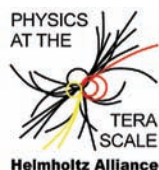


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universität**bonn**

Bonn University, Institute of Physics has an opening in the Particle Physics Groups

IC Designer or Physicist (Team Leader)

Detector Instrumentation and Electronics 1. July 2008

Within the Helmholtz-Alliance network "Physics at the Terascale" consisting of DESY, FZ-Karlsruhe, 17 German Universities and MPI Munich, Bonn University is a centre for the development of detectors and ASIC electronics. We aim to enlarge the existing group (SiLab), specialized on pixel detectors, into a university based facility for detector instrumentation and associated front end electronics. Initially the main IC development focus will be for semiconductor and gas filled detectors. Within the facility IC design shall play a central role and tenure track positions for IC designers are to be filled.

We are searching an IC designer with several years experience in the design of ASIC chips and their application who shall lead the existing team of VLSI designers in our lab. Expected are expert knowledge in IC design tools (CADENCE, SPECTRE, VERILOG or similar) and practical experience in chip testing. Applicants shall be interested to work in research groups carrying out detector development in experimental particle physics, particularly for experiments at the LHC and ILC. They should also be interested in training of students and visiting researchers.

The position is for an initial period of two years after which it will become an indefinite appointment, subject to review. The salary follows the German standard for public employment according to E13. The position is available as of July 1, 2008. Interested IC designers are requested to submit their CV and professional experience together with 2 letters of recommendation. Deadline: June 15, 2008.

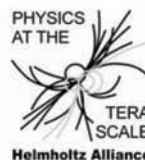
Preferential consideration will be given to women according to §49 UG (NRW) if they are equally qualified and possess the same level of competence and professional achievements. Disabled applicants with the same qualifications as other candidates are preferably employed.

Applications should be sent to

Mrs. Valja Gebhardt, Physikalisches Institut, Universität Bonn,
Nussallee 12, D-53115 Bonn, Germany
tel. +49-228-733225, fax. +49-228-733220
valja.gebhardt@uni-bonn.de

For further information please contact:

Prof. K. Desch (desch@physik.uni-bonn.de)
Prof. N. Wermes (wermes@physik.uni-bonn.de)
<http://atlas.physik.uni-bonn.de>



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. Within the framework of the worldwide investigation of the fundamental properties of matter using accelerators at the highest energies, the Alliance will sustainably concentrate and advance the expertise and strengths of the participating institutes.

Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association



DESY, Hamburg location, is seeking:

A Scientist

The Analysis Centre of the Helmholtz Alliance "Physics at the Terascale" at DESY supports physicists at German universities and institutes working on analyses at ATLAS, CMS and ILC in areas like Monte Carlo generators, parton distribution functions and statistics tools. The Monte Carlo group is one of the major activities of the Analysis Centre and provides maintenance, support, validation and tuning of existing Monte Carlo event generators.

The position

- Active contribution to and shaping of the above topics
- Participation in new developments of general purpose Monte Carlo generators

Requirements

- Ph.D. in physics
- Experience in the simulation of higher order contributions and the development of parton showers in Monte Carlo event generators is welcome

The position will be for an initial duration of five years and can become permanent in case of positive evaluation. If the successful candidate already holds a permanent position it can be made permanent from the beginning.

For further information you may also contact Klaus Mönig (klaus.moenig@desy.de) and Hannes Jung (hannes.jung@desy.de).

Applications including a letter of application, CV, academic records as well as a list of publications and the names of three persons who can provide further information about the candidate should be addressed to:

Prof. Ian Brock (Scientific Manager of the Helmholtz Alliance) DESY,
Notkestraße 85, D-22607 Hamburg (ian.brock@desy.de)

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.

Closing date for applications is 15 June 2008.



JULY ISSUE

Booking Deadline: Friday 27 June

Copy Deadline: Monday 30 June

Distribution: Wednesday 9 July

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PARTICLE PHYSICS.

DESY, Hamburg location, is seeking:

A Scientist

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.

In collaboration with the Helmholtz Alliance "Physics at the Terascale" the Helmholtz-Young Investigators Group "Physics of Gluons and Heavy Quarks from HERA to the LHC" is involved in the physics program of the CMS experiment at the LHC and the H1 experiment at HERA.

The position

- Significant contribution to the physics analysis at the CMS experiment with the emphasis on top-quark physics at the LHC in close collaboration with the Analysis Centre at DESY
- Temporary stays at CERN are foreseen

Requirements

- Ph.D. in experimental particle physics
- Profound experience in data analysis and/or simulation
- Programming skills in C/C++

For further information you may also contact Dr. K. Lipka
(katerina.lipka@desy.de)

The position is limited to 2 years with a possible extension until 30 April 2013. 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:
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Human Resources Department | Reference code: 45/2008
Notkestraße 85 | 22607 Hamburg | Germany
Phone: +49 40/8998-3392 | E-Mail: personal.abteilung@desy.de
Deadline for applications: 30 June 2008
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The Physics Department at Brookhaven National Laboratory is seeking to fill a Scientific Staff Position as a Scientist.

Requires a Ph.D. in nuclear or particle physics. A well established record of accomplishment in one or both of these areas is also required so that the candidate can take a prominent role in carrying out the spin research program and in shaping the future plans for the RHIC, including a proposed Electron Ion Collider (eRHIC). Candidate will play a leading role in the Laboratory's research program with spin-polarized proton-proton collisions at the Relativistic Heavy Ion Collider (RHIC).

RHIC is a world-leading facility for high energy nucleus-nucleus and spin-polarized proton-proton collisions. BNL's Spin Group, working with international collaborators, plays a central role in the planning, execution, and analysis of spin measurements with both the PHENIX and STAR detectors at RHIC. The group also works closely with BNL's Collider-Accelerator staff in the precision measurement and monitoring of the colliding beam polarization.

The expected start date for this position is October 1, 2008. Under the direction of T. Ludlam, Physics Department.

Please go to www.bnl.gov, click on Careers at Brookhaven and then Employment Opportunities to apply for this position. Please apply to Job ID # 14446.

Brookhaven National Laboratory is an equal opportunity employer committed to building and maintaining a diverse workforce.



Postdoctoral Research Associate – Experimental Neutrino Physics

Kansas State University seeks applicants with a Ph.D. in Physics with an emphasis on experimental data analysis and good programming skills in C++ and demonstrated ability in the methods and science of neutrino experiments.

Call 785-532-6476, e-mail gahs@phys.ksu.edu or go to <http://www.phys.ksu.edu/main/jobs/2008/horton-smith-research-associate.html> for more complete description and application procedures. EOE.



Cornell University's Laboratory for Accelerator-Based Sciences and Education is pleased to announce a position, **Research Support Specialist IV**, which provides engineering-design, and research and development support for complex particle accelerator systems utilized in the continuous operation of a particle accelerator research facility.

This is an initial one year appointment with the possibility of renewal. For a copy of the job description and complete ad with application instructions, please refer to the following website: <http://www.lepp.cornell.edu/> and click on Jobs.

cerncourier.com

The European Molecular Biology Laboratory, EMBL, is building an integrated facility for structural biology at the future PETRA-III ring at DESY, Hamburg, Germany. The expected X-ray optical properties will allow the operation of world class synchrotron radiation beamlines. The initial phase of the project includes the construction of two beamlines in macromolecular X-ray crystallography and one in Small Angle X-ray Scattering of biological material. We offer

Opportunities for Engineers and Technicians at EMBL Hamburg, Germany

AUTOMATION ENGINEER

Ref. no. CC/08/30

The Automation Engineer is expected to participate in the integration and automation of different steps in the experimental process. This includes robotised sample handling, beamline control automation, automatic sample recognition and embedding of instruments into the control system and databases. In addition, the Automation Engineer will work in an international team of engineers and scientists and will collaborate with other laboratories.

The ideal candidate must have a master degree (or equivalent) in automation engineering, mechatronics or related discipline, as well as experience in the robotisation of precise mechanical processes and with corresponding programming software like V+. Experience with 3D CAD systems like SOLID EDGE, liquid handling and synchrotron radiation beamline instrumentation will be an advantage.

BEAMLINE TECHNICIAN

Ref. no. CC/08/31

The Beamline Technician will participate in the construction, manufacturing, installation and maintenance of synchrotron beamline elements. Tasks will range from the electro-mechanical and electronical design, production and connection of motion and detection systems to the mechanical installation and testing of scientific instruments. S(he) will work in an international team of engineers and scientists.

The ideal candidate should have completed an apprenticeship or possess an equivalent qualification as electro-mechanical or electronic engineering technician or similar. S(he) should have a minimum of 3 years professional experience, with hands-on experience in designing and assembling analogue and digital electronic circuit boards. Familiarity with CAD software, NC machine tools and X-ray or vacuum equipment will be an advantage.

MECHANICAL ENGINEER

Ref. no. CC/08/32

The Mechanical Engineer is expected to participate in the construction of the planned experimental facilities. Tasks will range from the integration of single X-ray optical elements into the synchrotron beamline layout to the design and installation of entire instruments. S(he) will support scientists in finding technical solutions for complex experimental problems.

The ideal candidate should have a master degree (or equivalent) in precision mechanical engineering, physics engineering or a related discipline as well as demonstrated experience in technical drawing with 3D CAD systems like SOLID EDGE, SOLID WORKS, or equivalent. Experience in robotics/automation and working with X-ray equipment, synchrotron radiation beamline instrumentation, vacuum or cryogenic systems and FEA will be an advantage.

MECHANICAL TECHNICIAN

Ref. no. CC/08/33

The Mechanical Technician will participate in the construction, manufacturing, installation and maintenance of synchrotron beamline instrumentation. Tasks will range from technical drawing and machining to the assembly of precision mechanics. S(he) will work in an international team of engineers and scientists.

The ideal candidate should have completed an apprenticeship or possess an equivalent qualification in precision mechanics or related discipline. S(he) should have a minimum of 3 years experience with NC machine tools and hands-on experience in constructing with 3D CAD programs like SOLID EDGE or equivalent. Familiarity with X-ray, vacuum or cryogenic equipment will be an advantage.

SOFTWARE ENGINEER

Ref. no. CC/08/34

The Software Engineer will work closely with scientists and engineers to develop and implement robust and user-friendly high-level systems for controlling and evaluating experiments with synchrotron radiation. Tasks will range from the development of graphical user interfaces for the control of experiments to the implementation of pipelines for data evaluation. The projects will involve international collaboration primarily with other synchrotron radiation laboratories.

The ideal candidate must have a degree in Computer Science or related field. A strong background in programming as well as experience in the design of graphical user interfaces is essential. Experience in using scripting languages, such as Python, and in creating and maintaining of databases is required. Knowledge of LabView will be an advantage.

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation. An initial contract of 3 years will be offered to the successful candidate. This can be renewed, depending on circumstances at the time of review.

English is the main working language and working knowledge of German would be considered an advantage.

More information about EMBL@PETRA3 as well as the complete job descriptions can be found at: www.embl-hamburg.de

To apply, please email a cover letter, CV (in English) and contact information of three professional references quoting the corresponding ref. no. in the subject line, to: application@embl.de

Closing date: May 31st, 2008

www.embl.org



Open Positions at the Marie Curie Initial Training Network DITANET

DITANET aims for developing beyond-state-of-the-art diagnostic techniques for accelerator facilities and to train young researchers within a European network between several major research centers, leading Universities, and partners from industry.

DITANET covers a wide range of multi-disciplinary topics such as

- beam profile measurements of ion and electron beams,
- development of novel particle detection techniques,
- high-resolution beam position measurements.

DITANET is currently aiming to recruit a pool of talented, energetic, strongly motivated, young scientists with a degree in physics or a closely related field at both the Early Stage Researcher (17) and Experienced Researcher (3) level. Women are especially encouraged to apply.

Each researcher will benefit from a wide ranging training program that will take advantage of both local and network-wide activities, as well as of schools, conferences, and workshops. Most positions are for starting on August, 1st 2008 or soon thereafter.

You will find more information about DITANET and the application details at: <http://www.ditanet.uni-hd.de>

Contact and further detail:

Dr. Carsten P. Welsch

Kirchhoff Institute for Physics, University of Heidelberg, Im Neuenheimer Feld 227, D-69120 Heidelberg
carsten.welsch@kip.uni-heidelberg.de



The ESRF (European Synchrotron Radiation Facility) is a multinational research institute, employing 600 staff, located in Grenoble. The ESRF is financed by 18 countries and carries out fundamental and applied research with synchrotron (X-ray) light.

We are currently seeking for the Beam Dynamics Group of the ESRF an:

Accelerator Physicist m/f

The function: Within a team, you will perform beam studies, lattice developments and advanced accelerator computations. Up to 15% of your working time will be spent on shift.

Qualifications and experience: You are an accelerator physicist (PhD) with several years' experience in beam or accelerator physics, preferably in a third generation synchrotron source.

For further information, please consult:
<http://www.esrf.eu/Jobs/Technical/4101>

Interested candidates may send a fax (+33 (0)4 76 88 24 60) or e-mail (recruitm@esrf.fr) with their address, to receive an application form, which can also be printed from the web. Deadline for applications: 18 August 2008.



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Job Ref: R-567698/CERN

Closing Date: 13 June 2008

For full details, or to request an application pack, visit

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Tel 0151 794 2210 (24 hr answerphone)

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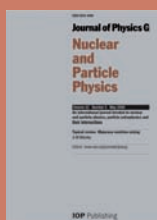
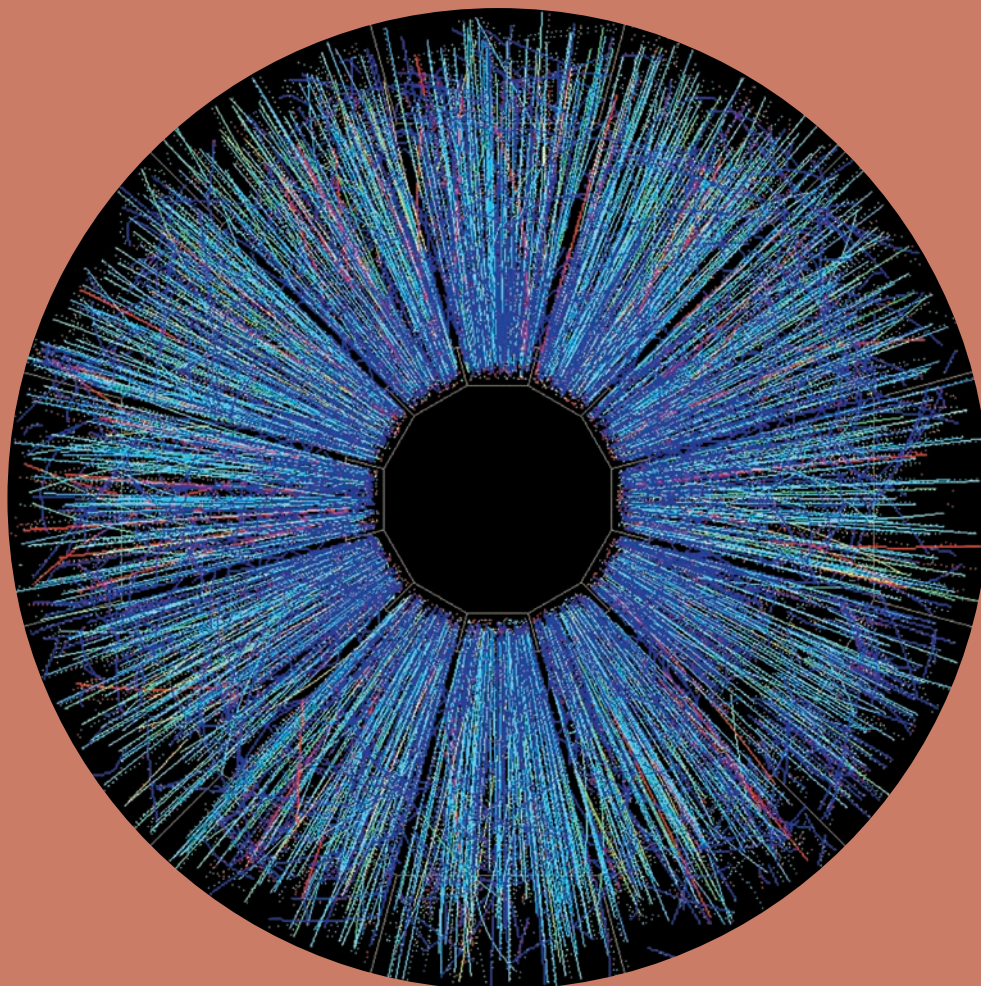
Call Moo Ali on **+44 (0)117 930 1264** or e-mail **moo.ali@iop.org**.

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Image: End view of a collision of two 30-billion electron-volt gold beams in the STAR detector at the Relativistic Heavy Ion Collider at Brookhaven National Laboratory. Courtesy of Brookhaven National Laboratory

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