

RECRUITMENT

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MICHIGAN STATE UNIVERSITY

ACCELERATOR PHYSICIST POSITIONS

The NSCL at Michigan State University is seeking a highly qualified accelerator physicist to join the Accelerator R&D group. The applicant should have a strong background in accelerator beam dynamics and a proven trajectory in developing large computer codes for linear accelerators and cyclotrons.

The NSCL is presently operating two superconducting cyclotrons and is embarked on the design of a linear accelerator. The successful applicant will develop new codes and maintain the extensive library of codes now in use.

Depending on the successful applicant's qualifications, appointments will be made at any of three ranks in the NSCL Continuing Appointment System that approximately parallels the university tenure stream faculty system (see CA Handbook at <http://www.msu.edu/unit/facrecds/policy/nscl01.htm>). Interested individuals should send a CV and arrange for three letters of reference to be sent directly to

Ms. M. Chris Townsend, Laboratory Administrator,
National Superconducting Cyclotron Laboratory, Michigan State University,
164 S. Shaw Lane, East Lansing, MI 48824-1321,
townsend@nscl.msu.edu.

For more information, see our website at <http://www.nsl.msu.edu>.

MSU is an equal opportunity / affirmative action institution.

THE INSTITUT DE PHYSIQUE OF THE UNIVERSITY OF NEUCHÂTEL (SWITZERLAND) has an OPEN POSTDOCTORAL POSITION IN PARTICLE PHYSICS.

The appointment is for one year, with possible extensions for up to four years.

A PhD in physics or an equivalent title is required.

The main task is to participate in the long baseline OPERA experiment, more precisely to make preparations for the analysis of emulsions in Neuchâtel, and to help build and test the target tracker. In parallel the successful applicant will have the opportunity to contribute to an effort to develop new techniques for time projection chambers, to achieve larger sizes and lower background levels. This is in view of a future experiment in low energy neutrino physics, to search for double beta decay, or to investigate low energy solar neutrinos.

Jean-Luc Vuilleumier,
Institut de physique, A.-L. Breguet 1,
CH-2000 Neuchâtel, Switzerland
Email: jean-luc.vuilleumier@unine.ch
Phone: +41 32 718 2906 Fax: +41 32 718 2901



Université de Neuchâtel



DEUTSCHES ELEKTRONEN SYNCHROTRON DESY

DESY is one of the leading laboratories in particle physics and synchrotron radiation research. For its location in Zeuthen near Berlin DESY is offering a

POSTDOCTORAL RESEARCH POSITION

to young scientists to participate in data taking and data analysis of the AMANDA neutrino telescope at the geographic South Pole. The accepted candidate is also expected to contribute to the preparation and construction of the next generation cubic kilometer detector, Icecube. The candidate should participate in operations at the South Pole, which are performed between November and February.

Applicants should have a PhD in physics. They should have worked in high energy physics or astroparticle experiments and should be able to cooperate within an engaged research team.

The position is limited to a duration of 2 years with a possible extension for a third year. The salary will be according to the German civil services BAT-O IIa.

DESY encourages especially women to apply.

Interested young scientists send their letter of application and three names of referees and their addresses by November, 15th, 2001 to:

DESY Zeuthen, Personalabteilung
Platanenallee 6, 15738 Zeuthen, Germany



THE UNIVERSITY of LIVERPOOL

SENIOR/PRINCIPAL EXPERIMENTAL OFFICER IN PARTICLE PHYSICS

Department of Physics

Initial salary within the range £20,267 - £32,215 pa

Working within the Liverpool Particle Physics Group, you will contribute to a research area in the current research program which includes ATLAS and LHCb at CERN, H1 at DESY, BaBar at SLAC and CDF at Fermilab.

You will possess a PhD in Experimental Particle Physics and have several years' postdoctoral experience. The post is funded by PPARC and will be for a period of three years initially.

You will be expected to spend time at the overseas laboratories as appropriate. Informal enquiries to Professor P Booth on +44 151 794 3363, email: booth@hep.ph.liv.ac.uk or Professor J Dainton on +44 151 794 3374, email: jbd@hep.ph.liv.ac.uk

Quote Ref: B/672/CC

Closing Date: 15 November 2001



Further particulars and details of the application procedure should be requested from the Director of Personnel, The University of Liverpool, Liverpool L69 3BX on +44 151 794 2210 (24 hr answerphone) or via email: jobs@liv.ac.uk Web site at <http://www.liv.ac.uk>

COMMITTED TO EQUAL OPPORTUNITIES

Dean of Computer and Communication Sciences

at the Swiss Federal Institute of Technology Lausanne (EPFL)



The EPFL is a growing, dynamic, well-funded university developing research programs in engineering, basic and life sciences. In the context of a campus-wide reorganization its current departments of Computer Science and Communication Systems will be merged into "Computer and Communication Sciences". This field has a high priority within EPFL and it is expanding substantially its student body, faculty and research funding. A National Competence Center of Research, funded by the Swiss National Science Foundation, is being created in the field of mobile communications and information systems with EPFL as a leading house.



To lead the new combined faculty, EPFL invites applications for the position of the "Dean of Computer and Communication Sciences". The ideal candidate has an outstanding academic record and a strong vision for research, teaching and industrial developments in the field.

Applications including CV, publication list, addresses for references, and a vision statement should be sent as soon as possible, but not later than Jan. 10, 2002 to the address below:

Prof. Martin Hasler
Chairman of the Search Committee
Department of Communication Systems
Swiss Federal Institute of Technology
CH-1015 Lausanne, Switzerland
Phone +41.21.693.26.22
e-mail: martin.hasler@epfl.ch

More information on EPFL, the two departments and the National Competence Center of Research can be found at <http://www.epfl.ch>, <http://diwww.epfl.ch>, <http://dscwww.epfl.ch> and <http://www.terminodes.org>, respectively.



FACULTY POSITIONS IN DEPARTMENT OF PHYSICS

UNIVERSITY OF CALIFORNIA, SAN DIEGO

The Department of Physics at the University of California, San Diego, is beginning a substantial increase of its faculty as part of the growth of the entire campus. The department is presently large and broad-based and will add eight faculty appointments at the tenure-track assistant professor level during the next three years.

Outstanding applicants at the associate or full professor level will also be considered in exceptional cases. Recruitment is occurring in a variety of fields of physics, including experimental particle physics where an appointment effective as early as July 1, 2002 is possible. The present effort in particle physics experiment includes a major involvement in the BABAR experiment at SLAC and the CMS experiment at CERN. Applicants should have a Ph.D. in physics and a clear record of research accomplishments. In addition, they should have a strong interest in undergraduate and graduate instruction and evidence of teaching skills. Salary will be commensurate with experience and qualifications, based on University of California pay scales. Applications, consisting of a curriculum vitae, list of publications, summary of research that would be pursued at UCSD, and the names, addresses, and other contact information of at least three referees should be sent by mail only to: **Faculty Search Committee for (state your field of research), Department of Physics CC-0354, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0354.** Review of applications begins December 1, 2001 and will continue until the positions are filled.

UCSD is an equal opportunity/affirmative action employer.



The Physics Department of the Massachusetts Institute of Technology is seeking to make junior faculty appointments in the area of subatomic physics covering the energy scales from the QCD scale to the Planck scale. Candidates will be evaluated on the basis of potential contribution to both the undergraduate and graduate teaching programs of the Department of Physics, and to the research programs carried out in the Center for Theoretical Physics. Current faculty in the Center for Theoretical Physics span a broad range of interests, including QCD, electroweak physics, unification, cosmology, and string theory.

Faculty members at MIT teach undergraduate and graduate physics courses, serve as mentors and advisors, and oversee students' research projects. Candidates must show promise in teaching as well as in research. Preference will be given to applicants at the Assistant Professor level. Applicants should submit by regular mail a curriculum vitae (include email address), a publications list, a brief description of research interests and goals, and should have at least three letters of reference sent directly to:

Professor Robert Jaffe, Chair, Search Committee, Center for Theoretical Physics, 6-311, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.

The deadline for applications is December 1, 2001.

MIT is an Affirmative Action/Equal Opportunity employer.

Women and minority candidates are strongly encouraged to apply.



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UPPSALA
UNIVERSITET

The Svedberg Laboratory is a Swedish national research facility with purpose to make available resources for accelerator-based research. The laboratory has a cyclotron, the Gustaf Werner Cyclotron, and a cooler ring, CELSIUS.

The Svedberg Laboratory recruits a Senior Research Engineer

to work on tasks related to accelerator technology at CELSIUS, with emphasis on the electron cooler.

The successful applicant will be PhD or MSc in electrical engineering or physics. Work experience in high voltage, ultra-high vacuum, and accelerator technology are considered merits. Cooperative skills are required.

Information about the position can be requested from Dag Reistad, telephone no. +46-18-471 3177.

Please send your application so that it arrives no later than 19 November 2001 to

Registrar, Uppsala Universitet, Box 256, SE-751 05 Uppsala, Sweden.

Please refer to position no. 2001/3749.



Research Positions LIGO Laboratory

California Institute of Technology (Caltech) Massachusetts Institute of Technology (MIT)

The Laser Interferometer Gravitational-Wave Observatory (LIGO) project led by Caltech and MIT scientists is a gravitational-wave observatory, consisting of two facilities with laser interferometric detectors located at Hanford, Washington and Livingston, Louisiana. The project is sponsored by the National Science Foundation. Commissioning of the LIGO detectors is underway and early data collection for astrophysical searches will take place this coming year.

The LIGO Laboratory expects to have positions at Caltech, MIT, and at the two observatory sites. Scientists will be involved in the commissioning and operation of LIGO itself, analysis of data, both for diagnostic purposes and astrophysics searches, as well as a vigorous R&D program for future detector improvements. Expertise related to astrophysics, modeling, data analysis, electronics, optics, vibration isolation, and control systems is useful. Most importantly, candidates should be broadly trained physicists, willing to learn new experimental and analytical techniques, and ready to share in the excitement of building and operating a gravitational-wave observatory for studies in physics and astrophysics. In general, appointments will be at the post-doctoral level with one-year initial appointments with the possibility of renewal for up to two subsequent years. In some cases, appointments with an initial term of three years or of an indefinite term may be considered. Appointment is contingent upon completion of all requirements for a Ph.D.

Applications for positions at any LIGO Laboratory site (MIT, Caltech, Hanford, or Livingston) should be sent either to Dr. Barry C. Barish, California Institute of Technology, LIGO 18-34, Pasadena, CA 91125, or to Dr. David Shoemaker, Massachusetts Institute of Technology, LIGO Project, NW17-161, 175 Albany Street, Cambridge, MA 02139 and should include a curriculum vitae, list of publications, and the names, addresses, email addresses, and telephone numbers of three or more references. Applicants should request that three or more letters of recommendation be sent directly to the attention of Dr. Barish or Dr. Shoemaker. Consideration of applications will begin on December 1, 2001 and will continue until all positions have been filled.

*Caltech and MIT are Affirmative Action/Equal Opportunity Employers
Women, Minorities, Veterans, and Disabled Persons are encouraged to apply*

Further information about the LIGO Project is available from:

<http://www.ligo.caltech.edu>



UNIVERSITY OF
CAMBRIDGE

Cavendish Laboratory, Department of Physics

Research Associate Appointment in Development of a combined PET/MRI scanning system

The Department hopes soon to be in a position to appoint this post, depending on final confirmation of funds supporting it.

Applications are invited for an EPSRC-funded postdoctoral Research Associate vacancy in the Low Temperature Physics research group at the Cavendish Laboratory. The project is a collaboration between the University Physics Department and Medical Imaging groups at the University Clinical School based on the Addenbrooke's Hospital site. Our aim is to design and build a novel combined PET and MRI scanner. A scanner capable of simultaneous PET and MRI imaging would be a significant advance in the field of medical imaging.

The post will involve a major role in this ongoing EPSRC project to design and build novel MRI systems. Applicants will have a PhD in Physics, Electrical Engineering or an allied subject. The work will include the development of a read-out system for the PET camera capable of operating close to the MRI system. A background in radiation detection, for example experimental High Energy Physics, would be an advantage. There is also scope within the project to contribute to algorithm development for improved image reconstruction and 3D image visualisation using modern parallel computing methods.

The appointment will be for up to 2 years in the first instance, with the possibility of renewal for a further period or periods subject to the availability of funding. The salary will be in the range £17,451 - £26,229 per annum and is pensionable.

Applications including a CV and the names of two referees should be sent to Secretary LTP Group, Cavendish Laboratory, Madingley Road, Cambridge CB3 0HE. Alternatively, applications and informal enquiries can be sent to Dr Richard Ansorge by e-mail to Richard.Ansorge@phy.cam.ac.uk. The closing date for applications is 31 October 2001.

The University is committed to equality of opportunity



Yale University

Postdoctoral or Associate Research Scientist Position in Atomic and Muon Physics

Our group at Yale is doing research in atomic and muon physics with the Swiss meson facility at the Paul Scherrer Institute in Villigen, Switzerland (near Zurich). Our principal experiment at present is the measurement of the Lamb shift in the 2S state of muonic hydrogen (μ^-p) using laser techniques. The Lamb shift experiment is approved at PSI. Research and development of the equipment for the experiment is well underway and runs with the muon beam are expected to start within one year. Future laser spectroscopy measurements will include the hfs of the 2S state in μ^-p and related measurements of μ^-d . Residence at PSI and trips to our colleagues at the University of Paris will be involved. Our research position is open now and is a two year appointment initially which could be extended. Laser experience is desirable. The salary will be in the range from \$35K to \$50K/yr.

Candidates should send a CV, the names of two references, and a brief summary of past research to:

**Professor Vernon W. Hughes, Yale University
Physics Department, 260 Whitney Ave, PO Box 208121,
New Haven, CT. 06520-8121.**

Vernon.Hughes@yale.edu Send a copy by email to
Satish.Dhawan@yale.edu

ACCELERATOR PHYSICIST

Competition #844-0831

TRIUMF, Canada's National Laboratory for Particle and Nuclear Physics, is seeking an Accelerator Physicist to work on operational and developmental aspects of the 500 MeV cyclotron, and other accelerators for the production of exotic ions or medical isotopes.

Qualified applicants will have a relevant PhD in Physics or Engineering Physics, or equivalent education, with demonstrated practical hands-on experience acquired in an accelerator laboratory. The post-graduate degree, or previous work experience, will be in the fields of beam physics or accelerator physics, preferably with cyclotrons. Previous experience will include beam dynamics, optics, accelerator structures, instrumentation and diagnostics. The successful candidate will have demonstrated initiative, sound judgement, and excellent interpersonal skills. A strong academic background with thorough knowledge of electromagnetism, and a basic knowledge of accelerator engineering and physics, are essential.

TRIUMF is an equal opportunity employer offering a salary commensurate with experience, and a competitive benefits package. Applications for this position will be accepted until the position is filled. All qualified applicants are invited to submit their resumes as soon as possible to: **TRIUMF, Human Resources (Comp# 844-0831), 4004 Wesbrook Mall, Vancouver, B.C. V6T 2A3**

CORNELL

UNIVERSITY

SENIOR RESEARCH ASSOCIATE Superconducting RF Research and Development

Cornell University Laboratory of Nuclear Studies has an opening for a Deputy Leader of the Superconducting Radio Frequency Program at the Senior Research Associate level. Cornell is a leading institution in the development of RF superconductivity (SRF). Our program covers SRF systems for the Cornell Electron Storage Ring (CESR), as well as development activities with the International TESLA (superconducting linear collider) and the international Muon Collider collaborations, and we anticipate the launching of new SRF projects in the immediate future.

Our program has a strong basic R&D component to address limitation mechanisms in SRF cavities. The Laboratory of Nuclear Studies provides an academic environment with opportunities for supervising graduate students and teaching SRF related courses.

This is a continuing appointment subject to availability of funds under our NSF contract. A PhD in physics is required with at least seven years related experience in RF superconductivity. Further information about SRF activities at the Laboratory of Nuclear Studies can be found on <http://www.lns.cornell.edu/public/CESR/SRF>. Please send an application with curriculum vitae and three reference names to:

**Prof. Hasan Padamsee, Cornell University,
Newman Lab, Ithaca, NY 14853-5001
e-mail to search@lns.cornell.edu**

Cornell University is an equal opportunity, affirmative-action employer.

ASSISTANT DIRECTOR, CENTER FOR COSMOLOGICAL PHYSICS

The National Science Foundation has established a Center for Cosmological Physics at the University of Chicago. Ed Blucher, John Carlstrom, Sean Carroll, James Cronin, Joshua Frieman, Wayne Hu, Stephan Meyer, Angela Olinto, Randall Landsberg, Simon Swordy, Michael Turner and Bruce Winstein are charter members.

The Center focuses on phenomena outside the Standard Model of Particle Physics which can be explored on a cosmological scale. Initial thrusts include: characterization of the Dark Energy, testing if the Universe underwent a period of inflation, and understanding the highest energy cosmic rays.

The Assistant Director will manage our Center while simultaneously participating in research.

Responsibilities will include budget analysis and preparation of scientific reports. He or she will supervise an Administrative Assistant, a secretary, and a part-time budget officer; organize symposia; and work with the Director and advisory groups to develop scientific goals and plan for future initiatives. The initial term is for 5 years.

Qualifications: Ph.D. in physics or astronomy. Significant post-doctoral experience (not necessarily in Cosmology) which includes management and supervisory responsibilities is desirable. Salary commensurate with experience.

Applications will be accepted until the job is filled. Applications should include a CV, publication list and 3 letters of recommendation from those familiar with the management capabilities of the applicant. Women and minorities are encouraged to apply.

Direct Applications to:

Professor Bruce Winstein
Director, Center for Cosmological Physics
Enrico Fermi Institute
5640 S. Ellis Avenue, Chicago, IL 60637
bruce@cfcfp.uchicago.edu
<http://cfcfp.uchicago.edu/>

THE UNIVERSITY OF CHICAGO

NEED TO RECRUIT?

Call Debra Wills on

+44 (0)117 930 1196

E-mail debra.wills@iop.org



DESY is one of the five large accelerator centres worldwide. The research spectrum reaches from elementary particle physics up to molecular biology and medicine and is unique in Europe.

In preparation for the construction of the planned linear accelerator TESLA, DESY is establishing an integrated information management, to collect and distributes all data and documents which are generated worldwide during the project in order to provide all participants with correct and up to date information. Different information systems like EDM/PDM, Facility Management, Asset Management and SAP are used and the organisational framework will be adapted to the application of these systems.

For the integration of information systems we are looking for a

Computer Scientist

as soon as possible for a postdoctoral position which is limited to a duration of 3 years.

You should have a degree in computer science or a comparable field and good knowledge of the structure and design of relational data bases as well as of Web-based Client server applications. If you bring along creativity, initiative and the motivation to work in a team, have an interest in an international research environment, please send your full CV to the adress below.

The salary and the social benefits correspond to those in public services. While this is a full time position, part time employment may be a possibility.

Due to German law handicapped applicants will be given preference in case of equal qualifications.

DESY is an equal opportunity employer and welcomes applications of qualified women.

Deutsches Elektronen-Synchrotron DESY

Notkestrasse 85 • code: 81/2001 • D-22603 Hamburg • Germany
Phone ++49(0)40/8998-2473 • www.desy.de

Deadline for applications: 15.10.2001

CERN COURIER RECRUITMENT BOOKING DEADLINE

November issue: 12 October

Contact Debra Wills:

Tel. +44 (0)117 930 1196 Fax +44 (0)117 930 1178

E-mail debra.wills@iop.org

cerncourier.com

STANFORD UNIVERSITY

PEHONG AND ADELE CHEN PARTICLE ASTROPHYSICS AND COSMOLOGY INSTITUTE DIRECTOR

The Stanford Linear Accelerator Center (SLAC) and the Department of Physics are pleased to announce a search for the first Director of the newly established Pehong and Adele Chen Particle Astrophysics and Cosmology Institute of Stanford University.

The Director will occupy an endowed, tenured, full professorship chair and will have joint appointments in the Stanford Linear Accelerator Center and in the Department of Physics. The Director will report to the Vice-Provost for Research of Stanford University. The Institute will serve as a focal point for eminent researchers and visitors in experimental, observational, and theoretical particle astrophysics and cosmology. The Institute building will be at the Stanford Linear Accelerator Center and will contain the main offices, meeting rooms and small laboratories. Facilities required for major experimental projects will be available at SLAC and near the Department of Physics. The Institute will have ten Stanford faculty along with staff, students and visitors. The Institute faculty will have appointments at SLAC, the Department of Physics and/or the Department of Applied Physics. Candidates should have demonstrated outstanding research accomplishments and leadership in fields such as particle astrophysics, astrophysics, cosmology, astronomy or related areas of physics. The Director will have major responsibility for the development of the Institute's faculty and staff, for setting the goals and style of the Institute, and for bringing additional funding to the Institute. Directorship terms of service are five years and renewable.

Applications containing a CV and a list of references should be sent before November 1, 2001 to the address given below. Stanford University is an equal employment opportunity employer. We especially invite applications from women and minority scientists.

Prof. Martin L. Perl and Steven Chu, Co-chairs

Chen Institute Director Search Committee

**Stanford University, Stanford Linear Accelerator Center
2575 Sand Hill Road, Mail Stop 61, Menlo Park, CA 94025**

SLAC

Postdoctoral Positions

The C. N. Yang Institute for Theoretical Physics at Stony Brook University seeks candidates for postdoctoral positions with anticipated appointment date of 1 September 2002. Research fields at the institute include, but are not limited to, elementary particle theory, gauge field theory, statistical mechanics, supersymmetry and superstring theory. Candidates are required to have Ph.D. in Physics.

We recommend electronic application at: (<http://www.physics.sunysb.edu/itp/jobs>). In the absence of web access, please email for instructions by auto-reply: (job-forms@insti.physics.sunysb.edu). If you cannot connect electronically, please write to: CNYITP Search, Stony Brook University, Stony Brook, NY 11794-3840.

Review of applications will begin 1 December 2001, and continue until the positions are filled.

Applications from women, people of color, disabled persons, and veterans are especially welcome. AA/EOE

**STONY
BROOK**
STATE UNIVERSITY OF NEW YORK

Grid Computing Opportunities at CERN funded by PPARC

Opportunities now exist for computing specialists to work on grid computing at CERN, funded by PPARC. The staff appointed will be employed either through a UK university or CERN. Grid Computing uses distributed computing, processing and data storage to address some of the most complex new scientific and engineering challenges. The CERN experiments on the LHC will have enormous computing requirements and will require a large and complex computing system.

LHC computing will be implemented as a *computational grid*, integrating large distributed *computing fabrics* into a virtual computing environment. The development and prototyping work will be organised as a project that will include many scientific institutes and industrial partners. CERN will co-ordinate the project, which will be integrated with several European, national and US projects.

PPARC and CERN are offering a number of grid computing posts available at CERN, aimed at addressing the LHC computing challenge. Candidates should have at least two years solid practical computing experience in one or more of the following areas: systems management using Unix/Linux or Windows 2000; large-scale systems and storage management; relational and/or object database management systems; internet services and technologies; object-oriented programming, preferably in C++ or Java; software engineering; local and wide area networking technologies; network management; computer and network security; development of high energy physics applications, and, preferably, a university degree in computer science, physics or a related discipline. Posts are available at a range of levels (including managerial/project leader) and computing fields. For more details see the CERN IT jobs web site here:
<http://it-div-jobs.web.cern.ch/it-div-jobs/lhc>.

Applications for these posts should comprise: a curriculum vitae of a maximum of two sides of A4 paper; the names of 3 referees and a **brief** description of the work at CERN you propose to do and why you are suited to such work. Applications should be sent to **Guy Rickett at PPARC, Polaris House, North Star Avenue, SWINDON, SN2 1SZ, UK** or by email to guy.rickett@pparc.ac.uk. Applications received by 19 October 2001 will be considered for the first round of appointments. Later appointments may be available. For further enquiries contact Guy Rickett at PPARC phone +44(0)1793 442014 or by email to guy.rickett@pparc.ac.uk or Les Robertson at CERN by email: les.robertson@cern.ch or phone: +41 22 76 74916.

PPARC

Assistant Professor of Physics

The Department of Physics expects to appoint a specialist in particle theory as Assistant Professor of Physics. This is a tenure-track position to begin in September 2002. Candidates should have broad experience in particle theory, including strong interests in new phenomena. All highly qualified candidates will be considered.

Applicants should send a curriculum vitae, a brief research statement, and the names of at least three referees to:

Ctirad Uher, Chair, Department of Physics, 2477 Randall Laboratory, University of Michigan, Ann Arbor, MI 48109-1120.

To be guaranteed full consideration, an application must arrive by January 1, 2002.

The University of Michigan is a non-discriminatory/affirmative action employer.

POSTDOCTORAL FELLOW CENTER FOR COSMOLOGICAL PHYSICS

THE NSF has just established the Center for Cosmological Physics (CfCP) at the University of Chicago. Research at the Center focuses 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-Zeldovich effect) and Cosmic Infrared Background; analysis of Sloan Digital Sky Survey and other large-scale structure data; high-energy astrophysics with photons and cosmic rays, and numerous topics in theoretical cosmology constitute the initial slate of activities. The CfCP will have active visitor, symposia, and education/outreach program.

Several Center Fellow positions are now open. Center Fellows have the freedom to work on any of the efforts in our Center.

We seek candidates with a recent Ph.D. in physics, astrophysics, or related fields, with an interest in pursuing experimental or theoretical interdisciplinary research in cosmology. **PRIOR EXPERIENCE IN COSMOLOGICAL PHYSICS IS NOT A REQUIREMENT.** Positions are for two years, with possible renewal for a third.

A CV, 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.**

Information about the CfCP can be found at <http://cfcp.uchicago.edu/>

Women and minorities are encouraged to apply. Applications are now being accepted for positions which are available immediately. The deadline is December 10th for positions which will begin July 1, 2002.

THE UNIVERSITY OF CHICAGO

Department of Physics



Lectureship in Experimental Particle Physics

The Department of Physics, Queen Mary, University of London invites applications for a new **Lectureship in Experimental Particle Physics**.

Candidates are expected to have outstanding research achievements. The successful candidate, based at Queen Mary, will be welcome to join one of the Group's current experiments, BaBar at SLAC, H1 at HERA, or ATLAS for the LHC, and have the opportunity to participate in GRID e-Science activities. He/she will also be encouraged to initiate new projects within areas such as the Next Linear Collider or Neutrino Factories.

The appointment is expected to begin early in 2002. The present salary will be within the Lecturer scale £22,401 to £34,349, including London Allowance.

For further information please contact the Head of Department, **Prof D.J. Dunstan** (d.dunstan@qmul.ac.uk) or the Head of Experimental Particle Physics, **Prof A.A. Carter** (a.a.carter@qmul.ac.uk).

An application form is available from phys-recruit@qmul.ac.uk or by telephone, +44 (0)20-7882-5030, quoting reference Phys2307.

Completed forms should be returned to the: **Recruitment Secretary, Mrs D. Paige, Department of Physics, Queen Mary, University of London, London E1 4NS by November 5th 2001.**

Faculty Position Department of Physics

The Department of Physics at the University of California at Davis invites applications for a faculty position in observational or theoretical cosmology. This position has a targeted start date of July 1, 2002. The appointment will be a tenure-track Assistant or tenured Associate Professor level as determined by qualifications and experience.

This position is one of four positions created for our cosmology program. The current cosmology group consists of Professors Andreas Albrecht, Robert Becker, and Lloyd Knox. The cosmology program benefits from full access to Lick and Keck observatories and from overlapping interests with our strong departmental programs in condensed matter, nuclear physics, quantum gravity, and especially with our particle physics program. Outstanding persons in all areas of cosmology will be considered. The successful candidate will have a Ph.D. in physics or astrophysics and will be expected to teach at the undergraduate and graduate levels and to conduct any active research program in cosmology.

This position is open until filled; but to assure full consideration, applications should be received by November 30, 2001. To initiate the application process, please mail your curriculum vitae, publication list, research statement, and the names (including address, e-mail, fax, and phone number) of three or more references to:

Professor Winston Ko, Chair
Department of Physics
University of California, Davis
One Shields Avenue
Davis, CA 95616-8677

Further information about the department may be found on our website at <http://www.physics.ucdavis.edu>

The University of California is an affirmative action/equal opportunity employer. The University undertakes affirmative action to assure equal employment opportunity for minorities and women, for persons with disabilities, and for special disabled veterans, Vietnam era veterans, and any other veterans who served on active duty during a war or in a campaign or expedition for which a campaign badge has been authorized

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