

Recruitment

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RWTH AACHEN UNIVERSITY

Thinking the Future.

FULL PROFESSOR (W3)

in Theoretical Physics.

FACULTY OF MATHEMATICS, COMPUTER SCIENCE AND
NATURAL SCIENCES

We are seeking qualified applicants for teaching and research in the area of theoretical particle physics. The starting date is as soon as possible. The research should be focused on relativistic quantum field theory and phenomenology of high energy particle physics. Additional activities in the fields of astroparticle physics and/or cosmology are welcome. We expect significant contributions to the teaching program of the physics department.

A Ph.D. degree is required; additionally, Habilitation (post-doctoral lecturing qualification), an exemplary record of research achievement as an assistant / an associate / a junior professor or university researcher and/or an outstanding career outside academia are highly desirable. Ability in and commitment to teaching are essential. German is not necessary to begin but will be expected as a teaching language within the first 5 years.

The application should include supporting documents regarding success in teaching.

Please send a cover letter stating research aims and a CV to:
An den Dekan der Fakultät 1 der RWTH Aachen, Prof. Dr. G. Hiß, 52056 Aachen, Germany. The deadline for applications is March 31, 2012.

This position is also available as part-time employment per request.

RWTH Aachen University is certified as a family-friendly university and offers a dual career program for partner hiring. We particularly welcome and encourage applications from women, disabled people 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.

Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association



PARTICLE PHYSICS

DESY has openings for:
DESY-Fellowships (m/f)

DESY

DESY is one of the world's leading centres for the investigation of the structure of matter. DESY develops, runs and uses accelerators and detectors for photon science and particle physics.

The position

Fellows in experimental particle physics are invited to participate in DESY's particle physics research.

- Analysis of HERA data
- Participation in the LHC experiments ATLAS and CMS
- Preparation of the International Linear Collider ILC (accelerator and experiments)
- Cooperation in the Analysis Centre of the Helmholtz Alliance "Physics at the Terascale"
- Participation in experiments like ALPS, Belle II and OLYMPUS

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.

Please submit your application including a resume and the usual documents (curriculum vitae, list of publications and copies of university degrees) to the DESY human resources department. Please arrange for three letters of reference to be sent before the application deadline to the DESY human resource department.

Salary and benefits are commensurate with those of public service organisations in Germany. 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.

Please send your application quoting the reference code, also by E-Mail to:

Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: EM001/2012

Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-1589 |

E-Mail: personal.abteilung@desy.de

Deadline for applications: 31 March 2012

www.desy.de

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12 DOCTORAL RESEARCH POSITIONS

in Experimental and Theoretical Particle/Astroparticle Physics

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

OUR PROFILE

The DFG graduate school "Particle and Astroparticle Physics in the Light of LHC" starts April 1, 2012. The research goal of this graduate school 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 (see for details <http://www1b.physik.rwth-aachen.de/~schael/GK-LHC>). Our experimental research groups participate in the CMS experiment 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 flavor physics, dark matter, and cosmology.

YOUR PROFILE

You have received an excellent master/Diplom degree (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 candidate will be employed as a regular employee. The position is to be filled as soon as possible and is for a fixed term of two years, with a possible prolongation of 12 months. This is a part-time vacancy (75 % of the standard weekly hours for full time employees). The successful candidate has the opportunity to pursue a doctoral degree.

Salary is according to TV-L E13.

RWTH Aachen University has been certified as a "Family Friendly University".

RWTH is committed to promoting the careers of women and therefore looks forward to receiving applications by female candidates. For positions in organisational units where women are underrepresented, in cases of equal qualification, ability and professional achievement, preference will be given to female applicants unless reasons specific to an individual candidate tilt the balance in his favour. The University positively welcomes applications from suitably qualified disabled people.

YOUR CONTACT PERSON

For further information, please contact

Prof. Dr. Stefan Schael

Tel. +49 (0) 241-80-27158

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

Stefan.Schael@physik.rwth-aachen.de

Please send your application by 31 March 2012 to:

Prof. Dr. Stefan Schael

I. Physikalisches Institut B

RWTH Aachen

D-52056 Aachen, Germany

You can also obtain further information from our websites: www1b.physik.rwth-aachen.de/~schael/GK-LHC



The Abdus Salam
International Centre for Theoretical Physics



Post title **Research Scientist**
Organisational unit **The Abdus Salam International Centre for Theoretical Physics (ICTP)**
Duty station **Trieste, Italy**
Grade **P-3**
Post number **EU/TP/ITA/SC/0824**
Closing date **30 April 2012**
Purpose of post To initiate, develop and coordinate competitive research and training programmes in the field of High energy physics related to experiments at the LHC and future accelerators. To work on theoretical aspects of LHC physics.

Main responsibilities

Research:

- To undertake front-line research in "Physics at LHC and Future High Energy Colliders".
- to suggest, develop and realize scientific projects related to interpretation of results from the LHC and other accelerator experiments; to study discovery potential of future colliders; to lead a research team composed of post-doctoral fellows and visitors, with particular emphasis on visitors from developing countries
- to establish and maintain scientific contacts with CERN and other accelerator centers, to participate in working group and committees related to collider experiments; to act as a liaison between the High Energy group and other groups around the world, where front-line research is conducted in his/her areas of expertise
- to establish wide cooperation with scientists from developing countries; to identify the scientific needs of developing countries in his/her field of expertise, and to formulate the appropriate recommendations for incorporation within ICTP's programmes
- to report on results of the research at major international meetings

Management:

- to assist the Supervisor in the organization of ICTP scientific meetings as well as training programmes in the field of his/her competence
- to assist the Supervisor in reviewing applications and make selection of post-doctoral fellows, visitors and associates; to assist visitors during their stay in the Centre
- whenever needed and requested to take part in various committees set up by the Director to ensure the smooth functioning of ICTP

Teaching:

- to lecture in the High Energy Diploma and other programmes
- to supervise the Diploma thesis
- to participate in joint PhD programmes with Italian institutions

Profile:

- Ph.D. or equivalent doctoral level in physics, with speciality in High Energy.
- 4 to 7 years of post-doctoral research experience, of which preferably 2 years acquired at the international level.
- Excellent knowledge of written and spoken English.
- An appropriate attitude towards the international and multicultural characteristics involved in the assignment.

Conditions of employment:

ICTP is a world-class institution focused on research in basic sciences with the responsibility for the promotion, dissemination and support of science, especially in developing countries. It operates under the aegis of UNESCO and IAEA. This is an extra-budgetary position of a continuing nature but the duration of the appointment will be subject to the availability of funds. UNESCO's salaries are calculated in US Dollars. They consist of a basic salary and a post adjustment, which reflects the cost of living changes in a particular duty station and exchange rates. For this post, the annual remuneration will start at US\$85,482 if there are no dependants and at US\$91,578 if there are dependants, and is exempt from income tax. There is an attractive benefits package, which includes 30 days of annual vacation, home travel, education grant for dependent children, pension plan and medical insurance. The initial appointment, which is for 2 years, includes a probationary period of 12 months, and is renewable, subject to satisfactory service.

How to apply:

Candidates should use ICTP's online application system which is accessible via ICTP's intranet site at <http://www.ictp.it/about-ictp/job-opportunities.aspx>. They should include a curriculum vitae, list of publications and names of three referees. Candidates without access to the Internet may send a paper application by completing the official UNESCO CV form available at the Personnel Office, Abdus Salam International Centre for Theoretical Physics, Strada Costiera, 11, 34151 Trieste, Italy. E-mail: personnel_office@ictp.it, phone: +39-040-2240-595/596/695, fax: +39-040-2240-7593.

Department of Physics

Research Assistant in Accelerator Science

Salary is in the range £32,256 to £36,018 per annum inclusive of London Allowance

A postdoctoral Research Assistant position is available from April 2012 to work within the John Adams Institute (JAI) for accelerator science at Royal Holloway. The duration of the post is three years in the first instance, with possibility of renewal subject to funding.

The post will involve working on the LHC High Luminosity upgrade design study in the area of the collimation system, involving beam dynamics and background simulations, and will require significant collaboration with accelerator physicists at CERN.

There may be some opportunity to teach at undergraduate or postgraduate level. Further details about JAI and the work of the Royal Holloway Particle Physics Group can be found on our web site at <http://www.pp.rhul.ac.uk> Royal Holloway is one of the larger colleges of the University of London, situated in Egham in Surrey, on a pleasant campus about 25km west of central London, close to the town of Windsor and to Heathrow Airport.

Applicants should have a PhD (or be about to submit a thesis) in particle physics, accelerator physics or a related field.

Informal enquiries about the posts can be made to g.blair@rhul.ac.uk

For further details of this post and to apply online at <https://rhul.engageats.co.uk> or contacting the Recruitment Team by email: recruitment@rhul.ac.uk or tel: 01784 414241.

Please quote the reference: X0112/6820.

Closing date: 29 March 2012 in the first instance, but the post will remain open until filled.

The College is committed to equality and diversity, and encourages applications from all sections of the community.



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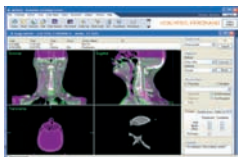
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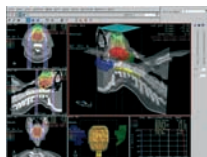
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