

RECRUITMENT

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People Fellowship at Fermilab

The Peoples Fellowship at Fermilab seeks applications from newly minted Ph.D.s. (degree conferred within the past three years) in the following disciplines: Accelerator Physics; Accelerator-Related Technology; Particle Physics and Cosmology or related field. Post-doctoral experience is not required but may be advantageous for candidates applying from the field of particle physics and cosmology or a related field.

The Fellowship is awarded on a competitive basis and is designed to attract outstanding entry-level accelerator physicists, specialists in accelerator technologies, and high energy physics post-doctoral researchers with demonstrated leadership potential who wish to embark on a new career in accelerator physics or technology.

This exciting opportunity offers extraordinary latitude in research activities selection. Current areas of research that are of interest at FNAL include (but are not limited to): single particle and collective nonlinear dynamics of intense beams, microwave/optical stochastic and electron cooling of phase-space, high intensity proton beams, high intensity neutrino sources, high-field superconducting magnets, superconducting radio-frequency science and technology, high luminosity and high energy 1-100 TeV class future colliders for leptons and hadrons, novel accelerator concepts, accelerator controls and feedback, and computational physics, simulations and modeling.

The Peoples Fellowship provides an attractive salary and benefits package competitive with a university assistant professorship. The appointment term for candidates with less than two years post-doc experience is an initial four year appointment eligible to be considered for a second three-year term. For candidates with two or more years of post-doc experience, the term is an initial three year appointment, eligible to be considered for a second two-year term.

Qualifications and Essential Job Functions

- Ph.D. within the last three years in accelerator physics or accelerator-related technology or particle physics and cosmology or a related field
- Demonstrated ability to carry out independent research
- Demonstrated leadership potential

- Excellent oral and written communication skills as demonstrated by presentations at conferences and a strong record of publications in professional journals

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

Abide by all environmental, safety and health regulations.

Physical Activity and Work Requirements

Human Factors: Prolonged Computer Work, Visually Demanding, Tight Work Schedules, Confined Spaces

- Ability to travel by automobile and/or commercial air carrier both domestically and internationally may be required
- Ability and a willingness to work in underground experimental areas may be required

To be considered for this exceptional opportunity, candidates must submit a cover letter with statement of interest, an online CV, three (3) letters of reference, and a list of publications.

The application deadline is June 30, 2015.

Questions may be submitted via email to peoplesfellowship@fnal.gov and/or swapan@fnal.gov. Attention: Prof. Swapan Chattopadhyay, Chair, Peoples Fellowship Committee

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 U.S. 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.



IceCube WinterOver Experiments Operator

WIPAC is a research center at the UW-Madison responsible for the IceCube Neutrino Observatory at the South Pole.

Working as a team with one additional IceCube winter-over personnel, this position will be responsible for all winter-over operations of this state-of-the-art neutrino observatory.

This position is located at the Amundsen-Scott South Pole Station and reports to the Winter-over Manager in Madison, WI.

Training for two candidates is anticipated to begin in Madison, WI at the beginning of August. Deployment to the South Pole is expected to be in early October for 12-13 months with no possibility of leaving during the winter months from mid-February to mid-October.

Successful candidates will attend the NSF contractor orientation program and will be expected to pass physical and psychological evaluations to work at polar and high altitude sites for one year, as required by the National Science Foundation (NSF) Office of Polar Programs.

M.S. in Computer Science, Physics, Electrical Engineering or related field is required. B.S. in Computer Science, Electrical Engineering, or related field and substantial (equivalent to a Masters degree) experience will be considered.

For instructions to apply http://www.ohr.wisc.edu/WebListing/Unclassified/PVLSummary.aspx?pv1_num=81771

To ensure consideration, application materials must be received by April 11, 2015.

The Ruhr-Universität Bochum (RUB) is one of Germany's leading **research universities**. The University draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly **dynamic setting** enables students and researchers to work across traditional boundaries of academic subjects and faculties. The RUB is a **vital institution** in the Ruhr area, which has been selected as European Capital of Culture for the year 2010.

PROFESSOR (W2) IN EXPERIMENTAL PHYSICS IN THE FIELD OF HADRONS AND NUCLEI

The **Ruhr-Universität Bochum – faculty of Physics and Astronomy** invites applications for the position of a Professor (W2) in Experimental Physics in the field of hadrons and nuclei to start as soon as possible.

The future holder of the post will represent the subject in research and teaching.

The applicant should further demonstrate the ability to develop a productive and vigorous externally-funded research program in the field of experimental hadron physics as well as the enthusiasm and drive to teach and mentor both undergraduate and graduate students. The new professorship should complement existing activities in the field of meson spectroscopy and the successful candidate should take part in the planning and construction of experiments and detectors at the future FAIR facility in Germany. Modern detector technology is also used in medicine and the faculty has just opened a new field of studies in Medical Physics so a willingness to build up a working group in this is also desirable.

The teaching obligations are for Experimental Physics within all of the courses of study offered by the Department. The successful candidate should also participate actively in the newly created Medical Physics course of study.

Positive evaluation as a junior professor or equivalent academic achievement (e.g. habilitation) and evidence of special aptitude are just as much required as the willingness to participate in the self-governing bodies of the RUB and to generally get involved in university processes according to RUB's mission statement.

We expect further more:

- high commitment in teaching
- readiness to participate in interdisciplinary academic work
- willingness and ability to attract external funding

The Ruhr-Universität Bochum is an equal opportunity employer.

Complete applications with cover letter, full CV, statements of teaching philosophy and teaching records, publication list and a research plan should be sent to the **Dean of the faculty of Physics and Astronomy of the Ruhr-Universität Bochum, 44780 Bochum, Germany** no later than **April 2, 2015**. Further information is available at www.physik.rub.de.



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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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

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

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

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.



We are looking for a highly qualified:

Head of Division and Project Manager

For more details, have a look at:

<http://europeanspallationsource.se/vacancies>

brightrecruits.com



The jobs site for physics and engineering