

Subject: NSHP News: Aug 19, 2010

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. Faculty Position, Condensed Matter Theory, University of California, Los Angeles**
- 2. Postdoctoral Research Associate, MIT Pappalardo Fellowships in Physics**
- 3. NSHP mentioned in Reports:**
- 4. Nominate your friends for an APS committee**
- 5. Essential Cosmology School, January 10-14, 2011 in Puerto Vallarta, Mexico**
- 6. Postdoc position in nuclear theory/Astrophysics, Texas A&M University-Commerce**
- 7. Denison University, Assistant Professor of Physics**
- 8. Tenure-Track Assistant Professor Lewis & Clark College**
- 9. The Associate Director for Experimental Nuclear Physics**
- 10. Positions of Research Professor or Associate Professor in Nuclear Physics**
- 11. Program Director/Officer for STEM Education**
- 12. Research Associate, Physics Education, Kansas State University**

- 1. Faculty Position, Condensed Matter Theory, University of California, Los Angeles**

The Department of Physics and Astronomy at the University of California, Los Angeles invites applications for a tenure track, assistant professor position in theoretical condensed matter physics with an anticipated starting date of July 1,

2011. The department is seeking outstanding candidates with the potential for exceptional research in hard condensed matter physics and excellence in teaching. The UCLA Department of Physics and Astronomy has very active research programs that span the range of condensed matter physics. Applicants should submit a curriculum vita, a statement of research interests, and a list of publications, and arrange to have at least three letters of recommendation sent to:

Office of the Chair
Attn: Condensed Matter Theory Search
UCLA Department of Physics and Astronomy
475 Portola Plaza, Rm. 2-707 PAB
Box 951547
Los Angeles, CA 90095-1547

The deadline is November 30, 2010. However, the search will remain open until the position is filled. Please refer to Tracking #1000-1011-01 in all correspondence.

The Department has a strong commitment to the achievement of excellence and diversity among its faculty and staff. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

2. Postdoctoral Research Associate, MIT Pappalardo Fellowships in Physics

The Executive Committee of the MIT Pappalardo Fellowships in Physics invites faculty and senior researchers within physics, astronomy or related fields to submit nominations for the 2011-2014 Pappalardo Fellowships competition.

Nominees must be young men or women of exceptional ability who currently have or will have received a doctoral degree in physics, astronomy, or related fields by September 1, 2011.

Nominations do **not** require a letter of recommendation, and are submitted on-line at:
<http://web.mit.edu/physics/research/pappalardo/competition.html>

The nomination deadline is FRIDAY, SEPTEMBER 10, 2010.

Please Note:

- (1) Candidates for the MIT Pappalardo Fellowships competition must be nominated by a faculty member or senior researcher within physics, astronomy or related fields. Self-nominations are not accepted.
- (2) Current MIT graduate students and postdoctoral researchers, or those who have already received an offer for a postdoctoral position from an MIT faculty member, will only be considered under exceptional circumstances.

For additional details on the MIT Pappalardo Fellowships, please visit the program's web page at:
<http://web.mit.edu/physics/research/pappalardo/index.html>

Thank you for your participation in the 2011-2014 MIT Pappalardo Fellowships in Physics competition. If you've any questions, please contact the program's administrator, Ms. Carol Breen, at breen@mit.edu.

3. NSHP mentioned in Reports:

Increasing the Number of Underrepresented Minorities in Astronomy at the Undergraduate, Graduate, and Postdoctoral Levels (Paper I), http://csma.aas.org/Norman_minoritypaperI_DEM_EPO.pdf

Increasing the Number of Underrepresented Minorities in Astronomy Through K-12 Education and Public Outreach (Paper II), http://csma.aas.org/Norman_minoritypaperII_DEM_EPO.pdf

4. Nominate your friends for an APS committee

The APS committees listed below play a major role in guiding the Society's activities. At the end of each year, about a third of the members of these committees finish their terms and the APS Committee on Committees seeks nominations for their replacements.

I am writing to urge you to nominate APS members who in your opinion have the necessary expertise and interest. Please also feel free to nominate yourself if you have an interest and strengths in these particular areas.

Publications Oversight Committee
Careers & Professional Development
Constitution & Bylaws
Fellowship
Membership
Education
Minorities in Physics
Meetings
Status of Women in Physics
Investment
Physics Policy Committee
International Freedom of Scientists
International Scientific Affairs
Historical Sites Committee

Committee on Informing the Public

Please send your nominations to the Committee on Committees by using the online form at

<http://www.aps.org/about/governance/committees/nominations.cfm>

It is vital that you provide as much information as you can about the person you are nominating, particularly your statement regarding what strengths this person has that will be valuable to the committee.

If you prefer not to use the web form, you may instead send an email message to Ken

Cole, governance@aps.org identifying the person you are nominating, providing background on the individual and stating why you feel the nominee is particularly well suited for the position.

Nominations should be submitted by September 3. The Committee on Committees will meet later in September to select a set of candidates to recommend to the APS President-elect, who makes the official appointments.

We very much appreciate your help with this important part of ongoing APS activities.

Kate Kirby
Executive Officer
American Physical Society

5. Essential Cosmology School, January 10-14, 2011 in Puerto Vallarta, Mexico

The Berkeley Center for Cosmological Physics and the Instituto Avanzado de Cosmologia, Mexico will be holding our 3rd annual winter school on cosmology on January 10-14, 2011 in Puerto Vallarta, Mexico and I wanted to ask your help in communicating this opportunity to students and postdocs. We are interested in having a widely diverse group of participants, and I hope you can use your contacts as officers of the National Society of Hispanic Physicists to help.

The meeting is a combination of winter school and cutting edge research conference, with lecture mini-courses, "hot topic" plenary talks, and discussion sessions. It is focused on 3rd year and above graduate students and postdocs in cosmology. You can see previous editions at http://bccp.lbl.gov/beach_program/index2010.html

If you are willing to communicate this opportunity to the NSHP membership, I can send you a brief announcement of the meeting, suitable for emailing or posting on a website.

Eric V. Linder
Deputy Director, Berkeley Center for Cosmological Physics
University of California, Berkeley
Director, Institute for Nuclear and Particle Astrophysics,
Lawrence Berkeley National Laboratory

6. Postdoc position in nuclear theory/Astrophysics, Texas A&M University-Commerce

The successful candidate will collaborate mainly with Dr. Bao-An Li on projects relevant for understanding nuclear reactions induced by rare isotopes, equation of state especially the symmetry energy of dense neutron-rich

nuclear matter and its impact on astrophysics and cosmology. The initial appointment is for one year starting around Sept.1, 2010 with the possibility of renewal for another year.

The nuclear theory/astrophysics group at Texas A&M University-Commerce currently consists of 2 professors, 1 interim assistant professor, 3 postdocs and several graduate and undergraduate students. Founded in 1889, Texas A&M University-Commerce currently has an academic enrollment of about 10,000 including approximately 4,200 graduate students. It is located approximately 60 miles Northeast of Dallas (<http://www7.tamu-commerce.edu/physics/dallas.pdf>).

Interested candidates should send me an email including his/her CV, a statement of research interest and the contact information of 3 references.

Thanks a lot for bringing this position to the attention of potential candidates Bao-An Li

Dr. Bao-An Li, Head and Professor
Department of Physics and Astronomy
Texas A&M University-Commerce
P.O.Box 3011, Commerce, TX 75429-3011
Office: (903) 886-5478, Fax: (903) 886-5480
<http://www.tamu-commerce.edu/physics/>

7. Denison University, Assistant Professor of Physics

The Denison University Department of Physics and Astronomy invites applications for a tenure track assistant professor preferably starting Fall 2011, although a later start may be considered under exceptional circumstances. Ph.D. required. We are seeking candidates with outstanding potential as teachers of physics at both the beginning and advanced levels, including laboratory-based

courses. The successful applicant is expected to carry out a professional research program with the involvement of undergraduates. Substantial start-up funds for research will be available, and Denison supports generous professional and family leave programs. Denison University is a highly-selective liberal arts college of 2100 students, located in Granville, Ohio, 30 minutes from Columbus. The department consists of seven faculty, a technical assistant, and an administrative assistant. Facilities include excellent equipment for both teaching and research, first class on-site experimental labs, a link to the Ohio Supercomputer, an observatory, a planetarium, and a well-equipped machine shop. Additional information may be obtained from our web site at <http://www.denison.edu/physics/>. Applicants should submit vita, transcripts, a description of teaching interests and experience, a proposed research plan including the means for involving undergraduates, and three (3) letters of reference online at <https://employment.denison.edu>.

Applications received by October 15, 2010 will receive full consideration; applications may be accepted until the position is filled. Denison University is an Affirmative Action, Equal Opportunity Employer. To achieve our mission as a liberal arts college, we continually strive to foster a diverse campus community, which recognizes the value of all persons regardless of religion, race, ethnicity, gender, sexual orientation, disability, or socio-economic background.

8. Tenure-Track Assistant Professor Lewis & Clark College

Assistant Professor of Physics: The LEWIS & CLARK COLLEGE Department of Physics invites applications for a tenure-track assistant professorship beginning Fall 2011.

Preferred teaching fields include introductory through advanced undergraduate physics. We seek a hands-on experimentalist who can effectively involve undergraduate students in research and attract external funding. Preferred research fields include, but are not limited to, experimental condensed matter physics, or atomic, molecular, and optical physics. Ph.D. or terminal degree in physics required at the time of appointment as a tenure-track member of the faculty. Postdoctoral experience required. Potential for excellent teaching and research at an undergraduate institution are essential. Usual load is five courses per academic year and may include regular participation in the College's general education program. Review of applications will begin on October 15, 2010 and continue until the position is filled.

A complete application must include (1) a curriculum vita; (2) a letter of application which includes a statement of educational philosophy, teaching experience, and research interests; (3) evidence of teaching effectiveness; (4) sample of scholarship; (5) three letters of recommendation sent under separate cover and (6) graduate transcripts. Send (hard copy only) to: Physics Department Search, MSC 15, Lewis & Clark College, 0615 SW Palatine Hill Road, Portland, OR 97219. Lewis & Clark, a private liberal arts college with 1,800 undergraduates, is an Equal Opportunity employer that welcomes and encourages applications from women and minority candidates. For more information, visit www.lclark.edu/college/departments/physics

9. The Associate Director for Experimental Nuclear Physics

The Associate Director for Experimental Nuclear Physics is responsible for the execution of the experimental nuclear physics program of the laboratory. Responsibilities include the management of the Experimental Physics Division of approximately 140 staff including 85 scientists and engineers. The primary nuclear physics facility is the Continuous Electron Beam Accelerator Facility currently operating at 6 GeV and being upgraded to 12 GeV. The laboratory has an international user community numbering approximately 1300 physicists. Working in concert with other members of management, the Associate Director participates in strategic planning, policy formation, budgeting, and science initiatives. The Associate Director represents the laboratory with government agencies, the international physics community, other laboratories, universities, as well as stakeholders. The Associate Director brings a vision for the future evolution of the different components of the nuclear physics program of the laboratory and the ability to nurture the efforts of a major part of the laboratory to set a tone and direction which will ensure excellence on the world scale. The Associate Director manages the Physics Division, which has primary responsibility for the design, construction, commissioning, and operation of the CEBAF experimental facilities in Halls A, B, C, and D. The incumbent assumes primary responsibility for providing the support infrastructure necessary for assuring a user friendly atmosphere for the external experimental groups. Additionally, the Associate Director is responsible for ensuring environmentally safe operations of experimental facilities and maintaining a positive ESH&Q culture.

Experience

The successful candidate will be a distinguished scientist with a proven record of physics research leadership and

publication in nuclear physics or a related field. The candidate will possess the knowledge and ability to bring a vision for the future evolution of the different components of the nuclear physics program and the ability to nurture the efforts of a major research organization that ensures excellences on an international scale. Demonstrated leadership, communication skills and ability to manage resources, personnel, and technical knowledge relevant to accelerator-based experimental nuclear physics are requisite skills for success. The candidate will also have proven negotiation and interpersonal skills to develop and maintain excellent relations with internal and external stakeholders to assure continued support for the research program.

Skills

A Ph.D. and substantial history of relevant experience in Nuclear Physics or related field, including increasing responsibility in nuclear physics research projects are required. The candidate will have an outstanding research/publication record in accelerator-based experimental nuclear physics or related field with experience managing large research operations and support staff. Experience managing in a government funded research environment is a plus.

For more information contact Cassandra Andrews,
candrews@jlab.org

10. Positions of Research Professor or Associate

Professor in Nuclear Physics Beihang University in Beijing opens three positions for research professor or associate professor in new Experimental Nuclear Physics group led by Isao Tanihata. The research of the group will cover the nuclear structure, cosmonuclear

physics, ultra-cold neutron and some other related nuclear science. Beihang university also plan to establish the Asian Center for Nuclear Science (ACNS) and plan to be a Hub of nuclear physics in China and Asia.

Persons who have experience in experimental nuclear physics, high-energy physics, or radiation science are encouraged to apply for this new opportunity in Beijing.

The application should include the following documents; 1. A curriculum vitae 2. A list of the publications 3. Abstracts and explanations of your contribution to the selected three publications 4. Research plan or interests 5. Three reference letters Documents should be written in English. Application should be mailed to Professor Isao Tanihata School of Physics and Nuclear Energy Engineering Beihang University Beijing 100191, China or send the pdf file documents to both of the following both addresses as e-mail attachment: tanihata@buaa.edu.cn tanihata@rcnp.osaka-u.ac.jp Dead line of the application is 8. 31. 2010

11. Program Director/Officer for STEM Education

The Alfred P. Sloan Foundation seeks a bright, highly motivated and well-organized individual with at least 7-10 years of experience for the position of Program Director (or possibly Program Officer) to manage its programs in STEM (science, technology, engineering and mathematics) education, including its highly-regarded underrepresented minorities Master's and Ph.D. programs. Additional programs will also be assigned to the position depending on the successful candidate's background and interests.

The Program Director/Officer serves as the Foundation's key manager of grantee relationships for the assigned program(s), developing and managing a strong portfolio of grants that, taken together over time, achieve a significant

impact. The position shapes this and other assigned program areas and stays abreast of developments and emerging trends in relevant fields. The position initiates collaborations and cooperates with other Program Directors in areas of overlapping interest; and participates in the development of overall Foundation strategy and other Program Directors' strategies. The Program Director position reports directly to the President, Alfred P. Sloan Foundation.

The Program Director/Officer is responsible for developing program strategy and proposal ideas, and effectively managing the processes of inquiry response, proposal review, grant approval, ongoing grants management and monitoring, and program evaluation. In day-to-day operations, the position works closely with other Program Directors and Vice Presidents, Programs; the Director of Grants Management; the Vice President, Human Resources and Program Management; and the Vice President, Finance and Board Secretary.

The Program Director/Officer directly manages one or two (often shared) administrative staff positions (generally an Administrative or Program Assistant, and/or Program Associate), guiding, managing, and evaluating all aspects of the work performed by these positions.

Organization: The Alfred P. Sloan Foundation, a philanthropic nonprofit founded in 1934, makes grants to support research and education in science, technology, economic performance and the quality of American life. As of December 31, 2009 the Foundation's endowment was \$1.6 billion.

Qualifications: The Program Director/Officer position for STEM education requires interest and expertise in this topic,

including increasing opportunities for women and underrepresented minorities, primarily at the graduate (M.S. and Ph.D.) level; and improving the retention rates and shortening time-to-degree for all students in STEM fields at the undergraduate and graduate levels. The successful candidate will also have broad interest in other Foundation programs. The position requires a minimum of 7-10 years experience in the non-profit, public or private sector, preferably in multiple, challenging assignments or in interdisciplinary scholarship; a Ph.D. or equivalent degree in science, mathematics, statistics, economics, social science, engineering, and/or education; and a strong record of achievement and relevant experience. Breadth of knowledge, experience, and interests are important attributes for a successful Program Director/Officer at the Foundation.

The Program Director/Officer position requires a high level of intellectual, analytic, problem-solving, leadership, entrepreneurial and management ability. The position requires sound judgment and integrity and the ability to objectively analyze novel situations based on available information, formulate and evaluate possible courses of action, and to respond or offer recommendations in an appropriate and decisive manner. The successful candidate must have the ability to work effectively in a small, collaborative, and semi-structured environment with other Program Directors having a wide range of educational backgrounds and experience, as well as with the Foundation's managerial and support staff.

The position requires superior organizational and quantitative skills as well as strong oral, written, and interpersonal communication skills. The position also

requires good project, budget, and time management skills. The position requires proficiency in Microsoft Office 2007 (Outlook, Word, PowerPoint and Excel), Adobe Acrobat Professional, and the ability and willingness to learn additional applications and systems in use at the Foundation, such as the Gifts database software, Google Scholar and ISI/Web of Science.

Compensation: This is an exempt position. The Alfred P. Sloan Foundation offers competitive compensation and benefits

12. Research Associate, Physics Education, Kansas State University

The Physics Education Research Group at Kansas State University seek a post- doctoral research associate to focus on research on problem solving, transfer of learning, and appropriate use of technology in learning. The research associate will conduct qualitative and quantitative research on student learning and problem solving, and disseminate research at national meetings and in peer-reviewed articles.

A Ph.D. in physics or science education is required. Candidates who have completed a dissertation in qualitative or quantitative physics or science education research will be given preference. The Ph.D. must be completed by the date of appointment.

Application letter, curriculum vita and statements describing the candidate's relevant background, interests in physics or science education research and the relation of the position to the candidate's long-term goals should be sent directly to Kim Coy, Department of Physics, 116 Cardwell Hall, Kansas State University, Manhattan, KS 66506-2601. Candidates should also arrange for three letters of reference to be sent to the above address. Application materials may

also be submitted via email to kim@phys.ksu.edu.

Screening of candidates will begin on July 15, 2010 and will continue until the position is filled.

Kansas State University is an Affirmative Action/equal opportunity employer and actively seeks diversity among its employees.
Background checks required.

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