

RECRUITMENT

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NORTHERN ILLINOIS UNIVERSITY/ ARGONNE NATIONAL LABORATORY **Joint Tenure-Track Assistant Professorship in Accelerator Physics.**

Northern Illinois University (NIU) and Argonne National Laboratory (ANL) seek to hire a highly creative and productive individual in accelerator physics who will

- (1) contribute toward developing the Rare Isotope Accelerator, a superconducting heavy-ion linear accelerator (<http://www.phy.anl.gov/ria>) and
- (2) strengthen and diversify the accelerator physics program at NIU (<http://nicadd.niu.edu/research/beams>).

The successful applicant must have a Ph.D. in physics or a related field at the time of application and is expected to do independent research, teach effectively at the undergraduate and graduate levels, and direct M.S. and Ph.D. students. A competitive start-up package is available, and the selectee will become a member of the Northern Illinois Center for Accelerator and Detector Development (<http://www.nicadd.niu.edu>). Primary interest is in candidates who are strong in beam physics and nonlinear dynamics; however, candidates with exceptional skills in experimental accelerator physics are encouraged to apply.

Send (via e-mail is preferred) a letter of application, curriculum vitae, summary of research accomplishments, and names and addresses (including e-mail and phone) of at least three references to:

**Prof. Court Bohn, Department of Physics,
Northern Illinois University,
DeKalb, IL 60115;
Tel: (815)753-3546; Fax: (815)753-8565;
E-mail: clbohn@nicadd.niu.edu.**



Review of applications began October 1, 2003 but will continue until position is filled.

Women and minority candidates are especially encouraged to apply.
NIU and ANL are Equal Opportunity/Affirmative Action Employers.

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 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.



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>

Max Planck Institute for Physics

(Werner Heisenberg Institute)



MAX-PLANCK-GESELLSCHAFT

The Max Planck Institute for Physics is one of the world's leading research institutes, focused on particle and astroparticle physics from both an experimental and a theoretical perspective. Our research activities in astroparticle physics comprise participation in the gamma ray telescope MAGIC at La Palma Observatory, the future space mission EUSO, and the CRESST dark matter search at Gran Sasso.

The Max Planck Institute for Physics invites applications for two

Postdoctoral Positions in ultra-high-energy cosmic-ray physics and in high-energy gamma-ray astrophysics

to strengthen our EUSO and MAGIC groups.

EUSO is an experiment for UHE cosmic-ray observations, looking down onto the earth's atmosphere with a wide angle telescope from the International Space Station. EUSO will achieve a 300-1000 times larger aperture than currently running experiments and measure with high precision UHE cosmic rays above the GZK energy.

MAGIC is the world's largest ground based Cherenkov telescope to study the deep universe with high energy gamma rays above 30 GeV. There are many observational targets, e.g. AGNs, GRBs, Pulsars, and SNRs. However, the scientific objectives are not only the study of astrophysical sources, but also the investigation of fundamental physics, such as the search for Dark Matter and tests of the validity of Lorentz invariance. The first telescope is operative since October 2003 and construction of the second telescope has already started.

The position is limited to initially two years, with the possibility of an extension by another four years. Salary is according to the German federal pay scale (BAT). Candidates with an experimental background in cosmic-ray physics, gamma-ray physics or neighbouring fields, such as elementary particle physics and astrophysics, are encouraged to apply. Applications from women are particularly welcome. The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply.

More information on the institute can be found on our homepage: <http://www.mppmu.mpg.de>

Interested scientists should send their application (including a CV and list of publications) until the end of February 2004 and arrange for three recommendation letters to be received by the same date.

Max Planck Institute for Physics

(Werner Heisenberg Institute)

Prof. Dr. Masahiro Teshima
Föhringer Ring 6,
80805 München, Germany
e-mail: mteshima@mppmu.mpg.de

Faculty Position

High Energy Theoretical Physicist

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 four 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 12, 2004. The targeted starting date for appointment is July 1, 2004. 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 Shirley Chiang, 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.

Department of Physics University of California, Davis



UNIVERSITY
of
GLASGOW

DEPARTMENT OF PHYSICS AND ASTRONOMY

Lectureship in Theoretical Particle Physics

£22,191 – £33,679 (under review)

You will pursue an active research programme with international impact as part of the theoretical particle physics group. Your research interests and experience should both broaden and strengthen existing research in the area of phenomenology and Beyond the Standard Model physics. You should be able to teach undergraduate physics, and possibly astronomy, at all levels and postgraduate theoretical particle physics. Informal enquiries can be made to Professor Christine Davies, +44 (0)141 330 4710, e-mail: c.davies@physics.gla.ac.uk. Visit our website at <http://www.physics.gla.ac.uk> for further details on the department.

For an application pack, please see our website or write quoting Ref: 10224/L/A1 to the Recruitment Section, Human Resources Department, University of Glasgow, Glasgow G12 8QQ.
Closing date: 16 January 2004.

The University is committed to equality of opportunity in employment.

www.gla.ac.uk

Post-Doc Research Scientist in Experimental Nuclear Physics

- Term: 2 or 3 years
- Start date: April 1, 2004
- Location: Jefferson Lab, Newport News, VA
- Subject: Photoreactions on the nucleon and few-body nuclei, primarily our newly approved experiment on photopion production from the nucleon with polarized beam and targets; service work for the Hall-B Collaboration at the 20-25% level
- Expertise/experience: Data acquisition and analysis/nuclear particle detectors
- Required: Ph.D. in medium-energy, electromagnetic, and/or few-body nuclear physics

Applicant should send a curriculum vitae and a one-page statement of research interests, and have three letters of reference sent direct to:

Professor B.L. Berman, Department of Physics
George Washington University, Washington, D.C. 20057

[fax: (202) 994-3001; e-mail: berman@gwu.edu; website: <http://www.gwu.edu/~phys>]

Review of applications will take place as received and will continue until the position is filled. The George Washington University is an Equal Opportunity—Affirmative Action Employer. Women and minorities are particularly encouraged to apply.

THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON DC



High Energy Particle Physics Group - Two Lectureships in Experimental Physics

Applications are invited for the above positions to commence in October 2004, or as soon as possible thereafter.

The High Energy Particle Physics Group has active research programmes in hadron collider physics (the ZEUS experiment at HERA, the CDF experiment at Fermilab and construction of the ATLAS experiment at the LHC), neutrino physics (the MINOS long-baseline neutrino oscillation search experiment and the NEMO-III double beta decay experiment), the linear collider sector and R&D for development of the global computing GRID.

Full details are available at <http://www.hep.ucl.ac.uk/>

It is proposed to appoint two experimentalists in relevant areas to extend and strengthen the work of the Group. Applicants with an interest in neutrino physics or the linear collider sector are particularly encouraged to apply, as these are the sectors we primarily wish to enhance. It is also part of the Group's strategy to augment its detector construction capability, and hence applicants with a potential programme in this area are encouraged.

Further details about the posts are available at <http://www.hep.ucl.ac.uk/positions>.

The successful applicant will have an established record of significant research and the potential to become a leader in the field. He/she will also be expected to show evidence of competence in teaching at undergraduate and postgraduate level. Candidates wishing to transfer a long-term fellowship are welcome to apply.

Salary scale in the Lecturer (A-B) range: £22,191 to £33,679 (pay award pending) plus £2,134 London Allowance, plus relocation benefits.

Applications, accompanied by a full CV, including a statement of research interests and plans, plus contact details of three referees, should be sent to Professor B R Martin (brm@hep.ucl.ac.uk), Head of Department of Physics and Astronomy, University College London, Gower St, London WC1E 6BT. Informal enquiries may be made to the HEP Group Leader, Professor P Clarke (clarke@hep.ucl.ac.uk).

The closing date for applications is **Friday, 16th January 2004**.

UCL Taking Action For Equality

FACULTY POSITION IN EXPERIMENTAL HIGH ENERGY PHYSICS

The Department of Physics at the University of California, Riverside, is seeking an outstanding individual for a faculty appointment in experimental high energy physics. The appointment will be at the tenure track assistant professor level. The position is intended to strengthen our program of electron-positron collision physics with the BABAR experiment at SLAC. UCR has a well established program in the area of electron-positron collisions. In addition to BABAR, we participate in the OPAL and L3 experiments at LEP. The Department also has strong efforts in the D0 and CMS hadron collider programs, theoretical high energy physics, heavy ion physics, condensed matter physics, and astrophysics.

The successful candidate is expected to initiate and maintain a vigorous research program with international prominence, and to demonstrate excellence in teaching at both the undergraduate and graduate levels. A Ph.D. in physics and postdoctoral experience in experimental high energy physics are required.

Salary will be competitive and commensurate with qualifications and level of appointment.

Candidates should submit a letter of application, curriculum vitae, statement of research interests, and list of publications to:

Chair, Experimental High Energy Physics Search Committee
Department of Physics
University of California, Riverside
Riverside, CA, 92521-0412
USA

Full review of applications will begin January 12, 2004.

The position will remain open until filled.



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

Tenure Research Position for Computational Astrophysics Laboratory

RIKEN invites applications for a tenure researcher position at Computational Astrophysics Laboratory. Computational Astrophysics Laboratory, changed from Computational Science Division of Advanced Computer Center, started to promote astrophysics on highest energy cosmic-rays. The candidate is expected to play a major role to promote Extreme Universe Space Observatory (EUSO) mission in Japan. See <http://euso.riken.go.jp/> for the details of EUSO mission. Applicants may be under 50 years old and must have Ph. D. and excellent background in astrophysics and astro-particle physics. The successful applicant will be expected to take up this position April 1st, 2004 or later.

An applicant is requested to supply the following materials to Dr. Toshikazu Ebisuzaki, Computational Astrophysics Laboratory, RIKEN, Hirosawa 2-1, Wako, Saitama, Japan 351-0198. (1) a full curriculum vitae with photograph, (2) a list of publications (3) a copy of each of three key publications, (4) a statement explaining research experience, reasons for his/her applications, and research plan in Computational Astrophysics Laboratory (within 4 pages in A4), and (5) a recommendation letter and the names and addresses of two scientists who may comment on the application. Application deadline is January 8th, 2004. An email submission in pdf format is accepted for applicants outside Japan. For further information, contact to Toshikazu Ebisuzaki:

FAX: +81-48-467-4078

E-mail: ebisu@postman.riken.go.jp



Postdoctoral Research Associate in Subatomic Physics



The I.U. subatomic 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 activities being performed by 11 faculty members involve leadership roles in studies of parity violation in thermal neutron-proton capture at LANSCE, flavor and spin structure of the nucleon at RHIC with the STAR detector, and neutrino oscillations with the miniBooNE experiment at Fermilab. 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 B. Sampson Lane, Bloomington, IN 47408 USA
FAX: 812-855-6645 Email: cameron@iucf.indiana.edu



IU is strongly committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of women, persons of color, applicants with disabilities, and members of other underrepresented groups. Indiana University is an Affirmative Action/Equal Employment institution.



Grid.Opportunity@cern.ch

The Opportunity

The IT Department at CERN*, the European Organization for Nuclear Research near Geneva, Switzerland, is actively recruiting for **several major international computer Grid projects** that the Department is leading. **Over 30 new positions need to be filled in the coming six months, in areas including software development, data management, technology evaluation, computer centre operations, dissemination activities and secretarial support.** Typically, the positions are for 2-4 years, and will give highly motivated Europeans an opportunity to take part in some of **the most ambitious IT projects of the decade.**

The Challenge

CERN and its partners worldwide must be able to store and manage **petabytes of data** and process it on a globally distributed Grid of **tens of thousands of processors** by 2007, when the Large Hadron Collider, the largest scientific instrument in the world, is due to begin operation. The LHC Grid activities will be at the vanguard of the development of Grid technology for all of European science, and **top IT companies are collaborating** closely with CERN on this development. Grid activities led by the IT Department at CERN include:



CERN is leading a collaboration with the High Energy Physics Community worldwide to deploy the Large Hadron Collider Computing Grid (**LCG**). LCG-1 went online in September 2003, and will be extended and upgraded continuously during the run up to LHC operation in 2007. Positions at

CERN and in partner organizations are periodically being opened and more specific information is available at www.cern.ch/lcg.



Enabling Grids for
E-science in Europe

CERN is leading **EGEE**, a consortium of 70 partners to provide a Grid Infrastructure for all of European Science. EGEE will be one of the largest efforts worldwide to build a production Grid infrastructure. The project is slated to start in April 2004, with recruitment opportunities opening now. More specific information is available at www.cern.ch/egee.



openlab for DataGrid applications



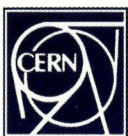
The CERN openlab for DataGrid applications is an industry-sponsored activity to develop new solutions for the Data-Intensive Science of the Large Hadron Collider.

Sponsored by Enterasys Networks, HP, IBM, Intel and Oracle, the CERN openlab periodically has openings.

For more information see www.cern.ch/openlab.

FOR MORE INFORMATION about CERN's Grid activities and Grid technology in general, please visit "Grid@CERN" on the Grid Café website at www.gridcafe.org, where there are also links to employment opportunities at CERN and with CERN's partner organizations. If you would like to be periodically updated about Grid-related employment opportunities in the IT Department, please email Grid.Opportunity@cern.ch.

*From January 1st 2004, CERN's IT Division is expanding into a 400-person Department. For more information on the Department's activities, and employment opportunities, see www.cern.ch/it.



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. Applicant 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



Fermilab

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

The activities of the Theory Group include: phenomenology and field theory of high energy processes in Quantum Chromodynamics and Electroweak Interactions and Lattice Gauge Theory. For details see <http://www-zeuthen.desy.de/theory/>. For Fall 2004 the Theory Group at Zeuthen has openings for

Postdoctoral Positions in Elementary Particle Theory BAT-O IIa

Interested candidates, who have completed their Ph.D. and who are younger than 33 years are invited to apply. Please send your application, including a list of publications, a research statement and 3 Letters of Reference to the Department of Human Resources until Dec. 15. 2003. Later applications may be considered. Further information concerning the positions is given by Dr. J. Blümlein (johannes.blumlein@desy.de). The positions are limited for two years. Salary and benefits are commensurate with public service organisations.

DESY is an equal opportunity, affirmative action employer and encourages applications from women.

Deutsches Elektronen-Synchrotron DESY
member of the Helmholtz Association

code: 68/2003 · Platanenallee 6 · D-15738 Zeuthen · Germany
Phone +49.33762.77311 · www-zeuthen.desy.de
email: personal.abteilung-zeuthen@desy.de

Deadline for applications: 15.12.2003



Postdoctoral & Graduate Positions in String Theory and Quantum Gravity

The string group of the University of Kentucky invites applications for postdoctoral and graduate positions in string theory, quantum gravity, or related areas beginning September 1, 2004. Information about our research program is available at www.pa.uky.edu/strings. Applications and recommendation letters should be sent by Dec. 19 to either Prof. Sumit Das or Prof. Al Shapere, Dept. of Physics, U. of Kentucky, Lexington KY 40506, USA, or to shapere@pa.uky.edu. The University of Kentucky is an equal opportunity employer.

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, 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.



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RESEARCH ASSOCIATE EXPERIMENTAL ELEMENTARY PARTICLE PHYSICS

Cornell University

The experimental high energy physics group at Cornell University has an opening for a Research Associate to work on the CLEO-c experiment at the Cornell Electron Storage Ring. This experiment provides a unique opportunity for high precision measurements in the Upsilon family, at the J/Psi, and near the DD and DsDs production thresholds. These measurements will play a significant role in future unitarity constraints through both direct contributions and through precision calibration and testing of QCD calculation techniques. The high statistics radiative J/Psi sample will provide a powerful laboratory for the search of exotic QCD resonances, such as glueballs and hybrids. The successful respondent will also play a lead role in the development of a Linear Collider Detector R&D program at Cornell.

Appointments are nominally for three years with the possibility for renewal beyond that, subject to mutual satisfaction and the availability of funds under our NSF contract. A PhD in experimental elementary particle physics is required. The salary range is \$45,000-\$50,000 commensurate with experience. Please send an application including curriculum vitae and a publications list to Prof. James Alexander, Newman Laboratory, Cornell University, Ithaca, NY 14853, and arrange for at least two letters of recommendation to be sent. Email correspondence may be directed to search@lepp.cornell.edu.

Cornell is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

Post-Doctoral Position

Applications are invited for an experimental physicist to develop Cadmium Zinc Telluride X-ray and gamma-ray semiconductor detectors for their application in space-borne telescopes, and to analyze and interpret astrophysical X-ray and gamma-ray data.

The position is for 2+1 years;
EOE/AA.

Contact: krawcz@wuphys.wustl.edu.
Tel: (USA+) 314-935-8553

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GSI Darmstadt

one of the leading research laboratories in heavy ion and hadron physics, member of the Helmholtz Association, and the



TECHNISCHE
UNIVERSITÄT
DARMSTADT

invite applications for the joint position of a

Leading Scientist and Full Professor (C4) in Theoretical Physics

We are seeking an outstanding individual in the area of Theoretical Physics – with special expertise in the areas of structure and dynamics of nuclei, nuclear astrophysics and properties of strongly interacting many-body systems – who will also represent this area in teaching at the University. He/She will lead a research division at GSI and is expected to foster close collaborations with German and foreign universities and research institutes. The professorship at the Technische Universität Darmstadt will be integrated in the 'Fachbereich Physik' and the 'Institut für Kernphysik'. Active participation in all areas of teaching is expected.

After the appointment to Professor at the Technische Universität Darmstadt the successful candidate will be granted a leave of absence to GSI.

GSI and the Technische Universität Darmstadt are equal opportunity, affirmative action employers and encourage applications in particular also from women. For the employment § 71 of the Hessian University Law in its version from 31.07.2000 applies (http://www.hmwk.hessen.de/hhg/HHG_31_07_2000.pdf)

Applications, including the curriculum vitae, the list of publications, and research and teaching records, should be sent not later than January 19, 2004 to

Wissenschaftliche Geschäftsführung der
Gesellschaft für Schwerionenforschung mbH
Planckstraße 1
64291 Darmstadt
GERMANY



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

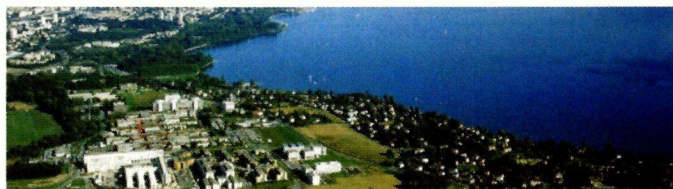
The Swiss Federal Institute of Technology in Lausanne (EPFL) invites applications for an assistant professor appointment (tenure track) in its Institute of Theoretical Physics, tentatively beginning in the fall semester of 2004.

We seek an outstanding young physicist active in theoretical high-energy physics, preferentially at the interface with astrophysics/ cosmology. Experienced candidates seeking a higher-level position may be considered. The successful candidate is expected to lead an independent research program, interacting with existing projects in theoretical particle physics and cosmology and to teach at both graduate and undergraduate levels.

Substantial start-up resources will be available. We offer internationally competitive salaries and benefits.

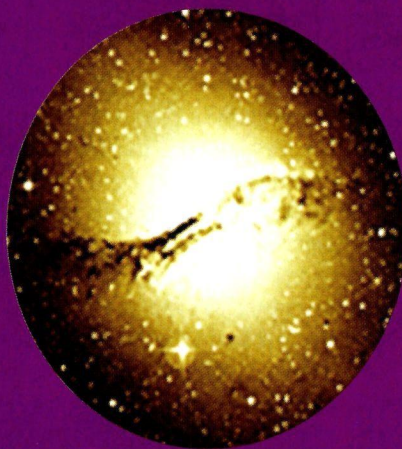
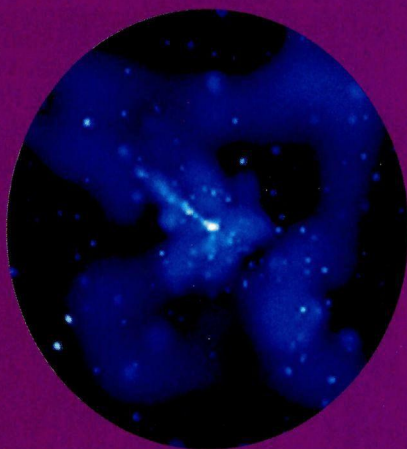
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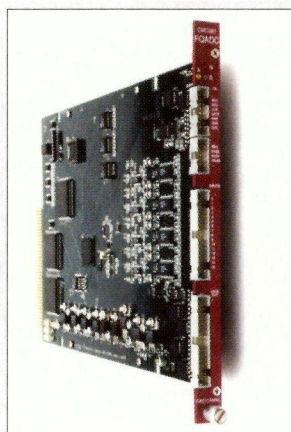


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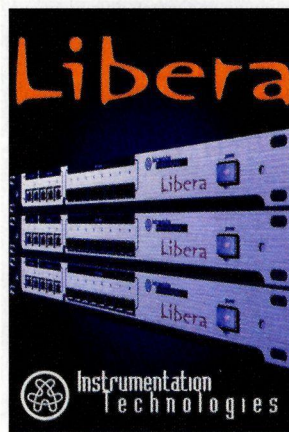
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