysis in collaboration with other gravitational wave detector experiments worldwide. It hosts an International Virtual Data Grid Laboratory (iVDGL) University Regional Center for grid computing, whose primary focus is data analysis for LIGO. It is part of the larger Penn State relativity group, which is among the largest and most active in the country with six faculty, sixteen postdocs, eighteen graduate students, and twelve undergraduate students engaged in research in all areas of gravity.

Penn State is also home to the Center for Gravitational Wave Physics (CGWP), funded by the National Science Foundation as part of its Physics Frontier Centers program. The mission of the CGWP is to foster research of a truly interdisciplinary character linking the highest caliber astrophysics, gravitational wave physics and experimental gravitational wave detection in the pursuit of the scientific understanding of gravity and the development of gravitational wave observations as a tool of observational astronomy. Each year the CGWP hosts at Penn State several major workshops and conferences addressing all areas of gravitational wave physics and astrophysics.

Working in this environment will provide an extraordinary opportunity to participate in the birth of the exciting new field of observational gravitational wave physics.

Academic background in physics with a strong interest in computing and data analysis preferred for these positions. Applicants with Ph.D. in hand should send a CV, statement of research interests and relevant experience, and arrange for three letters of recommendation to be sent to:

**LIGO Postdoc Search
Center for Gravitational Wave Physics
104 Davey Laboratory, PMB 89
University Park, PA 16802.
USA**

Applications will be considered beginning 1 December 2003 and will continue until all available positions are filled. For more information see our websites at:

<http://gravity.psu.edu>
and
<http://ligo.asst.psu.edu>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

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UCR
UNIVERSITY OF CALIFORNIA, RIVERSIDE

POSTDOCTORAL POSITION ON CMS

Research associate position to work on CMS tracking software, based at U.C. Riverside.

Studies for CMS Physics TDR; serve as leader and resource for others in U.S.

Frequent trips to CERN and U.S. locations.

HEP analysis and software experience needed. Ph.D. degree in HEP required.

Send applications, including vitae, publication list, and three reference letters, to:

**Professor Gail Hanson, Physics Department, University of California,
Riverside, CA 92521-0413, U.S.A.**

or e-mail Gail.Hanson@ucr.edu or Gail.Hanson@cern.ch.

Position will be filled when appropriate candidate is identified.

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

ADVERTISING OPENINGS IN A RESEARCH TRAINING NETWORK SPONSORED BY THE EUROPEAN COMMUNITY:

Probe for New Physics, a four-year Research Training Network (RTN), sponsored by the European Community, started on September 1st 2002. The RTN is offering several two-year postdoctoral positions and a few pre-doctoral positions. Six positions are currently opened.

The main focus of this network is on: "The Third Generation as a Probe for New Physics: Experimental and Technological Approach". Its scope covers the legacy from LEP experiments, the run II of CDF at the Tevatron, the ongoing preparation of ATLAS and CMS experiments at the LHC, the studies for a future Linear Collider detector. It involves related phenomenological, experimental and technological studies.

The following Institutes are participating to the network, also indicated are the scientists in charge:

LPNHE-Université Pierre et Marie Curie/IN2P3-CNRS [A. Savoy-Navarro, network coordinator, F], **LAL-Orsay/IN2P3-CNRS** [P. Roudeau, F], **Karlsruhe University/IEKP** [T. Müller, D], **University of Athens/IASA and Demokritos NCSR** [N. Giokaris, G], **University of Padova** [G. Busetto, I], **University of Pisa/INFN, Pisa Scuola Normale Superiore and University of Cassino** [A. Menzione, I], **University of Roma "La Sapienza"** [L. Zanello, I], **Barcelona Autònoma University/IFAE** [M. Cavalli-Sforza, E], **IFIC-Valencia: University of Valencia/CSIC and CNM-IMB/CSIC** [J. Fuster, E], **IFCA-University of Cantabria and CSIC** [A. Ruiz, E], **University of Helsinki** [R. Orava, Fin], **Comenius University in Bratislava** [S. Tokar, SK], **Charles University of Prague** [M. Suk, CZ], **Weizmann Institute of Science in Rehovot and Technion Institute in Haifa** [Y. Nir, I].

The applicant should comply with the following EC rules:

- 1) Age: Be under 36
- 2) Nationality: Be nationals of an EU Member State or Associated State or have resided in a EU Member State for at least five years immediately prior to the appointment by a participant in the frame of the network contract.
- 3) International Mobility: Not be a national of the state in which the institution to be applied to is located and not to have carried out their normal activities in that state for more than 12 months prior to their appointment.

For further information please contact:

aurore@lphhep.in2p3.fr or **aurore.savoy@cern.ch** or **aurore@fnal.gov**
and visit the network Web site: <http://lphhe-lc.in2p3.fr/rtn>

The open positions are at: Helsinki U., Karlsruhe IEKP, Charles U./Prague, Paris-LPNHE, Pisa/INFN & Scuola Normale, Santander/Cantabria U., for postdoc positions and a few pre-doctoral positions.

These positions typically provide high visibility, both in large international collaborations and within the network.



UNIVERSITY COLLEGE LONDON

Department of Physics and Astronomy

Physicist/Software Engineer

The High Energy Physics group of the UCL Department of Physics & Astronomy has a challenging opportunity in physics software development for the ATLAS experiment, which is scheduled to start taking data at the CERN Large Hadron Collider in 2007. UCL is a major contributor to the software programme of ATLAS. Our activities include the development of both physics applications (jet clustering, LVL2 tracking) and core software (Quality Control, Simulation, Graphics).

The successful candidate will have (or expect soon) a Ph.D. in Particle Physics, or a B.Sc. (or equivalent) in Computer Science with experience in large scale software development. Good understanding of OO programming techniques is desirable, as is knowledge of one or more of C++, Java, Python and web tools. (S)he will join a small, active group of software and physics experts, which itself is imbedded in a large physics research environment, and will participate in all phases of new projects as well as in upgrades of the existing software for which UCL is responsible. A physicist will also be expected to lead physics studies as part of preparations for data taking.

The starting salary, depending on qualifications and experience, will be in the range £20,311 - £25,451 (pay award pending) plus £2,134 pa London Allowance. The appointment will be for up to three years.

Applications (including a CV, statement of interests and the names of two referees) should be sent to Ms. C. Johnston, Department of Physics & Astronomy, UCL, Gower Street, London WC1E 6BT, UK. Further information about the UCL HEP group can be found on <http://www.hep.ucl.ac.uk/>. Informal enquiries can be made to Dr. Nikos Konstantinidis (n.konstantinidis@ucl.ac.uk).

We particularly welcome women and black and minority applicants as they are under represented at this level within University College London (Section 48 of the Sex Discrimination Act 1975/Section 38 of the Race Relations Act 1976 apply).

The closing date for applications is **Monday, 1st December 2003**.

UCIrvine

University of California, Irvine

Postdoctoral Position

Neutrino and Neutrino-Oscillation Physics

The University of California, Irvine invites applications for one or more Postdoctoral Scholar positions in neutrino and neutrino-oscillation physics. Our group is heavily involved in the continuing Super-Kamiokande and K2K experiments in Japan. We are also participating in the JPARCnu long-baseline oscillation experiment to search for θ_{13} and leptonic CP violation and a proposed high-statistics measurement of exclusive neutrino cross-sections with the MINERvA experiment at Fermilab. The successful candidate(s) will join in analysis of our on-going experiments and take a major role in the design and realization of the new ones. Positions could begin as early as January 1, 2004, if a suitable candidate is identified, at a starting salary of \$35,304 - \$46,056. A Ph.D. (or equivalent degree) in high-energy particle physics is required. Candidates with experience in neutrino detection/data analysis or neutrino interaction/oscillation phenomenology, and meeting the highest standards of character and professional integrity, are particularly encouraged to apply.

Interested candidates should provide a curriculum vita and arrange to have three letters of recommendation sent by January 31, 2004 to

Professor D. Casper, Department of Physics and Astronomy,
4129 Frederick Reines Hall, University of California,
Irvine CA 92697-4575,
dcasper@uci.edu (949) 824-6946.

*The University of California, Irvine is an equal opportunity employer
committed to excellence through diversity.*

FACULTY POSITION IN ACCELERATOR PHYSICS

The Department of Physics at the University of California, Riverside, invites highly qualified applicants to apply for a new faculty position in accelerator physics. This position may be filled at either the assistant professor or tenured associate professor level. The appointment will be effective July 1, 2004.

The Department is seeking outstanding candidates with exceptional research records and demonstrated excellence in teaching. The successful candidate is expected to establish a leading edge research program involving graduate students in what will be a new area in the Department and contribute to Department teaching at all levels. The Department currently carries out research in experimental and theoretical condensed matter physics, astrophysics, and high-energy physics.

Candidates for this position are required to have a Ph.D. or equivalent degree in physics. Salary will be competitive and commensurate with qualifications and level of appointment. Candidates should submit a letter of application, curriculum vitae, list of publications, evidence of teaching skills, and evidence of an outstanding research program. Candidates should also provide evidence of leadership and initiative since accelerator physics will be a new area in the Department. They should arrange to have three letters of reference sent to the Department and be willing to submit additional references on request. Letters should be sent to:

Chair, Accelerator Physics Search Committee
Department of Physics
University of California, Riverside
Riverside, CA 92521-0413
U.S.A.

Full review of applications will begin January 1, 2004.

The position will remain open until filled.



UCR

UNIVERSITY OF CALIFORNIA, RIVERSIDE

The University of California is an Equal Opportunity/Affirmative Action Employer



Director of the Indiana University Cyclotron Facility



Applications are invited for the directorship of the Indiana University Cyclotron Facility (IUCF). We seek a distinguished scientist with experience in accelerator-based research to provide scientific leadership for the laboratory and its programs, to manage its diverse mission, and to guide its future development. IUCF's local accelerators provide beams for cancer treatment at the Midwest Proton Radiotherapy Institute, for science and instrumentation development at the Low-Energy Neutron Source presently under construction, and for studies of radiation effects on materials. Its infrastructure supports a vigorous, nationally ranked program of basic nuclear and accelerator science research carried out at other laboratories, often involving major hardware construction. Current emphases of the nuclear science program are: high-energy spin physics, fundamental neutron physics, neutrino oscillations and interactions, and nuclear reaction studies.

More details on the lab activities can be found at
<http://www.iucf.indiana.edu>.

The director will serve a five-year term starting in the summer of 2004 and will receive a tenured full professorship in the College of Arts and Sciences. Salary will be commensurate with experience and qualifications. Applications with a complete resume, including the names of four references and nominations should be sent as soon as possible, but no later than Jan 1, 2004, to

Professor J.A. Musser,
Chairman, Search and Screen Committee,
Office of the Vice President for Research,
Bryan Hall 104,
Indiana University, Bloomington, Indiana, 47405.



Indiana University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minority candidates.



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PENNSTATE



Postdoctoral Positions in Gravitational Wave Phenomenology

The Penn State Center for Gravitational Wave Physics expects to make several postdoctoral appointments with a start date of September 2004.

Research at the Center focuses on interdisciplinary problems at the interface of astrophysics, gravitational waves, and general relativity. The core members of the Center include Abhay Ashtekar, Bernd Bruegman, Sam Finn, Pablo Laguna, Peter Meszaros, Ben Owen, Deirdre Shoemaker, Steinn Sigurdsson and Alex Wolszczan, all of whom lead strong research programs in the critical areas from which gravitational wave phenomenology is emerging. The Center for Gravitational Wave Physics has an international visitor program and hosts frequent workshops focused on critical gravitational wave phenomenology problems.

Other leading research areas in the gravitational physics program at Penn State include quantum gravity, mathematical general relativity, relativistic astrophysics and radio astronomy. The Penn State Physics and Astronomy and Astrophysics departments have world-class expertise in several related areas: astro-particle physics (Pierre Auger Observatory), gamma raybursts (SWIFT), X-ray astronomy (Chandra observatory) and theoretical and observational cosmology. The Penn State LIGO Scientific Collaboration (LSC) group is among the largest and most active in the Collaboration and plays a leading role in the analysis and interpretation of LIGO data, including analysis in collaboration with other gravitational wave detector experiments worldwide. It hosts a regional center for grid computing, whose primary focus is data analysis for LIGO. The Penn State relativity group, which is among the largest and most active in the country, includes six faculty, sixteen postdocs, eighteen graduate students, and twelve undergraduate students engaged in research in all areas of gravity.

Applicants with Ph.D. in hand should send a CV, statement of research interests and relevant experience, and arrange for three letters of recommendation to be sent to:

Gravitational Wave Phenomenology Postdoc Search
Center for Gravitational Wave Physics
104 Davey Laboratory, PMB 89
University Park, PA 16802.
USA

Applications will be considered beginning
1 December 2003 and will continue until all available positions are filled. For more information see our websites at:

<http://gravity.psu.edu> and
<http://ligo.aset.psu.edu>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Experimental Research Associates

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

Post-doctoral Research Associate positions are currently available at the PEP II Asymmetric B Factory with research opportunities in the BaBar Physics program. Interested candidates should have a strong interest in exploring B Physics with the BaBar detector utilizing 100 fb⁻¹ + data set and preparations for improvements to the detector.

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

Applicants should send a letter stating their physics research interests along with a CV and three references to Jan Louisell, via email at janl@slac.stanford.edu or by mail to: SLAC Research Division, 2575 Sand Hill Road, M/S 75, Menlo Park, CA 94025.

Equal opportunity through affirmative action.



ASSOCIATE SCIENTIST BEAMS DIVISION

Fermi National Accelerator Laboratory currently seeks an Associate Scientist to join the Beams Division in either the Tevatron or Recycler systems departments contributing to machine operation, improvements, and diagnostics. Duties will include writing application programs in C, some shift work during machine commissioning periods, performing beam studies, coupled with advanced accelerator calculations, aimed at improving machine performance and versatility. This position will require accessing beam enclosures and working in radiation and ODH areas.

The Associate Scientist position carries an initial three-year appointment with a possible extension and consideration for a regular position on the Fermilab scientific staff. Qualified candidates will possess a Ph.D. in Physics with a minimum of three years of relevant postdoctoral work and prior experience in experimental beam physics. Excellent communication skills and leadership potential are also required. Exact title and level will depend on the qualifications of the selected candidate.

Qualified applicants should submit a curriculum vitae, publication list, and the names of at least three references to: **Roger L. Dixon, Head, Beams Division, Fermilab, MS 306, P.O. Box 500, Batavia, IL 60510, USA.**



Fermilab

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CERN COURIER RECRUITMENT BOOKING DEADLINE

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Contact

Reena Gupta

Tel: +44 (0)117 930 1028

Fax: +44 (0)117 930 1178

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Kansas State University

Associate/Assistant Professor Position Experimental High Energy Physics

The Department of Physics at Kansas State University invites applications for a faculty position at the Associate or Assistant Professor level in Experimental High Energy Physics. Candidates must have a Ph.D. in Experimental High Energy Physics and demonstrate significant research accomplishments in this field, and will be expected to enhance a program in collider physics with the DO and CMS detectors, and which is engaged in new initiatives in linear collider and neutrino physics. A new associate professor will be expected to build up his or her own task in the HEP group and should be experienced in the research funding process. Our department is committed to excellence in teaching at all levels, and candidates must demonstrate the ability to teach effectively.

Screening of applications will begin on December 1, 2003 and continue until the position is filled. Interested persons should submit a CV, publication list, and a statement of research and teaching interests, and arrange for at least three letters of recommendation to be sent to

**HEP Search Committee,
Department of Physics,
Kansas State University, Manhattan, KS 66506-2601.
E-mail: peggy@phys.ksu.edu**

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

_____ **LMU**
Ludwig-
Maximilians-
Universität
München

Ludwig-Maximilians-Universität München

An der Sektion Physik der Ludwig-Maximilians-Universität München ist zum 1. 2. 2004 eine C1-Stelle einer/eines

Wissenschaftlichen Assistentin/Assistenten

mit Arbeitsgebiet experimentelle Elementarteilchenphysik zu besetzen.

Der/die StelleninhaberIn soll eine tragende Rolle im ATLAS Experiment am LHC übernehmen, insbesondere bei der Inbetriebnahme und Kalibration von Präzisionskammern des ATLAS Myonspektrometers und bei der Vorbereitung der Physikanalyse.

Einstellungsvoraussetzung ist ein abgeschlossenes Hochschulstudium der Physik mit überdurchschnittlicher Promotion. Qualifizierte Wissenschaftlerinnen sind besonders aufgefordert, sich zu bewerben. Schwerbehinderte werden bei gleicher Eignung bevorzugt. Anfragen für weitere Informationen und Bewerbungen mit den üblichen Unterlagen (Lebenslauf, Zeugnisse und Schriftenverzeichnis) bis zum 1.12.2003 an Prof. Dr. Dorothee Schaile, LMU München, Sektion Physik, Am Coulombwall 1, 85748 Garching (Dorothee.Schaile@LMU.de)

PhysicsJobs @physicsweb.org

Yale University

Faculty Position in Astrophysics

The Department of Physics invites applications for a *faculty position in experimental/observational cosmology or extragalactic astrophysics*. The successful candidate's research program should enhance current research at Yale, which includes high-energy astrophysics, cosmology, gravitational lensing, nuclear astrophysics, and the interface of particle physics and astrophysics. This position is intended at the assistant professor level, although a more senior appointment may be possible in exceptional circumstances. Yale offers a lively scientific environment; a pleasant location convenient to New York City and Boston; competitive salary, benefits, and research funds; and access to front-line astronomical facilities, including the WIYN telescope, the SMARTS telescopes, major telescopes in Chile (through collaboration with the Univ. de Chile), and the Palomar-QUEST survey. Candidates should have an aptitude for teaching as well as research.

Applicants should send their curriculum vitae, bibliography, and brief description of future research program to

Prof. Charles Baltay,
Chair of the Search Committee,
Department of Physics, Yale University,
New Haven, CT 06520-8121,

and should arrange for at least 3 letters of recommendation.

Applications that are complete by
Dec 1, 2003, will be assured of full consideration.

Yale is an Affirmative Action/Equal Opportunity Employer, and applications from women and minorities are strongly encouraged.



UNIVERSITY OF FLORIDA

EXPERIMENTAL PARTICLE ASTROPHYSICS FACULTY POSITION

The Department of Physics, University of Florida, invites applications for a tenure-track Assistant or Associate Professor in the field of Experimental Particle Astrophysics.

The successful candidate will play a leadership role in a new experimental research effort, joining an active faculty housed in a new physics building with extensive laboratory space and computer facilities. Specific examples of research programs of interest include high-energy cosmic rays, cosmic microwave background observations, non-accelerator based neutrino studies, gamma ray astronomy, dark matter searches, and gravitational wave detection. Further faculty hires in the field are anticipated. Candidates are expected to have a PhD degree, or equivalent, and postdoctoral experience, and to be able to teach physics effectively at all levels. Applicants should submit a CV, publication list, and a statement of research interests and plans, and should arrange to have at least three letters of recommendation sent. All correspondence should be sent to:

Chair, EPA Search Committee, c/o Mrs. Y. Dixon,
Department of Physics, PO Box 118440,
University of Florida,
Gainesville, FL 32611-8440.

To ensure full consideration, all application materials must be received by January 1, 2004.

Women and underrepresented minorities are strongly encouraged to apply. The University of Florida is an Affirmative Action/Equal Opportunity Employer.

For further details on this position, please see:
<http://www.phys.ufl.edu/departments/jobs/epasearch.html>



ACCELERATOR PHYSICIST, BEAMLINE SCIENTIST, RESEARCH ASSOCIATE and CONTROL SYSTEMS ENGINEER

Singapore Synchrotron Light
Source

The Singapore Synchrotron Light Source (SSLS), National University of Singapore (NUS), invites applications for various positions of **Accelerator Physicist, Beamline Scientist, Research Associate and Control Systems Engineer**.

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

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E-mail Ed Jost: edward.jost@iop.org

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