

RECRUITMENT

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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
- Preparations 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 and OLYMPUS

Requirements

- PhD 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. Three letters of reference shall be arranged to be sent to the DESY human resources 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 an English-speaking 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: 100/2010

Notkestraße 85 | 22607 Hamburg | Germany

Phone: +49 40 8998-3392 | E-mail: personal.abteilung@desy.de

Deadline for applications: 25 October 2010

www.desy.de

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



University of Hamburg



The University of Hamburg, Faculty of Mathematics, Informatics and Natural Sciences Institute for Experimental Physics, will have positions open for one

POST-DOC RESEARCH ASSOCIATE IN ACCELERATOR PHYSICS

– salary group E13 TV-L (39 hours per week) – and one

PHD (DOCTORAL) POSITION IN ACCELERATOR PHYSICS

– salary group 3/4 E13 TV-L –

The short-term contracts will end on June 30, 2013, see also § 2 of the Academic Fixed-Term Contract Law (Wissenschaftszeitvertragsgesetz). The university intends to increase the number of women amongst its academic personnel and expressly encourages qualified women to apply. In compliance with the Hamburg Equal Opportunity Law, preference will be given to qualified female applicants.

Embedded within international collaborations, the Institute for Experimental Physics conducts research on particle physics, detector development, accelerator physics and X-ray physics. There is a close collaboration with the Deutsches Elektronen-Synchrotron DESY located on the same campus. The Accelerator Physics Group participates in ambitious physics research at accelerators at DESY like the storage ring PETRA III, the free-electron laser FLASH operating in the vacuum-ultraviolet wavelength range, the European X-Ray Laser Laboratory XFEL and the planned International Linear Collider ILC.

Responsibilities:

The successful candidate's duties include participation in beam dynamics studies and operation of FLASH with ultra-short electron bunches as well as the layout, construction, commissioning and operation of components for the characterisation of the electron beam at FLASH for these conditions. The topic of the PhD can be adapted to the interest of the candidate in the frame of this project. As a part of their contract, research associates will have the opportunity to conduct independent research and further their academic education as well as acquire teaching experience.

Requirements:

Candidates must hold a university degree in physics or electrical engineering, and PhD is required for the post-doc positions. Experience is expected in one or more of the following areas: femtosecond synchronization; fiber-optics; ultra-short fiber laser; high frequency (GHz) RF design; accelerator physics; particularly the diagnostics and dynamics of short electron bunches; interaction of light with relativistic electrons; optics for infrared radiation.

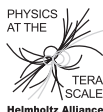
Preference will be given to disabled applicants with equal qualifications. Application dossiers (application letter, curriculum vitae, photocopies of degree certificates and names of two potential referees) are to be submitted by October 23, 2010 to Dr. J. Rönsch-Schulenburg, Institut für Experimentalphysik, Universität Hamburg, D-22761 Hamburg, or juliane.roensch@desy.de.

For more information please contact: Dr. J. Rönsch-Schulenburg (juliane.roensch@desy.de, Tel. +49(0) 8998-5492) or Prof. Dr. J. Rossbach (joerg.rossbach@desy.de, Tel. +49(0) 8998-3617).

GATEWAY TO THE WORLD OF SCIENCE



University of Hamburg



The University of Hamburg offers two positions within the framework of the Helmholtz Alliance „Physics at the Terascale“ for a

POSTDOCTORAL RESEARCH ASSOCIATE

and a

RESEARCH ASSOCIATE (PHD STUDENT)

IN PLASMA ACCELERATOR SCIENCE

The postdoctoral position is a full-time, the PhD-position a 50% part-time appointment in salary group 13 TV-L starting on November 15, 2010. Both positions are initially available for two years with the possibility of extension.

The researchers will join the newly founded Helmholtz Young Investigator Group for Plasma Accelerator Science situated at DESY in Hamburg. They are supposed to help define the future scope of plasma accelerator research in Hamburg and to significantly contribute in experiment and theory to the development and investigation of plasma accelerators, plasma-accelerated particle beams and their applications. Their work will be carried out in close collaboration with partners around the world.

Requirements for the postdoctoral position: a doctoral degree in physics or a related field is mandatory. Applicants are expected to have a background in laser-plasma and/or accelerator science.

Requirements for the PhD position: an academic degree (Master or Diploma) in physics or a related field is mandatory. Applicants are expected to show interest in laser, plasma and accelerator research.

Interested candidates are requested to submit their application dossiers (including the application letter, CV, degree certificates, list of publications, and the names of at least two referees) by e-mail to Dr. Jens Osterhoff (jens.osterhoff@desy.de) no later than October 15, 2010.

For further information or questions regarding these job offers please contact Dr. Jens Osterhoff (jens.osterhoff@desy.de) or Prof. Dr. Eckhard Elsen (eckhard.elsen@desy.de).

The unabridged versions of these job openings can be found under http://www.verwaltung.uni-hamburg.de/stellenangebote/wissmit/Physics_e_10-10-15_e.pdf and http://www.verwaltung.uni-hamburg.de/stellenangebote/wissmit/Physics_10-10-15.pdf.

GATEWAY TO THE WORLD OF SCIENCE

The Excellence Cluster for Fundamental Physics

'Origin and Structure of the Universe'



RESEARCH FELLOWS in Astrophysics, Cosmology, Nuclear and Particle Physics

The Cluster of Excellence 'Origin and Structure of the Universe' is a joint research institution at the Technical University Munich funded by the Excellence Initiative of the Federal Government of Germany. It is a co-operation by the physics departments of the Technical University Munich and the Ludwig-Maximilians University, four Max-Planck Institutes (MPA, MPE, MPP, IPP) and ESO. The main goal of the Cluster is to solve fundamental questions of astrophysics and cosmology by interdisciplinary research.

For our **FELLOWSHIP PROGRAM** we are looking for excellent young scientists on the postdoc level who will pursue their individual research activities and are interested in a strong collaboration with existing Cluster research groups. Fellows benefit from an ideal scientific infrastructure at the Campus Garching and the attractions of the Munich area. The duration for **contract is 2 years**. Fellows receive their **own budget** for running costs.

The advancement of women in the science is an integral part of the cluster and the university's policy. Women are therefore especially encouraged to apply. Persons with disabilities will be given preference to other applicants with equal qualifications.

Application

Applicants should prepare a covering letter and the following documents as PDF files: a CV, a publication list, certificates (diploma, PhD), past research activities and a research plan. These files can be uploaded in the job section on the Cluster website www.universe-cluster.de. Further, applicants are asked to arrange for three letters of recommendation to be sent by e-mail to andreas.mueller@universe-cluster.de. The closing date for receipt of applications is **15 November 2010**.

Contact

Technische Universität München · Excellence Cluster Universe
Dr. Andreas Müller · Boltzmannstrasse 2
85748 Garching · Germany

Jefferson Lab

Thomas Jefferson National Accelerator

is a U.S. Department of Energy, Office of Science laboratory that has a central and unique role in the field of nuclear physics, both in the U.S. and worldwide. Jefferson Lab's present and future program is as a world leader in hadronic physics and superconducting accelerator technologies. The primary nuclear physics facility is the Continuous Electron Beam Accelerator Facility currently operating at 6 GeV and being upgraded to 12 GeV. The laboratory has an international user community numbering approximately 1,300 physicists. Jefferson Lab is currently seeking outstanding individuals to fill three senior leadership positions.

Associate Director for Experimental Nuclear Physics

The Associate Director for Experimental Nuclear Physics is responsible for the execution of the experimental nuclear physics program. Responsibilities include the management of the Experimental Physics Division of approximately 140 staff, including 85 scientists and engineers. The division is responsible for the experimental nuclear physics program including the management of the experimental operations schedule for the program

in conjunction with the accelerator division and matched to the available resources.

The Associate Director participates in strategic planning, policy formation, budgeting, and science initiatives. The Associate Director represents the laboratory with government agencies, the international physics community, other laboratories, universities, as well as stakeholders.

The successful candidate will be a distinguished scientist with a proven record of physics research leadership and publication in nuclear physics or a related field. The candidate will have demonstrated leadership, communication skills, ability to manage resources, personnel, and technical knowledge relevant to accelerator-based experimental nuclear physics. A Ph.D. and substantial history of relevant experience in Nuclear Physics or related field, including increasing responsibility in nuclear physics research projects are required. The candidate will also have proven negotiation and interpersonal skills to develop and maintain excellent relations with internal and external stakeholders.

Deputy Associate Director Experimental Nuclear Physics

The Deputy Associate Director participates in all aspects of the management of the Experimental Nuclear Physics Division and reports to the Associate Director. The Physics Division has primary responsibility for the operation and continuous upgrading of the Jefferson Lab nuclear physics experimental

The **Faculty of Natural Sciences** offers at the Erlangen Centre for Astroparticle Physics (ECAP) in the Department of Physics two tenured

W2-Professorships in Experimental Physics

(succession of Prof. Dr. E. Steffens and Prof. Dr. C. Stegmann)

The successful candidate will represent experimental physics in research and teaching. We seek candidates who are internationally recognised experts in experimental astroparticle physics or in closely related fields of particle physics. It is expected that the successful candidates will extend or adequately supplement the current research activities in the Erlangen Centre for Astroparticle Physics (ECAP), i.e. ground-based gamma ray astronomy, neutrino astronomy, and detector development. Links to the other ECAP research areas (astronomy, quantum gravity) would be desirable. Teaching requirements include, but are not limited to, modern particle physics.

Qualifications include university undergraduate and doctoral degrees, good teaching skills, and a habilitation or equivalent other qualification, which may have been gained outside the University or within a "Juniorprofessur".

The successful candidate will be expected to take over administrative duties and also to attract external funding.

At the time of appointment the candidate must not exceed 52 years of age. The Ministry for Science, Research and Art, with approval by the Ministry of Finance, may grant exemptions to this rule. The appointment will be made by the University of Erlangen-Nürnberg.

The University of Erlangen-Nürnberg is an equal-opportunity employer and is committed to a profamily policy. We strongly encourage women to apply in an effort to increase female representation in research and teaching.

The University of Erlangen-Nürnberg pursues a policy of intensive study support for its students and therefore requires that its teaching staff maintain a substantial student contact time by being present at the university.

All other qualifications being equal, handicapped persons will be given priority.

The positions are to be filled as soon as possible.

Application documents (curriculum vitae, list of publications and teaching activities, copies of degree certificates but no publications) and a brief statement of research interests must be sent not later than **November 1st, 2010**, to: Dekan der Naturwissenschaftlichen Fakultät der Universität Erlangen-Nürnberg, Universitätsstrasse 40, D-91054 Erlangen, Germany.

**Friedrich-Alexander-Universität
Erlangen-Nürnberg**



www.uni-erlangen.de



**For the best careers
in physics**

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The newly established **International Institute of Physics of the Federal University of Rio Grande do Norte (IIP-UFRN)** in Natal, Brazil, seeks candidates for five Visiting Full Professors and thirteen Postdoctoral Associates in Theoretical Physics. The IIP will favor candidates with broad scientific interests and experience in the fields of: Condensed Matter Theory, Statistical Physics, Complex Systems, Mathematical Physics, String Theory, Quantum Field Theory, High Energy Physics, Astrophysics and Cosmology.

The starting date of these appointments is negotiable and it can start as early as February, 2011. All positions can be extended up to four years. Applicants for the Visiting Professorships should send their CVs with a list of recent publications, a statement of research interests and a tentative research plan. Applicants for the Postdoctoral positions should add to this list of requirements three recommendations letters. All these documentation should be sent directly to visitingpositions@iip.ufrn.br.

For further information access our website <http://www.iip.ufrn.br/>

HEP (ATLAS) Post Doc Position for UNIVERSITY OF JOHANNESBURG – Faculty of Science, Department of Physics

The Physics Department seeks to appoint a Post Doctoral Research Fellow in Experimental High Energy Physics (HEP) at its Auckland Park Kingsway Campus.

Applications are welcomed.

The University of Johannesburg is a founding member of the SA-ATLAS group and is also part of the SA-CERN Programme. The group currently comprises two staff members and three graduate (PhD, MSc) students. The group is working closely with Ketevi Assamagan (co-convenor of the Higgs working group), focusing on Higgs and SUSY physics with an emphasis on the muon sector. The HEP research infrastructure includes the University of Johannesburg Research Cluster (280 cores, 8GB storage) which is a component of South African National Grid with both OSG and gLite interoperability. This cluster is currently in the process of becoming an ATLAS - Tier 3 site attached to BNL. The successful applicant is expected to conduct their own research within the area mentioned above as well as to mentor the students in the group. An on-site visit to CERN of an aggregate period of at least 6 months per year is included.

The duration of the Post Doc funding is two years and can be extended by application for additional years. The Physics Department has 21 teaching members, and the successful Post Doc candidate would be welcome to consider a small teaching load if they wish to. The University is situated in the leafy suburbs of Johannesburg North, in a cosmopolitan area in excellent relationship to all services and facilities of a modern city.

Requirements: A completed PhD degree in Physics with experience in experimental High Energy Physics. Previous ATLAS experience will be an advantage.

Assumption of duties: As soon as possible.

Enquiries: Prof SH Connell, tel: +27 11 559-4380. mail: shconnell@uj.ac.za

Web sites:

<http://www.uj.ac.za>, <http://physics.uj.ac.za>, <http://physics.uj.ac.za/wiki/psi/ATLAS/ATLAS>

Field of interest: hep-ex. Deadline: October 2010. Contact: Simon H Connell.

Email: shconnell@uj.ac.za

Letters of Reference should be sent to: shconnell@uj.ac.za

facilities installed in Halls A, B, C, and D. The Deputy also serves as the Division Safety Officer and manages to oversee the Physics Division EH&S program.

The Deputy Associate Director provides support for the infrastructure necessary for assuring a user-friendly atmosphere, serves as a member of the Technical Advisory and Scheduling Committees, and advises the Associate Director on short-range experimental priorities. In particular, the Deputy has primary responsibility for overseeing/managing the details of the beam time schedule consistent with the broad directions defined by the Scheduling Committees.

The successful candidate will be an internationally recognized scientist in nuclear physics or a related field. The position requires a Ph.D. and significant relevant experience in Nuclear Physics or related field, and a demonstrated track record of resource and technical management or significant projects in design, construction, commissioning and/or operation.

Hall A Group Leader

The Hall A Group Leader provides overall management of the physics research group for the hall. This includes leading the development of the research program through collaboration with users, staff, and advisory committee. The Hall leader oversees the staging and execution of the

scientific experiments. Additionally, the Hall Leader is responsible for the provision of appropriate experimental equipment for the balance of operations at 6 GeV and with special emphasis on the 12 GeV era, which will begin in 2013. The responsibilities also include management of all Hall scientific, post doc, engineering and technical staff, budgeting, planning and resource allocation.

The successful candidate will be an internationally recognized expert in the forefront of nuclear/ particle physics. A record of scientific excellence as demonstrated by extensive publication in nuclear/ particle physics is required. A Ph.D. in Experimental Nuclear or Particle Physics or the equivalent combination of education, experience, and specific training is required.

Interested candidates should submit a CV, publication list and letters of reference.

More information or to apply: <http://www.jlab-jobs.com/>

TJNAF is an Equal Opportunity/ Affirmative Action Employer.

Jefferson Lab



Postdoctoral Research Positions LIGO Laboratory

California Institute of Technology (Caltech)
Massachusetts Institute of Technology (MIT)

The Laser Interferometer Gravitational-Wave Observatory (LIGO) has as its goal the development of gravitational wave astronomy. The LIGO Laboratory is managed by Caltech and MIT, and is sponsored by the National Science Foundation. It operates observatory sites equipped with laser interferometric detectors at Hanford, Washington and Livingston, Louisiana. The initial detectors have achieved design sensitivity and a data set spanning more than a year of coincidence operation has been collected. Analysis is ongoing, with extensive participation by the LIGO Scientific Collaboration (LSC). Further observation is now underway, with incrementally improved instruments. A major upgrade (Advanced LIGO) is underway in parallel. In addition, a vigorous R&D program supports the development of enhancements to the detectors as well as future capabilities.

The LIGO Laboratory may have several postdoctoral research positions at Caltech, MIT and at the two LIGO observatory sites. Successful applicants will be involved in the operation of LIGO itself, analysis of data, both for diagnostic purposes and astrophysics searches, as well as the R&D program for future detector improvements. Expertise related to astrophysics, modeling, data analysis, electronics, laser optics, vibration isolation and control systems is desirable. Most importantly, candidates should be broadly trained physicists, willing to learn new experimental and analytical techniques, and ready to share in the excitement of building, operating and observing with a gravitational-wave observatory. Appointments at the post-doctoral level will initially be for one-year with the possibility of renewal for up to two subsequent years.

Applications for post-doctoral research positions with LIGO Laboratory should indicate which LIGO site (Caltech, MIT, Hanford, or Livingston) is preferred by the applicant. Applications should be sent to HR@ligo.caltech.edu (Electronic Portable Document Format (PDF) submittals are preferred).

Applications should include curriculum vitae, list of publications (with referred articles noted), and the names, addresses, email addresses and telephone numbers of three or more references. Applicants should request that three or more letters of recommendations be sent directly to HR@ligo.caltech.edu (Electronic Portable Document Format (PDF) submittals are preferred). Consideration of applications will begin December 1, 2010 and will continue until all positions have been filled.

*Caltech and MIT are Affirmative Action/Equal Opportunity Employers
Women, Minorities, Veterans and Disabled Persons are encouraged to apply
More information about LIGO available at www.ligo.caltech.edu*

Detector Physicist

Diamond Detectors Ltd

Diamond Detectors Ltd is a world leader in the design, manufacture and supply of CVD Diamond based detectors. Located on the South West coast of England in Poole, Dorset, DDL is approximately 2 hours from London.

The candidate will have experience of detector applications found in Synchrotrons and Particle Accelerators and be able to take a leading role in the design, manufacture and test of such devices.

Salary will be dependent on qualifications and experience.

For further information please send your CV to kevin.oliver@diamonddetectors.com or call +44 1202 441 031

www.diamonddetectors.com

Diamond Detectors Ltd, 16 Fleetsbridge Business Centre, Upton Road, Poole, Dorset, BH17 7AF
Tel: +44 (0)1202 441031 Fax: +44 (0)1202 441039 email sales@diamonddetectors.com

Wilson Fellowship in Experimental Physics

The Wilson Fellowship program at Fermilab seeks applications from Ph.D. physicists of exceptional talent with at least two years of post-doctoral work. The fellowships are awarded on a competitive basis and support physicists early in their careers by providing unique opportunities for self-directed research in experimental physics. Fellows will work on the Fermilab particle physics experiment of their choice. The Fermilab experimental program includes collider physics at both the Tevatron and the LHC, studies of neutrino and astroparticle physics, as well as R&D and planning for experiments at future colliders and high intensity beams.

The Wilson Fellowships are tenure track positions with an annual salary fully competitive with university assistant professorships. The appointment is for an initial term of three years and can be renewed for an additional two years upon the completion of a successful review after the first two years.

Each candidate should submit a research statement, not to exceed 5 pages, which gives a focused description of the candidate's research program while being a Wilson Fellow, a curriculum vitae, and should arrange to have four letters of reference sent to the address below. Application materials and letters of reference should be received by October 29, 2010.

Materials, letters, and requests for information should be sent to:
Wilson Fellows Committee
Fermi National Accelerator Laboratory
MS 122, Attention: Ms. Cathryn Laue
P.O. Box 500, Batavia, IL 60510-0500
Email: wilson_fellowship@fnal.gov

Additional information is available at:
http://www.fnal.gov/pub/forphysicists/fellowships/robert_wilson/



Fermilab is an Equal Opportunity Employer – M/F/D/V

Tenure Track Faculty Position in Experimental Particle Physics in the Department of Physics and Astronomy

The Department of Physics and Astronomy at the University of Rochester invites applications for a tenure-track faculty position in Experimental Particle Physics. With this position, we seek to broaden the research portfolio of our existing program, which includes research in hadron collider physics at CMS (LHC), CDF and D0, neutrino physics at MINERvA and T2K and quark flavor physics at CLEO and BES. We are particularly interested in considering candidates with a research interest in non-accelerator based particle physics or particle astrophysics, but will consider candidates across the spectrum of Experimental Particle Physics.

Applicants should have a Ph.D., an outstanding record of research, and a commitment to excellence in teaching at both the undergraduate and the graduate level. We seek applications from junior-level candidates; an appointment at a more senior level can be considered for exceptionally well qualified applicants. Each candidate should submit a letter of application, a curriculum vitae including a list of publications, and a description of research and teaching plans. The candidate should arrange for at least four letters of recommendation to be sent to:

HEP Faculty Search Committee, c/o Ms. Shirley Brignall
Department of Physics and Astronomy, University of Rochester
Rochester, NY 14627

Applications may also be submitted by email sent to shirl@pas.rochester.edu. Applications will be considered on an ongoing basis beginning in November 2010.

The University of Rochester has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education. The University of Rochester is an Equal Opportunity employer and encourages applicants from members of minority groups and women. All applications are considered without regard to race, sex, age, religion or national origin. Salary will be competitive.



POSTDOCTORAL POSITION

High Energy Gamma-Ray Astronomy
and Particle Astrophysics
University of California, Los Angeles

The University of California Los Angeles (UCLA) invites applications for a Postdoctoral research position in high energy gamma-ray astronomy to strengthen the experimental astroparticle physics group. UCLA participates in forefront research in the areas of high-energy gamma-ray astronomy, ultra-high energy cosmic rays and neutrinos, and dark matter detection. The successful candidate will be expected to become involved in the design and prototyping of the future ground-based gamma-ray observatory CTA/AGIS and also to take part in the data analysis and ongoing operation of VERITAS.

The UCLA high energy gamma-ray astrophysics group has been actively involved in the world-wide effort to develop the next generation array of imaging atmospheric Cherenkov telescopes known as the Cherenkov Telescope Array (CTA) and formerly known in US as the Advanced Gamma Ray Imaging System (AGIS). The group's efforts are focused on the design and prototyping of the optical system for a novel Schwarzschild-Couder telescope as well as on simulation studies of the CTA performance. The group also participates in operation of Very Energetic Radiation Imaging Telescope Array System (VERITAS <http://www.astro.ucla.edu/~veritas/>) and conducts analysis and research utilizing data from VERITAS and Fermi Gamma-ray Space Telescope.

We encourage candidates with an experimental background in high energy particle physics, astrophysics, or an observational background in astronomy to apply for the position. A Ph.D., or equivalent degree, in physics or astronomy is required. Applicants should send a CV and arrange for three letters of recommendation to be sent to:

Prof. Vladimir Vassiliev
Department of Physics and Astronomy
University of California
Los Angeles, CA 90095-1547

The deadline for receipt of applications is November 1st, 2010. Screening of candidates will begin upon receipt of completed applications and will continue until the position is filled.

For inquiries please contact Prof. Vassiliev at vv@astro.ucla.edu.

Outstanding careers at The University of Adelaide

Lecturer in Experimental Particle Physics

School Chemistry & Physics (Ref: 16200)

The Australian Research Council recently funded a Centre of Excellence in Particle Physics (CoEPP) at the Tera scale, involving the Universities of Melbourne, Monash and Sydney with the University of Adelaide.

As part of this national initiative, to participate in research using the ATLAS detector at the Large Hadron Collider, we are seeking to appoint a high calibre and dynamic Experimental Particle Physicist in a tenurable position. Candidates with research expertise in experimental particle physics are encouraged to apply. Experience at CERN or another major particle physics laboratory is essential. The successful candidate will have a strong commitment to excellence in research, teaching and student learning. In addition, you will have an outstanding research track record and will be expected to participate in the research of the CoEPP using ATLAS. You will also contribute to undergraduate and postgraduate teaching, the supervision of students, and assist with the administrative responsibilities of the Physics discipline.

Information about the CoEPP may be obtained from the Associate Director at the University of Adelaide, Professor Anthony Thomas, +61 8 303 3547, email: anthony.thomas@adelaide.edu.au

This tenurable position is available from 1 January 2011.

Salary: (Level B) \$75,425 – \$89,569 per annum, plus an employer superannuation contribution of 17% applies.

Closing Date: 15/11/2010

To apply visit:
www.adelaide.edu.au/jobs

Contact: Ms Jeanette Roulston
Email: jeanette.roulston@adelaide.edu.au
Phone: +61 8 8303 5365



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www.adelaide.edu.au



Postdoctoral Position in Astroparticle Physics at the Institute of Physics, Academia Sinica, Taiwan

Applications are invited for a postdoctoral position in astroparticle physics with the AMS (Alpha Magnetic Spectrometer) Experiment at Institute of Physics, Academia Sinica, Taiwan, to work at CERN, Geneva.

AMS is a TeV magnetic spectrometer to search for antimatter, dark matter, strangelets and other unexpected phenomena, as well as to measure precisely cosmic ion spectra aboard the International Space Station from 2011 to 2020 and beyond.

Academia Sinica is the leading research institute in Taiwan. Its research in particle physics includes the ATLAS experiment at CERN and the reactor neutrino experiment TEXONO at Taiwan.

Candidates should have a Ph.D in astroparticle physics at the date of the appointment. Applicants should send a curriculum vitae, a list of publications, a brief statement of research interests, and arrange for at least three letters of recommendation to be sent via email to
Prof. Shih-Chang Lee (phslee@phys.sinica.edu.tw).

The position will remain open until filled.



POST-DOCTORAL FELLOWSHIPS FOR NON ITALIAN CITIZENS IN THE FOLLOWING RESEARCH AREAS

THEORETICAL PHYSICS (N. 15) EXPERIMENTAL PHYSICS (N. 20)

The INFN Fellowship Programme 2010/2011 offers 35 (thirtyfive) positions for non Italian citizens for research activity in theoretical (n. 15) or experimental physics (n. 20). Fellowships are intended for young post-graduates who are under 35 years of age by November 15, 2010.

Each fellowship, initially, is granted for one year and then, may be extended for a second year.

The annual gross salary is EURO 28.000,00.

Round trip travel expenses from home country to the INFN Section or Laboratory will be reimbursed, also lunch tickets will be provided for working days.

Candidates should choose at least two of the following INFN sites, indicating their order of preference.

- INFN Laboratories:

Laboratori Nazionali di Frascati (Roma), Laboratori Nazionali del Gran Sasso (L'Aquila), Laboratori Nazionali di Legnaro (Padova), Laboratori Nazionali del Sud (Catania);

- INFN Sections in the universities of:

Bari, Bologna, Cagliari, Catania, Ferrara, Firenze, Genova, Lecce, Milano, Milano Bicocca, Napoli, Padova, Pavia, Perugia, Pisa, Roma La Sapienza, Roma Tor Vergata, Roma Tre, Torino, Trieste.

The research programs, must be focused on the research fields of the Section or Laboratory selected (<http://www.infn.it>).

Applications, in electronic form, must be sent to INFN no later than November 15, 2010.

To register, candidates must use the website <http://www.ac.infn.it/personale/fellowships/>

The application form requires:

- statement of research interests;
- curriculum vitae;
- three reference letters (specifying name, surname and e-mail of each referee).

Theoretical fellowships must start from september to december 2011. Requests for starting earlier accepted.

Experimental fellowships must start no later than april 2011. Requests to posticipate accepted.

ISTITUTO NAZIONALE DI FISICA NUCLEARE
IL PRESIDENTE
(Prof. Roberto Petronzio)

PAUL SCHERRER INSTITUT



The Paul Scherrer Institute is with 1300 employees the largest research centre for the natural and engineering sciences in Switzerland and a worldwide leading user laboratory. Its research activities are concentrated on the three main topics structure of matter, energy and environmental research as well as human health.

The activities of the PSI Laboratory for Particle Physics focus on projects in theoretical physics, in high energy physics within the CMS experiment at the LHC, and in low energy precision physics at PSI's own world-leading facilities for pions, muons and ultracold neutrons, see tp.web.psi.ch.

We invite applications for the newly established

Postdoctoral Fellowship for Excellence in Particle Physics

The named postdoc position is accompanied by a competitive salary and open to both experimental and theoretical physicists. Candidates are selected based on the strengths of their academic and research accomplishments and plans. Research activities proposed by the candidates should be in line with the program of the Laboratory for Particle Physics. Applicants must hold a doctoral or PhD degree in physics. You are welcome to contact the group leaders of the research groups to discuss your ideas prior to application. The successful candidate will join one of the laboratory's groups. In the future, this prestigious position will be advertised and filled every two years

For further information please contact: Prof Dr Klaus Kirch, phone +41 56 310 23 78, klaus.kirch@psi.ch
Please submit your application at the latest until October 30th, 2010 (including CV, list of publications, statement of research interests and addresses of at least three referees) quoting the ref. code by e-mail to thomas.erb@psi.ch or to Paul Scherrer Institut, Human Resources, ref. code 3200, Thomas Erb, 5232 Villigen PSI, Switzerland.
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