

RECRUITMENT

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A very happy new year from the CERN HR Talent Acquisition team!

2019 will see plenty of new opportunities opening up for students, graduates and experienced professionals, and <http://careers.cern> is the place to find them.

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A place like nowhere else on earth. **Take part!**



HR
Human Resources



Our company: Based at the heart of the Paris-Saclay Scientific Cluster, ACS (Accelerators and Cryogenic Systems) is positioned as a specialized engineering company on design and integration of accelerators and research instruments based on superconductivity and cryogenic techniques. We offer a wide range of engineering services, from technical studies and manufacturing monitoring, to prototyping tests on technology platforms.

R&D technical manager

- Master degree in Engineering (preferences on Electronics, Electrotechnics and Computer Sciences) and/or PhD on Physics.
- Good knowledge of fundamental and applied physics, and some experience on accelerator physics will be an advantage.

Job Description:

- Participation in R & D activities on major scientific equipments in projects related to the ACS activity, in collaboration with national and international research institutions.
- Management of the Engineers and Technicians of the company
- Interaction with our consultants and industrial partners
- Development of specifications and technical requirements of the company's contracts
- Definition of the technical strategy for computer simulations
- Definition of company strategy Computer and control technology solutions applied to scientific equipments
- Representation of ACS in instances and Identification of potential customers
- Participation in activities developed in connection with research institutions

Mail: Isabelle.doucot@acsfrance.com

Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association

The location Hamburg is seeking:

Scientist (f/m/diverse) ATLAS and future experiments

DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics. More than 2400 employees work at our two locations Hamburg and Zeuthen in science, technology and administration.

The particle physics programme of DESY consists of strong contributions to the LHC experiments ATLAS and CMS, the Belle-II Experiment in Japan and to the preparation of future experiments. The experimental programme is enhanced by collaboration with a strong theory group. DESY is searching an experienced experimental physicist (f/m/diverse), who is interested in contributing to the ATLAS experiment at the LHC and to future particle physics projects at DESY.

The position

Leading role in ATLAS data analysis with focus on measurements
Participation in ATLAS detector operation or upgrade
Participation in the supervision of students and postdocs
Engagement in Research and Design for Future Experiment(s)

Requirements

- PhD in experimental Particle Physics
- Experience in data analysis and software development
- Experience in detector operations and/or development
- Outstanding teamwork abilities and excellent communication skills and knowledge of English

For further information please contact Prof. Dr. Beate Heinemann (beate.heinemann@desy.de).

Please use our online application tool to submit your complete application (Motivation letter, a CV which also details your research accomplishments, a list of your publications, and a 2-3 page statement on future research plans) and please arrange for at least three letters of reference to be sent to the DESY human resource department (recruitment@desy.de), clearly stating your name and the position identifier.

Salary and benefits are commensurate with those of public service organisations 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 via our application system:
www.desy.de/onlineapplication

Deutsches Elektronen-Synchrotron DESY
Human Resources Department | Code: FHMA051/2018 Notkestraße 85 |
22607 Hamburg | 22607 Hamburg Germany
Phone: +49 40 8998-3392
<http://www.desy.de/career>

Deadline for applications: 2019/01/31



Karlsruhe Institute of Technology

Karlsruhe Institute of Technology (KIT) – The Research University in the Helmholtz Association creates and imparts knowledge for the society and the environment. It is our goal to make significant contributions to mastering the global challenges of mankind in the fields of energy, mobility, and information. For this, about 9300 employees of KIT cooperate in a broad range of disciplines in research, academic education and innovation. The Department of Physics at KIT, as part of the Physics and Mathematics Division, invites applications for a

Professorship (W3) in Theoretical Particle Physics

at the Institute for Theoretical Physics (successor of Prof. Dr. Dieter Zeppenfeld).

KIT provides an excellent environment for research in particle physics. The Institute for Theoretical Physics is part of the KIT Center Elementary Particle and Astroparticle Physics (see www.kceta.edu for additional information). KIT hosts the Research Training Group "Particle Physics at Highest Energy and Precision" and the Karlsruhe School of Elementary Particle and Astroparticle Physics: Science and Technology (KSETA), which provides access to an excellent pool of Ph.D. students.

We are looking for an outstanding scientist working in the area of particle physics phenomenology, broadly defined. We are particularly interested in a scientist whose research focuses on collider physics, precision calculations, physics beyond the Standard Model or flavour physics. The successful applicant is expected to play an active role in the Collaborative Research Center "Particle Physics Phenomenology after the Higgs Discovery" and other coordinated research efforts at KIT.

The successful candidate will be part of a team of senior scientists who maintain and develop the research in particle physics at KIT. The appointed professor is required to teach at all levels of the undergraduate and graduate curriculum (eventually in German) and to supervise bachelor, master and Ph.D. students.

A Habilitation degree or equivalent scientific and teaching qualifications are required. The employment conditions as outlined in Art. 47 LHG (Law of Baden-Württemberg on Universities and Colleges) shall apply.

KIT wishes to increase the proportion of female professors and hence, strongly encourages qualified women to apply. Handicapped applicants having the same qualification will be preferred.

Qualified candidates should submit before **January 28th, 2019** a curriculum vitae, list of publications, as well as research and teaching statements to: **Karlsruher Institut für Technologie (KIT), Dekan der KIT-Fakultät für Physik, 76128 Karlsruhe, Germany, preferably by email to dekanat@physik.kit.edu**. For further information about this position please contact Prof. Dr. Margarete Mühlleitner, email: margarete.muehlleitner@kit.edu.

Since 2010, the KIT has been certified as a family-friendly university.

KIT – The Research University in the Helmholtz Association



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The DFG Research Training Group
Strong and Weak Interactions - from Hadrons to Dark Matter
at the University of Münster, Germany, invites applications for various

PhD Positions

(salary level TV-L E13, 75 %)

These fixed-term positions will start on April 1st, 2019 or later and are available for up to three years.

The structure of the DFG-funded Research Training Group (Graduiertenkolleg) is based on joint education and research of theorists and experimentalists in nuclear, particle and astroparticle physics as well as computer scientists and mathematicians (<http://www.uni-muenster.de/Physik.GRK2149>).

In strong interactions we aim at precision in experiments and theoretical predictions. Examples are the transition from the quark gluon plasma into bound hadrons, the parton distributions in cold nuclear matter or properties of mesons. In weak interactions we investigate more speculative questions beyond the Standard Model, especially those related to dark matter and neutrinos.

Applicants with a very good master's degree or diploma in physics are expected to submit the usual application documents (curriculum vitae, copies of transcripts and certificates) as well as two letters of reference and a letter explaining their motivation to join our Research Training Group and their research interests.

The University of Münster is an equal opportunity employer and is committed to increasing the proportion of women academics. Consequently, we actively encourage applications by women. Female candidates with equivalent qualifications and academic achievements will be preferentially considered within the framework of the legal possibilities. We also welcome applications from candidates with severe disabilities. Disabled candidates with equivalent qualifications will be preferentially considered.

Applications should be sent by **February 15th, 2019** to the spokesperson of the Research Training Group preferentially by email:

Prof. Dr. Christian Weinheimer
Institut für Kernphysik
Wilhelm-Klemm-Str. 9
D-48149 Münster
email: grk2149.info@uni-muenster.de

www.uni-muenster.de

Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association



For our location in Hamburg we are seeking:

Laser Development Scientist (f/m/diverse)

DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics. More than 2400 employees work at our two locations Hamburg and Zeuthen in science, technology and administration.

DESY's laser science and technology group is responsible for research, development and operations of high power femtosecond and picosecond lasers for particle accelerators and free electron lasers (FEL). We are currently developing photocathode Laser systems for the European X-ray free electron Laser and are seeking to employ a self-driven highly motivated Laser scientist or Laser engineer (f/m/diverse) to strengthen our Team.

The position

- Develop, design and construct high power short pulse laser systems with high stability and reliability for photoelectron guns
- Develop nonlinear frequency conversion to the UV
- Develop concepts for spatial and temporal picosecond UV laser pulse diagnostics and pulse manipulation
- Interact with laser, controls and accelerator scientists and engineers

Requirements

- Master or equivalent in Physics, Electrical engineering or similar discipline, PhD is a plus
- Experience in ultra fast laser research and development with proven track record
- Skills in high-power, high-repetition rate fiber laser development beneficial
- Basic knowledge and experience in opto-mechanical engineering is a plus
- Working knowledge of electronics, controls and software Engineering
- Ability to work independent within a team of scientists and engineers
- Ability to communicate effectively in a multilingual, multi-disciplinary research environment

For further information please contact Dr. Ingmar Hartl
(Ingmar.hartl@desy.de)

The position is limited to 2 years.

Salary and benefits are commensurate with those of public service organisations 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-timework. During each application procedure DESY will assess whether the post can be filled with part-time employees.

We are looking forward to your application via our application system:
www.desy.de/onlineapplication

Deutsches Elektronen-Synchrotron DESY
Human Resources Department | Code: FSMA079/2018
Notkestraße 85 | 22607 Hamburg | 22607 Hamburg Germany
Phone: +49 40 8998-3392
<http://www.desy.de/career>

Deadline for applications: 2019/02/12

GraduateCareers

March and October 2019

Target the best candidates for
your graduate vacancy

Contact Natasha Clarke today to find out
how to get your vacancy noticed.

E-mail natasha.clarke@iop.org
Tel +44 (0)117 930 1864

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HELMHOLTZ RESEARCH FOR
GRAND CHALLENGES



The ELI (Extreme Light Infrastructure) Project is an integral part of the European plan to build the next generation of large research facilities. ELI-Beamlines as a cutting edge laser facility is currently being constructed near Pague, Czech Republic. ELI will be delivering ultra-short, ultra-intense laser pulses lasting typically a few tens of femtoseconds with peak power projected to reach 10 PW. It will make available time synchronized laser beams over a wide range of intensities for multi-disciplinary applications in physics, medicine, biology, material science etc. The high intensities of the laser pulse will be also used for generating secondary sources of e- and p+ and high-energy photons. Our research groups are expanding and recruiting physicists and engineers.

In our team we therefore have the following positions available:

- Junior Researchers
- Postdoc/Senior Researchers
- Control Systems Specialist
- LabVIEW Software Developer
- Instrumental Scientist

For more information see our website www.eli-beams.eu and send your application, please.



Technical Director

The European Spallation Source (ESS) in Lund, Sweden, is a partnership of 13 European countries, hosted by Sweden and Denmark. Our vision is to build and operate the world's most powerful neutron source, addressing some of the most important societal challenges of our time.

ESS now invites applications for the position **Technical Director**.

- **ESS's Technical Directorate is responsible for delivery, commissioning and operations of the ESS Accelerator, Target and Integrated Control Systems. The Directorate is today also managing the ESS Engineering and Integration Support division. We are looking for an experienced leader providing inspirational Leadership and management of the ESS Technical Directorate as the organization transitions from construction to commissioning and operations.**

The Technical Director reports directly to the Director General. The Technical Director will be a member of the Executive Management Team that secures the success of ESS as a world leading research facility.

At ESS we offer people with talent and passion a unique opportunity to be involved in developing, building, and operating a world-leading facility for materials research. You will also enjoy being part of a company culture that promotes collaboration and achievement.

For more information regarding the ESS recruitment process, please look at <https://europeanspallationsource.se/ess-recruitment-process>

Submit your application as soon as possible, as we will review applications continuously, latest by **February 15th, 2019**



Laser Engineer (Ref LE14)

The expansion of our product range and continuing growth of our company have created an opportunity for a self-motivated, innovative individual to join our Laser and Optics Group designing and developing Solid-State and CO₂ lasers, and associated systems.

Who is RoFin-Sinar UK?

- We're an innovative market leader in the development of world class industrial laser products
- We take pride in having a collaborative approach with all our customers and partners
- Our lasers drive future innovations in a range of industries

What about you? Are you...

- Qualified to graduate level or above having undertaken studies in Optics and Photonics and/or have professional experience in Optics and Photonics
- Willing to grow and learn
- Flexible, and enjoy the challenge of developing real-life solutions



It would be an added advantage if you:

- Have experience of RF matching networks, opto-mechanical design and Q-switching
- Have an appreciation of mechanical and electronics engineering



What we offer at RoFin-Sinar UK

- Dual career structure into either engineering/management
- Stimulating and satisfying environment for personal growth & career development
- Competitive salary and excellent benefits package. Your success at RoFin-Sinar UK will be the result of your drive and ambition. For more company information visit www.rofin-sinar.uk



Interested?

Apply in writing quoting the reference above, with a full CV to:

Personnel Department, RoFin-Sinar UK Ltd.,
Meadow Road, Bridgehead Business Park,
Kington upon Hull, HU13 0DG
or e-mail jobs@rofin-sinar.uk



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>