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To:

The Hispanic Physicist
The Newsletter of the National Society of Hispanic Physicists

Year 18

October 30, 2014

“Hispanic Physicists” Radio Series Now Available
Lola Productions and the University of Texas at El Paso (UTEP) will syndicate a series of radio programs about Hispanic research scientists. The series “Hispanic Physicists” will explore physics concepts such as cosmology, particle and nuclear physics, and materials science. Listeners will also learn how science impacts everyday life in the areas such of medicine and energy. And each program features prominent Hispanic scientists, who serve as role models for Hispanic parents and young students.
There are seven (7) Spanish-language and three (3) English-language programs in the series and they can be used by radio stations without any cost. This program was supported by a mini grant from APS. For more information see:
http://us9.campaign-archive.com/?u=bd7ae837c60ca7e194771387d&id=6439df2a028e=b8e220f348

Assistant Professor in Experimental Condensed Matter / Materials Physics
The Department of Physics at The University of Texas at El Paso (UTEP) invites applications for a tenure-track Assistant Professor position in experimental condensed matter / materials physics. Preferred research areas include nano- and meta-materials, nano-magnetism, low dimensional systems, and thin films. Outstanding candidates in other related areas will also be considered. The successful candidate is expected to establish an independent, externally funded research program that will complement and help expand the department’s experimental and computational research in materials science; to mentor students and teach both undergraduate and graduate courses in Physics; and to engage in outreach and service activities. Applicants should hold a Ph.D. in Physics or a closely related discipline, possess postdoctoral experience, and have a strong record of research accomplishments. To apply, send a letter of interest, curriculum vitae, statement of research interests, description of teaching philosophy, and contact information for at least three references electronically as a single PDF file to Dr. Ramon Ravelo, Search Committee Chair, with the subject line: UTEP Physics Assistant Professor Search. Email: physicssearch_2014@utep.edu. Review of applications will begin immediately and will continue until the position is filled.

Faculty position - Cal State U Long beach
Qualifications: Ph.D. in Physics or a closely related field at the time of application, strong record of research in experimental physics including peer-reviewed publications, demonstrated potential for developing and sustaining an externally funded research program involving students leading to publications, demonstrated potential and commitment to excellence in teaching at both the undergraduate and graduate levels, demonstrated commitment to working successfully with a diverse student population
Preferred qualifications: Postdoctoral research experience, research focus compatible with, but not limited to current department research interests, significant record of publications at the forefront of experimental physics with clear contribution, prior teaching experience at the university level, evidence of obtaining extramural grants, experience or intent to engage undergraduate majors in research.
Duties: Teach courses at all levels, including lower division undergraduate physics and physical science courses, supervise research of both undergraduate and graduate students, and develop and sustain a research program involving students and leading to publications and external grants.
Applications, required documentation, and/or requests for information should be addressed to: Chue Hee Kwon, Chair, California State University, Long Beach, Department of Physics and Astronomy, 1250 Bellflower Boulevard, Long Beach, CA 90840-9505, PhysicsExperimentalist@cslb.edu. Application Deadline: Review of applications to begin November 3, 2014.

Postdoctoral Researcher opening at NIST
Postdoctoral Researcher Opening at NETL

Through the Oak Ridge Institute for Science and Education (ORISE) this posting seeks motivated, post-graduates (PhD) interested in working as part of Geologic-Environmental-Materials focus area with specific expertise and interest in materials research at NETL that pertains to Materials Performance in Deep Well Environments. NETL is a multidisciplinary, scientific and technical-oriented National Laboratory. NETL’s Office of Research and Development (ORD) conducts research to evaluate environmental impacts and risk assessments associated with domestic energy resource development. For more information, please visit http://www.ornl.gov/netl/open-projects/projects.html.

Stanford University Faculty Positions

1. High Energy Theoretical Particle Physics. The Department of Physics at Stanford University seeks applicants for a faculty position in the area of high energy theoretical particle physics at the tenure track Assistant Professor level. We are seeking applicants with broad expertise in theoretical particle physics and its connection to experiment — model building, phenomenology, as well as the emerging exploration of novel experimental techniques for probing fundamental physics. Applicants should exhibit the potential of running a world-recognized independent research program, and should show promise of becoming excellent teachers at the undergraduate and graduate levels. The term of appointment would begin on or around September 1, 2015. Applicants must send materials to the search committee through AcademicJobsOnline. Candidates should upload a cover letter, curriculum vitae, publication list, a research and teaching statement (three page combined maximum), and arrange to have three letters of reference submitted online at https://academicjobsonline.org/ajo/jobs/4573. Inquiries may be directed to J. Tice, Dept. of Physics, 382 Via Pueblo Mall, Stanford University, Stanford, CA 94305-4060, or to tice@stanford.edu. The due date for submission of all materials, including letters of reference, is December 1, 2014.

2. Experimental Condensed Matter Physics. The Department of Physics at Stanford University seeks applicants for a faculty position in the area of experimental condensed matter physics, broadly defined. We particularly encourage applicants at the tenure track Assistant Professor level, but are prepared to consider exceptional candidates at more senior levels: Associate Professor (tenured or tenure track), or Professor (tenured). Applicants should exhibit the potential (if tenure track) or a demonstrated track record (if tenured) of running a world-recognized independent research program, and should also possess good communication skills and a commitment to teaching and education. The term of appointment would begin on or around September 1, 2015. Applicants must send materials to the search committee through AcademicJobsOnline. Candidates should upload a cover letter, curriculum vitae, publication list, a research and teaching statement (three page combined maximum), and, at the Assistant Professor level, arrange to have three letters of reference submitted online at https://academicjobsonline.org/ajo/jobs/3396. Inquiries may be directed to J. Tice, Dept. of Physics, 382 Via Pueblo Mall, Stanford University, Stanford, CA 94305-4060, or to tice@stanford.edu. The due date for submission of all materials, including letters of reference, is December 1, 2014.

Tenure Track Position in Astronomy at Vassar College

The Department of Physics and Astronomy at Vassar College invites applications for a tenure-track position in Astronomy, at the rank of assistant professor, beginning fall semester 2015. Vassar College is an affirmative action, equal opportunity employer, and applications from members of historically underrepresented groups are especially encouraged. Vassar is strongly committed to fostering a community that reflects the values of a liberal arts education and to promoting an environment of equality, inclusion and respect for difference. Candidates should have a PhD in Astronomy or Physics or related discipline and a commitment to undergraduate education. The successful candidate will be expected to teach 4 courses in the first year and 5 courses thereafter; spanning all levels of the curriculum, typically 4 in astronomy and 1 in physics.

The position is open to any field of astronomy, and the candidate will be expected to develop and maintain a robust research program that can also engage undergraduate students. Ideally, the candidate will also direct student research at the Vassar Class of ’51 Observatory (32" 20" telescopes, CCD, spectrograph). The department currently consists of five physicists and two astronomers; their research specialties are detailed on the department homepage at http://physicsandastonomy.vassar.edu.

To apply, please visit https://employment.vassar.edu/applicants/Central?quickFind=51675 to link to the posting for this position. Candidates should upload a letter of application, Curriculum Vitae, a statement of teaching philosophy and teaching experience, a statement of research and experience, and should arrange for three letters of recommendation, which are also uploaded to that site. For inquiries, email Prof. Brian Daly, Chair, Department of Physics & Astronomy, bndaly@vassar.edu. Complete applications should be received by 1/15, 2015; later applications may be considered.

Assistant Professor - Department of Physics & Atmospheric Science, Dalhousie University

Dalhousie University invites candidates from outstanding candidates for a probationary tenure-track position at the rank of Assistant Professor in theoretical materials physics. This position is targeted towards a computational theorist, with a focus on one or more of quantum, functional, or soft materials; however, exceptional candidates who complement or extend the strengths of our department are encouraged to apply and will be seriously considered. We are a research-intensive department with strong ties to Industry. We are strong in materials science, biological physics, condensed matter physics, and atmospheric science.
Ideal applicants will have a Ph.D. in physics, postdoctoral or industrial experience, and will have demonstrated excellence in research and teaching. The successful candidate will enhance and complement the activities of the department, and will build a vigorous and well-funded research group. Further information about our department can be found at http://www.dal.ca/faculty/science/physics.html.

We hope to have the successful candidate in place by July 1, 2015; however, the start date is flexible/negotiable. To be fully considered, applications must be received by December 31, 2014 and will consist of a curriculum vitae, a list of publications, a research plan, a statement of teaching interests and experience, and at least three confidential letters of reference forwarded under separate cover by the referees, to: Chair, Theoretical Materials Physics Search Committee, Department of Physics and Atmospheric Science, Dalhousie University, PO Box 15000, 6310 Coburg Street, Room 218, Halifax, Nova Scotia, B3H 4R2, CANADA, or emailed to physics@dal.ca

Beam Physicist at The National Superconducting Cyclotron Laboratory at Michigan State University

The National Superconducting Cyclotron Laboratory (NSCL) at Michigan State University (MSU) is accepting applications for immediate review for a beam physicist position within the Operations Department. The successful candidate will be responsible for: planning, production, identification, and delivery of beams of rare isotopes to experiments set up by facility users; the operation of facility-supported experimental devices; working to support the launch of our own beam detector and maintenance and development of data analysis and data acquisition tools. Opportunities for research will be available. A doctorate in experimental nuclear science is required, as well as at least three years of experience in the field of experimental nuclear science and the ability to work with exported controlled items.

More information and instructions on how to apply for this position can be found here: http://www.nscl.msu.edu/ourlab/employment/1646. You can also contact Thomas Baumann (baumann@nscl.msu.edu) for any questions.

Faculty Positions in Physics – University of California, Berkeley

The Physics Department of the University of California, Berkeley invites applications for the following faculty positions with an expected start date of July 1, 2015:

- A tenure-track or tenured position at the Assistant, Associate or Full professor level in the area of Theoretical AMO Physics
- A tenure-track position at the Assistant professor level in the area of Experimental Astrophysics

A PhD, or equivalent, in Physics or a related discipline is required by the start date of the appointment. The minimum qualification required to be considered an applicant for these positions is the completion of all PhD or equivalent degree requirements except the dissertation. Preference will be given to scholars who have demonstrated excellence in research. The department is interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service. The successful candidate will be expected to teach undergraduate and graduate courses and have a strong commitment to teaching, mentoring, and service.

Completed applications must be received by October 31, 2014. All applicants must submit a curriculum vitae in order to apply. Applicants at the ASSISTANT PROFESSOR level are required to submit a bibliography, a statement of research, a statement of teaching philosophy, and a minimum of three letters of recommendation. Inclusion of a cover letter is optional. Early application is recommended, but all individuals who apply by the final date will receive full consideration. Applicants may contact Brian Underwood at brianu@berkeley.edu with any questions regarding this recruitment.

To apply for the Theoretical AMO Physics position, please go to the following link:
https://aprecruit.berkeley.edu/apply/ PF00519.

To apply for the Experimental Astrophysics position, please go to the following link:
https://aprecruit.berkeley.edu/apply/ PF00512.

Tenure Track Faculty Position in Experimental Subatomic Physics - Colorado School of Mines

The Department of Physics at the Colorado School of Mines invites applications for a tenure-track Assistant Professor position in experimental subatomic physics beginning in the Fall 2015 semester. Appointment at a more senior level might be considered for exceptional candidates. The subatomic group is currently involved in experimental low-energy nuclear physics (structure, astrophysics and applications) and in high-energy cosmic-ray physics (Auger, EUSO). The successful candidate will be expected to develop a vigorous research program in areas strengthening or complementing our current research efforts. The successful candidate will also be expected to develop and teach physics courses that support and expand the existing departmental and campus curricula in physics. Candidates must have earned a doctoral degree in physics or a related field and have postdoctoral or equivalent experience beyond the Ph.D. For inquiries regarding the position, please contact the chair of the search committee: Prof. Fred Sarad, sarad@mines.edu. For additional information about the department and Colorado School of Mines, as well as for instructions on how to apply, visit: http://insidemines.edu/HR-Academic-Faculty.

Faculty Position at Princeton University, Department of Astrophysical Sciences
Princeton University is searching for a tenure-track Assistant Professor in the Department of Astrophysical Sciences, to begin in September 2015. The primary selection criteria will be achievement, promise and breadth in astrophysics research, as well as the ability to teach a broad range of courses and to supervise undergraduate and graduate student research projects. While the initial focus of this search is for a theorist, especially in cosmology and extragalactic astrophysics, outstanding candidates in all fields of astrophysics are encouraged to apply for the position.

Information on departmental resources and research programs can be found at http://www.princeton.edu/astro, or by directly contacting departmental faculty.

Applicants should apply via the web at: http://jobs.princeton.edu (Requisition Number 1400520). The application should consist of a curriculum vitae, a bibliography, and a description of past research, future plans and teaching interests. Letters of recommendation will also be handled through this site. Applications will be accepted until the position is filled. Review of applications will start on November 15, 2014.

Postdoc Positions at Princeton University, Department of Astrophysical Sciences

The Department of Astrophysical Sciences, Princeton University, anticipates offering a number of postdoctoral or more senior research positions in theory, observation and instrumentation, including (but not limited to): the Lyman Spitzer, Jr. postdoctoral fellowship in Astrophysics, the Joint Postdoctoral Fellowship with Carnegie Observatories and Princeton University, and positions in software development and in science with the Subaru Hyper Suprime-Cam survey. We encourage applications from those working in all areas of astronomy and related fields. Princeton astronomers with whom the successful applicants may collaborate include: Natalie Bahcall (cosmology, large-scale structure), Gaspár Bakos (extrasolar planets, the variable sky, instrumentation), David Bowen (UV astronomy, galaxies), Adam Burrows (supernova, planetary, and stellar theory), Renjie Chen (cosmological simulations), Christopher Chiba (astrophysics and solar system), Bruce Drake (interstellar medium), Jeremy Goodman (protostellar and quasar discs, theoretical astrophysics), J. Richard Gott (cosmology, general relativity), Jenny Greene (extragalactic astronomy), James Gunn (galaxies, instrumentation), Ed Jenkins (UV astronomy, interstellar medium), Russell Kulsrud (plasma astrophysics), Jill Knapp (interstellar medium, radio astronomy), Robert Lupton (image processing, astronomical surveys), Eve Ostriker (interstellar medium, star formation), Jeremiah P. Ostriker (galaxies, cosmology), Roman Rafikov (planet formation and dynamics), David Spiegel (cosmology, extrasolar planets), Anatoly Spitkovsky (neutron stars, high-energy astrophysics), James Stone (MHD, star formation), Michael Strauss (extragalactic astronomy, surveys), Scott Tremaine (galactic structure, planetary dynamics), and Ed Turner (extrasolar planets, astrophysics), as well as about 30 postdoctoral fellows and associate research scholars. There are also strong research groups with interests in Astrophysics at the Princeton Plasma Physics Lab and in the Physics, Geosciences, and Mechanical and Aerospace Engineering Departments, and at the nearby Institute for Advanced Study. Appointments are for one year, renewable annually based on satisfactory performance, for a total of up to three years. The expected starting date is September 1, 2015, though earlier starting dates can be accommodated and are not discouraged.

For details see http://www.princeton.edu/astro/resources/job/jo/index.xml. Applicants should hold a Ph.D. degree at the time of appointment, and must apply via the web at: http://jobs.princeton.edu (Requisition Number: 1400574). The application should include curriculum vitae, bibliography, a description of past research and future plans, and contact information for three references. Direct questions to postdoc15@astro.princeton.edu. All applications received by November 15, 2014 will be fully considered; but applications will continue to be accepted until the positions are filled.

Software position at Princeton University, Department of Astrophysical Sciences

The Department of Astrophysical Sciences, Princeton University, has several open positions for work on the Large Synoptic Survey Telescope (LSST) project, and also expects to have one or more positions in the general area of software development and support for the LSST's software, reduction, analysis, and testing of photometric and spectroscopic data from very large surveys. The successful applicant will work with a group including Drs. Robert Lupton, Michael Strauss, Jim Gunn, Jenny Greene and David Spiegel on LSST and/or a variety of other projects in which the department is involved. The expected starting date is September 1, 2015, though earlier starting dates can be accommodated and are especially encouraged for the LSST positions.

Strauss and Lupton are heavily involved in scientific, management, and technical aspects of the LSST project which is building a dedicated 8.4-meter telescope to carry out a 20,000 square degree multi-band and multi-epoch imaging survey; Princeton is responsible for the multi-epoch deep imaging (“data release production”) portion of the LSST's software. In addition, the Department is collaborating with the National Astronomical Observatory of Japan to carry out deep, high-resolution, wide-area imaging surveys to study galaxy evolution and weak lensing with Hyper Suprime-Cam, a large-format camera on the Subaru 8.2 meter telescope on Mauna Kea, Hawaii. We are also part of a consortium building a wide-field multi-object (2390 fiber) spectograph to be placed at the Subaru Prime Focus. Finally, we are using the Atacama Cosmology Telescope to map the intensity and polarization of the Cosmic Microwave Background at a variety of frequencies (ACTPOL).

Software development and support for these projects will include work on algorithm development (e.g. the determination of Point Spread Functions; optimal processing of multi-epoch, multi-band data; and spectrophotometry with fiber spectrographs); design and implementation of application class libraries; and software engineering (examining software design and evolutionary trends, software maintenance, etc.).
the performance and scientific reliability of algorithms, as well as unit and regression testing of complex software systems.

We are seeking to make hires from as broad a pool of talent as possible, and endeavor to preserve the Astrophysical Sciences Department’s reputation as a pleasant workplace with a lively and friendly scientific atmosphere which recognizes that technical innovations are an important intellectual contribution to the science being produced by these surveys.

We seek candidates with a PhD or other advanced degree, and expertise in scientific computing. Applicants should have knowledge of optical or radio astronomy at faint levels, CCD or radio data, handling of large data sets, efficient automated data reduction, and/or image and spectroscopic analysis. Responsibilities include algorithm development and debugging; evaluating the scientific performance of pipeline code on real data; writing robust, efficient code (primarily on Unix platforms in python/C++); and running and maintaining pipeline code. Experience in C/C++, python, software engineering practices, and astronomical instrumentation is desirable. The appointment(s) will be made to the research or specialist staff at a level and salary commensurate with experience, for an initial period of one year which can be renewed for one or more years depending on satisfactory performance and availability of funding. The LSST positions are funded for the duration of construction (i.e. until 2022) and potentially beyond, and all positions may be extended indefinitely for the appropriate individuals.

Interested persons should send a curriculum vitae, bibliography, a statement of research interests, and provide contact information for three references via the web at: http://jobs.princeton.edu (Requisition Number: 1400579). Letters of recommendation will also be handled through this site. All applications received by October 1, 2014 will be fully considered, but applications will continue to be accepted until the position(s) are filled. This position is subject to the University’s background check policy. For further inquiries, contact postapp15@astro.princeton.edu. A listing of all available jobs in the department may be found at http://www.princeton.edu/astro/resources/job/ij/index.xml.

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**Postdoctoral Position - Science Analyses with Hyper Suprime-Cam**

The Department of Astrophysical Sciences, Princeton University, invites applications for a postdoctoral scientist to carry out extragalactic research using data from an on-going wide-angle imaging survey with the Hyper Suprime-Cam (HSC) on the Subaru Telescope. The successful applicant will work with a group including Drs. David Spiegel, Jenny Greene, Michael Strauss, Jim Gunn, and Robert Lupton on studies of gravitational weak lensing and galaxy evolution. The expected starting date is September 1, 2015.

The Department is collaborating with the National Astronomical Observatory of Japan to carry out deep, high-resolution, wide-area imaging surveys to study galaxy evolution and weak lensing with HSC, a large-format camera on the Subaru 8.2 meter telescope on Mauna Kea, Hawaii. We are also a part of a consortium to use the Atacama Cosmology Telescope to map the intensity and polarization of the Cosmic Microwave Background at a variety of frequencies (ACTPOL), and are interested in ways of combining HSC and ACTPOL data for cosmological analyses.

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The Department is also a member of the Large Synoptic Survey Telescope (LSST) consortium, which is building a dedicated 8.4-meter telescope to carry out a 20,000 square degree multi-band and multi-epoch imaging survey. HSC represents a precursor survey to LSST. The department is also part of a consortium building a wide-field multi-object (2400 fiber) spectrograph to be placed at the Subaru Prime Focus. HSC data will be used to select targets for this spectrograph.

We seek candidates with a PhD in astrophysics or a related field, and strong interest in using deep multi-band galaxy imaging data to study questions of cosmology or galaxy evolution.

Interested persons should send a curriculum vitae, bibliography, a statement of research interests, and provide contact information for three references by November 15, 2014. Applicants must apply via the web at: http://jobs.princeton.edu (Requisition Number: 1400574). Letters of recommendation will also be handled through this site. All applications received by November 15, 2014 will be fully considered, but applications will continue to be accepted until the position(s) are filled. All applications will be considered for all postdoctoral positions available in the department, but you will be asked in the application process which positions you are interested in. For further inquiries, contact postapp15@astro.princeton.edu.

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**Tenure-track Faculty Position at New Mexico State University (Position #198952)**

The New Mexico State University (NMSU) Department of Astronomy invites applications for a tenure-track faculty position in astronomy or astrophysics beginning in August 2015. We expect that this appointment will be filled at the level of Assistant Professor.
Applicants must have a Ph.D. in astronomy, astrophysics, physics, or a closely related field. Outstanding candidates in areas that complement current department research will be considered. We are particularly interested in candidates with a demonstrated research record and continuing research programs, observational or theoretical, related to galactic and extra-galactic research (including survey science) or exoplanet research. Strong scientific connections to major current and future facilities, such as SDSS, HST, ALMA, JWST, LSST, etc., are desirable.

The successful candidate will demonstrate their ability to deliver high quality instruction in astronomy/astrophysics at the graduate and undergraduate levels and their ability to establish a sustained external research funding record. Candidates should have a strong interest to serve as advisor to MS and PhD students. Interest and/or experience in delivering undergraduate distance education is desired.

The department has nine faculty, several research faculty and postdocs, and almost 30 graduate students. We are involved in a wide range of astronomical research areas. Faculty members benefit from our membership in the Astrophysical Research Consortium (ARC) and have access to the Apache Point Observatory (APO) 3.5-meter and Sloan 2.5-meter telescopes. We are participants in SDSS-IV with full access to the eBOSS, APOGEE, and the MaNGA survey data. To be considered for this position, apply online at http://jobs.nmsu.edu/postings/19802.

Application materials should include a cover letter, a concise (up to 5 pages) statement of research interests and plans (including a discussion of anticipated research directions over the next five years), a brief (up to 3 pages) description of teaching experience and philosophy, unofficial transcripts of PhD and a curriculum vitae. Applicants will provide names and contact information of three confidential letters of recommendation, who will then get an electronic request for a letter.

Online applications with all required materials must be received by January 15, 2015 but early submissions would be appreciated. Questions about the application process or position can be addressed to Dr. R. Walterbos, Chair, Search Committee, astfaculty@astronomy.nmsu.edu or (575)646-4438.

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**Post-doctoral position - Group of Sam Trickey - Dept. of Physics - Univ. of Florida**

A post-doctoral position is available immediately in the group of Sam Trickey and co-PIs in the Dept. of Physics, Univ. of Florida. The work is on development and early application of density functionals at finite temperature and their zero-temperature counterparts, with emphasis on orbital-free formulations (including de-orbitalizing of higher-rung functionals). Experience in development of approximate functionals is highly desirable. Experience in coding new functionals in complex codes (e.g. QuantumEspresso, PROFEFF, VASP, WIEN2k) is also relevant. (Here running of standard codes is not sufficient.) Funding is assured for the first year from our DOE grant, with renewal subject to mutual agreement and funding in prospect. Salary will be commensurate with relevant experience and accomplishments. Contact: Samuel B. Trickey, 352-392-6978, trickey@nfl.gu.edu

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**Oak Ridge Institute for Science seeks post-graduates interested in geo environmental research**

Through the Oak Ridge Institute for Science and Education (ORISE) this posting seeks motivated post-graduates (MS and PhD) interested in conducting research as part of the geologic and environmental sciences focus area research team at NETL. For more information, please visit http://www.orau.gov/netl/open-projects/projects.html.

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**Tenure track position at the Assistant Professor level - The Department of Physics at Lehigh University**

The Department of Physics at Lehigh University invites applications for a tenure track position at the Assistant Professor Level beginning in August 2015. Lehigh University and the Physics Department have a strong commitment to the inclusion and engagement of our growing population of culturally diverse students. Therefore, we particularly seek candidates who will successfully serve as mentors and role models for students belonging to groups that are currently underrepresented in physics. Successful candidates will have a PhD in Physics and a strong interest in an academic career combining research and teaching at both the undergraduate and graduate levels. Preferably, candidates should have strong interest and expertise in Atomic, Molecular, and Optical Physics; Plasma Physics; Elementary Particle Physics; Cosmology; or Nuclear Physics. Both theorists and experimentalist are invited to apply.

Applicants should include a cover letter describing their area of expertise and major contributions, curriculum vitae, publication list, the names and affiliations of three references, a statement of research interests, a statement of teaching interests, and a statement on diversity. The diversity statement might include (but is not limited to) the applicant’s experience and vision regarding diversity issues such as recruitment, inclusion, retention, mentoring, and serving as role models for students from underrepresented groups. All materials should be uploaded to the website https://academicjobsonline.org/ajo/jobs/4563 and must be received by Dec. 1, 2014.

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**Faculty Positions in Physics – University of California, Berkeley**

The Physics Department of the University of California, Berkeley invites applications for the following faculty positions with an expected start date of July 1, 2015:
• A tenure-track or tenured position at the Assistant, Associate or Full professor level in the area of Theoretical AMO Physics

• A tenure-track position at the Assistant professor level in the area of Experimental Astrophysics

A PhD, or equivalent, in Physics or a related discipline is required by the start date of the appointment. The minimum qualification required to be considered an applicant for these positions is the completion of all PhD or equivalent degree requirements except the dissertation. Preference will be given to scholars who have demonstrated excellence in research. The department is interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service. The successful candidate will be expected to teach undergraduate and graduate courses and have a strong commitment to teaching, mentoring, and service.

Completed applications must be received by October 31, 2014. All applicants must submit a curriculum vitae in order to apply. Applicants at the ASSISTANT PROFESSOR level are required to submit a bibliography, a statement of research, a statement of teaching philosophy, and a minimum of three letters of recommendation. Inclusion of a cover letter is optional. Early application is recommended, but all individuals who apply by the final date will receive full consideration. Applicants may contact Brian Underwood at brianu@berkeley.edu with any questions regarding this recruitment.

To apply for the Theoretical AMO Physics position, please go to: https://aprecruit.berkeley.edu/apply/JPF00519.

To apply to the Experimental Astrophysics position, please go to: https://aprecruit.berkeley.edu/apply/JPF00512.

References will be requested to supply letters through the online application system. All letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality: http://apo.berkeley.edu/evalltr.html, prior to submitting their letters.

For the Theoretical AMO Physics position, applicants currently at the ASSOCIATE or FULL PROFESSOR level are only required to submit a curriculum vitae to apply. Should your application be selected for further consideration, you will be contacted by the search committee for a bibliography, a statement of research, a statement of teaching philosophy, and reference names and contact information. Please note that your application will appear incomplete in the system, but your application will still receive full consideration.

University of California, Los Angeles - Faculty Position in Atomic, Molecular, and Optical Physics

The Department of Physics and Astronomy at the University of California, Los Angeles invites applications for a tenure-track faculty position in atomic, molecular, and optical (AMO) physics. It is anticipated the appointment will be made at the assistant professor rank, but applicants qualified for the associate professor rank will also be considered. Topics of interest are at the interface between AMO and condensed matter physics, especially in quantum optics and quantum