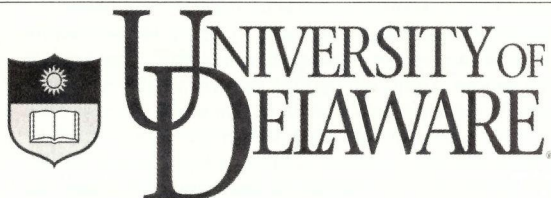


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TENURE TRACK FACULTY POSITION THEORETICAL ATOMIC AND MOLECULAR PHYSICS

The Department of Physics and Astronomy at the University of Delaware (www.physics.udel.edu) invites applications for a tenure-track position in **Theoretical Atomic and Molecular Physics** at the rank of Assistant Professor to start September 1, 2003.

The Department has research programs in condensed matter and materials physics, atomic, molecular, and optical physics, particle theory, and astronomy and astrophysics that have been recently strengthened by a number of new hires. We seek candidates with broad interests and expertise in such areas as numerical simulations, Bose-Einstein condensation, high-precision electronic structure calculations, macro-molecules, cold atomic and molecular collisions, quantum dynamics of few-body systems, and clusters and nanostructures.

The successful candidate will be expected to demonstrate the potential for establishing a significant externally funded research program and to be a dedicated teacher of physics at the undergraduate and graduate levels. Significant start-up funds are available.

Applicants must send a curriculum vita, publication list, research plan, and a teaching statement, as well as arrange for three letters of reference to be sent directly to the

Atomic and Molecular Physics Search Committee, Department of Physics and Astronomy, University of Delaware, Newark, DE 19716.

The curriculum vitae and letters of reference shall be shared with Departmental faculty.

For full consideration completed applications should be received no later than January 2, 2003.

The University of Delaware is an Equal Opportunity Employer, which encourages applications from qualified minority groups and women.



TWO PROFESSORIAL POSITIONS EXPERIMENTAL ELEMENTARY PARTICLE PHYSICS

Cornell University is seeking outstanding individuals for two professorial positions in experimental elementary particle physics. One position is at the level of tenure-track Assistant Professor and the other is at the level of tenure/tenure-track Assistant, Associate or Full Professor. In addition to teaching undergraduate and graduate courses, responsibilities will include supervision of graduate students and participation in the research program of the Laboratory for Elementary Particle Physics, which is based on the CESR e^+e^- storage ring and the CLEO experiment, with future involvement in the international linear collider. CLEO provides a unique opportunity for high precision measurements in the Upsilon family, at the J/ψ , and near the DD and $D_s D_s$ production thresholds. The Laboratory envisions a substantial role in both the particle physics and accelerator development of the linear collider. A PhD in Physics and experience in experimental elementary particle physics is required. Both positions will be available on or before August 1, 2003. Please send an application and at least three professional letters of recommendation to

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

Applications should include a curriculum vitae, a publication list, and a short summary of teaching and research experience. Applications received before January 15, 2003 will be given full consideration. Electronic submissions and mail inquiries may be addressed to search@lps.cornell.edu.

Cornell is an equal opportunity/affirmative action employer.

<http://www.lps.cornell.edu/public/eppprof.html>

Duke University

Faculty Position in Experiment High Energy Physics

Duke University is seeking to fill a faculty position at the Junior (tenure-track assistant professor) or Senior (tenured associate or full professor) level in the area of experimental high energy physics.

The Duke High Energy Physics group currently has a major research program in hadron collider physics through participation in the CDF and ATLAS experiments.

We are seeking candidates with outstanding records and exceptional promise for future growth in a new area such as neutrino physics. A strong commitment to excellence in teaching at both the undergraduate and graduate level is also expected. The position is available starting September 2003.

Applications received by January 15, 2003 will be guaranteed consideration.

Please send a resume and research statement to

High Energy Physics Search Committee, c/o Prof. Seog Oh,
Department of Physics, Box 90305, Duke University,
Durham, NC 27708, USA
(email: seog@phy.duke.edu).

Junior candidates should arrange to have three reference letters sent to the same address. Senior candidates should supply the names of up to three references.

Duke University is an affirmative action/equal opportunity educator and employer.

IOWA STATE UNIVERSITY

POSTDOCTORAL RESEARCH ASSOCIATE EXPERIMENTAL HIGH ENERGY PHYSICS

The experimental high energy physics group at Iowa State University invites applications for a Postdoctoral Research Associate position. We seek a candidate to join our program in the BABAR experiment at the Stanford Linear Accelerator Laboratory (SLAC). BABAR is providing data for the study of B meson physics as well as charm and tau processes. The Iowa State group is involved in the study of B meson decays, especially CP violation and rare decay modes. The successful candidate will be stationed at SLAC as part of this program and is expected to participate in data analysis and detector operations. Experience with state-of-the-art detector systems and analysis of experimental high energy physics data are appreciated. Experience with C++ is desirable.

Candidates should have a Ph.D. in experimental elementary particle physics and have a strong interest in data analysis. Interested applicants should send their CV, a brief statement of research interest, and arrange to have at least three letters of reference sent to:

Professor Soeren Prell, Department of Physics and Astronomy,
Iowa State University, Ames, Iowa 50011-3160, U.S.A.
E-mail: prell@iastate.edu Phone: (515) 294-3853 Fax: (515) 294-3747

Applications will be accepted until the position is filled.

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

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Dipl. Physiker/in (promoviert)

I. Physikalisches Institut IB

Unser Profil:

Das I. Physikalisches Institut arbeitet im Rahmen von internationalen Kollaborationen mit an der Entwicklung, dem Bau, dem Betrieb sowie der Auswertung von Experimenten in der Teilchen- (CMS-Experiment) und Astroteilchenphysik (AMS-Experiment).

Ihr Profil:

Einstellungsvoraussetzung ist ein mit der Promotion abgeschlossenes Hochschulstudium in experimenteller Teilchenphysik. Erwartet werden langjährige Erfahrung in der Entwicklung und der Betreuung komplexer Detektoren für die Teilchenphysik. Gesucht wird eine Persönlichkeit mit hohem Verantwortungsbewusstsein, Flexibilität und Teamfähigkeit. Gründliche Kenntnisse in der Physik der Teilchendetektoren sind Voraussetzung. Kenntnisse in den Verwaltungsabläufen der Hochschule, insbesondere im Beschaffungswesen, sind von Vorteil.

Aufgaben:

Er/Sie wird mitarbeiten bei der Entwicklung, dem Bau und dem Betrieb der Großdetektoren CMS am CERN und AMS auf der Internationalen Raumstation ISS. Darüber hinaus soll der/die Bewerber/in den Lehrstuhlinhaber bei den vielfältigen Verwaltungsaufgaben entlasten, insbesondere bei der Koordinierung des Wissenschaftsbetriebes und der Ressourcen (Finanzen, Personal, Werkstattkapazitäten) und dem Finanzcontrolling.

Unser Angebot:

Die Stelle ist zum 01.03.03 zu besetzen und unbefristet. Die regelmäßige Wochenarbeitszeit beträgt 38,5 Stunden. Die Eingruppierung richtet sich nach den geltenden Tarifverträgen.

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Ihr Ansprechpartner:

Für Vorabinformationen steht Ihnen Herr Dr. Schultz von Dratzig unter Tel.-Nr. +49-(0)241-80-27163 oder Fax-Nr. +49-(0)241-80-22623 oder E-Mail svd@physik.rwth-aachen.de zur Verfügung. Nutzen Sie auch unsere Webseiten zur Information: <http://accms04.physik.rwth-aachen.de>.

Ihre Bewerbung richten Sie bitte bis zum 07.01.03 an: I. Physikalisches Institut RWTH Aachen, Postfach, 52056 Aachen.



Postdoctoral Research Associate in Nuclear Physics



The I.U. nuclear physics group has an active program with experiments to study nucleon structure, nuclear dynamics, and the properties of the weak interaction. The wide range of questions being addressed by 11 faculty members include parity violation in thermal neutron-proton capture at LANSCE, flavor and spin structure of the nucleon at RHIC with the STAR detector, neutrino oscillations with the miniBooNE experiment at Fermilab, and low energy solar neutrinos with CLEAN. Local facilities include a 200 MeV cyclotron and a 240 MeV synchrotron. While the major programs on these no longer include nuclear physics they do provide excellent facilities for development and testing. The laboratory also provides excellent personnel infrastructure to enable strong participation in major off-site projects. Opportunities are available on all major research projects. For further information, please access our Web site at <http://www.iucf.indiana.edu>.

Initial appointments as research associate will be for one year, with possible renewal for two additional years. A Ph.D. in experimental subatomic physics is required. Applications for postdoctoral positions are accepted on a continuing basis and starting dates can be adjusted to suit the situation of the candidates.

Send résumé, bibliography and contact information for three references to

Dr. John M. Cameron, Director

Indiana University Cyclotron Facility

2401 Milo Sampson Lane, Bloomington, IN 47408

FAX: 812-855-6645

Email: cameron@iucf.indiana.edu



Indiana University is an Affirmative Action/Equal Employment institution.



Universität Karlsruhe (TH)

An der Fakultät für Physik der Universität Karlsruhe (TH) ist eine

Professur (C4) für Theoretische Physik (Nachfolge Prof. Dr. W. Hollik)

baldmöglichst zu besetzen.

Zum Aufgabenbereich der Professur gehört die Vertretung des Fachgebiets "Theoretische Elementarteilchenphysik" in Forschung und Lehre. Eine Kooperation mit den vorhandenen Arbeitsgruppen der theoretischen und experimentellen Elementarteilchenphysik wird erwartet. Die Mitarbeit im beantragten Sonderforschungsbereich/Transregio "Computational Particle Physics" ist erwünscht. Vorausgesetzt werden Habilitation oder gleichwertige wissenschaftliche Leistungen sowie Lehrerfahrung.

Bewerbungen mit den üblichen Unterlagen, einer Darstellung der bisherigen Forschungs- und Lehrtätigkeit sowie fünf ausgewählten Sonderdrucken eigener Publikationen sind bis zum

31. Dezember 2002

an den Dekan der Fakultät für Physik, Universität Karlsruhe (TH), Postfach 6980, 76128 Karlsruhe zu richten.

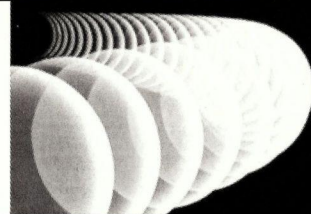
Die Universität Karlsruhe ist bestrebt den Anteil an Professorinnen zu erhöhen und begrüßt deshalb die Bewerbung entsprechend qualifizierter Frauen. Schwerbehinderte Bewerber/Bewerberinnen werden bei gleicher Eignung bevorzugt berücksichtigt.

Im Falle einer erstmaligen Berufung in ein Professorenamt wird das Dienstverhältnis zunächst grundsätzlich befristet; Ausnahmen von der Befristung sind möglich.

NEED TO RECRUIT?

Email Ed Jost: edward.jost@iop.org

The Argonne National Laboratory Named Postdoctoral Fellowship Program



The Director's Office initiated these special postdoctoral fellowships at Argonne National Laboratory, to be awarded internationally on an annual basis to outstanding doctoral scientists and engineers who are at early points in promising careers. The fellowships are named after scientific and technical luminaries who have been associated with the Laboratory and its predecessors, and the University of Chicago, since the 1940's; these include George W. Beadle (biologist), Arthur Holly Compton (high energy particle physicist), Ugo Fano (atomic physicist), Nicholas Metropolis (computational physicist), Willard Frank Libby (nuclear chemist), Glenn Seaborg (chemist), Harold Urey (nuclear chemist), Eugene Wigner (theoretical physicist), and Walter H. Zinn (nuclear reactor physicist), and will be assigned to the fellowship recipients according to the scientific or technical discipline of the fellowship holder. These fellowships complement the existing Enrico Fermi and Maria Goeppert-Meyer fellowships at Argonne.

Candidates for these fellowships must display superb ability in scientific or engineering research, and must show definite promise of becoming outstanding leaders in the research they pursue. The Laboratory intends to award four such fellowships this coming year. Fellowships are awarded for a two-year term, with a possible renewal for a third year, and carry a stipend of \$70,000 per annum with an additional allocation of up to \$20,000 per annum for research support and travel. The Fellows, who will be competitively selected by a special fellowship committee, are given the freedom of associating with Argonne scientists in a research area of common interest.

The Argonne National Laboratory is a highly interdisciplinary "multipurpose" laboratory operated by The University of Chicago for the U.S. Department of Energy. The Laboratory's main activities include the following general areas:

Basic science includes experimental and theoretical work in materials science, physics, chemistry, biology, and mathematics and computer science, including high-performance computing.

Scientific facilities such as Argonne's Advanced Photon Source (APS) help advance America's scientific leadership and prepare the nation for the future. The laboratory is also home to the Intense Pulsed Neutron Source (IPNS), the Argonne Tandem Linear Accelerator System (ATLAS) and a variety of other smaller user facilities.

Energy resources programs focus on research towards a reliable supply of efficient and clean energy for the future.

Environmental management includes work on managing and solving the nation's environmental problems and promoting environmental stewardship.

More specific information regarding research activities at Argonne can be obtained by viewing the overview at website <http://www.anl.gov/OPA/vtour/>, as well as the more detailed websites of the various research groups, centers and facilities, which can be accessed via the home webpage www.anl.gov.

Applying for an Argonne Named Postdoctoral Fellowship:

One application is sufficient to be considered for all named fellowships. The first Fellowships can start as early as March 2003. To apply, a **letter of nomination** for each candidate is requested. In addition, the candidate is requested to supply the **following materials** to the Director of the Argonne National Laboratory, by **December 31, 2002**:

- Curriculum Vitae;
- Bibliography of publications and preprints;
- Description of research interests to be pursued at the Laboratory; we encourage applicants to contact Argonne staff in their areas of interest in order to explore possible areas of research;
- And the names of two scientists (other than the original nominator) whom the candidate has asked to supply letters of recommendation.

It is the candidate's responsibility to arrange that the two letters of support be sent to the Laboratory at the address below before **December 31, 2002**. The Laboratory expects to complete the selection process by early February 2003.

Correspondence should be sent to:

Argonne National Laboratory
Office of the Director
Fellowship Program
9700 S. Cass Avenue
Argonne, IL 60439
Email: Fellowship-Program@anl.gov
Fax: 630-252-7923

Argonne is an equal opportunity employer.



Magnet Designer/ Beam Transport Physicist

Application forms can be obtained from:
**Operations Group,
HR Division, Rutherford
Appleton Laboratory,
Chilton, Didcot,
Oxfordshire,
OX11 0QX. Telephone
(01235) 445435
(answerphone) or email
recruit@rl.ac.uk quoting
the reference VN2345.
All applications must
be returned by
Monday 16th December
2002.**

A Magnet Designer/Beam Transport Physicist is required to work within the ISIS Accelerator Division at the world-leading ISIS spallation neutron source at the Rutherford Appleton Laboratory (RAL) in Oxfordshire. The successful applicant will provide magnet design and beam transport expertise to facilitate upgrades to ISIS, particularly the new Second Target Station, to underpin the operation of ISIS, and to support RAL's role in international particle accelerator collaborations. Candidates are expected to have a degree in physics, substantial theoretical and practical experience of designing, installing and commissioning magnets, and experience of charged particle beams. It would be advantageous for candidates to have proven ability to work efficiently on several tasks at the one time.



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Starting salary will be either up to £25,790 on a pay range from £20,630 to £28,790 or up to £32,740 on a pay range from £26,190 to £36,010 according to experience. An index linked pension scheme, flexible working hours and a generous leave allowance are also offered. More information about CCLRC is available from CCLRC's World Wide Web pages at <http://www.cclrc.ac.uk>. Further technical information about the post can be obtained from: D.J.S.Findlay@rl.ac.uk

RAL is committed to Equal Opportunities and is a recognised Investor in People. A no smoking policy is in operation.

Access

PhysicsJobs



physicsweb.org

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, 2003.

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 20, 2003.

Applications received after this date will be considered on a case-by-case basis until the position is filled.



UCR

UNIVERSITY OF CALIFORNIA, RIVERSIDE

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



NORTHWESTERN UNIVERSITY

FACULTY POSITION IN THEORETICAL HIGH ENERGY PHYSICS

The Department of Physics and Astronomy at Northwestern University is seeking outstanding candidates for a tenure-track Assistant Professor position in theoretical high energy physics. The appointment starts September 2003. Northwestern offers excellent opportunities for initiating and developing research programs in physics (for more information, see <http://www.physics.nwu.edu/>).

The successful candidate is expected to teach effectively at all levels.

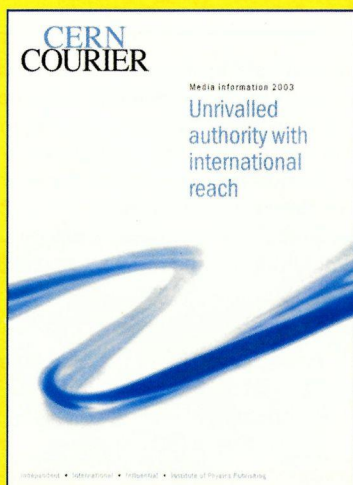
Applicants should submit a curriculum vitae, statement of research interests and plans, and arrange for four letters of reference to be sent to:

**Prof. Heidi Schellman, Chair,
Search Committee,
Department of Physics and Astronomy,
Northwestern University,
Evanston IL 60208-3112.**

Applications should be received by February 3, 2003 to receive full consideration.

Members of minority groups and women are especially encouraged to apply. AA/EOE.

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Faculty Position High Energy Theoretical Physicist Department of Physics University of California, Davis

The Department of Physics at the University of California at Davis invites applications for a faculty position in theoretical high energy physics. Appointment at any level is possible depending upon qualifications and experience. The successful candidate will be the first of three planned new appointments directed toward pursuit of exciting new ideas and challenges associated with the interface between formal theory and phenomenology. Priority will be given to candidates with recognized leadership in this area and the ability to help plan and implement the High Energy Frontier Theory Initiative (HEFTI). The successful candidate should also have a strong interest in interpreting new phenomena as the relevant experimental data becomes available. Interaction and overlap with the particle cosmology group is anticipated. A formal High Energy Frontier Theory Institute is a strong possibility.

The existing high energy group consists of five theoretical and six experimental faculty. The theorists have a broad spectrum of interests including supercollider physics and phenomenology, supersymmetric modeling and superstring phenomenology, Higgs physics, brane models, lattice QCD, weak-interaction and heavy quark physics, solvable models, and quantum gravity. The experimentalists have major efforts at Fermilab and are active members of the LHC CMS collaboration.

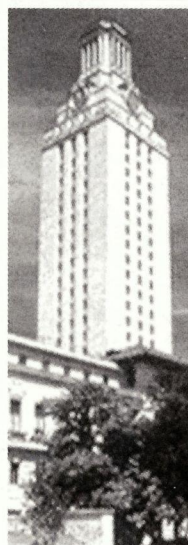
The successful candidate will have a Ph.D. in physics or the equivalent and be expected to teach at the undergraduate and graduate levels.

This position is open until filled; but to assure full consideration, applications should be received no later than January 2, 2003. The targeted starting date for appointment is July 1, 2003. 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:

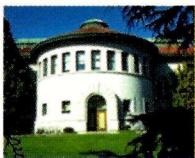
Professor Winston Ko, Chair
Department of Physics
University of California, Davis
One Shields Avenue
Davis, CA 95616-8677

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.



THE EXPERIMENTAL HIGH ENERGY PHYSICS GROUP
 at the
UNIVERSITY OF TEXAS AT AUSTIN
 invites applications for a postdoctoral research position with the
Sudbury Neutrino Observatory experiment.
 SNO's physics goals include the measurements of neutrino mixing parameters in the solar and atmospheric sectors, searches for relic and solar anti-neutrinos, nucleon decay, supernovae neutrinos, and high energy cosmic neutrinos. SNO's data set now includes live time in two distinct configurations, and will soon include data from a new, upgraded phase. The successful candidate will be involved in the analysis of neutrino physics data, hardware support of the detector in Sudbury, and the planning of the next generation of neutrino experiments.
 Interested candidates should send a curriculum vitae, list of publications, and arrange for three letters of reference to be sent to:
 Professor Joshua Klein, The University of Texas at Austin,
 Physics Department, 1 University Station C1600, Austin, TX, 78712-0264
 (jrk@physics.utexas.edu).
 Applications will be accepted until the position is filled.
The University of Texas at Austin is an Equal opportunity/Affirmative Action employer.



Berkeley
University of California

Postdoctoral Positions

Detector Development and Observational Cosmology

We are accepting applications for two postdoctoral researcher positions in the physics department, open immediately. Both successful candidates will join a program developing arrays of superconducting millimeter-wavelength bolometer detectors for observations of the Sunyaev-Zeldovich effect in galaxy clusters. In particular, we are building two new receivers for use on the 12-meter Atacama Pathfinder Experiment (APEX) Telescope and the newly approved 10-meter South Pole Telescope. Applicants should have completed a Ph.D. in either physics or astronomy and have experience in at least one of the following areas: mm-wavelength detectors, microfabrication, superconducting electronics, data acquisition, low-temperature techniques, optics, or astronomical observations. Applicants from a broad range of backgrounds and experience are encouraged to apply. Senior members of the Berkeley group include William Holzapfel, Adrian Lee, Paul Richards, and Helmuth Spieler. More information about the group can be found at these web sites: <http://cfpa.berkeley.edu/group/cmb/index.html> and <http://bolo.berkeley.edu>. Both positions are for an initial period of two years with the possibility of extension. Please send curriculum vitae with publication list, statement of research interests, selected publications, and three letters of recommendation to

William L. Holzapfel,
Dept. of Physics,
University of California,
Berkeley, CA 94720.

The deadline for applications is January 1, 2003.

U.C. Berkeley is an equal opportunity employer.

JOINT FACULTY POSITION IN ELEMENTARY PARTICLE THEORY

The University of Chicago and Argonne National Laboratory invite applications for a joint junior faculty position in elementary particle theory, beginning in the fall of 2003. Candidates should have a Ph.D. degree in physics, strong interest in the relationship between theory and experiment, and ability in teaching. Applicants should send a curriculum vitae, a list of publications, and a statement of research interests, and arrange to have sent three reference letters to

Professor Jonathan L. Rosner,
The Enrico Fermi Institute,
University of Chicago,
5640 South Ellis Avenue,
Chicago, IL 60637, USA.

Complete applications received by February 1, 2003 will be given full consideration.

UofC and ANL are equal opportunity/affirmative action employers.

THE UNIVERSITY OF CHICAGO & ARGONNE NATIONAL LABORATORY



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 with research opportunities in the following areas:

- B physics with the BABAR detector at the PEP II Asymmetric B Factory, analysis of 100 fb⁻¹ data set and preparations for detector improvements.
- Particle Astrophysics program especially the construction and preparation for launch in 2006 of the gamma ray telescope GLAST which will map out gamma sources to probe active galactic nuclei and pulsars, and other topics.
- R&D toward a future linear collider 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 renewed.

Applicants should send a letter stating their physics research interests along with a CV and three references to Jan Louisell, janl@slac.stanford.edu, Research Division, M/S 75, SLAC, PO Box 4349, Stanford, CA 94309. Equal opportunity through affirmative action.



Faculty Position in Experimental Particle Physics

The Department of Physics at Drexel University invites applications for a possible tenure-track faculty position starting in the Fall of 2003 in Particle Physics. We seek a candidate who will establish an active research program while participating in our ongoing effort with the KamLAND neutrino experiment. The successful candidate must also be committed to excellence in education at both undergraduate and graduate levels. Appointment is expected to be at the level of Assistant Professor but appointment at a more senior level may be considered.

Applicants should send a Curriculum Vitae, a Plan of Research, a Statement of Teaching Philosophy, and arrange for 3 letters of reference to be sent to:

**Particle Physics Search Committee, Department of Physics, Drexel University,
3141 Chestnut Street, Philadelphia, PA 19104.**

Applications received by January 31, 2003 will receive full consideration.

For more information see <http://www.physics.drexel.edu/hiring>.

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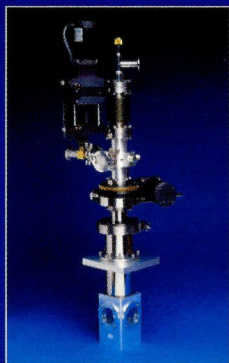
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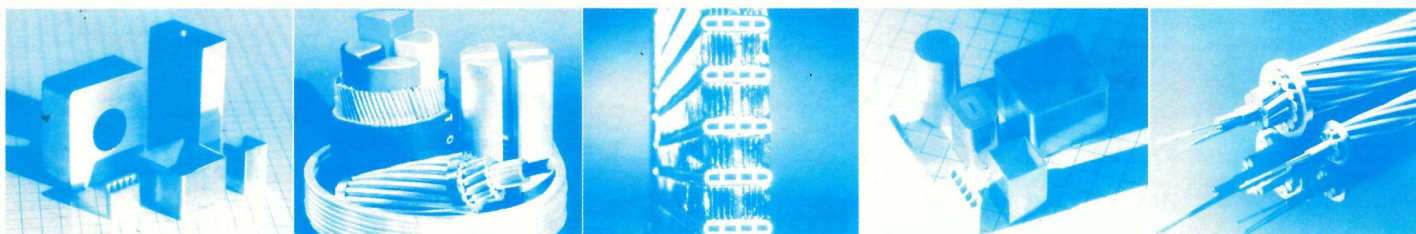
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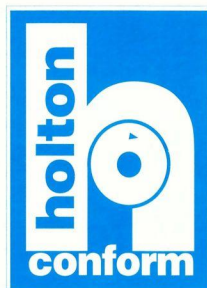


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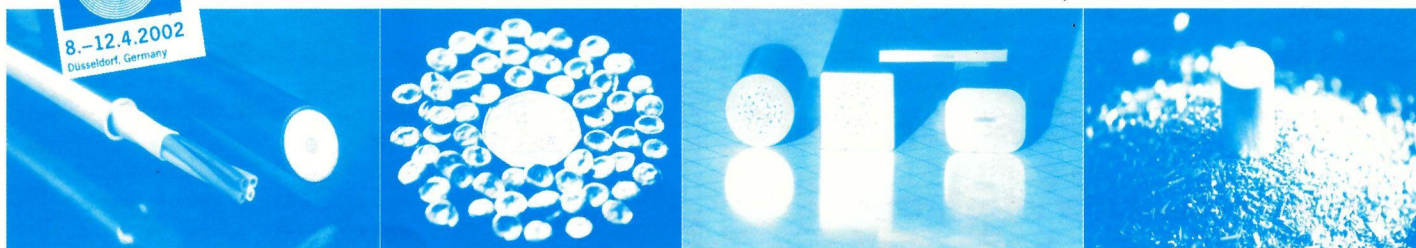
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