

The Strategic Helmholtz Alliance "Physics at the Terascale" (<http://www.terascale.de>) is a research network supported by the Helmholtz Association and comprises the research centres DESY and FZ Karlsruhe, 17 German universities, and the Max-Planck Institute for Physics. In the framework of the worldwide endeavour of studying the foundations of matter using accelerators with highest energies, the Alliance will sustainably bundle and advance the expertise and strengths of the participating institutes.



Helmholtz Junior-Professorship (W1) in Experimental Particle Physics

In the Institute for Nuclear and Particle Physics at the Faculty of Science we have an immediate opening for a tenure track

The successful applicant will lead a "Young Investigator Group" of the Helmholtz Alliance. He/she will be engaged in data analysis of the ATLAS experiment at the LHC as well as in detector R&D for the "International Linear Collider", ILC. Close collaboration is expected with the research groups on experimental and theoretical particle physics and with the electronics lab of the institute. The candidate is expected to participate in general teaching activities of the Department of Physics and especially in teaching of the advanced level courses in "Nuclear and Particle Physics".


We are looking for applicants with a Ph.D. in experimental particle physics, whose excellent achievements as a Post-Doc in an international particle physics collaboration qualify them as a leader of a "Young Investigator Group". The group will be funded from the Helmholtz Alliance.

Employment prerequisites are in accordance with the Saxony University rules and regulations (§ 46 Saxony University Statutes – new version). Accordingly, the candidate will have completed a university degree, have the educational qualifications, as well as specialized knowledge in research work (normally an excellent doctorate /PhD). Junior Professors will be offered up to a four year contract. This contract, after a positive intermediate evaluation, can be extended for a total of up to 6 years (§ 45 of the Saxony University Statutes - new version). Subject to a successful final evaluation a tenured position of a senior staff scientist will be granted at the institute after the end of the Junior-Professorship. Applications for professorships within Technische Universität Dresden are possible after the successful intermediate evaluation in line with the rules of the Saxony University Statutes.

Applications from women are particularly welcome. The same applies to the disabled.

Please submit your application together with your CV, your scientific employment record, list of publications, copies of the certificate of your highest academic degree and copies of 5 publications before **October 15, 2007** in electronic form to prodekan@physik.tu-dresden.de (note, that currently no receipt of digitally signed or encrypted documents is possible) and in written form to:

TU Dresden, Dekan der Fakultät Mathematik und Naturwissenschaften, Herrn Prof. Dr. M. Ruck, 01062 Dresden, Germany.



Fakultät für Physik

**The Department of Physics of Georg-August-Universität Göttingen
Invites application for a
Helmholtz-Juniorprofessorship (Salary scale W1 BBesO)
of Theoretical Physics, in particular High Energy Particle Physics and
Phenomenology**

to be filled by January 1, 2008 (temporary appointment into civil service for an initial period of 3 years with a possible extension of another 3 years).

The successful applicant is expected to do research in the fields of
Phenomenology of elementary particles and Physics at the Terascale

The objects of research are to supplement the current and future range of research topics of the group Experimental Particle Physics in the Department of Physics in the field of elementary particle physics at the Terascale (at LHC and ILC) and be closely integrated into the Helmholtz Alliance on "Physics at the Terascale". The successful candidate is expected to take part in teaching the subject of theoretical physics (Bachelor's and Master's courses) as well as the specialization subject of particle physics.

Preconditions for appointments are laid down in § 30 of the Law on Higher Education of Lower Saxony of February 26, 2007 (official law gazette of Lower Saxony, Nds. GVBl 5/2007, p. 69). In case the completion of the doctorate was preceded or followed by employment as an academic assistant or collaborator, the period of the doctorate and the period of employment together should not exceed six years.

Further details can be obtained on request.

We explicitly welcome applications from abroad.

Under certain circumstances part-time employment is possible. Disabled persons with corresponding aptitude for the position will be favoured. The University strives to increase its proportion of female staff and expressly encourages qualified women to apply.

Applications, including a CV, a description of your teaching and research track record, a list of publications and a list or reprints of the five most important publications are requested by **October 15, 2007** and should be sent to

Georg-August-Universität Göttingen
Fakultät für Physik
Der Dekan
Friedrich-Hund-Platz 1
37077 Göttingen



Universität Karlsruhe (TH)
Research University · founded 1825



Karlsruhe Institute of Technology

The Institute for Theoretical Physics at the University of Karlsruhe (TH) has an opening in **Theoretical Particle Physics** for the

Leader of a Young Investigator Group on Monte Carlo Development

We are looking for a theoretical physicist with expertise in collider physics and the development of parton shower and hadronization Monte Carlo programs who will head a new Young Investigator Group which is being established at the Institute for Theoretical Physics within the Helmholtz Alliance *Physics at the Terascale*. The applicant should have a strong research background with several years of postdoctoral experience in particle physics phenomenology and Monte Carlo development for physics at the Large Hadron Collider.

The position is funded by the Helmholtz Alliance until June 2012 and remunerated according to the TVöD regulations for scientific employees. After this date, the position may become that of a permanent scientific employee at the Institute for Theoretical Physics. The position can be filled January 1, 2008.

The University aims to increase the number of female scientists and especially welcomes applications from women. Handicapped persons with equal qualifications will be preferred.

Interested candidates are requested to submit their CV, description of professional experience and a statement about past and planned research activities before **November 1, 2007**, and should arrange for two letters of recommendation. Applications should be sent to

Frau Renate Weiss
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Universität Karlsruhe (TH)
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E-Mail: weiss@particle.uni-karlsruhe.de
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E-Mail: dieter@particle.uni-karlsruhe.de

The Faculty of Mathematics and Natural Sciences I of Humboldt University Berlin at the Institute of Physics has an opening for a



Helmholtz Junior-Professorship (W1) for "Phenomenology of Elementary Particle Physics beyond the Standard Model"
starting January 1st, 2008.

The successful applicant will conduct research and teaching in the area of theoretical elementary particle physics. Preferred areas of research are model building and phenomenology beyond the standard model and/or precision calculations of scattering processes with modern techniques.

The candidate is expected to meaningfully complement the existing research activities in theoretical particle physics and to support the accelerator based experimental elementary particle physics at the institute. Her/his activities should be closely integrated into the Helmholtz-Alliance "Physics at the Tera Scale". Co-operations with DESY, Zeuthen and the Collaborative Research Center 647 "Space-Time-Matter" are desired. The successful applicant is expected to participate in the general teaching duties of the institute at the undergraduate and graduate level in the subject of theoretical physics.

Applicants have to fulfil the employment requirements for junior-professors according to Berlin University law §102a.

Humboldt University Berlin intends to increase the number of women in research and teaching and particularly encourages female scientists to apply. Applications of scientists from abroad are particularly welcome. In case of equal qualifications handicapped applicants will be favoured.

Please submit your applications including the standard documents along with a short research statement referring to opening number JP007/07 to the

Dean of the Faculty of Mathematics and Natural Sciences I, Prof. Dr. Limberg, Unter den Linden 6, D-10099 Berlin, Germany. Deadline is **October 1, 2007**.
For further information on junior-professorships as well as on the tenure track procedure for a possible W2/W3 professorship appointment see http://forschung.hu-berlin.de/research/young_scientists/junioprofessuren/