

Recruitment

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PLEASE CONTACT US FOR INFORMATION ABOUT RATES, COLOUR OPTIONS, PUBLICATION DATES AND DEADLINES.

Accelerators | Photon Science | Particle Physics
Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association



PARTICLE PHYSICS.

**DESY, Hamburg location, is seeking:
Scientist (m/f)**

DESY

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

The particle physics programme of DESY consists of strong contributions to the LHC experiments ATLAS and CMS and to the preparation of a future linear collider. The experimental programme is enhanced by collaboration with a strong theory group. DESY is searching an experienced high energy experimental physicist, who will take a leading role in the reconstruction of charged particles in ATLAS and contribute actively to physics data analysis.

The position

- Active role in the ATLAS experiment
- Leading role in the reconstruction of charged particles and in the analysis of ATLAS data
- Participation in the supervision of students and postdocs

Requirements

- PhD in experimental High Energy Physics
- Extensive knowledge in tracking algorithms
- Experience in HEP data analysis preferentially at hadron colliders
- Outstanding teamwork abilities
- Excellent communication skills and knowledge of English

For further Information please contact Klaus Moenig +49-33762-7-7271, klaus.moenig@desy.de or Ingrid-Maria Gregor +49-40-8998-3032, ingrid.gregor@desy.de.

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. DESY operates flexible work schemes. Handicapped persons will be given preference to other equally qualified applicants. DESY is an equal opportunity, affirmative action employer and encourages applications from women. 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 or by email recruitment@desy.de

Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: EM045/2015
Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-3392
Deadline for applications: 15 May 2015
www.desy.de

The Helmholtz Association is Germany's largest scientific organisation.
www.helmholtz.de



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SELF SEEDING.

**DESY, Hamburg location, is seeking:
Postdoctoral Scientist (f/m)**

DESY

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

The accelerator physics group (MPY) at DESY (Hamburg) is pursuing the development, construction and operation of accelerators in Hamburg. For the European XFEL accelerator we are looking for a physicist (f/m) with some experience in FEL physics and accelerator operation.

The position

- Coordinate the development work towards implementation of the self-seeding option, a method to enhance the spectral brightness of the FEL radiation by inserting a crystal monochromator into the FEL radiator, within an international collaboration
- Participate in the commissioning of the European XFEL accelerator
- Pursue accelerator research at FLASH and European XFEL

Requirements

- PhD in accelerator physics or equivalent
- Experience in numerical simulations of FELs physics and preferable operation of accelerators
- Capability to coordinate a small team of engineers and physicists

For further information please contact Winfried Decking, +49 40 8998-3430.

The position is limited until 30th September 2017.

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. DESY operates flexible work schemes. Handicapped persons will be given preference to other equally qualified applicants. DESY is an equal opportunity, affirmative action employer and encourages applications from women. 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:

https://www.desy.de/about_desy/career/online_application/index_eng.html or by e-mail recruitment@desy.de

Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: EP012/2015
Notkestraße 85 | 22607 Hamburg | Germany
Phone: +49 40 8998-3392
Deadline for applications: 30th April 2015
www.desy.de

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UNIVERSITY OF BIRMINGHAM



College of Engineering and Physical Sciences School of Physics and Astronomy

**Lecturer/Senior Lecturer/Reader in Particle Physics
Instrumentation – Ref: 52822**

**Level of appointment will depend on the skills/experience of
the candidate**

**Starting salary of appointment at Lecturer level £38,511 to
£51,702. Starting salary at Senior Lecturer or Reader level
£47,328 to £71,509**

The School of Physics and Astronomy at the University of Birmingham has over 100 academic and research staff covering a broad range of research interests, along with 120 graduate students and 35 technical staff. It takes in around 180 undergraduates per year. As part of a major new strategic investment by the University in semiconductor detector instrumentation, Birmingham has appointed a new professor (Allport) to lead this activity and will make rolling appointments of 3 new academic positions. The first post, having the role to support the ATLAS Upgrade project, in the first instance, is available with immediate effect at a level dependent on the experience and qualifications of the successful candidate.

**Applicants are invited to obtain more information and submit
their application online to us, via www.hr.bham.ac.uk/jobs.
Informal inquiries can be sent to Prof Phil Allport
(p.p.allport@bham.ac.uk; tel: +44-1214144717) or Prof Paul
Newman (p.r.newman@bham.ac.uk; tel: +44-1214144617).**

Closing date: 29 May 2015.

VALUING EXCELLENCE; SUSTAINING INVESTMENT.



Post-Doctoral Opportunity in Accelerator Physics at Fermilab

**This position is for an initial period of up to three (3) years with the potential
for extension.**

Fermi National Accelerator Laboratory seeks a highly qualified candidate for a postdoctoral Research Associate position in its Accelerator Division's IOTA/ASTA Department to work on the theoretical Advanced Accelerator R&D program with the focus on the development of novel concepts for future intensity frontier experiments. The successful candidate will be accepted to participate in a comprehensive feasibility study and investigation of an integrable optics rapid cycling synchrotron as an essential component of a potential future multi-MW facility to advance neutrino science. The range of activities will also include modeling of beam dynamics effects, evaluation of technical aspects, interpretation and scientific publication of results.

Respect, understand, and value individual differences that embody the principles of diversity.

Abide by all environmental, safety, and health regulations.

Qualifications and Essential Job Functions

- Ph.D. or an equivalent degree in Physics, Accelerator Physics or related fields by the time of the appointment
- Strong record of recent accomplishments in physics
- Excellent oral and written communication skills as demonstrated by presentations at conferences and a record of publication(s) in peer-reviewed journals.

Application Instructions

**Interested candidates should submit: 1) a cover letter including a brief statement
of research interests and 2) a curriculum vitae with a list of selected publications.**

Online application: https://fermi.hodessiq.com/apply_online_1.asp?jobid=4996444

The application deadline is May 31, 2015.

For general information about this position, please contact

Dr. Alexander Valishev at valishev@fnal.gov

There is no legal requirement that Fermilab sponsor an employee for U.S. permanent residence. As a result, Fermilab will make the decision to sponsor an employee on a case-by-case basis. Fermilab will consider the following factors, among others, when determining whether to sponsor an employee for US permanent residence: performance, length of service, long-term need for the position, and cost.

Diverse People, Diverse Jobs

Fermilab is an Equal Opportunity Employer.

Minorities/Women/Disabled/Veterans are encouraged to apply.



Thinking the Future.

RESEARCH ASSISTANT / ASSOCIATE

in Experimental and Theoretical Particle/Astroparticle Physics

**RESEARCH TRAINING GROUP (GRADUIERTENKOLLEG) PARTICLE AND
ASTROPARTICLE PHYSICS IN THE LIGHT OF LHC**

OUR PROFILE

The research goal of the DFG graduate school "Particle and Astroparticle Physics in the Light of LHC" is to explore the limits of the standard model of particle physics in the era of new data from major experiments in particle and astroparticle physics. Our experimental research groups participate in the CMS and LHCb experiments at the LHC, in the AMS experiment on the ISS, in the Pierre Auger Observatory in Argentina, in the IceCube Neutrino Observatory at the South Pole, and in various neutrino physics experiments. Theoretical research focuses on electroweak symmetry breaking, physics beyond the standard model, top quark and flavour physics, dark matter and cosmology.

YOUR PROFILE

You have received an excellent university degree (master or equivalent) in particle physics, astroparticle physics or cosmology. We expect strong commitment to teamwork, excellent communication skills, and high flexibility. Please apply with a curriculum vitae, a one-page summary of your thesis, two letters of reference, and a one-page description of your research interests within the framework of the graduate school. Selection will be based on competitive evaluation. Preference will be given to those candidates whose research interests combine two of the aforementioned scientific areas.

YOUR DUTIES AND RESPONSIBILITIES

You will work in close collaboration with your advisor(s) on the scientific goals of this graduate school. You will participate in the school's training programs (e.g., seminars, special lectures, etc.), and present your work at our annual workshop.

OUR OFFER

The position is of two years with a possible prolongation of 12 months and to be filled as soon as possible. This is a part-time position (75 % of the standard weekly hours for full-time employees). The successful candidate has the opportunity to pursue a doctoral degree. The salary corresponds to level TV-L E13 of the German public service salary scale (TV-L).

RWTH Aachen University is certified as a "Family-Friendly University". We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

YOUR CONTACT PERSON

For further details, please contact

Prof. Dr. Stefan Schael

Tel.: +49 (0) 241-80-27159

Fax: +49 (0) 241-80-22661

Email: Stefan.Schael@physik.rwth-aachen.de

**For further information, please visit our website at:
www.1b.physik.rwth-aachen.de/~kolleg2012/**

Please send your application by April 30, 2015 to

Prof. Dr. Stefan Schael

I. Physikalisches Institut B

RWTH Aachen

D-52056 Aachen, Germany



Senior and Junior Researchers, Postdoctoral research assistants,
PhD students, Engineers, Physicists and Technicians at
**Extreme Light Infrastructure –
Nuclear Physics (ELI-NP)**



Extreme Light Infrastructure – Nuclear Physics (ELI-NP) will be a new Center for Scientific Research to be built by the National Institute of Physics and Nuclear Engineering (IFIN-HH) in Bucharest-Magurele, Romania.

ELI-NP is a complex facility which will host two state-of-the-art machines of high performances:

- A very high intensity laser beams from two 10 PW lasers;
- A very intense, brilliant γ beam, very low bandwidth, with $E_\gamma > 19$ MeV, which is obtained by incoherent Compton back scattering of a laser light off an intense electron beam ($E_e > 700$ MeV) produced by a warm linac.

IFIN-HH - ELI-NP is organizing competitions for filling the following positions:

Senior and Junior Researchers, Postdoctoral research assistants, PhD students, Engineers/Physicists (particle accelerators, mechanics, optics), Engineers (physics, laser, electronic, electrical, electrotechnical, instrumentation and control) and Technicians.

The jobs description, the Candidate's profiles and the Rules of Procedures of Selection can be found at <http://www.eli-np.ro/jobs.php>.

The applications shall be accompanied by the documents required in the Rules and Procedures of Selection for these positions

The applications shall be sent to the Human Resources Department at human.resources@eli-np.ro.



CERN, the European Laboratory for Particle Physics, is one of the world's largest and most respected centres for scientific research. Its core mission is the study of the fundamental constituents of matter and other elementary particles using high-energy accelerators; it addresses some of the most exciting outstanding questions in physics. The laboratory, based in Geneva (Switzerland), currently operates the most powerful accelerator in the world, the Large Hadron Collider (LHC).

CERN is an Intergovernmental Organization with 21 Member States. It employs around 2500 staff members (physicists, engineers, technical and administrative personnel). Its research facilities are used by more than 11000 scientists, coming from more than 600 institutes from all over the world and representing nearly 100 different nationalities. For more details, see: <http://www.cern.ch/>

CERN is seeking to recruit:

A Director for Finance and Human Resources

As a member of the Directorate, reporting to the Director-General, the Director for Finance and Human Resources will play a leading role in ensuring that the Organization's available and expected financial and human resources match its scientific programme and allow operation of the Laboratory's facilities. Full details of this post and how to apply can be found on <http://cern.ch/jobs/DirectorFHR>.

And

A Director for International Relations

As a member of the Directorate, reporting to the Director-General, the Director for International Relations will play a leading role in shaping and implementing the international relations strategy of the Organization, with the primary aim of securing the highest level of support from governments and funding agencies of Member-State and other countries.

Full details of this post and how to apply can be found on <http://cern.ch/jobs/DirectorIR>.

Both positions are for a five-year period, from 1 January 2016 until 31 December 2020.