

Recruitment

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**Institut de Física
d'Altes Energies**

Two research positions in advanced instrumentation and techniques for particle physics, astrophysics or medical applications

The Institut de Física d'Altes Energies (IFAE, www.ifae.es) invites candidates to apply for one of two research positions in advanced instrumentation and techniques for particle physics, astrophysics or medical applications. Appointments will be at the **tenure-track level**. Salary will be commensurate with experience. **Significant startup funds will be provided.**

Review of applications will start on 12 of March 2018 and continue until the positions are filled. The anticipated starting date is Fall 2018, although earlier appointments may be considered.

IFAE has twice been awarded with the Severo Ochoa Excellence grant by Spanish Ministry of Competitiveness, Industry and Economy, the agency funding these positions. IFAE's research lines are in particle physics, astrophysics, cosmology and instrumentation, with a strong track record of achievements in these fields. IFAE has an experienced technical division, that operates **several laboratories, clean rooms and a well-equipped mechanical workshop** (<http://www.ifae.es/eng/engineeringsupport.html>)

IFAE is located on the campus of the Universitat Autònoma de Barcelona (UAB), and is part of the Barcelona Institute of Science and Technology (BIST, www.bist.eu) a network of prestigious institutions working on topics ranging from photonics and nanosciences to chemistry, genomics and biosciences, some of which are also located on the UAB campus. ALBA, a third-generation synchrotron radiation facility, is also located in the immediate vicinity.

Applicants are required to hold a PhD in physics or related field and to have at least three years of postdoctoral research experience. **The appointees will be expected to establish and lead new competitively funded activities centered on novel instrumentation developments.**

Applications must be submitted to the email: jobs_so@ifae.es and should include a cover letter describing the applicant's qualifications and interest in the position, a CV and publication list, a statement of research interests and at least three (up to five) references from whom letters may be solicited.

IFAE is committed to equal opportunity for all and has been awarded with the EU HR Excellence in Research certificate.

For inquiries regarding these positions, please contact Prof. Manel Martínez (martinez@ifae.es)

Sending applications to the above address implies consent to the legal warning at the bottom of the IFAE Home Page.





PARTICLE PHYSICS.

DESY has openings for: DESY-Fellowships - experimental particle physics

DESY

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

DESY develops, runs and uses accelerators and detectors for the investigation of the structure of matter.

The position

Fellows in experimental particle physics are invited to participate in a project of DESY's particle physics research programme at Hamburg.

- Analysis and detector upgrade in the LHC experiments ATLAS and CMS
- Preparation of future colliders (accelerator and experiments)
- Participation in the Analysis Forum of the Helmholtz Alliance "Physics at the Terascale"
- Participation in the experiments ALPS and BELLE II
- Generic development of detectors and accelerators for applications in particle physics

Requirements

- Ph.D. completed within the last 4 years
- Experience in experimental particle physics

DESY-Fellowships are awarded for a duration of 2 years with the possibility of prolongation by one additional year.

Further informations and a link to the submission system for your application and the references can be found here:

http://particle-physics.desy.de/education__career/fellowship/index_eng.html

Please note that it is the applicants responsibility that all material, including letter of references, reach DESY before the deadline for the application to be considered.

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. There is a bilingual kindergarten on the DESY site.

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: FHFE001/2018

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

Email: recruitment@desy.de

Deadline for applications: 31 March 2018

www.desy.de

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SENIOR MECHANICAL ENGINEER

Permanent contract, reference 8134

JOB DESCRIPTION

You will join a team developing new equipment for the ESRF particle accelerator complex and experimental stations and quickly become one of the Mechanical Engineering group experts, with the following responsibilities:

- Carry out feasibility studies, engineering calculations and mechanical design studies using CAD tools for components of the accelerators and experimental lines (high stability supports, magnetic and opto-mechanical devices, motorised mechanical systems, etc.) involving high precision, stability, vacuum and cooling technologies.
- Manage large projects, including supervision of manufacturing drawings, procurement, fabrication and test phases
- Provide expertise in mechanical design on projects managed by other engineers.

PROFILE, SKILLS AND EXPERIENCE

Higher university degree in mechanical engineering or a related discipline. A relevant experience of 10 to 20 years is expected, including work on high-level design and engineering projects, engineering calculations and project management.

Please apply on www.esrf.eu/Jobs
before 18 March 2018.

The European Synchrotron (ESRF) is an international research facility based in Grenoble, France.
We are an equal opportunity employer and encourage diversity.





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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 Prague, 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.

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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>