

Recruitment

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Senior Faculty Position in Experimental Particle Physics

Department of Physics, Purdue University

The Department of Physics at Purdue University seeks applications for a tenured faculty position at the Associate or Full Professor rank in the area of experimental particle physics. We are interested in outstanding scientists with an established track record, international stature, a commitment to leading a preeminent research program, and a clear vision for future development.

Purdue has major responsibilities in the CMS experiment and is involved in the Mu2e, XENON100/XENON1T, STAR, LSST and VERITAS projects. Synergies exist with groups in astrophysics, theory, nuclear physics and condensed matter physics. The department offers a state-of-the-art in-house facility with resources applicable to silicon detector design, development and fabrication.

It is expected that the successful candidate will strengthen the current efforts and play a leading role in shaping the future of the group. Applicants must have a Ph.D. in physics or a related field, an outstanding record of research accomplishments, and evidence of excellence in teaching at both the undergraduate and graduate levels. Candidates are expected to supervise graduate students, teach undergraduate and graduate courses, and serve on university committees. Salary and benefits are highly competitive.

Questions regarding this position and search should be directed to the Chair of the search committee, Professor John Finley (finley@purdue.edu). Interested candidates should submit their curriculum vitae, a list of publications to which the applicant was instrumental, brief descriptions of their planned research program and of their teaching philosophy, as well as names and email addresses of four people from which the search committee can obtain letters of reference. Electronic submission at <https://www.physics.purdue.edu/searches/app/> is preferred.

Review of applications will begin October 1, 2013 and will continue until the position is filled. A background check is required for employment in this position. Purdue University is an ADVANCE institution.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer fully committed to achieving a diverse workforce.



Theoretical Physics Full Professor Positions

The International Institute of Physics at the Federal University of Rio Grande do Norte (IIP-UFRN, Natal-RN, Brazil) announces the opening of two Full Professor positions.

The IIP is directly funded by the Federal Government of Brazil and its positions are open to any individual that fits the description below.

The IIP seeks excellent candidates with proven professional experience and broad research interests, who can contribute significantly to the excellence and diversity of theoretical research activities performed at the IIP in all the areas of physics. The two permanent positions advertised here are joined to the IIP and the Department of Theoretical and Experimental Physics at the University. The positions offer excellent conditions for conducting research with direct access to postdoctoral trainees and international collaborators.

The IIP invites at this time potential candidates to express their interest.

The choice of the precise areas of the first two opened positions will be made on the basis of these applications.

All interested parties to send a short message, to new.positions@iip.ufrn.br, attaching a CV, a summary of current research activities and a short plan of future research.

Application window: from August 12 to November 30, 2013

PAUL SCHERRER INSTITUT



The Paul Scherrer Institute, PSI, is with 1500 employees the largest research centre for natural and engineering sciences within Switzerland. We perform world-class research in three main subject areas: Matter and Material; Energy and the Environment; and Human Health. By conducting fundamental and applied research, we work on long-term solutions for major challenges facing society, industry and science.

The Department of Large Research Facilities operates and develops proton and electron accelerators for fundamental and applied research. Our 590 MeV proton cyclotron provides researchers with neutrons and muons produced by the world's most powerful beam of protons. The electron storage ring of the Swiss Light Source is used to generate highly brilliant synchrotron radiation over wavelengths extending from the UV to X-ray region with exceptional stability in position and intensity. PSI also houses a superconducting proton cyclotron used for proton therapy and for developments in that field. We are currently building an X-ray Free Electron Laser, SwissFEL, based on a 6 GeV linear accelerator.

PSI has a long tradition of innovative developments in accelerator science. In keeping with this tradition we are seeking a

Postdoctoral Fellow

for Excellence in Accelerator Science and Technology

Your tasks

This special postdoctoral fellowship is open to an outstanding doctoral physicist or engineer who is at the start of a promising career. The successful applicant will have the opportunity to work in a stimulating and rich environment at the forefront of accelerator physics. He/she would be expected to perform research in an area of accelerator development corresponding to one or more of the principal programs of the Department. The fellowship is, therefore, awarded in the areas of accelerator physics and technology, beam dynamics and beam diagnostics.

Your profile

The successful candidate will have recently completed a PhD, or have an equivalent diploma, in a relevant field of physics or engineering.

For further information please contact Dr Terence Garvey, phone +41 56 310 46 37.

Please submit your application online (including list of publications and addresses of referees) for the position as a Postdoctoral Fellow (index no. 8400-00) under <http://www.psi.ch/pa/offenstellen/0615-1>.

Paul Scherrer Institute, Human Resources Management, Thomas Erb, 5232 Villigen
PSI, Switzerland
www.psi.ch



The **Faculty of Sciences** of the University of Geneva invites applications for a position as

ASSOCIATE or ASSISTANT PROFESSOR in experimental particle physics

RESPONSIBILITIES: Full time appointment comprising teaching at undergraduate and postgraduate level, as well as supervising masters' and doctoral theses. The candidate will develop original research at a national and international level in the field of experimental high energy particle physics and secure external funding. He/she will have important leadership responsibilities for a group, initially on the ATLAS experiment at CERN. He/she will also take on administrative duties at departmental, faculty and university level.

QUALIFICATIONS AND REQUIRED EXPERIENCE:

Ph.D. in physics or equivalent.
Experience in teaching and research, especially as head of a research group.
Publications in international journals.

STARTING DATE : 1st of January 2014 or as agreed

Applications must be completed before **September 30th, 2013** and must be submitted - **exclusively online** - to the University website at the address
<https://jobs.icams.unige.ch/>
where a copy of the present advertisement may be found.

Inquiries may be directed to Prof. Giuseppe Iacobucci
(giuseppe.iacobucci@unige.ch).

In a perspective of parity, applications by women are particularly encouraged and welcome.

Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association



PARTICLE PHYSICS.

DESY has openings for: DESY-Fellowships (f/m)

DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics.

DESY develops, runs and uses accelerators and detectors for the investigation of the structure of matter.

The position

Fellows in experimental particle physics are invited to participate in DESY's particle physics research.

- Analysis and detector-upgrade in the LHC experiments ATLAS and CMS
- Preparation 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 BELLE II
- Analysis of HERA and OLYMPUS data

Requirements

- Ph.D. 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. Please arrange for three letters of reference to be sent before the application deadline to the DESY human resource department.

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. 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 a bilingual 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: EM100/2013
Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-3392 |
E-Mail: recruitment@desy.de

Deadline for applications: 30 September 2013
www.desy.de

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



EUROPEAN
SPALLATION
SOURCE

European Spallation Source AB is preparing to construct a world-leading European materials research centre in Lund, Sweden. ESS is partnered by a large number of European countries.



Be part of the future!

We are looking for a highly qualified:

PERSONNEL PROTECTION SYSTEM ENGINEER

See all our positions at: www.ess.se/careers



NATIONAL
ACCELERATOR
LABORATORY

Associate Laboratory Director Linac Coherent Light Source

The SLAC National Accelerator Laboratory, at Stanford University, is seeking applications for the position of the Director of its Linac Coherent Light Source, LCLS. As Associate Laboratory Director (ALD) for LCLS, the candidate will report to the SLAC Laboratory Director and is expected to develop the vision and mission objectives to keep LCLS at the international forefront of cutting edge x-ray science while representing LCLS on SLAC's Executive Council.

Tools for Discovery

SLAC, one of the world's leading research laboratories, is a U.S. Department of Energy, Office of Science multi-program laboratory operated by Stanford University. For 50 years, SLAC's linac has produced high-energy electrons for cutting-edge physics experiments. Now, scientists continue this tradition of discovery by using the linac to drive a new kind of laser, creating X-ray pulses of unprecedented brilliance.

Recent Achievements in Science include:

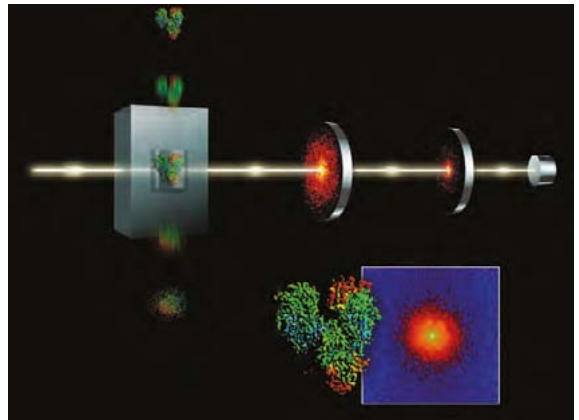
- X-ray laser sees Photosynthesis in action
- X-ray laser takes aim at cosmic mystery
- X-ray laser offers new tool in fight against diseases

Extraordinary results from LCLS science has led to DOE approval of LCLS II.

The LCLS Director is expected to be an internationally recognized scientist with established leadership credentials; significant reputation in scientific research; strategic thinking and execution skills; excellent communication skills;



commitment to excellence with ability to expand capabilities and capacities of the world's foremost x-ray laser. The successful candidate is expected to assume a tenured position on the SLAC Faculty.



For additional information or to be considered for candidacy please contact/send application materials to:
Lisa Mongetta, Manager, SLAC Staffing Services
2575 Sand Hill Road, Menlo Park, CA 94025
650-926-2733 email: mongetta@slac.stanford.edu

The SLAC National Accelerator Laboratory values diversity and is an Affirmative Action, Equal Opportunity Employer.



**University of
Zurich** UZH

Faculty of Science

The Faculty of Science of the University of Zurich invites applications for a

Professorship in Experimental Condensed Matter Physics

The new professor is expected to establish and lead a successful group pursuing vigorous research in the broadly defined area of experimental condensed matter physics. We particularly encourage applicants at the tenure track Assistant Professor level, but are prepared to consider exceptional candidates at more senior and tenured levels.

The new group will be imbedded in a stimulating research environment within the Department of Physics and complement and /or strengthen ongoing activities in solid state physics, surface physics and bio-physics. It will also have the opportunity to benefit from cutting edge research infrastructures in the wider Zurich area. For example, the Paul Scherrer Institute operates world-class facilities for neutron scattering, synchrotron radiation and muon spin rotation, and has an x-ray free-electron laser under construction. The University of Zurich provides generous research support, including earmarked funds for personnel and running expenses, and competitive start-up packages. Switzerland offers excellent opportunities for external funding of research.

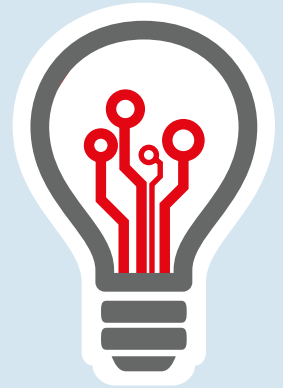
In teaching at both undergraduate and graduate level the new professor will stimulate the interest of the students for basic and applied physics research. Undergraduate teaching is in English or German, graduate education is in English.

Candidates are invited to submit an application package including a curriculum vitae, list of publications and personal conference contributions, outline of current and future research interests, teaching philosophy and names and addresses of three potential referees. Documents should be addressed to Prof. Dr. Michael O. Hengartner, Dean of the Faculty of Science, University of Zurich, and uploaded as a single PDF file at www.mnf.uzh.ch/ecmp by September 30, 2013. For further information, please contact Prof. Dr. Jürg Osterwalder via osterwal@physik.uzh.ch, or visit the homepage at <http://www.physik.uzh.ch>.

The University of Zurich is an equal opportunity employer. Applications of female candidates are particularly encouraged.

brightrecruits.com

The jobs site
for physics and
engineering



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23 000
monthly unique
visitors

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our e-mail alerts



ESO

European Organization
for Astronomical
Research in the
Southern Hemisphere



The European Organisation for Astronomical Research in the Southern Hemisphere (ESO) is the foremost intergovernmental astronomy organisation in Europe and the world's most productive astronomical observatory. ESO operates three unique world-class observing sites in the Atacama Desert region of Chile: La Silla, Paranal and Chajnantor. For its Headquarters in Garching near Munich, Germany, ESO is advertising the position of

Director for Science

The Director for Science reports directly to the Director General and assists him in developing the overall strategy for the science programme at ESO. He/she coordinates and administers all aspects of ESO's scientific activities including Outreach and is accountable for their execution. As a member of the ESO senior management team he/she works closely with the Director General and the other Directors in the development of overall policy and strategic planning across the Organisation. He/she reports as required to the ESO Council (main decision making body of ESO) and internal and external advisory bodies and interacts with the astronomical community via membership of strategic committees, participation in conferences and special events. As an active scientist and Full Astronomer of the ESO Astronomy Faculty he/she also maintains personal scientific and technical contacts internationally at the highest level.

Professional requirements:

Basic requirements for the position include a PhD in astronomy, astrophysics, physics or related fields; a proven record of scientific leadership and at least 10 years' experience in international scientific collaborations. Substantial management and leadership experience within a scientific organisation, preferably international, is also required.

Starting Date:

1 February 2014 or as soon as possible thereafter.

Closing date for applications is 8 September 2013.

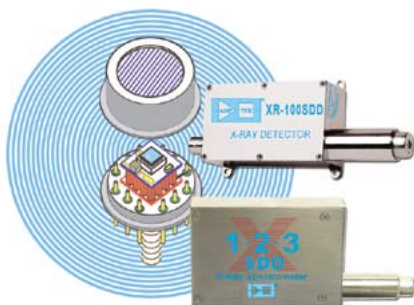
For more information on the position and to apply on-line please visit our recruitment portal (<https://recruitment.eso.org/>).

Silicon Drift Detector

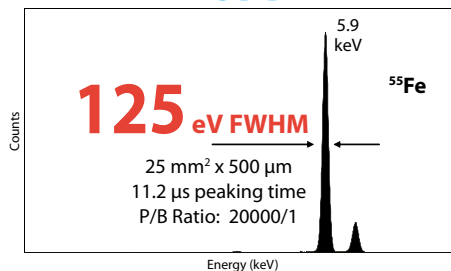
Easy to Use

Solid State Design

Low Cost



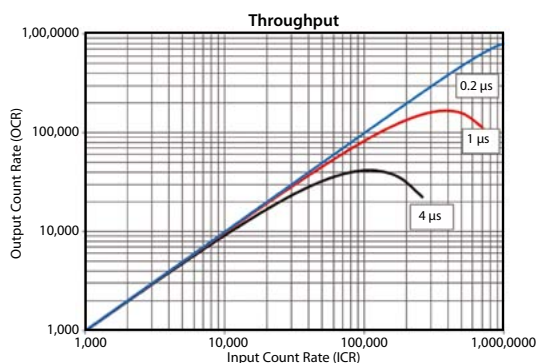
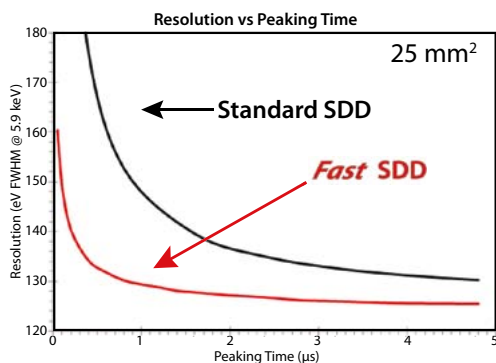
SDD



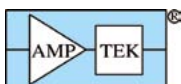
Fast SDD

Count Rate = >1,000,000 CPS

Resolution	125 eV FWHM	130 eV FWHM	140 eV FWHM	160 eV FWHM
Peaking Time	4 µs	1 µs	0.2 µs	0.05 µs



Please see web site for vacuum applications



AMPTEK Inc.

sales@amptek.com

www.amptek.com

