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▶ 1 Attachment, 188 KB

The Hispanic Physicist

A news service of the National Society of Hispanic Physicists
Please send news, letters, congratulations, announcements, to
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NSHP web site: <http://www.hispanicphysicists.org>

- 1. US Delegation to the 4th IUPAP Int. Conference on Women in Physics, 5-8 April 2011**
 - 2. Latin American Symposium on Nuclear Physics - Quito, Ecuador - July 2011**
 - 3. Postdoctoral in Experimental Nuclear Science at Indiana U. Bloomington**
 - 4. Staff position for a teaching and research support technician - John Carroll University**
 - 5. Faculty Position in Cosmology/Astroparticle Physics/Gravitational Waves**
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 - 11. Graduate studies in Astrophysics- The Rochester Institute of Technology**
 - 12. 2011 Summer REU Program, Astronomy Dept., Cornell University**
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- 1. US Delegation to the 4th IUPAP Int. Conference on Women in Physics, 5-8 April 2011**

*****Apply now - NSHP's Luz Martinez is in control of the application procedure***
See attached flyer**

The US team leaders invite you to apply to become a member of the US delegation to the 4th IUPAP International Conference on Women in Physics in Stellenbosch, South Africa. The conference will feature discussion of progress and challenges in increasing the numbers and advancement of women in physics around the world; highlight exciting physics frontiers; and feature successful strategies for attracting girls to physics, helping young women launch physics careers, and promoting more women into leadership. Numerous opportunities are planned for networking, professional development, exploring international collaborations, and sharing your research interests and results in a poster session. More information about the conference may be found at:
<http://www.acitravel.co.za/event/index.php?eventID=20>

The US Team Leaders are responsible for assembling a diverse delegation of women and men physicists and others, who will represent our country superbly and commit to apply and share their experiences at the conference to improve the situation for women in physics in the United States, when they return. We seek broad representation from students, post-doctoral fellows, teachers, senior leaders, from the full range of physics and related specialties, employment sectors, geography, and race/ethnicity. The team leaders are seeking funding to allow travel costs of selected delegation members. These

will receive a travel grant sufficient to cover most, but not necessarily all, of the travel costs. Applications must be submitted to: <http://www.uswip.org>, no later than midnight, EST (Eastern Standard Time), January 7, 2011.

Applicants must be US citizens or permanent residents. Other foreign nationals interested in participating should contact the delegation leader(s) for their country (see the conference website, first website above). US Team Leaders: Luz J. Martínez-Miranda (ljmm@umd.edu); Apriel Hodari; Meg Urry (meg.urry@yale.edu); Beth Cunningham (bcunningham@aapt.org).

The conference organizers need to raise \$800,000 to bring teams from up to seventy countries. Individuals and organizations interested in sponsoring the conference by making a tax-deductible donation to support travel of participants from developing countries should contact Beverly Hartline (bhartline@udc.edu).

2. Latin American Symposium on Nuclear Physics - Quito, Ecuador - July 2011

The next Latin American Symposium on Nuclear Physics and Applications which will be held in Ecuador at the Escuela Politecnica Nacional in Quito next July 2011: <http://www.lasnpa-quito2011.org/>. The major topics in both Theoretical and Experimental fields are covered.

Contact:

Carlos Granja

granja@mail.utef.cvut.cz

Doc. Ing. Carlos Granja, Ph.D.

IEAP CTU Prague

Institute of Experimental and Applied Physics

Czech Technical University in Prague,

www.utef.cvut.cz

mail.utef.cvut.cz/~granja/

3. Postdoctoral in Experimental Nuclear Science at Indiana U. Bloomington

A postdoctoral fellowship is presently available with the many-body nuclear dynamics group at Indiana University, Bloomington. The group is presently engaged in investigating nuclear reactions ranging from sub-Coulomb barrier energies to intermediate energies. The successful candidate will be expected to take a leading role in the analysis of existing data, as well as the planning and execution of upcoming experiments. Candidates are expected to have experience with modern nuclear instrumentation and data analysis techniques.

The Many-Body Nuclear Dynamics group is situated at the Center for the Exploration of Energy and Matter (CEEM) on the campus of Indiana University, Bloomington. Superb technical facilities on campus allow us to develop novel detectors and electronics that we then bring to bear on the research questions of interest. We utilize external accelerator facilities (GANIL, Michigan State, HRIBF, Texas A&M) to conduct experiments

with both stable and radioactive beams that probe near and sub-barrier fusion of neutron-rich light ions and the density dependence of the nuclear symmetry energy. More information about the group can be found at <http://nuchem.iucf.indiana.edu>.

Candidates are required to have a Ph.D. in nuclear science (chemistry or physics) or expect to defend their Ph.D. thesis in the near future. A competitive salary along with a benefits package will be offered. Interested candidates should send a cover letter, curriculum vitae, together with the names and contact information of two potential references to Prof. Romualdo de Souza at deSouza@indiana.edu. Review of applications will begin immediately and continue until the position is filled.

4. Staff position for a teaching and research support technician - John Carroll University

The Physics department of John Carroll University is seeking to fill a staff position for a teaching and research support technician. Duties include: support teaching laboratories and classroom demonstrations; teach introductory labs and train and supervise undergraduate teaching assistants; train students in safe and correct machine shop practice; use machine tools to construct equipment to support science faculty research or teaching; manage and maintain the physics department machine shop. Suitably qualified individuals may have other teaching opportunities. Screening of applications will begin December 6, 2010 and will continue until the position is filled. John Carroll University is committed to diversity in the workplace; we strongly encourage applications from women and minorities.

Qualifications: Master's or PhD degree in physics, engineering or related field preferred (Bachelors with extra experience will be considered). Skill with machining and safe machine shop practice. Ability to design and troubleshoot simple circuits. Computer skills sufficient to troubleshoot software or computer interface problems.

Requirements: Applicants should submit a letter of application, curriculum vitae, copies of transcripts, and two letters of recommendation, through the JCU web site: https://jcu.hua.mytalentlink.hrdpt.com/ats/job_search.php?view_all=1&clear=1

5. Faculty Position in Cosmology/Astroparticle Physics/Gravitational Waves

The Department of Physics at the University of Maryland (UMD) invites applications for a professorial position in theoretical physics in the areas of cosmology, dark energy, dark matter, high-energy astrophysics, astroparticle physics and gravitational waves. We are primarily interested in candidates at the non-tenured assistant professor rank, but we will consider applications for a tenured position in exceptional cases. A Ph.D. in physics or a physics-related discipline and independent research experience are required. As good teaching is a high priority of the Department, a potential for teaching excellence is necessary. The successful candidate will be part of the Joint Space-Science Institute (JSI) recently established between the Astronomy and Physics Departments at UMD and the NASA Goddard Space Flight Center located a few miles from the UMD campus. Information about the JSI can be found at <http://jsi.astro.umd.edu/>.

TO APPLY: Applications are accepted through <https://jobs.umd.edu/> (search for position number 116793). Required are (1) a cover letter, (2) CV, (3) statement of research interests and plans, (4) statement of teaching philosophy and (5) the names and email addresses of four reference writers. Requests for letters of reference will be generated UPON COMPLETION OF THE ONLINE APPLICATION. Candidates are thus advised to apply promptly. For full consideration all application materials and reference letters should be received by December 15, 2010.

6. Faculty Position in Particle Theory - U. Maryland

The Department of Physics at the University of Maryland invites applications for a tenure-track faculty position in Elementary Particle Theory at the level of Assistant Professor. A more senior level position may be considered for exceptional candidates. The particle theory faculty currently includes Kevork Abazajian, Kaustubh Agashe, Zackaria Chacko, S. Jim Gates, Oscar W. Greenberg, Rabindra Mohapatra and Raman Sundrum. The successful candidate should have a demonstrated ability to conduct independent research, strong communication skills and capacity for physics education, and potential for leadership within the particle theory community. We expect that the successful candidate will complement the existing experimental and theoretical strengths in the department.

The preferred starting date for the position is August of 2011. **QUALIFICATIONS:** A Ph.D. in physics or a physics-related discipline and independent research experience. As good teaching is a high priority of the Department, a potential for teaching excellence is necessary. **TO APPLY:** Applications are accepted through <https://jobs.umd.edu/> (sort for position number 116767). Required are (1) a cover letter, (2) CV, (3) statement of research interests and plans, (4) statement of teaching philosophy and (5) the names and email addresses of four reference writers. For best consideration, applications should be received by December 15, 2010. **THE UNIVERSITY OF MARYLAND IS AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER. MINORITIES AND WOMEN ARE ENCOURAGED TO APPLY.**

7. U.S. Department of Homeland Security (DHS) Scholarship Program

Supporting students interested in pursuing the basic science and technology innovations that can be applied to the U.S. Department of Homeland Security mission.

- * Undergraduate students
- * U.S. citizenship required
- * Funding available for fall 2011
- * Full tuition and monthly stipends
- * Includes 10-week summer internships at federal research facilities or DHS Centers of Excellence
- * Application Deadline: January 5, 2011

Complete information is available online at <http://www.orau.gov/dhsed/>.

8. Faculty Positions, AMO, NANO-SCIENCE and BIO-PHYSICS, Florida International U.

The Department of Physics at Florida International University invites applications for two faculty positions beginning in August 2011. One position is in experimental atomic, molecular, and optical physics, and a second position is in the experimental area of nano-science and/or molecular bio-physics. The rank of the positions is open and can be from tenure-track assistant professor up to tenured professor. We encourage applications from highly qualified researchers whose work will strengthen existing areas of research at Florida International University. The successful candidate is expected to conduct an independent research program, to have a strong commitment to teaching at both the undergraduate and graduate levels, to supervising graduate students and to attracting external funding. The FIU Department of Physics (www.fiu.edu/physics) has 22 faculty members in theoretical and experimental groups in astronomy, biophysics, condensed matter physics and nano-materials, nuclear-particle-lattice QCD physics, physics education research, and quantum optics.

Interested candidates with a Ph.D. in experimental AMO physics or experimental nano-science and/or molecular bio-physics with several years of research experience should send their *complete curriculum vitae including a summary of research interests and contact information of three references* to: Search Committee Chair, Dr. Yifu Zhu (for AMO Position) or Dr. Yesim Darici (for Nano-science/Molecular bio-physics position), Department of Physics, Florida International University, 11200 SW 8th Street, Miami, FL 33199. Application review will begin on January 15, 2011 and continue until the positions are filled.

FIU is a member of the State University System of Florida and is an Equal Opportunity, Equal Access Affirmative Action Employer.

9. Faculty Position in Experimental Condensed Matter Physics

The University of New Hampshire invites applications for a tenure-track faculty position in Experimental Condensed Matter Physics in the Department of Physics with a joint appointment in the Materials Science Program beginning Fall 2011. An appointment at the Assistant Professor level is anticipated but exceptional candidates at higher rank will be considered. Areas of particular interest include quantum phenomena in low dimensional systems. Candidates with outstanding academic credentials, a strong research record, and a commitment to teaching at the undergraduate and graduate level are encouraged to apply. Successful candidates will be expected to develop highly productive sponsored research programs within the condensed matter physics group and the UNH Materials Science Program, as well as the NSF-funded Nanoscale Science and Engineering Center.

Interested applicants should send a cover letter that addresses the expected rank of appointment and discusses how their research will complement existing programs at UNH. Please submit your application as a single PDF document in the following order – cover letter, curriculum vitae, research plans (4 page max.), and teaching statement – to phys.search10@unh.edu and arrange for three (3) letters of recommendation to be sent either electronically or to Chair, Physics–Materials Science Search Committee, Department of Physics, University of New Hampshire, Durham, NH 03824. Review of complete applications will commence on Dec. 6, 2010. Inquiries about the position should be addressed to Prof. Karsten Pohl at kpohl@unh.edu. For a more comprehensive job description visit <https://jobs.usnh.edu>.

10. Summer 2011 Internships at NSF for Students

Science policy-focused opportunities are available through the Quality Education for Minorities (QEM) Network in Washington, DC, for undergraduate and graduate students who are majoring in a science, technology, engineering, or mathematics (STEM) field. The ten-week (May 31–August 5, 2011) internship opportunities are made possible through a grant to the QEM Network from the Office of Integrative Activities (OIA), NSF.

The NSF internship will provide round-trip airfare, assistance with local transportation costs, summer housing on a local college campus, and a stipend (\$3,000 for undergraduate students and \$4,000 for graduate students), payable in three installments. In addition to the ten-week summer internship, interns will be strongly encouraged to implement science-oriented outreach activities during the academic year when they return to their home institutions to continue their studies. These activities

would focus on pre-college students residing, or attending school, in neighboring communities.

To be eligible for science internships at NSF, an applicant must be a citizen or national of the United States and must be a rising junior or senior, or a graduate student, currently enrolled in a science or engineering degree program at a minority-serving institution or at a non-minority institution with a track record in producing science and/or engineering graduates from underrepresented groups. Other eligibility requirements are listed in the application packet.

During the internship, following a one-week orientation at QEM, science student interns will be mentored by NSF program officers who are involved in implementing science policies and in managing/directing programs focused on science, technology, engineering, and mathematics (STEM). The interns will have opportunities to further develop their research, communications (oral and written), and other professional skills as well as to become a part of a peer network that includes students from across the country who are serving as summer interns in other QEM or NSF internship programs. Interns will be expected to prepare, and discuss with their mentors, individual development plans (IDPs); conduct a research project under the guidance of their mentors; submit mid-term and final written reports to QEM; and make several oral presentations throughout the summer.

We would appreciate your downloading and posting the flyer on your departmental bulletin board to further ensure that students are aware of this career development opportunity. Please distribute the application packet to eligible students and feel free to duplicate as needed. On-line copies of the application are available for download at <http://gemnetwork.gem.org/internship.htm>, along with additional Program information. **The application deadline is Friday, January 28, 2011.** Early applications are strongly encouraged.

The internship is a wonderful educational opportunity and we would greatly appreciate your encouraging students you believe could benefit from this experience to apply.

Contact:

Shirley M. McBay, President
QEM Network
1818 N Street, NW, Suite 350
Washington, DC 20036
Tel. 202/659-1818 • Fax: 202/659-5408
URL: <http://gemnetwork.gem.org>

11. Graduate studies in Astrophysics- The Rochester Institute of Technology

The Rochester Institute of Technology MS/PhD program in Astrophysical Science and Technology (AST) invites applications from students interested in pursuing their graduate studies with us. The AST program offers the chance to work with experts in the field of observational and theoretical astrophysics, detector design, and numerical relativity. You can find information about our program at <http://www.rit.edu/cos/astrophysics/> The application deadline is 15 January, 2011. Questions can be sent to astroinfo@astro.rit.edu.
Contact: Chris O'Dea, cposps@rit.edu

12. 2011 Summer REU Program, Astronomy Dept., Cornell University

The Department of Astronomy of Cornell University is pleased to announce that pending

funding from the National Research Foundation, it will conduct its 2011 summer Research Experiences for Undergraduates (REU) program. The following web page contains more information and a link to the application form:

<http://astro.cornell.edu/specialprograms/reu/index.html>

Please forward this message as appropriate and post the attached flyer on bulletin boards and other high-traffic student areas.

Contact:

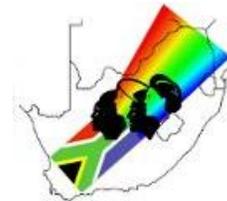
Patricia Fernández de Castro, Ph. D.
REU Program Coordinator
510 Space Sciences Building
Cornell University
Ithaca, NY 14853-6801
Phone: 607/255-0288

Jorge A. LópezSchumaker Professor
Physics Dept., UTEP
915-747-7528



The 4th IUPAP International Conference on Women in Physics

**UNITED STATES DELEGATION TO
THE
4TH IUPAP INTERNATIONAL
CONFERENCE ON
WOMEN IN PHYSICS
5-8 APRIL 2011**



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