

Recruitment

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HR
Human Resources



The Faculty of Physics of Bielefeld University invites applications for a **Professorship in Theoretical Physics (W2 with tenure track W3)**

We are looking for an outstanding scientist with international reputation, who strengthens the local research activities in the theory of fundamental interactions. Possible research directions include, but are not limited to, non-perturbative physics of the Standard Model and beyond, using approaches such as lattice field theory or relativistic hydrodynamics. Potential applications include relativistic heavy ion physics, particle physics, dark matter, compact stars, or gravitational waves.

The new professor is expected to participate and take a leading role in the Collaborative Research Centre "Strong-interaction matter under extreme conditions" (CRC-TR211). Participation in teaching the curriculum in Theoretical Physics both at the undergraduate and graduate level as well as service in faculty and university bodies are further important constituents of the professorship.

Applications from suitably qualified handicapped or severely handicapped candidates are explicitly welcome.

Bielefeld University has received a number of awards for its achievements in the area of equal opportunity and has been acknowledged as a family-friendly university. The university welcomes applications from women. This is particularly true with regard to academic positions. Applications are handled according to the provisions of the State Equal Opportunity Statute.

Employment prerequisites are a university degree, teaching ability, specialized skills for scientific work, in general documented by a doctoral thesis in physics or related fields, and additional scientific achievements which will be evaluated in the hiring procedure. Applications should include a curriculum vitae, a 2-page research and teaching concept, list of publications, list of raised third party funding, and copies of all university certificates.

Please send all material by e-mail in a single pdf file until October 31, 2018 to: dekanat@physik.uni-bielefeld.de or by regular mail to:

Prof. Dr. Jürgen Schnack,
Dean of the Faculty of Physics,
Bielefeld University, P.O. Box 100131,
D-33501 Bielefeld

Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association

ACCELERATOR OPERATION.

DESY, Hamburg location, is seeking: Postdoctoral Scientist (f/m/diverse) accelerator physics

DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics.

The European XFEL is the world leading hard x-ray free electron laser installation. The group MXL coordinates the operation of the accelerator in close collaboration with an interdisciplinary team of physicists and engineers at DESY and European XFEL. We are looking for several postdoctoral fellows to participate in the daily operation of the facility and contribute to the research and development program through their own research.

The position

- Participate in the daily operation of the European XFEL accelerator including shift work
- Independently follow a research subject in the field of numerical beam dynamics simulation, longitudinal diagnostics development or superconducting RF gun development

Requirements

- PHD in accelerator physics or equivalent
- Knowledge of relevant simulation programs
- Ability to integrate into an international team
- Ability to communicate verbally and in writing in English

For further information please contact Dr. Winfried Decking, +49-40-8998-3430, (winfried.decking@desy.de).

The position is limited to 3 years.

Salary and benefits are commensurate with those of public service organizations in Germany. Classification is based upon qualifications and assigned duties. Handicapped persons will be given preference to other equally qualified applicants. DESY operates flexible work schemes. DESY is an equal opportunity, affirmative action employer and encourages applications from women. Vacant positions at DESY are in general open to part-time-work. During each application procedure DESY will assess whether the post can be filled with part-time employees.

We are looking forward to your application quoting the reference code preferably via our electronic application System: Online-Application

Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: MPO003/2018

Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-3392

Deadline for applications: until positions are filled.

www.desy.de



FACULTY POSITION IN THEORETICAL HIGH ENERGY/PARTICLE PHYSICS

The Department of Physics and Astronomy in the College of Science at Purdue University (www.physics.purdue.edu) seeks applications for a faculty position at the level of Assistant Professor in the field of theoretical high-energy/particle physics.

This position is part of a continued expansion and investment in a large-scale hiring effort across key strategic areas in the College of Science, Purdue's second-largest college, which comprises the physical sciences, computing and life sciences. Under new leadership the college is pursuing significant new growth in the area of Quantum Information Sciences and opportunities abound for collaboration across the Colleges of Science and Engineering.

Areas of main interest to the Department are string theory and applications, phenomenology of and beyond the standard model, and theoretical cosmology but excellent candidates in any broadly defined high-energy/particle physics area will be considered. The Department is involved in the CMS, Mu2e, XENON1T/nT, LBECA and LSST experiments. Candidates are required to have a doctoral degree in physics or related field and a documented record of research accomplishments. Candidates are expected to develop a vigorous research program, supervise graduate students, and teach undergraduate and graduate level courses.

Applicants should send a curriculum vita, a brief statement of present and future research plans, a statement of teaching philosophy, and arrange for three letters of recommendation. Electronic submission at <https://www.physics.purdue.edu/searches/app/> is preferred. Questions regarding the position and this search should be directed to ppsearch@purdue.edu. Applications completed by November 15, 2018 will be given full consideration, although the search will continue until the position is filled. A background check will be required for employment in this position.

Purdue University's Department of Physics and Astronomy is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in the cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue University is an EEO/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

JOIN THE INDUSTRY, STAY IN SCIENCE

Cosylab is a global technology company that builds and integrates state-of-the-art software and electronics for the world's most complex, precise and advanced systems. Our software and hardware enables research institutes to discover scientific breakthroughs, hospitals to deliver better cancer treatment and organizations to improve their performance.

We are a team-oriented work place with extraordinary people, who can thrive and develop in numerous ways. Working hours are flexible, our culture is open, creative and friendly. With free sports activities, daily fresh fruits and Monday's pancakes we promote to have fun together! Working for Cosylab is a good way to discover genuine teamwork, fair business relations and a great experience altogether. It's an adventure!

Cosylab has an eye out for new colleagues in the Slovenian headquarters as well as in the USA and Switzerland:

- Sales Professional
- Project Manager
- Senior FPGA Developer
- Senior PLC Developer
- Senior SW Developer
- Control Software Engineer (USA)
- Software Developer (SLO / Switzerland)

For more information see our website www.cosylab.com/jobs



Institute of Physics ASCR, v. v. i., Na Slovance 2, 182 21 Praha 8

info@eli-beams.eu | www.eli-beams.eu

ELI- Beamlines (Extreme Light Infrastructure) will be the home of the world's highest energy femtosecond laser (1.5 kJ, 150 fs) and the highest repetition rate (1 PW, 10 Hz, 30fs) Petawatt laser facility. The beam transport system which connects the high power Femtosecond lasers with the experimental areas is currently designed and built in Dolní Břežany (on the southern border of Prague).

Therefore we are seeking a

Beam-Transport Project Manager

A challenging opportunity for an experienced expert to oversee and integrate all parts of the whole Beam Transport (BT) system for design, production as well as installation and testing.

The position requires the capability of interfacing with an international team of engineers, technicians and target scientists through all the stages of the development, production and installation.

Requirements:

- University degree in technical field or natural sciences (laser or optics preferable) followed by desirable five years of progressive work experience in job

- Track record in managing bigger projects
- Skills in some of the following areas are desirable: laser and optics design, testing of larger optical surfaces, design and handling of stable opto-mechanics for half to one meter size high-precision optics, laser diagnostics and controls, acceptance testing of beam transport (BT) relevant components, writing of specification documents for tenders, project management.
- Experience to work in an international multidisciplinary and multicultural team is a significant plus
- Business fluent English language skills are required

Job conditions:

- The opportunity to participate in this unique scientific project
- Career growth, professional education
- Competitive and motivating salary
- 5 weeks of holiday and other employee benefits

Applications, containing CV, cover letter; contacts of references, and any other material the candidate considers relevant, should be sent to Mrs. Jana Ženíšková, HR specialist (jana.zeniskova@eli-beams.eu, +420 - 601560322).



中国科学院高能物理研究所
Institute of High Energy Physics
Chinese Academy of Sciences

IHEP RECRUITMENT OF OVERSEAS HIGH-LEVEL TALENTS

INSTITUTE OF HIGH ENERGY PHYSICS,
CHINESE ACADEMY OF SCIENCES



The Institute of High Energy Physics (IHEP) of the Chinese Academy of Sciences (CAS) invites applications for permanent staff positions at all levels. IHEP is a comprehensive research laboratory for particle and astroparticle physics, accelerator physics and technology, radiation technologies and applications, as well as for nuclear analytical techniques and interdisciplinary research.

For More Information: <http://english.ihep.cas.cn/>

Recruitment Objectives:

Based on the needs of the research areas and the disciplines development of IHEP, we are now publicly recruiting overseas outstanding talents and scholars of relevant disciplines who possess research abilities and innovation awareness.

Programs:

- 1 National "Thousand Talents Program" (full time & part time programs) for established scientists
- 2 National "Thousand Young Talents Program" for outstanding junior scientists
- 3 Pioneer "Hundred Talents Program" of CAS for outstanding junior scientists, excellent junior detector or accelerator experts
- 4 "Outstanding Talents Program" of IHEP for scientific research or technical talents

Research Areas:

Experimental Particle and Nuclear Physics, Theoretical Physics, Astronomy and Astrophysics, Nuclear Technology, Accelerators, Neutron physics, Condensed matter physics, Chemistry, Biochemistry and Molecular Biology, Biophysics, Computing, Multidisciplinary Research.

Contact:

Office of Human Resources, Institute of High Energy Physics, Chinese Academy of Sciences

E-mail: lianggj@ihep.ac.cn Tel: (86)010-88233157 Fax: (86)010-88233102

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

Applications should include a CV, an outline of academic accomplishments, description of current research and plan for future research, 3 – 5 published papers representative of your work, and a record of citations for your work. You should arrange for 3 letters of reference from experts in your field to be sent by post or email (established scientists are not requested).

For detailed information, please visit <http://english.ihep.cas.cn/doc/2649.html>



Zurich Instruments is a technology leader in advanced test & measurement instruments utilizing dynamic signal processing. Our products are used in many research fields by demanding scientists all over the world.

To sustain our continuous growth, we are looking for an

Application Scientist Physics/EE

to strengthen our Marketing and Sales Team in Zurich. In this position, your responsibilities include

- Establish new and maintain existing customer contacts, securing future sales
- Perform scientific measurements with customers from leading research laboratories
- Represent Zurich Instruments at trade shows and visit customers around the world
- Provide application specific customer support

To make these endeavors successful, you are

a result-oriented, intrinsically motivated self-starter who loves to tackle challenges in a cooperative fashion. You perceive daily variation as a positive stimulus for your own development and you feel inspired working in a multicultural, high-tech environment. Your qualifications include

- MSc or PhD in Physics or Electrical Engineering
- Solid scientific or engineering track record including substantial lab-experience and general test & measurement know-how
- Hands-on experience with lock-in amplifiers, impedance analyzers, AWGs, PID controllers, etc.
- Excellent communication skills; English is a must, other languages are a plus, good writing skills are a tremendous plus

Zurich Instruments offers a diverse work environment with an open, sporty company culture where people development forms the base of our success. We are looking forward receiving your resume and motivation letter at career@zhinst.com.

→ find out more
www.zhinst.com/career



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UNIVERSITÄT
BERN

AEC
ALBERT EINSTEIN CENTER
FOR FUNDAMENTAL PHYSICS

The Laboratory for High Energy Physics (LHEP) and Albert Einstein Center for Fundamental Physics (AEC) at the University of Bern invites applications for **one Postdoctoral and one PhD Position in medical applications of Particle Physics**.

The two positions will be in the framework of our multi-disciplinary activities on novel radioisotopes for theranostics. We aim at producing Positron Emission Tomography (PET) isotopes by proton irradiation and alpha/beta emitters for therapy by photonuclear reactions. Most of the investigations will be performed at the Bern medical cyclotron laboratory. Thanks to its characteristic beam transport line, our group is currently developing new particle accelerator and detector methodologies for medical and other applications. Photonuclear reactions will be studied using electron accelerators.

The successful Postdoctoral candidate is expected to play a leading role in our scientific activities, in particular in the development of targets and irradiation methodologies. This will involve hardware work, data analysis and computer simulations. Applicants must have a PhD in physics or engineering and an excellent knowledge in the field of nuclear and particle physics applied to medicine. Experience with particle accelerators and detectors, targets, radiation protection and computer simulation codes will be highly considered in the selection procedure. The initial duration of the contract is for two years, extendable.

The successful PhD candidate is expected to play an active role in our scientific activities, which will involve both hardware work and data analysis. He/She must have a Master degree (or equivalent) in physics and good knowledge in the field of nuclear and particle physics applied to medicine. Experience with radiation physics, hardware, data analysis as well as knowledge of programming will be positively considered in the selection procedure. The position has a duration of up to 4 years.

Applications will be reviewed starting September 15th 2018 and accepted until the positions are filled.

Interested candidates for these roles are requested to send by e-mail a letter of application, CV, list of publications and the names and addresses of three references (no letters, these will be requested at a later stage) to:

PD Dr. Saverio Braccini
Laboratorium für Hochenergiephysik
Universität Bern
Sidlerstrasse 5
3012 Bern (Switzerland)
Saverio.Braccini@lhep.unibe.ch