

Recruitment

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The European Spallation Source is preparing to construct a world-leading European materials research centre in Lund, Sweden. ESS is an international partnership of 17 European countries.



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Head of Procurement Division

The procurement division is responsible for the sourcing of the European Spallation Source with a total estimated project cost of 1,843 B€ during 2013-2019. You will be responsible for managing the ESS supply chain. Emphasis will be on strategic planning of large and complex procurements in a scientific and technical environment. You will develop and manage the sourcing organization according to the ESS project plans.

For more details, have a look at:
<http://europeanspallationsource.se/vacancies>



NATIONAL TAIWAN UNIVERSITY Leung Center for Cosmology and Particle Astrophysics

Distinguished Junior Fellowship

The Leung Center for Cosmology and Particle Astrophysics (LeCosPA) of National Taiwan University is pleased to announce the availability of several Post-Doctoral Fellow or Assistant Fellow positions in theoretical and experimental cosmology and particle astrophysics, depending on the seniority and qualification of the candidate. Candidates with exceeding qualification will be further offered as LeCosPA Distinguished Junior Fellows with competitive salary.

LeCosPA was founded in 2007 with the aspiration of contributing to cosmology and particle astrophysics in Asia and the world. Its theoretical studies include dark energy, dark matter, large-scale structure, neutrino cosmology, and quantum gravity. The experimental investigations include the balloon-borne ANITA project in Antarctica and the ground-based ARA Observatory at South Pole in search of GZK neutrinos, and a satellite GRB telescope UFFO that is capable of slewing to the burst event within 1sec.

These positions are available on September 1, 2014. Interested applicant should email his/her application with curriculum vitae, research statement, publication list and three letters of recommendation before December 15, 2013 to

Ms. Yen-Ling Lee ntulecospa@ntu.edu.tw

For more information about LeCosPA, please visit its website at
<http://lecospa.ntu.edu.tw/>

Three letters of recommendation should be addressed to

Prof. Pisin Chen, Director

**Leung Center for Cosmology and Particle Astrophysics
National Taiwan University**



At the **Faculty 08 – Physics, Mathematics, and Computer Science**, the newly established **Detector Laboratory of the PRISMA Cluster of Excellence** is welcoming applications for the following positions:

2 managing physicists (pay group TV-L E14, permanent positions) one for each of the divisions **Electronics and Detectors**

The Cluster of Excellence PRISMA ("Precision Physics, Fundamental Interactions and Structure of Matter") deals with fundamental questions concerning the nature of the elementary building blocks of matter and their significance for the physics of the Universe. Hereby, experimental and theoretical research groups in the areas of high energy, hadron and astroparticle physics, nuclear physics as well as precision physics work on ultra-cold neutrons and ion traps across several institutes. The execution of innovative key experiments counts among the major initiatives of the cluster.

The major task of the PRISMA Detector Lab is to support experimental developments at the cluster via realizing detector hardware and electronics as well as by fostering the target-oriented and innovative research and development of new technologies. The Detector Lab comprises three focus areas: electronics, photon detectors and TPC as well as trace detectors.

We are looking for versatile and creative personalities with a Ph.D. in physics (or equivalent competency) who show the technical and administrative skills to, together with the scientific management team, transform the detector lab into a center of detector and electronics development within in PRISMA. This will involve the useful integration of existing networks among respective institutes. Successful candidates are expected to instruct students, doctoral candidates and employees as well as to organize seminars, trainings and workshops. Furthermore, the positions require an adequate fulfillment of teaching responsibilities at the faculty.

Electronics Division: A present area of expertise at PRISMA lies in the area of fast digital and trigger electronics by means of FPGAs and optical data transmission at the highest bandwidth. Suitable candidates show comprehensive, longstanding and internationally visible experience in detector lab electronics and thus offer a useful complement or extension to the existing expertise at PRISMA.

Detector Division: Suitable candidates show comprehensive, longstanding and internationally visible experience in researching, developing and constructing particle detectors. PRISMA specifically welcomes applications by candidates with cross-technological expertise who can foster the development of the two focus areas of photon as well as TPC and trace detectors at the detector lab.

Johannes Gutenberg University Mainz endeavors to increase the number of women employed in academic institutions and therefore openly invites applications by female scientists. Disabled applicants with adequate qualification will be given preferential treatment.

Please submit your **written application** including all relevant records and up to three central publications electronically at <http://www.phmi.uni-mainz.de/stellen.php>. Selection of candidates begins after **November 30, 2013**. For more information please contact Prof. Dr. U. Oberlack, Institute of Physics, prisma-detlab@uni-mainz.de.

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Institute of High Energy Physics, Chinese Academy of Sciences

Recruitment of Overseas High-level Talents

Name of Programs:

- National "Thousand Talents Program" (long term & short term programs)
- National "Thousand Young Talents Program"
- "Hundred Talents Program" (overseas outstanding talents) of Chinese Academy of Sciences
- "Outstanding Talents Program" of Institute of High Energy Physics, Chinese Academy of Sciences

Recruitment Objectives:

Based on the needs of the research areas and the disciplines development of the Institute of High Energy Physics Chinese Academy of Sciences (hereafter referred to as "IHEP CAS", we are now publicly recruiting overseas outstanding talents and scholars of relevant disciplines who possess research abilities and innovation awareness.

1. National "Thousand Talents Program"

Research directions: R&D of advanced particle detectors, nuclear electronics, accelerator physics, accelerator technology (including magnet power, high-frequency microwave, vacuum, control, beam measurement, radiation protection, power source, magnets and mechanical technology), cosmic ray physics (including high-energy Gamma-ray astronomy), cosmic ray detection technology, theory and observations of high-energy astrophysics (including compact stars, Gamma ray burst, active galactic nuclei), space astronomical instruments (including detectors, electronics, and X-ray optics), particle physics, nuclear physics, cosmology, astronomy, and accelerator-based light source physics (preferably Higgs physics and other TeV high-energy physics), synchrotron radiation beam line and experiment techniques, relationship of protein structure and function, molecular imaging, medical physics

2. National "Thousand Young Talents Program"

Research directions: pixel detector, offline software, trigger and data acquisition, event reconstruction, data processing, electronics in particle physics experiments, ASIC, radiation-hard devices, accelerator physics, accelerator technology (including magnet power, high-frequency microwave, vacuum, control, beam measurement, radiation protection, power source, magnets and mechanical technology), cosmic ray physics (including high-energy Gamma-ray astronomy), cosmic ray detection technology, theory and observations of high-energy astrophysics (including compact stars, Gamma ray burst, active galactic nuclei), space astronomical instruments (including detectors, electronics, and X-ray optics), particle physics, nuclear physics, cosmology, astronomy, and accelerator-based light source physics (preferably Higgs physics and other TeV high-energy physics), Typical pollutants' environmental behavior and toxicology, Metallomics, synchrotron radiation beam line and experiment techniques, medical imaging (nuclear detection technology, nuclear spectroscopy, nuclear electronics technology, image processing, image reconstruction algorithm) application accelerator (accelerator technology)

3. CAS "Hundred Talents Program"

Research directions: particle physics experiment (detectors R&D, offline software and physical analysis), nuclear electronics, accelerator physics, accelerator technology (including magnet power, high-frequency microwave, vacuum, control, beam measurement, radiation protection, power source, magnets and mechanical technology), accelerator physics, accelerator technology, high intensity proton accelerator technology, low-temperature superconducting technology, cosmic ray physics (including high-energy gamma-ray astronomy), cosmic ray detection technology, theory and observations of high-energy astrophysics (including compact stars, Gamma ray burst, active

galactic nuclei), space astronomical instruments (including detectors, electronics, and X-ray optics), particle physics, nuclear physics, cosmology, astronomy, and accelerator-based light source physics (preferably Higgs physics and other TeV high-energy physics), typical pollutants environmental behavior and toxicology, Metallomics, relationship of protein structure and function, The interaction between nano-materials and organism, the application of nano-materials in cancer diagnosis and treatment, new nano-material synthesis, modification, characterization and application of nano-materials, nuclear structural materials radiation damage effects, synchrotron radiation beam lines and experiment techniques, computer software and theory, distributed computing, network technology, medical imaging (nuclear detection technology, nuclear spectroscopy, nuclear electronics technology, image processing, image reconstruction algorithm) application accelerator (accelerator technology)

4. IHEP "Outstanding Talents Program"

Research directions: pixel detector, offline software, trigger and data acquisition, event reconstruction, data processing, electronics in particle physics experiments, ASIC, radiation-hard devices, sensors and monitoring devices, accelerator physics, accelerator technology (including magnet power, high-frequency microwave, vacuum, control, beam measurement, radiation protection, power source, magnets and mechanical technology), cosmic ray physics (including high-energy gamma-ray astronomy), cosmic ray detection technology, theory and observations of high-energy astrophysics (including compact stars, Gamma ray burst, active galactic nuclei), space astronomical instruments (including detectors, electronics, and X-ray optics), radiation damage effects of nuclear structural materials, typical pollutants' environmental behavior and toxicology, Metallomics, synchrotron radiation beam lines and experiment techniques, medical imaging (nuclear detection technology, nuclear spectroscopy, nuclear electronics technology, image processing, image reconstruction algorithm), application accelerator (accelerator technology)

How to Apply

1. Personal resumes (one in English and one in Chinese preferred)
2. Three letters of recommendation by renowned experts of the field (referees may send the electronic version of the letters of recommendation with their signature to the contact email provided below); At least three renowned overseas referees are required for applicants of National "Thousand Talents Program"/"Thousand Young Talents Program"
3. Chinese Academy of Sciences' "Overseas Outstanding Talents" Candidate Recommendation (Self-recommendation) Form or Institute of High Energy Physics' Outstanding Talent Candidate Recommendation (Self-recommendation) Form

If you are interested, please send your application materials in electronic files to the contacts provided below (please indicate on the subject of the email as: name+job category+where you've obtained the job information)

Means of Contact

Contact Person: Wenli Zheng, Division for Human Resources, Institute of High Energy Physics, Chinese Academy of Sciences

E-mail: zhengwl@ihep.ac.cn

TEL: (86) 010-88235879 Fax: (86) 010-88233102

Address:

No. 19 (B), Yuquan Road, Shijingshan District, Beijing (Postcode: 100049)

For more information please go to <http://english.ihep.cas.cn/>

Are you ready to join our research and collaborations team for Radiation Oncology?

We have two new exciting opportunities within our Research and Collaborations team for Radiation Oncology professionals based out of the United Kingdom and USA.

- 1: Director of Research and Collaborations, Oncology.
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- 2: Director of Research and Collaborations, Oncology
Based in the USA.

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Responsibilities

We are looking for someone for both positions to direct, manage and execute departmental objectives responsible for partner management, identifying new collaboration partners and coordinating global Elekta sponsored research activities.

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Elekta are committed to working with our clinical partners on research into the area of Radiation Therapy. Develop and maintain an effective clinical support platform for all oncology solutions and build strong working relationships with Elekta customers and advocates.

Experience

- A Degree in a technical and clinical speciality would be preferable. (Physics, Maths, Engineering).
- A strong knowledge of Elekta's portfolio of products and a successful track record of research is essential.
- You will be required drive forward the already successful collaborations that Elekta have developed.
- Experience of planning, team leadership, negotiating skills, problem solving and senior project management needs to be demonstrated.
- Elekta encourages professional development and offers opportunities for growth within the company. Other benefits include flexible working conditions, 25 days holiday, private medical insurance and pension.

Elekta is a human care company pioneering significant innovations and clinical solutions for treating cancer and brain disorders. The company develops sophisticated tools and treatment planning systems for radiation therapy and radiosurgery, as well as workflow enhancing software systems across the spectrum of cancer care.



For further details and full job description of both positions, please visit the careers section of our website at www.elekta.com or email Lucy.Parsons@elekta.com

Human care makes the future possible





INDIANA UNIVERSITY

FACULTY POSITIONS THEORETICAL NUCLEAR PHYSICS

The Department of Physics at Indiana University invites applications for a position in theoretical nuclear physics, subject to funding and approval for appointment beginning Fall 2014. Applicants must hold a Ph.D. in Theoretical Physics or a related field at the time of appointment (August 1, 2014). Candidates will be evaluated for appointment at the tenure-track assistant professor level at a salary commensurate with qualifications and experience. Members of IU's world-class efforts in nuclear theory are also active within the newly created Center for Exploration of Energy and Matter (CEEM) that provides enhanced support for research and promotes cross-disciplinary research.

The initial position will be a bridge appointment with Thomas Jefferson National Accelerator Facility (Jefferson Lab) for a period of up to six years. During this period, the appointee will spend about half of his/her time at Indiana University and the other half at the Jefferson Lab.

The successful candidate will be expected to develop a world-class research program in any of the forefront areas of theoretical nuclear physics, with particular emphasis on those that support, strengthen and promote collaboration on the Jefferson Lab 12 GeV physics program over the next decade. The areas of specialization include the fields of perturbative and non-perturbative QCD, hadron structure and spectroscopy, hadron reaction theory, electromagnetic and weak interactions and symmetries, effective field theory, and the application of lattice QCD to all aspects of strong interactions.

A commitment to excellence in teaching at the undergraduate and graduate level is essential. Candidates should submit a letter of application, research statement, curriculum vitae including a list of publications, description of teaching interest and a minimum of three letters of reference. Applications should be submitted through the application portal located at <https://indiana.peopleadmin.com/hr/postings/475>. For questions, please contact the Physics Department at 812-855-1247. In addition, a copy of the application package should be mailed to: Dr. Michael Pennington, Associate Director for Theoretical & Computational Physics, Jefferson Laboratory, 12000 Jefferson Avenue, Newport News, VA, USA.

Applications received by January 15, 2014 will be given full consideration. Further information about the IU Physics Department can be found at <http://physics.indiana.edu>.

Indiana University is an Affirmative Action; Equal Opportunity Employer strongly committed to excellence through diversity and is responsive to the needs of dual career couples. The University actively encourages applications of women, minorities, and persons with disabilities.



TRIUMF

TRIUMF LABORATORY DIRECTOR

TRIUMF is seeking an individual with an extraordinary combination of scientific vision, accomplishment, and leadership to assume responsibility for directing the laboratory.

TRIUMF is Canada's national laboratory for particle and nuclear physics. Owned and operated as a joint venture by a consortium of 18 Canadian universities, the laboratory enables research that benefits every sector of the Canadian science, technology, and innovation enterprise and leads to major advances in particle and nuclear physics, materials science, nuclear medicine, and accelerator physics. Core financial support for operations is provided through a contribution agreement via the National Research Council of Canada. TRIUMF has a dedicated staff of 350 continuing employees, a user community of 1,000, and provides unique educational experiences and training for undergraduate students, graduate students, and postdoctoral scholars.

The successful candidate will demonstrate his or her ability to advance an organization that is recognized nationally and internationally for excellence:

Effectively lead overall strategic planning, decision making, and the development of policies and budgets

- Provide leadership in determining the scientific direction of the laboratory;
- Interact closely with relevant funding agencies and with members of the federal and provincial governments to secure financial support;
- Define objectives and approve policies for achieving employee and public safety at TRIUMF;
- Be responsible to the appropriate government agencies for regulatory compliance; and
- Report to the Board of Management on policy and carry out policy decisions.

Position the laboratory to drive societal and economic benefits for Canada

- Encourage interaction between TRIUMF researchers and industry to foster innovation and maximize the economic benefits to Canadians; and
- Promote TRIUMF to the general public.

Interact with Canadian universities and the physics community in formulating plans and in supporting community priorities

- Facilitate the use of TRIUMF's infrastructure to support Canadian-led offshore projects; and
- Develop and maintain contact with other laboratories throughout the world that have common interests.

The position requires broad insight into the research capabilities of TRIUMF and a thorough understanding of how these capabilities can be exploited and further developed. The successful candidate will have leadership experience and a research career of international distinction.

Please note the position is open to all qualified applicants, and in the case of equal qualifications, preference may be given to a Canadian Citizen or Permanent Resident. TRIUMF is an equal opportunity employer. The term of the appointment would be for five years.

Applications should include a full curriculum vitae and a statement on vision for the laboratory. The review of applications will begin on November 4 and continue until an appointment is made. Applications and inquiries should be directed to:

Professor Robert Kowalewski, University of Victoria

Chair, Search Committee

E-mail: next-director@triumf.ca

<http://www.triumf.ca/next-director>