

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 16

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NSHP Endorsed conference: Latin-American Workshop on High Energy Physics "Particles and Strings" Havana, Cuba, 16-21 July 2012

The conference will bring together scientist from Europe, USA and Latin-American countries with the purpose of developing new scientific links and collaborations between the various physics communities. Details on the conference, including the list of topics, organizers and scientific board, below in this message and on the conference webpage: <http://dftuz.unizar.es/whepcuba2012/>. To participate please send an email to: hepcuba@unizar.es to arrange the scientific program of the conference.

US participants. US citizens and can legally attend professional meetings in Cuba. A license from the State Department is required. We are working to obtain a General License for this meeting in which case you would have to do no additional work. If we are not successful, then each attendee will have to obtain a Special License. Please, in addition to informing the conference organizers also inform NSHP Executive Secretary David Ernst, david.j.ernst@vanderbilt.edu to receive guidance on obtaining a license and on arranging travel plans.

News you can use

Time to Invent Club: Volunteers Needed



Innovation and invention are cornerstones of American society, but not all young people have role models to open doors in science, technology, engineering and math (STEM). To help meet this need, WGBH (Boston's PBS station) and the Lemelson Foundation launched an exciting invention-based mentoring program called the *Time to Invent Club* in 2009. The program places STEM professionals and college students in afterschool sites once a week to co-lead an hour-long program. We are currently looking for volunteers to serve as mentors for an 8-10 week program beginning in February 2012 at afterschool sites in Massachusetts, Oregon, and Indiana. For information: www.timetoinvent.org, Liza Goldstein: liza_goldstein@wgbh.org or (617)-300-3642

Physics REU, U. Washington Seattle

The program provides an exciting and nurturing research experience for students to encourage them to pursue careers as research scientists. Each student is paired with a faculty advisor, postdocs and advanced graduate students. The 10-week research program includes in most cases a machine shop course, and short talks on their research accomplishments and draft summary reports on their projects. The program provides an stipend of \$4280, campus housing, meals, and a travel supplement of up to \$500. Please direct general inquiries to: uwreu@phys.washington.edu.

University of Minnesota Duluth, Assistant Professor, Theoretical Physics

A Ph.D. in Physics or closely related, research experience in theoretical or computational physics (including HEP phenomenology), and demonstrated potential to teach to a diverse group of students at the undergraduate and graduate levels, including ability in written communication are required. Some postdoctoral research experience in these same areas and college-level teaching experience in physics beyond conventional TA duties are desired. Arrange for three letters of reference to be sent directly to Prof. Alec Habig, UMD Physics Dept., 1023 University Dr., Duluth, MN 55812 (ahabig@umn.edu), and apply online at <http://employment.umn.edu/applicants/Central?quickFind=99584>, review will begin on February 15, 2012.

Astronomy REU at Cornell U.

The Department of Astronomy of Cornell University is pleased to announce that pending funding from the National Science Foundation, it will conduct its 2012 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>. Contact: Patricia Fernández de Castro, Ph. D., REU Program Coordinator, 510 Space Sciences Building, Cornell University, Ithaca, NY 14853-6801, Phone: 607/255-0288.

Physics REU at University of Notre Dame (REU@NDMMXII).

The program provides opportunities for Physics students to experience research first-hand, under direct supervision of faculty mentors. Research projects are available in the areas of astronomy and astrophysics, biophysics, cosmology, high-energy physics, high-temperature superconductivity, nuclear physics, physics education, and semiconductor physics. The 2012 program will begin on May 27th and will run for 10 weeks. Selected students will receive a \$4,600 stipend, free campus accommodation, and round-trip travel to Notre Dame. The application deadline for REU@NDMMXII is February 17, 2012. For more information contact Ms. Heather Christensen at hchrist1@nd.edu, <http://physics.nd.edu/research/reu/>. We especially welcome applications from women and students from minority groups.

Summer internship program, Directed Energy and Space Vehicles Directorates, Kirtland AFB, NM.

Scientists and engineers at AFRL's Directed Energy and Space Vehicles Directorates are engaged in challenging and cutting-edge research in a variety of disciplines. Three internship opportunities exist: the Space Scholars, the Directed Energy Scholars, and the Phillips Scholars Programs. The Space Scholars and Directed Energy programs invite Master's through Ph.D. students to apply. The Phillips Scholars program is open all college undergraduate students and to a limited number of high school students. AFRL's internship programs are designed to provide a close interaction between scholars and AFRL researchers in one of several research areas of interest. Scholars will have the unique opportunity to participate in stimulating research efforts that are directly contributing to our Nation's defense, while at the same time developing skills and contacts that will be of great utility when they join the professional workforce. We are now accepting applications from all students in the categories mentioned above who are U.S. Citizens and plan to continue their education in the Fall of 2012. For more information: <http://prs.afrl.kirtland.af.mil/Scholars/>.

The Department of Physics at Florida International University invites applications for position of Instructor to begin Fall of 2012. A PhD in Physics, Astronomy or related area is required. Candidates should have experience teaching introductory physics and astronomy courses and have excellent teaching, organizational, and supervisory skills. The successful candidate will teach large lecture sections, along with planning, coordinating, and providing oversight of laboratory sections taught by graduate teaching assistants. Applications should be sent to Dr. Bernard Gerstman, Chair, Department of Physics, Florida International University, Miami, FL 33199 or by e-mail to gerstman@fiu.edu. Please include a vita, contact information for three potential references, and a letter describing teaching philosophy. Review of applications will begin on January 9, 2012 and continue until the position is filled. For more information about the Department, visit our website: <http://physics.fiu.edu/>.

Columbia University Faculty Position, Theoretical High Energy Physics

The Department of Physics is seeking to make a senior appointment at the rank of full professor in theoretical high energy physics (broadly interpreted). We encourage applications from candidates with an outstanding record of research who can take a leadership role in a premier program, continuing a long Columbia record of forefront accomplishments in theoretical physics. Candidates are expected to have a doctoral degree in physics or a related field, and to have a demonstrated record of major contributions to the field, along with excellence in teaching and mentoring at both the undergraduate and graduate levels. Candidates should submit with their application a cover letter, CV, and research plans and teaching philosophy. For further information: <https://academicjobs.columbia.edu/applicants/Central?quickFind=55743>.

Research Associate, Cornell Experimental Particle Physics Group

The Laboratory for Elementary-Particle Physics has 2 openings for Research Associates to work on the CMS experiment at the LHC. The group is involved in both data analysis and experimental infrastructure. A PhD in experimental high energy physics is required. Applications should be submitted at <http://academicjobsonline.org/> (posting number 1377). All materials must be received by Feb. 15th, 2012.

The Hispanic Physicist. Published whenever there is news and the editor has enough time. Send news, letters, congratulations, etc. to Jorge A. López, Physics Department, Univ. Texas at El Paso, 500 W. University Ave., El Paso, TX 79968, (915) 747-7528, jorgelopez@utep.edu, <http://hispanicphysicists.org>.