

RECRUTEMENT

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BABCOCK NOELL NUCLEAR GmbH

Andere versprechen die Zukunft

Wir arbeiten daran

Die Babcock Noell Nuclear GmbH hat sich durch langjährige Erfahrungen ein umfangreiches Know-how in der Nukleartechnik und Magnettechnik erarbeitet. Mit rund 200 Beschäftigten, überwiegend Ingenieure und Techniker, sowie einer Service- und Montagemannschaft können in der Nuklear- und Magnettechnik alle Anforderungen von der Entwicklung über Engineering, Lieferung, Montage, Inbetriebnahme und Generalunternehmerfähigkeit abgedeckt werden.

Für unseren Produktbereich Magnettechnik suchen wir zum nächstmöglichen Termin einen erfahrenen

Projektleiter / Entwicklungsingenieur (m/w),

der in der Lage ist, selbständig (Entwicklungs-) Projekte mit prototypischem Charakter abzuwickeln. Der ideale Kandidat hat bereits Erfahrung in Auslegung und Konstruktion von normal- und supraleitenden Magneten oder Beschleuniger-Strukturen. Die Forschungslandschaft der europäischen Großforschungseinrichtungen ist ihm bekannt.

Der erfolgreiche Kandidat ist gewohnt, qualitäts-, termin- und kostenoptimiert zu arbeiten. Er besitzt Kommunikationsstärke sowohl zum Kunden als auch zu Lieferanten und intern. Gesucht wird eine Persönlichkeit mit hohem Verantwortungsbewusstsein, Flexibilität und Teamfähigkeit. Verhandlungssichere Englischkenntnisse werden vorausgesetzt.

Wir bieten Ihnen neben einer umfassenden Einarbeitung und Weiterbildung die Entwicklungsmöglichkeit in einem zukunftsorientierten Unternehmen.

Können wir Ihr Interesse wecken? Dann senden Sie bitte Ihre aussagefähigen Bewerbungsunterlagen unter Angabe des frühestmöglichen Einsatzzeitpunktes an:

Personalabteilung – Herrn Markus Haas
Alfred-Nobel-Straße 20
97080 Würzburg
Tel. 0931-903-3162
Fax. 0931-903-3140
e-Mail: personal@bn-nuclear.de

Weitere Informationen über unser Unternehmen finden Sie im Internet unter www.babcocknoellnuclear.de.



Statistical Research

Global Hedge Fund Manager, London or Oxford

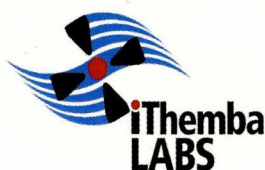
Fast growing, entrepreneurial Financial Markets Trading Company seeks top quality Scientific Researchers to join its Research team.

Candidates should have obtained a PhD in an Applied Science and have gained some post graduate experience. It is important that you have a demonstrable record of employing practical data analysis to explore real world data. This is an opportunity to join a unique and innovative company and to carry out challenging and interesting work of direct and practical relevance to the company's commercial activities. It would be ideal for candidates of strong intellect who wish to pursue a research career in statistics but achieve the rewards of success in a dynamic commercial environment.

Knowledge or experience of financial markets would be useful but not essential.

Salary is dependent on experience (£30 - £60k) + BUPA + Good Bonus Potential.

To apply, please either contact George Calderbank or Nathan Francis on +44 (0)207 604 4444 or email your CV to george@njfsearch.com and quote reference Physics World PhD.



SENIOR ACCELERATOR PHYSICIST

You are invited to join an internationally renowned, multi-disciplinary scientific organisation, iThemba LABS operated by the National Research Foundation (NRF), whose function is to support the improvement of social and economic welfare of all South Africans. The facility is situated in a picturesque environment some 35 km east of Cape Town, 20 km from Somerset West. The organisation's culture is one of promoting excellence in research through innovation and allowing for self-expression.

The Accelerator Group has the responsibility to operate and maintain a K=200 separated-sector cyclotron, two solid-pole injector cyclotrons with their ion sources and the inter-connecting beamlines. The Accelerator Group provides and delivers high-energy ion beams for proton and neutron therapy, radionuclide production and a variety of nuclear physics experiments with light and heavy-ion beams.

Key responsibilities will include but are not limited to: maintain and develop new computer codes and instrumentation used for the acceleration of ion beams • maintain and improve computer codes and instrumentation to measure beam phase and beam position • partake in the improvement of the ion sources and beamlines • assist with the design of electromagnetic devices for accelerators and beam lines (e.g. magnets, resonators and beam measuring devices) • take co-responsibility for the maintenance of the cyclotrons and ion sources.

Requirements: a PhD degree in physics with a good theoretical knowledge of

electromagnetism and numerical methods • to ensure and effect immediate developing of computer software codes in these fields • must have sufficient practical experience in software programming codes (e.g. C++) to operate independently within the team • hands-on experience with instrumentation, beam diagnostics, power supplies, radio-frequency devices and interpretation of mechanical drawings • inter-personal skills and the ability to communicate efficiently.

We offer a competitive remuneration package, which includes normal company benefits.

PLEASE SEND DETAILED CV WITH COVERING LETTER TO:

Human Resources Department; iThemba LABS,
P O Box 722, Somerset West, 7129;
Tel: +27 21 843 1000;
Fax: +27 21 843 3756.
E-mail: mirencia@tlabs.ac.za;
Website: www.tlabs.ac.za

iThemba LABS is an equity driven, affirmative action employer

The closing date for applications is 15 April 2005



HIGH ENERGY PHYSICS

Postdoctoral Positions on DØ

The DØ group at U.C. Riverside has immediate openings for two postdoctoral physicists. The successful applicants will be based at Fermilab and will be expected to contribute to the operation of the Silicon Microstrip Tracker and the integration of the new Layer 0 into the tracker. In addition, a major role in data analysis is expected, in areas that match those of the UCR group. Experience with tracking detectors and reconstruction software are preferred but not essential. A Ph.D. in experimental high energy physics is required.

The UC Riverside group consists of three faculty (Robert Clare, John Ellison, Stephen Wimpenny), one research faculty (Ann Heinson), two postdocs, and two students. The group has made important contributions to the design and construction of the Silicon Microstrip Tracker and to the tracking and vertexing reconstruction software, and has played a leading role in analysis of DØ data in the areas of top quark and electroweak physics.

Interested persons should send the following application materials to **Prof. S.J. Wimpenny, Department of Physics, University of California, Riverside, CA 92521-0413, USA (e-mail: stephen.wimpenny@ucr.edu):**

- * Curriculum vitae,
- * Description of research experience,
- * Names and addresses of at least three referees

(The candidate should arrange to have the letters of recommendation sent directly to the address above.)



The University of California is an Equal Opportunity/Affirmative Action Employer.



Project ASCLEPIOS

CHU-CFB-ASCLEPIOS association
Call for

PARTICLE ACCELERATOR PHYSICS POSTDOCTORAL POSITION

CONTEXTE

Within the project of the ASCLEPIOS hadrontherapy centre for cancer treatment in CAEN, France, a pluridisciplinary team is in charge of the Detailed Design Study (DDS). This project in the "Basse Normandie" region is supported by the French ministry of health, the 2 French research agencies CEA and CNRS, by the CAEN University, the CHU hospital, the regional cancer treatment centre "Centre François Baclesse" and the north-west Canceropole.

The DDS, for the accelerators and beam lines, will be designed in relation with the French research agencies CEA and CNRS, the European teams dealing with similar projects (Germany, Italy and Austria), the Japanese teams and the industrialists. The DDS is a 2-year program (2005 – 2006).

OBJECTIFS

In direct collaboration with the other experts of the project team, the accelerator physicists will be in charge of studies dealing with:

- Accelerator engineering,
- Beam transfer lines optimisation,
- Beam raster scanning and dose delivery to the patients in close collaboration with the medical physicists and physicians.

PROFIL

The candidate has solid knowledge in accelerator business, with aptitude in industrial relations. He will show strong motivation and good team spirit. The opening starts in March 2005.

CONTACTS

M. Jean-Michel LAGNIEL lagniel@ganil.fr ASCLEPIOS Project Director +33 2 31 45 49 95
M. Robin FERDINAND ferdinand@ganil.fr Accelerator Leader +33 2 31 45 49 88

www.asclepios.org www.ganil.fr



DESY is world-wide one of the leading accelerator centres exploring the structure of matter. The main research areas range from elementary particle physics over various applications of synchrotron radiation to the construction and use of X-ray lasers.

The DESY Theory group in Hamburg seeks outstanding candidates (m/f) for a

Tenure-Track or Tenured Staff Position in Theoretical Physics

depending on qualification. The field of research is physics beyond the standard model at the interface of particle physics and cosmology.

Applicants are expected to have a PhD in physics, international postdoctoral experience and a strong record in research. Please send your complete application documents to our personnel department. Further information may be obtained from W. Buchmüller (wilfried.buchmueller@desy.de) or F. Schrempf (fridger.schrempf@desy.de).

Salary and benefits are commensurate with public service organisations (BAT lb). DESY operates flexible work schemes, such as flexitime or part-time work. DESY is an equal opportunity, affirmative action employer and encourages applications from women. DESY has a Betriebskindergarten.

Deutsches Elektronen-Synchrotron DESY
member of the Helmholtz Association

code: 17/2005 • Notkestraße 85 • D-22607 Hamburg • Germany

Phone: +49 40/8998-3392 • www.desy.de

email: personal.abteilung@desy.de

Deadline for applications: 24.04.2005

The Physics Institute in the Faculty of Natural Sciences I (Mathematics and Physics) invites applications for a tenured

Associate Professorship in Experimental Physics (W2)

as soon as possible.

The successful candidate will conduct research in experimental astroparticle physics and teaching in experimental physics for diploma and teacher training students. He/She should have a strong record in astroparticle or particle physics and is expected to establish new activities in the research programme "Particle and Astrophysics" of the University of Erlangen-Nuremberg. He/She will also be involved in the recently established new graduate study course in physics for highly gifted students and the associated doctoral school.

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.

At the time of appointment the candidate must not be older than 52 years of age. The Ministry for Science, Research and Art may allow an exception in special cases, which has to be approved by the Ministry of Finance.

The University of Erlangen-Nuremberg actively encourages applications from female candidates in an effort to increase female representation in research and teaching.

Applications from the severely disabled having the same suitability for appointment as other candidates will be given priority.

Application documents (curriculum vitae, photograph, list of publications and teaching activities, certified copies of degree certificates but no publications) must be sent by the latest **May 2, 2005** to: Dekan der Naturwissenschaftlichen Fakultät I (Mathematik und Physik) der Universität Erlangen-Nürnberg, Universitätsstr. 40, D-91054 Erlangen.

**Friedrich-Alexander-University
of Erlangen-Nuremberg**



Max Planck Institute for Physics

(Werner Heisenberg Institute)



MAX-PLANCK-GESELLSCHAFT

Postdoctoral Position in Experimental High-Energy Particle Physics

The Max-Planck-Institut für Physik is one of the world's leading research institutes, focused on particle and astroparticle physics from both experimental and theoretical perspectives. Our research activities in elementary particle physics comprise participation in the H1 and ZEUS experiments at DESY, and the ATLAS experiment. ATLAS is presently under construction to operate at CERN's Large Hadron Collider starting 2007. The scientific focus of the ATLAS collaboration is on the search for the Higgs boson, precision measurements of top- and b-quark physics, and the search for new physics beyond the Standard Model, e.g. Supersymmetry. We are contributing to the construction of three sub-detectors for ATLAS, among them the SemiConductor Tracker (SCT).

We invite applications for a

postdoctoral position within our ATLAS-SCT group

We are seeking a person to contribute to the construction, testing, quality assurance and installation of detector modules, and to preparations of the physics analyses.

The position is limited to three years, with the possibility of extension within the rules of the German Hochschulrahmengesetz. Candidates should have a PhD in experimental physics with a solid background in elementary particle science.

The salary is according to the German federal pay scale (BAT). Applications from women are particularly welcome. The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply.

Please contact Dr. Richard Nisius, Tel. +49 89 32354-474, email nisiu@mppmu.mpg.de for further information on the position. Information on the institute and its research can be obtained from our internet homepage <http://www.mppmu.mpg.de>.

Applications, including cover letter, statement of research interest, CV, list of publications and the names and addresses of three suitable referees, should be directed in written form to

Max Planck Institute for Physics

(Werner-Heisenberg-Institut)

Prof. Dr. Siegfried Bethke

Managing Director

Föhringer Ring 6

D-80805 München, Germany



ATLAS eScience Research Associate

A Research Associate position (job ref A453, initially for 30 months), is available immediately to work on the ATLAS physics analysis framework and tools, including the EvtGen generator framework for B-physics. It will work as part of the ATLAS UK eScience project and contribute to the ATLAS world wide core computing project. We expect the successful applicant to assess the impact of the tools on (for example) the B-physics triggering strategy. The successful applicant will also be expected to contribute to the organisation of the training of others in the use of ATLAS computing and software. The successful applicant should have a PhD in experimental particle physics. Overseas travel is to be expected as part of the job.

Salary in the range £19,460-£27,116 subject to age and experience. Closing date: 29th April 2005.

For further information online, please visit <http://www.hep.lancs.ac.uk/jobs>

We positively welcome applications from all sections of the community

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TECHNISCHE
UNIVERSITÄT
DARMSTADT

The Department of Physics at the Technische Universität Darmstadt, Darmstadt, Germany, invites applications for the position of a

Full Professor of Experimental Nuclear Physics W3

Kenn-Nr. 64 – to begin Oktober 1. 2006

(pre-successor to Professor Achim Richter)

Applicants should have an outstanding and internationally acknowledged record in experimental low energy nuclear physics. The successful candidate is expected to head the Center of Excellence (Sonderforschungsbereich 634) "Nuclear structure, nuclear astrophysics and fundamental experiments at low momentum transfer at the superconducting Darmstadt Linear Accelerator S-DALINAC", funded by the DFG since 2003. This includes the management of the S-DALINAC. The applicant should strengthen the collaboration of the Institute for Nuclear Physics with the Gesellschaft für Schwerionenforschung (GSI) and is encouraged to participate in projects at the future Facility for Antiproton and Ion Research ("FAIR").

Active participation in all areas of teaching as well as the self-governing bodies of the university are required. Lectures are usually given in German.

The Technische Universität Darmstadt is an equal opportunity, affirmative action employer and especially encourages applications from women. Employment is in accordance with the Hessian University Law ("HHG") and the TUD Law ("TUD-Gesetz"), see <http://www.ikp.physik.tu-darmstadt.de/jobs>.

Applications including curriculum vitae, list of publications, research and teaching records, as well as three names of potential referees should be sent by **Mai, 31. 2005** to: Dekan des Fachbereichs Physik, Hochschulstr. 12, 64289 Darmstadt, Germany.

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