

Recruitment

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IAEA

International Atomic Energy Agency

Laboratory Head

The International Atomic Energy Agency (IAEA), an independent United Nations organization headquartered in Vienna, Austria, with more than 150 Member States and a staff of 2300, serving as the global focal point for international cooperation in the safe and peaceful use of nuclear technology, is seeking a Laboratory Head for its Physics Section. **This individual will be:** (1) a *team leader* ensuring the efficient and effective development and implementation of the Nuclear Spectrometry and Applications Laboratory's (NSAL) research, training and service activities; (2) a *scientific leader* of the NSAL's research and development activities; (3) a *manager* of human resources and key activities of the NSAL; (4) an *advisor* to the Head of the Physics Section and the Director of the Division in programmatic, scientific and technical matters.

The successful candidate should have at the minimum:

- PhD in nuclear physics or a closely related field
- Minimum of 10 years of postdoctorate experience in experimental nuclear physics research and in the development of nuclear instrumentation or radiation detectors
- Strong publication record in peer reviewed journals and at international conference
- Experience with accelerator-based experiments, specifically experiments at synchrotrons and/or experiments at ion beam accelerators.

To apply for this position, **please submit an on-line application** at <http://www.iaea.org/About/Jobs> **before August 17th 2012**, selecting vacancy notice no. 2012/0697.

Benefits: The IAEA offers a stimulating multicultural working environment. The post offers: **tax free remuneration; diplomatic status; rental subsidy; 6 weeks annual leave;** medical insurance coverage; a staff retirement plan; full coverage of removal expenses for staff member, family, and personal effects; additional allowance for installation expenses; assistance with finding housing and schools in the local area; financial assistance with the education of dependent children; and paid travel to the home country for the staff member and family every other year.



Our Goal: to facilitate the safe contribution of nuclear technologies to peace, health and prosperity throughout the world, while ensuring that no technology or material under our oversight or provided with our assistance is used to further any military purpose.



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High Energy Physics Group
Dept of Physics & Astronomy



Lectureship in Particle Physics (UCL Reference: 1260289)

Applications are invited for a lecturer post in the High Energy Physics Group in the Department of Physics and Astronomy at UCL.

The successful candidate will be expected to take a leading role in the ATLAS upgrade project, to publish research from the current ATLAS data and to raise the funds to support their research programme. They will also be expected to participate in the Department's teaching programme at undergraduate and graduate level including: lecturing, problem-solving tutorials, laboratory demonstrating and dissertation supervision.

Depending on experience, the salary will be in the Lecturer Grade 8 range: £39,818 to £46,972 per annum inclusive of London Allowance.

More details about the application procedure, the position, the UCL ATLAS group, the High Energy Physics Group, the Department of Physics and Astronomy, and UCL can be found at http://www.hep.ucl.ac.uk/positions/lectureship_2012.shtml

The closing date for applications is 5pm on Monday, 3 September 2012.

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The Excellence Cluster for Fundamental Physics

'Origin and Structure of the Universe'



RESEARCH FELLOWS in Astrophysics, Cosmology, Nuclear and Particle Physics

The Excellence Cluster "Origin and Structure of the Universe" was established at the Technische Universität München (TUM) in October 2006 within the framework of the Excellence Initiative. The interdisciplinary research project unifies the physics faculties of TUM and Ludwig-Maximilians-Universität (LMU) as well as University Observatory of the LMU, several Max-Planck-Institutes (MPA, MPE, MPP, IPP) and the European Southern Observatory (ESO). The main goal of the Universe Cluster is to solve fundamental questions of physics, astrophysics, cosmology as well as nuclear and particle physics.

As part of our **FELLOWSHIP PROGRAM** we are looking for excellent young scientists on the postdoc level. Fellows will have the opportunity to work independently and potentially pursue an interdisciplinary research program in any research area of the Universe Cluster (theoretical or experimental). Fellowship appointments will be for a 3-year term and come with a budget of EUR 5K/year.

APPLICATION

Candidates should send a cover letter, a complete curriculum vitae, a list of publications, a PhD certificate, a brief statement of research accomplishments and a research plan. Please upload these separate documents in the job section of the Cluster website www.universe-cluster.de. Please also arrange for 3 letters of recommendation to be sent to job@universe-cluster.de.

Applications from women and candidates with disabilities are especially encouraged and will be given preference to other applicants with equal qualifications. The application deadline is **October 31, 2012**.

CONTACT

Technische Universität München · Excellence Cluster Universe
Dr. Andreas Müller · Boltzmannstrasse 2
85748 Garching · Germany



Thinking about the Future of Basic Science.

IBS/RISP has openings for: Accelerator Scientists/Engineers

The Institute for Basic Science (IBS) was established by the Korean government in November 2011 with the goal to create a world-class research institute in the basic sciences. IBS/RISP is to develop scientific and technical expertise and capabilities for the construction of a rare isotope accelerator complex (Rare Isotope Science Project, RISP) for nuclear physics, and medical and material science and applications.

The IBS/RISP is seeking for qualified applicants to work for Rare Isotope Science Project (RISP) at its headquarters office in Daejeon, Republic of Korea. The positions are at the level of research fellow, and postdoctoral research associates and accelerator engineers. Persons with high-level research achievement, extensive experience in large scale accelerator facility construction are given higher priority. The starting date is as soon as possible.

The successful candidates will participate in the R&D and construction of accelerator systems for RISP.

If you have the appropriate skills and are looking for a diverse and interesting employment opportunity we encourage you to apply. IBS/RISP is an equal opportunity employer; all applicants will be considered on their merit. Salary and benefits will be decided upon negotiations with the Director of RISP and will become effective upon signing the contract.

Please send your application including CV and introduction to

Ms. Y.H. LEE, RISP Director's Office at the Institute for Basic Science, 70 Yuseong-daero 1689-gil Yusung-gu, Daejeon, Korea, 305-811

or e-mail to leeyh@ibs.re.kr.

Applicants should arrange to have three letters of references sent to address or e-mail.

Application deadline is August 31, 2012.

Further information can be obtained by sending mail to leeyh@ibs.re.kr.

Deadline for applications: 31 August 2012

<http://risp.ibs.re.kr>



Since its foundation in 1952, the **Belgian Nuclear Research Centre (SCK•CEN)** has been playing a pioneering role with unique achievements and groundbreaking work in the area of nuclear science and technology. Today SCK•CEN is one of the largest research centres in Belgium. About 700 people work on the development of peaceful industrial and medical applications of ionising radiation. Our goal: to strive for constant excellence in nuclear expertise and research.

With the MYRRHA project, SCK•CEN is developing an innovative fast spectrum research reactor, conceived as an accelerator driven system (ADS). MYRRHA will be used for the production of radioisotopes and doped silicon for renewable energy applications, the transmutation of radioactive waste and the study of materials for innovative fission reactors and for fusion technology.

Within the framework of this project we are looking for an **Accelerator System Engineer (3 year contract)**

As the Accelerator System Engineer you will have the full ownership of the engineering activities and their integration for the full development cycle (design phase, engineering design, prototyping, production, improvement, maintenance).

A detailed job description and the required qualifications can be found on our website: www.sckcen.be/jobs

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Send your application letter and detailed curriculum vitae with reference *NN 2012-032* before August 18th to:

Evi Belmans, Human Resources Management, SCK•CEN, Boeretang 200 - 2400 Mol, email: jobs@sckcen.be



Research towards a sustainable option



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Faculty Positions

SINP invites applications for faculty positions at different levels from scientists having outstanding academic records and research achievements. At present, major research activities of the Institute are in the following broad areas: Atomic, Nuclear and Plasma Physics, Condensed Matter & Surface Physics, High Energy Physics, Theoretical & Mathematical Physics and Biophysical Sciences. SINP is an autonomous organization funded by the Department of Atomic Energy of Government of India to carry out basic research in the above broad areas. SINP has excellent state-of-the-art in-house facilities and also has collaborative access to various high-energy accelerators and synchrotron facilities across the world. We seek applicants, who will complement and extend our current research activities. Prospective applicants should also have interest in graduate teaching. This is a rolling advertisement (refer http://www.saha.ac.in/cs/www/position_selection_procedure.pdf) and applications may be submitted anytime of the year in plain papers/e-mails with details like cover letter, resume giving entire list of publications, a statement of research plan and contact details of 5 referees. Salary and rank will be commensurate with qualifications and research experience - minimum of two years of postdoctoral experience is required.

Director, Saha Institute of Nuclear Physics,
1/AF, Bidhannagar, Kolkata 700064, INDIA;
director.sinp@saha.ac.in



Cornell University

**Cornell Laboratory for Accelerator-based
Sciences and Education (CLASSE)**

Accelerator Physicist/Engineer Research Associate

Cornell Laboratory for Accelerator-based Sciences and Education (CLASSE) has an immediate opening for a PhD level Accelerator Physicist/Engineer to oversee the operation and development of a 300 MeV electron linac and carry out research in accelerator physics, engineering and beam instrumentation. The successful candidate must have an exceptional track record demonstrating a high level of initiative and competence in science or engineering R&D. A strong background in particle accelerator physics or engineering and experience with high power Radio Frequency systems is highly desirable. This is a three-year appointment with expectation for renewal, subject to mutual satisfaction and availability of funds. Requirements: PhD in engineering or physics and at least five years' experience in accelerators or work relevant to accelerators.

Applications should be submitted at <http://academicjobsonline.org/> (posting 1542) and should include a cover letter, a CV, a list of publications, a detailed summary of research experience and interests. Applicants must arrange to have at least three letters of recommendation from individuals who have detailed, relevant knowledge of the candidate uploaded, as per instructions on the academicjobsonline website. For information about the position, contact **David Rice at dhrr1@cornell.edu**.

Cornell University is an Affirmative Action, Equal Opportunity Employer and Educator



The Deutsches Elektronen-Synchrotron (DESY) and the Humboldt-Universität zu Berlin (HU) invite applications for a joint appointment as

Leading Scientist (m/f)

at the DESY, Zeuthen site and

Full Professor (W3) for Experimental Astroparticle Physics

at the Faculty of Mathematics and Natural Sciences I – Department of Physics of the HU.

DESY, Zeuthen site, is one of the leading centres for astroparticle and particle physics. In astroparticle physics, DESY plays a leading role in gamma-ray astronomy with strong contributions to CTA, VERITAS, MAGIC, H.E.S.S., and Fermi and neutrino astronomy with the IceCube experiment. The research program in particle physics consists of strong contributions to the LHC experiments and detector development. The experimental program is enhanced by collaboration with a strong theory group. DESY collaborates closely with German groups in the framework of the Helmholtz Alliances "Astroparticle Physics" and "Physics at the Terascale" and internationally with major laboratories and institutes in astroparticle and particle physics.

DESY, Zeuthen site, is seeking to intensify and widen its research program in experimental astroparticle physics, including related particle physics research at underground laboratories. The appointee is expected to have an established international reputation in the field of astroparticle physics with a background in particle physics. He/She is expected to play a leading role in shaping the future research program of the laboratory, to foster scientific cooperation with the HU and to actively participate in the common DFG Research Training Group GK1504 "Mass, Spectrum, Symmetry: Particle Physics in the Era of the Large Hadron Collider". The appointee is expected to contribute to the physics teaching at all levels at the HU and will have the potential to attract external funding for a creative research program.

Applicants must meet the requirements for a university professor as stipulated in § 100 of the "Berliner Hochschulgesetz". The position will be available as of October 1st 2012. Both DESY and HU are equal opportunity employers. The goal is to enhance the percentage of women in the areas where they are underrepresented. Women, therefore, are particularly encouraged to apply. Applications of disabled persons will be preferred in cases of equal qualifications. Applicants with migration background are highly welcomed.

Deadline for application: August 15th 2012

Applications should be addressed to Prof. Dr. C. Stegmann, DESY, Platanenallee 6, 15738 Zeuthen, including the reference number **PR/018/12**. For further information Prof. Stegmann can be contacted by email (christian.stegmann@desy.de). Application materials will not be returned. Therefore, you are requested to send only copies of all documents.

Applicants are kindly asked to send their application materials both in written form as well as electronically via <http://www2.physik.hu-berlin.de/ssl/desy>



European XFEL is a multi-national non-profit company that is currently building an X-ray free-electron laser facility that will open up new areas of scientific research. When this facility is completed in 2015, its ultrashort X-ray flashes and unique research opportunities will attract scientists from all over the world to conduct ground-breaking experiments. We are a rapidly growing team made of people from more than 20 countries. Join us now!

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HELSINGIN YLIOPISTO
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UNIVERSITY OF HELSINKI

The Department of Physics in the Faculty of Science at the University of Helsinki invites applications for a

PROFESSOR IN THEORETICAL PHYSICS

The field of the professorship is elementary particle physics. The position is permanent.

The professor will be responsible for his/her part for teaching of and research in particle physics, especially quantum field theories in particle physics, with focus on weak interactions. The research environment consists of both theoretical research groups and groups in leading experiments in particle physics and cosmology. (Homepage of the Department of Physics: <http://www.physics.helsinki.fi/english/index.html>).

Applications should include: an academic portfolio approved by the Faculty containing a summary of supervision duties of master's and doctoral theses and a presentation on how the applicant plans to develop his/her field and its teaching; a list of those publications and other relevant documents on competence and merits that the applicant wishes to be taken into account in the selection process; a maximum of 15 publications for experts' perusal. More information of the application can be found at the Faculty webpages:

<http://www.helsinki.fi/facultyofscience/vacancies/index.html>.

An average starting salary for a newly appointed professor is c. 5500 euros per month.

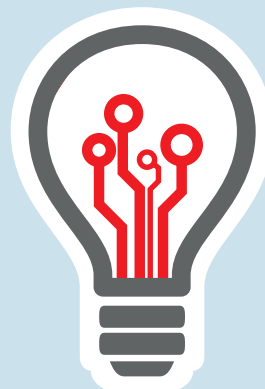
Applications addressed to the Faculty of Science must be delivered to: **Registry of the University of Helsinki, P.O. Box 33 (Yliopistonkatu 4), FI-00014 University of Helsinki, Finland.**

The Faculty requests that the application and its enclosures be sent the Registry via email to the address hy-kirjaamo@helsinki.fi.

The closing date for applications is 31 August 2012.

More details can be obtained from **Head of Department, Professor Juhani Keinonen, +358 9 191 50005, +358 9 191 50601, juhani.keinonen@helsinki.fi**.

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