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博士后
[英国] Diamond Light Source

Diamond Light Source seeks for a postdoctoral research associate in Accelerator Physics. The key duties of the post are as follows: Carry out theoretical, simulation and practical studies to understand and optimise the performance of the Diamond accelerators under different operating conditions. Possible topics include non-linear dynamics optimisation, impedance characterisation, instability studies etc. Contribute to advanced studies for ultra low emittance lattices and other possible Diamond upgrades including beam modulation schemes, new injection methods etc. For further information about this role please visit: http://www.diamond.ac.uk/Home/Jobs/Current/DIA0788_SB.html. For an application form and further information including work permit and visa requirements for non-EU nationals please visit their website at www.diamond.ac.uk, telephone their recruitment line on 01235 778218 or write to them at the address below, quoting the appropriate reference number. **Diamond Light Source Ltd, Diamond House, Harwell Science and Innovation Campus, Didcot, Oxfordshire OX11 0DE.** (源于 *Physics Today Job* [2012-11-06])


博士后
[美国] Princeton University

Princeton University opens a postdoctoral associate position in the Quantum Coherence Laboratory under the direction of Professor Jason Petta in the Department of Physics. The successful candidate will participate in the research activities of the lab with graduate and undergraduate students as well as other postdoctoral scientists. This postdoc position is focused on developing hybrid quantum systems that can be used to couple the spin degree of freedom to a propagating electromagnetic field. The candidate will also develop quantum limited parametric amplifiers. Candidates applying for the position must be skilled at electron beam lithography or have experience operating a dilution refrigerator. They seek candidates with strong leadership skills who will help foster a safe and efficient laboratory work environment. Interested applicants must submit a cover letter, CV, and contact information for three references to <https://jobs.princeton.edu>, requisition #1200765. For further information, please contact Professor Jason Petta, petta@princeton.edu. The position is open until filled. (源于 *Physics Today Job* [2012-11-06])


博士后
[美国] Louisiana State University

Louisiana State University invites applications for a postdoctoral researcher, senior postdoctoral researcher, or research associate to work with members of the nuclear theory group and perform

scientific research in the forefront area of ab initio nuclear structure and reactions for light and medium-mass nuclei. In particular, the successful candidate will be able to utilize the state-of-the-art LSU's symmetry-adapted no-core shell model and advance reaction studies for heavier nuclei beyond the currently accessible systems with impact on nuclear astrophysics. In addition, the successful candidate will interact with very strong research groups in several related areas including experimental nuclear physics, astrophysics, and neutrino physics. Required Qualifications: (All) Prior experience in reaction theory and/or in nuclear astrophysics is required. (Research Associate 4) Master's in theoretical physics or astrophysics and one to two years of related experience or a terminal degree (PhD) in related field. (Research Associate 5) Master's in theoretical physics or astrophysics and two to four years of related experience or a terminal degree (PhD) in related field. (Postdoctoral Researcher) PhD in theoretical physics or astrophysics. (Senior Postdoctoral Researcher) PhD in theoretical physics or astrophysics with three years postgraduate experience. Apply online and view a more detailed ad at: <https://lsusystemcareers.lsu.edu> Position #035912. (源于 *Physics Today Job* [2012-11-06])


博士后
[英国] University of Liverpool

University of Liverpool is seeking a highly motivated individual to work on a project to investigate the regulation of DNA repair proteins in response to DNA damage. The post will involve biochemical purification and identification of novel enzymes involved in post-translational modifications of DNA repair proteins, and their relationship to the development of human diseases, such as cancer. The candidates should have a PhD in biochemistry, molecular biology, cancer biology or related subject with a developing track record of research. The post is available for 1 year, with the possibility of extension for a further 2 years. Job Ref: **R-580976/S** Closing Date: 7 December 2012. For full details, or to request an application pack, visit http://www.liv.ac.uk/working/job_vacancies/ or E-mail jobs@liv.ac.uk, please quote Job Ref in all enquiries. (源于 *Science* [2012-11-07])


博士后
[美国] University of Alabama

University of Alabama is inviting applicants for a postdoctoral position to work on the Double Chooz and LZ experiments. This position will be based at the University of Alabama, with some periods of time to be spent at the Chooz site. Required skills: the successful candidates should have a background in experimental nuclear or particle physics. Experience in hardware, detector operation/development, statistical data analysis, Monte Carlo simulations, or low background counting would be a plus.

Candidates need to have a PhD in physics. PhD candidates should indicate when they are expecting to fulfill their PhD requirements. The appointment is initially for one year with the possibility of renewal for a total term of up to three years. Applicants should submit a letter of application, a curriculum vitae, and arrange to have at least two letters of recommendation sent to: **Ion Stancu, Department of Physics & Astronomy, Box 870324, University of Alabama, Tuscaloosa, AL 35487-0324, USA. ion.stancu@ua.edu.** Applications will be accepted until the position is filled. More information can be found at <http://facultyjobs.ua.edu/postings/30762>. (源于 *Physics Today Job* [2012-11-07])



博士后 [美国] Ohio State University

Mathematical Biosciences Institute (MBI) is accepting applications for Postdoctoral Fellows to start September 2013. MBI postdoctoral fellows engage in a three-year integrated program of tutorials, working seminars or journal clubs, and workshops, and in interactions with their mathematical and bioscience mentors. These activities are geared toward providing the tools to pursue an independent research program with an emphasis on collaborative research in the mathematical biosciences. MBI facilitated activities are tailored to the needs of each postdoctoral fellow. Applications for an MBI postdoctoral fellowship are to be submitted online at <http://www.mathjobs.org/jobs/mbi>. Applicants need to provide a curriculum vita, a research statement, and three letters of recommendation. Applications completed before December 13, 2012 will receive full consideration. For additional information please contact **Rebecca Martin (rebecca@mbi.osu.edu or 614-688-3519)**. (源于 *Science* [2012-11-07])

Brookhaven National Laboratory

博士后 [美国] Brookhaven National Laboratory

Brookhaven National Laboratory is currently soliciting applications for a postdoctoral research associate in the Electronic Nanomaterials group. The research will focus on the fabrication and characterization of nanostructured inorganic materials for photocatalytic water splitting. The goal of the project is to examine the influence of nanostructuring and surface modification on the photoexcited carrier dynamics in the semiconductor. The qualified candidate will have a PhD in an appropriate discipline (Physics, Chemistry, Electrical Engineering, and Materials Science) and significant experience with optoelectronic and/or time-resolved characterization methods. Expertise in semiconductor optical physics, nanometer-scale materials characterization and analysis, as well as electrical and photoelectrochemical device measurements are highly desirable. The successful applicant will demonstrate an ability to work independently within broadly defined research directions. www.bnl.gov/HR/careers. (源于 *Physics Today Job*

[2012-11-08])



博士后 [美国] University of Maryland College Park

University of Maryland College Park invites applications for a physics postdoctoral research position in theoretical condensed matter and quantum information science at the Laboratory for Physical Sciences (LPS). Candidates should have demonstrated expertise in solid-state quantum computing (e.g. superconducting qubits, spins in semiconductors, etc.), quantum information science, many-body condensed matter physics, simulation of quantum systems, or related subjects. Interested candidates are invited to seek more information or to submit an electronic application addressed to Ari Mizel at ari@lps.umd.edu. Applications should include a CV, a summary of research interests, publications list, and the electronic (E-mail) contact details of two references. The quantum computing group at LPS consists of both experimentalists and theorists focused on various aspects of solid-state quantum computers, condensed matter theory, and quantum information science. (源于 *Physics Today Job* [2012-11-09])



博士后 [美国] The Research Foundation of State University of New York

A postdoctoral position is available immediately in the lab of Dr. Nadine Hempel, Nanobioscience Constellation, College of Nanoscale Science and Engineering, to study mechanisms of ovarian and bladder cancer metastasis. Specifically, the project will focus on the role of reactive oxygen species and hypoxia in regulating cellular signaling pathways and mitochondrial function associated with metastatic behavior. They are therefore seeking a candidate who is a recent doctoral graduate with a strong molecular and cellular biology background and additional expertise in one of the following fields: cancer biology, biochemistry, cellular signaling, protein biochemistry, microscopy, and/or redox biology/mitochondrial function. The postdoctoral associate will be responsible for designing, executing, analyzing and reporting research findings, ultimately leading to publication of the findings in the form of research manuscripts and presentations at scientific conferences. Minimum Qualifications: PhD in Life Sciences or related field from a college or university accredited by the US. Successful applicants must have excellent experimental expertise in molecular and cellular biology. Must demonstrate the ability to learn quickly and apply novel techniques. Must be scientifically curious and able to carry out experiments for a specific hypothesis driven project. Candidates must address in their application their ability to work with culturally diverse populations. Persons interested in the above position should submit a resume, three work-related references, and letter of application, along with The Research Foundation of SUNY employment application to: Dr. Nadine Hempel, Search for Post-

doctoral Associate, 257 Fuller Road, Albany, NY 12203, CNSEHR@uamail.albany.edu. (源于 *Science* [2012-11-09])



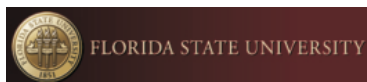
博士后 [美国] National Security Agency

National Security Agency opens the research directorate post-graduate and postdoctoral program (rdpgpd) to highly qualified post graduate and post doctoral candidates in fields as diverse as mathematics, computer science, engineering, and physics (within 3 years after receiving their Masters or PhDs) to work on problems that are compatible with the interests of the National Security Agency/Central Security Service in association with members of the permanent Research staff. Participants in the program will benefit from the opportunity to tackle some of the most difficult problems in the national security domain, gain valuable work experience, receive a TOP SECRET SCI security clearance and develop a network of colleagues and mentors in the Intelligence Community. Successful candidates will be asked to bring their new ideas, techniques and approaches to problems facing the nation. To apply for this position and submit the resume, please visit <http://www.nsa.gov/careers/> and click on the Job Search/Apply Online button on the left side of the page. After completing the application and clicking the 'Submit Final' button, you will receive a confirmation email. Emails regarding the application status will be sent periodically. Please ensure the spam filters are configured to accept E-mail from noreply@nsa.gov. (源于 *Physics Today Job* [2012-11-09])



博士后 [美国] Princeton University

Princeton University Department of Chemistry seeks a postdoctoral associate for an ultrafast laser experimental position in the group of Professor Herschel Rabitz. Two research directions are open. The first involves ultrafast laser control for the detection and transformation of biological molecules in vitro and in vivo. A second project concerns the laser control of chemical reactions at and near solid surfaces. Applicants with experience in ultrafast laser pulse shaping and control are particularly encouraged to apply. Applications must be submitted electronically to <https://jobs.princeton.edu> (Requisition #1200755). PhD required. (源于 *Physics Today Job* [2012-11-09])



博士后 [美国] Florida State University

Florida State University is seeking a Postdoctoral Research Associate in Experimental Condensed Matter Physics. The candidate selected will perform research on strongly correlated systems, nanoscale systems and photosynthetic light-harvesting proteins using

techniques of optical and magneto-optical spectroscopy. Current research interests center on the study of novel phases in complex transition metal oxides, ultrafast exciton dynamics and photophysics in high magnetic fields. The postdoc's research will be jointly supervised by Dr. Stephen McGill (NHMFL) and Prof. Greg Scholes (Univ. of Toronto). Additionally, the postdoc will be expected to develop and utilize new optical techniques at the NHMFL involving femtosecond ultrafast spectroscopy within the unique 25 T Split-Florida Helix magnet. The postdoc's research will benefit greatly from the collaborative, active, and stimulating environment of the wider condensed matter group at the NHMFL. The initial appointment will be for one year, with renewal for up to two additional years conditional upon performance and availability of funding. Please submit the application electronically in a single PDF file via E-mail to Stephen McGill: [mcgill \[at\] magnet.fsu.edu](mailto:mcgill[at]magnet.fsu.edu). The application should include a statement of research interests and previous experience, a CV, a list of publications, and the names of three references. (源于 *Physics Today Job* [2012-11-09])



助理教授 [美国] The George Washington University

The George Washington University invites applications for a tenure-track position as assistant professor in Theoretical Hadron Physics starting in the Fall of 2013. Current research topics in theoretical nuclear physics in the Department include excited baryon spectroscopy, effective field theory, lattice gauge theory, nuclear astrophysics, and phenomenological data analysis. Experimental efforts center on low-to-medium energy physics, with experimental programs performed at various national and international labs. They encourage applications from individuals whose research complement and enhance their current research programs in theoretical nuclear physics and phenomenological data analysis. More information about the Department can be found at <http://departments.columbian.gwu.edu/physics>. Basic Qualifications: Applicants must have a PhD in physics, with at least two years of research experience beyond the PhD degree, a published research record in theoretical hadron physics, and a demonstrated potential to teach effectively at both undergraduate and graduate levels as evidenced by experience, teaching references, presentations, etc. To apply, please complete an online faculty application at <http://www.gwu.jobs/postings/12174/>, and submit a cover letter, curriculum vitae, research plan, and teaching statement. (源于 *Physics Today Job* [2012-11-05])



助理教授 [美国] North Carolina State University

NC State University and the Computer Science and Mathematics Division at Oak Ridge National Laboratory (ORNL) are seeking highly qualified candidates for a joint assistant professor position in

computational bio and nano physics, emphasizing high performance computing. The tenure-track faculty member will have reduced teaching load and split his/her time between NCSU and ORNL. He/she is expected to develop an independent research program that enhances collaborations between NCSU and ORNL, in particular those involving the National Center for Computational Sciences, the Center for Nanophase Materials Sciences and the Spallation Neutron Source. Minimum qualifications include an earned PhD degree in physics or a physics-related area. To apply, please visit <https://jobs.ncsu.edu> and designate position number 17RJB914. You will be required to attach a curriculum vitae and a brief summary of research and teaching goals. Please have three letters of recommendations sent by E-mail to physicsjobs@ncsu.edu, with comp-bio-nano and the name of the applicant in the subject line. Review of applications will begin November 1st 2012 and continue until the position is filled. (源于 *Physics Today Job* [2012-11-06])



Northeastern University

助理教授

[美国] Northeastern University

Northeastern University invites applications for a tenure-track assistant professor position in Network Science. They are particularly interested in expanding their current focus on the fundamental aspects of network formation and evolution from a broad statistical physics perspective, and exploring their applications to various real world problems, from biological to social and communication networks. The main appointment is expected to reside in the Department of Physics. However, in exceptional cases, joint appointments between Physics and other departments will also be explored for qualified candidates with background in other areas, like computer science and biology. Required qualifications include: PhD degree in physics, computer science, or a related field; a strong record of research in network science that can support the teaching mission of the appropriate department; excellent communication skills and an interest working with students and collaborating with the community and industry. To apply, please visit Northeastern University Careers Job Site at <https://neu.peopleadmin.com/postings/22173>. (源于 *Physics Today Job* [2012-11-07])



助理教授

[美国] Indiana University of Pennsylvania

The Department of Biology at Indiana University of Pennsylvania invites applications for two tenure-track positions: position one: public health biology; position two: neurochemistry. Appointments will be at the assistant professor level and available in August 2013. Doctorate required, postdoctoral experience preferred. The successful applicant will have experience in the area of specialization with a strong record of interdisciplinary collaboration. He or she will be expected to help build a student-centered

learning community, teach introductory as well as specialty-area courses, develop a productive research program that involves both undergraduate and graduate students and be committed to the Teacher-Scholar Model. Applications due by January 15, 2013. For full announcement, including application instructions, see <http://www.iup.edu/biology> or <http://www.iup.edu/humanresources/employment>. (源于 *Science* [2012-11-07])



Cornell University

助理教授

[美国] Cornell University

The Department of Molecular Medicine at Cornell University in Ithaca, NY invites applications for a tenure-track faculty position at the rank of assistant professor. Applications from individuals at a more advanced rank may also be considered. They seek candidates dedicated to a mechanistic understanding of cellular function and dysfunction using structural, biochemical, or cell biological approaches. The successful candidate is expected to develop a strong and independent research program and contribute to the teaching activities. MedicinQualifications: Candidates should have a PhD, DVM, MD, or equivalent degree, postdoctoral experience, a track record of excellence in research, and the potential to develop an outstanding, extramurally funded research program. They welcome candidates who will create a climate that attracts students of all races, nationalities and genders. The application, submitted at <https://academicjobsonline.org/ajo/jobs/2255>, must include a cover letter, curriculum vitae, 2 to 3 page research plan, and email addresses for letter requests from 3 referees who will be invited to upload their letters at this site. The committee will begin considering applications December 10 and will continue until the position is filled. (源于 *Science* [2012-11-09])



THE UNIVERSITY OF
CHICAGO

助理教授

[美国] University of Chicago

The Department of Microbiology at The University of Chicago invites applications for a tenure-track faculty position at the rank of assistant professor, although, depending on qualifications, candidates may be proposed for a senior appointment. Applicants must have a PhD or MD-PhD and relevant postdoctoral training. The successful candidate is expected to develop an extramurally supported research program focusing on host-pathogen interactions of viral, parasitic, fungal, or bacterial infectious agents. Candidates are also expected to contribute to departmental teaching. Review of applications will begin on January 1, 2013 and continue until the position is filled. Interested applicants should submit a cover letter, curriculum vitae, the names and contact information for at least three references, and a statement of research interests emphasizing career goals addressed to Professor Howard Shuman and Associate Professor Glenn Randall, Co-Chairs of the Microbiology Search Committee, at the following website: <http://tinyurl.com/9clb75k>. (源于 *Science* [2012-11-09])

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