

Recruitment

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Director General

With 2,300 staff members, 1,600 other paid personnel and some 10,500 scientific users from almost 100 countries, the European Organization for Nuclear Research, CERN, an Intergovernmental Organization with its seat at Geneva, Switzerland, is the leading international Laboratory for fundamental research in particle physics. The annual Budget of presently about 1 billion Swiss francs is funded by 21 Member States. CERN is presently operating the Large Hadron Collider, LHC, the world's most powerful particle accelerator that provides new insights into the origin and the structure of matter and into the forces governing the Universe.

The Director-General is the Chief Executive Officer and legal representative of the Organization. He/she is directly responsible to, and shall execute the decisions of, the CERN Council, the Organization's governing and decision-making body composed of the representatives of the Member States.

The term of office of the present Director-General, Professor Rolf-Dieter Heuer ends on 31st December 2015. The Council is therefore inviting applications for the appointment of a Director-General for a five-year term of office starting on 1st January 2016.

THE POSITION

The successful candidate will:

- provide scientific and managerial leadership to the Organization;
- lead the implementation of the approved scientific programme, with emphasis on the full exploitation of the scientific potential of the LHC;
- develop strategic options for the long-term scientific programme of the Organization as an integral part of the European Strategy for Particle Physics;
- be responsible for implementation of the European Strategy for Particle Physics in collaboration with the European national laboratories and institutes in the field;
- maintain and develop close relations with Member States and non-Member States, and with the world-wide scientific user community of CERN.

REQUIREMENTS

- Capacity for providing scientific and managerial leadership for CERN, for representing the Organization in dealings with governments and other bodies in and outside the Member States and for effective building of consensus within the Organization, the Member States and internationally;
- Outstanding expertise and a high reputation in particle physics and/or closely related fields;
- Excellent communication and negotiation skills. Applicants are requested to address a letter of interest, with a detailed curriculum vitae, to the Chairperson of the Search Committee and to send it to the CERN Council Secretariat [1], before 31st May 2014.

The Council is scheduled to make the appointment in December 2014. To allow the Director-General Designate sufficient time for consultation and familiarisation with CERN, a position within the Organization can be arranged for the year 2015.

For general information about CERN: <http://cern.ch>

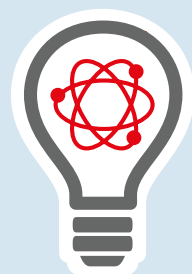
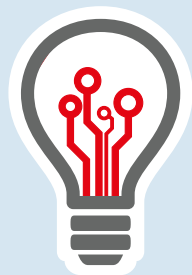
Additional information may be obtained from the Chairperson of the Search Committee; please contact the Council Secretariat[1]. An appropriate remuneration and benefits package will be offered.

In line with CERN's equal opportunities policy, both men and women are encouraged to apply.

1] CERN, Council Secretariat – L00500, CH-1211 Geneva 23
Tel. +41 22 767 28 34 – Fax. +41 22 766 62 22
council.secretariat@cern.ch

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Forschungszentrum Jülich, member of the Helmholtz Association, and RWTH Aachen University have set up the strategic research alliance JARA (Jülich-Aachen Research Alliance). This created a new platform of interdisciplinary cooperation opportunities between a university of excellence and one of the largest research centres in Europe.

The Institute of Nuclear Physics (IKP) at Forschungszentrum Jülich and the Faculty of Mathematics, Computer Science and Natural Sciences are jointly seeking a qualified applicant for teaching and research in the area

Experimental Physics – Symmetry Breaking

In accordance with the “Jülich Model”, the successful applicant will be appointed **professor (grade W2) of experimental physics** at RWTH Aachen University. We are seeking an internationally recognized scientist to work on experiments on the breaking of symmetries in the micro cosmos, especially on the leptonic CP-violation possibly through neutrino oscillations.

The position will be embedded in the JARA section FAME (Forces and Matter Experiments). FAME is trying to understand the fate of antimatter in the evolution of the universe. Its main experimental activities lie in the development of a dedicated storage ring for the measurement of the electric dipole moment of the proton and light nuclei and in the search for antimatter with the AMS-experiment on the international space station ISS. The section is extending its scope into the field of leptonic CP-violation. The research group will be part of the Institute of Nuclear Physics (IKP-2) at Forschungszentrum Jülich.

Contributions to the teaching duties of the Experimental Physics at RWTH Aachen University are expected to the amount of two hours per week (2 SWS), for example with courses in the bachelor and master programs in physics.

Successful applicants will have completed a university degree followed by a PhD and should be able to demonstrate additional scientific achievements in the form of a postdoctoral qualification, activities within the framework of a junior professorship or research work at a university, research institution or in another social sphere.

This position is also available as part-time employment per request. RWTH Aachen University and Forschungszentrum Jülich are certified as family friendly employers and offer a dual career program for partner hiring. We particularly welcome and encourage applications from women, disabled people and ethnic minority groups. The principles of fair and open competition apply and appointments will be made on merit.

Applications comprising curriculum vitae, list of publications and short summary of past and planned scientific activities and existing experience in teaching should be sent by **June 13 2014** to

Dean of Faculty of Mathematics, Computer Science and Natural Sciences
 Prof. Kowalewski
 RWTH Aachen University
 52056 Aachen

Further information:
www.fz-juelich.de and www.rwth-aachen.de

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LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

FACULTY OF PHYSICS

As one of Europe's leading research universities, Ludwig-Maximilians-Universität (LMU) in Munich is committed to the highest international standards of excellence in research and teaching. Building on its more than 500-year-long tradition, it offers a broad spectrum that covers all areas of knowledge within its 18 Faculties, ranging from the humanities, law, economics and social sciences, to medicine and the natural sciences.

The Faculty of Physics invites applications for a

Professorship (W2) (6 years/tenure track) of Theoretical Physics – Particle Physics

commencing as soon as possible.

Special emphasis will be given to candidates who work on the intersection of fundamental particle physics/gravity and their observational aspects. This includes the identification of the low energy consequences and possible experimental signatures of microscopic theories of nature in the framework of particle physics and cosmology, such as the study of fundamental physics beyond the standard model and of its phenomenological and cosmological implications for current and future experiments.

LMU Munich seeks to appoint a highly qualified junior academic to this professorship and, therefore, especially encourages early-career scholars to apply. Prerequisites for this position are a university and a doctoral degree. With an excellent record in research and teaching to date, prospective candidates will have demonstrated the potential for an outstanding academic career.

The initial appointment will be for six years. After a minimum of three years, it can be converted into a permanent position pending a positive evaluation of the candidate's performance in research and teaching as well as his or her personal aptitude and if all legal conditions are met.

Under the terms of the "LMU Academic Career Program", in exceptional cases and subject to outstanding performance in research and teaching, the position may be converted from a W2 into a W3 Full Professorship at a later date.

LMU Munich makes a point of providing newly appointed professors with various types of support, such as welcoming services and assistance for dual career couples.

LMU Munich is an equal opportunity employer. The University continues to be very successful in increasing the number of female faculty members and strongly encourages applications from female candidates. LMU Munich intends to enhance the diversity of its faculty members. Furthermore, disabled candidates with essentially equal qualifications will be given preference.

Please submit your application, comprising a curriculum vitae, documentation of academic degrees and certificates, list of publications and research statement, in both printed and electronic form, to the **Dean of the Faculty of Physics, Schellingstr. 4, D-80799, Munich, Germany, dekanat@physik.uni-muenchen.de, no later than May 31, 2014.**

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The International Institute for Accelerator Applications at the University of Huddersfield is offering a new and unique 12 month taught Master's course in Accelerator Science, providing a comprehensive training in the subject. Its graduates will be well matched to jobs working with accelerators, or to proceeding to a PhD.

Students learn using the computer packages (MAD, COMSOL, LabView, GEANT4, R and LaTeX) that accelerator scientists actually use. Through short projects with these they learn skills useful in their later career, and appreciated by those already in the field.

This is complemented by short laboratory experiments, meeting the subject hands-on: magnets, RF power, beam deflection and focusing, signal measurement, and more.

Students also write a dissertation on a research project, chosen to suit individual talents and plans.

The course is suitable for students with a Bachelor's degree in physics, or similar, wanting to specialise in Accelerator Science.

Students will be coming from very different backgrounds, so the course is designed to be flexible and allow for divergence. The University of Huddersfield has a strong system of student support: services, libraries, sports facilities and pastoral care. With students from over 120 countries on the campus, students from outside the UK soon settle in.

For details see <https://www.hud.ac.uk/research/researchcentres/iaa/researchdegrees/mscddegrees/>

European XFEL SEIZE THE CHANCE

European XFEL is a multi-national non-profit company that is currently building an X-ray free-electron laser facility that will open up new areas of scientific research. When this facility is completed in 2015, its ultrashort X-ray flashes and unique research opportunities will attract scientists from all over the world to conduct ground-breaking experiments. We are a rapidly growing team made of people from more than 20 countries. Join us now!

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Find out more about our exciting opportunities for scientists, engineers and graduate students. Help develop X-ray instrumentation and other systems. Help create a research facility of superlatives that will provide X-rays of unique quality for cutting-edge research in physics, chemistry, the life sciences and materials science.

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Senior and Junior Researchers, Postdoctoral Research Assistants, Engineers 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, where beams from two 10 PW lasers are coherently added to get intensities of the order of $10^{23} - 10^{24}$ W/cm²;
- A very intense ($\sim 10^{13}$ γ/s), brilliant γ beam, $\sim 0.1\%$ 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, Engineers and Technicians. The job description, the Candidates' profiles and the Rules and Procedures of Selection can be found at www.eli-np.ro.

The applications shall be accompanied by the documents requested 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.



FOM announces the search for a new

DIRECTOR OF NIKHEF

URL: <http://cerncourier.com/cws/job/J000008202>

The end of the fixed term appointment of the current director Frank Linde will be reached by 1 December 2014. FOM, the formal employer of the Nikhef director, has started a search for his successor.

The deadline for applications is 15 May 2014.

The international search committee will interview the top candidates in June 2014 in Amsterdam.

More information can be found on www.fom.nl and on www.nikhef.nl.

Should you have any questions regarding this search, or want to bring suitable candidates, especially women, to the attention of the committee, you can contact Dr. Wim van Saarloos, director of FOM, at wim.van.saarloos@fom.nl.



Fermilab offers Intensity Frontier Fellowships to outstanding researchers in the areas of neutrino physics, muon physics, and other topics in the Intensity Frontier. Fellows will receive funding to allow enhanced participation in Fermilab experimental and data analysis efforts, in relevant areas of particle physics theory, or in future projects. The fellowships provide the ability for researchers to spend significant time at Fermilab working within the Intensity Frontier Department, with the goal of expanding and sustaining an intellectual center of excellence within the laboratory and the department.

Successful candidates will ordinarily be resident at Fermilab for 50% or more of the duration of the Fellowship.

- Term: 6 months to 1 year.
- During the requested award period, candidates must be employed by a U.S. or non-U.S. institution. Fermilab employees are not eligible.
- Renewable to maximum of 2 years, with new proposal.
- Financial support: up to 50% of researcher's overall compensation, with remainder from researcher's home institution.
- Awards may include a travel budget.

Application Information

Applications for the current round of awards will be accepted until 11 May, 2014. It is anticipated that awards will be given out twice yearly. Applicants should be notified by 25 May, 2014.

Applications should be made electronically via:
<https://academicjobsonline.org/ajo/jobs/3940>

Further queries should be sent to:
intensity_frontier_fellowships@fnal.gov



KEK, High Energy Accelerator Research Organization

Call for Nomination for Next Director-General of KEK

KEK, High Energy Accelerator Research Organization, invites nominations for the next Director-General whose term will begin April 1, 2015.

KEK is an Inter-University Research Institute Corporation open to domestic and international researchers, and comprises the Institute of Particle and Nuclear Studies, the Institute of Materials Structure Science, the Accelerator Laboratory, and the Applied Research Laboratory. KEK pursues a wide range of research activities based on accelerators, such as particle and nuclear physics, material sciences, biosciences, accelerator physics and engineering, etc.

The role of Director-General, therefore, is to promote with long-term vision and strong scientific leadership, the highly advanced, internationalized, and inter-disciplinary research activities of KEK by getting support from the public. The successful candidate is also expected to establish and carry out the medium-term goals and plans.

The term of appointment is three years. When reappointed, the term can be extended up to 9 years.

We widely accept the nomination of the candidates regardless of their nationalities.

We would like to ask you to recommend the best person who satisfies requirements for the position written above.

Nomination should be accompanied by: 1) letter of recommendation, 2) brief personal history of the candidate, and 3) list of major achievements (publications, academic papers, commendations and membership of councils, etc.). The nomination should be submitted to the following address no later than **May 30, 2014**:

Documents should be written either in English or in Japanese.

Forms are available at :
<http://legacy.kek.jp/intra-e/info/2014/030109/>.

Hiroshi Takeda

The Chair of Director-General Selection Committee
High Energy Accelerator Research Organization

Inquiries concerning the nomination should be addressed to:

General Affairs Division
General Management Department
KEK, High Energy Accelerator Research Organization
1-1 Oho, Tsukuba, Japan 305-0801

Tel +81-29-864-5114 Fax +81-29-864-5560

Email: shomu@mail.kek.jp



Chair in Accelerator Physics (Associate Director of the Cockcroft Institute)

Salary: Professorial (minimum £60,266)

Reference: A907

And

Lecturer in Accelerator Physics

Salary: £37,756 to £45,053

Reference: A909

Closing date: Thursday 1st May 2014

As a founding member of the Cockcroft Institute and with the UK's highest ranking physics department in the 2008 Research Assessment Exercise, Lancaster University is seeking to appoint a Chair in Accelerator Physics (Associate Director of the Cockcroft Institute) and Lecturer (Assistant Professor) in Accelerator Physics to further consolidate the Institute's international profile. The successful applicants will be expected to advance experimental research in accelerator physics in close collaboration with Institute members in the Physics & Engineering Departments, other universities, and Daresbury and Rutherford Appleton Laboratories.

You must have a Ph.D. in accelerator physics, particle physics, electrical engineering or a related discipline, with an outstanding research and publications record and a high level appreciation and grasp of potential future international accelerator developments.

Informal inquiries about the institute may be made to Professor Swapan Chattopadhyay, swapan@cockcroft.ac.uk. For information about the Lancaster University Physics Department: Professor Peter Ratoff, p.ratoff@lancaster.ac.uk.

The Lancaster University Department of Physics is strongly committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our department.

