



HARD CONDENSED MATTER.

DESY, Hamburg location, is seeking: Postdoc (f/m) Resonant Scattering and Diffraction Beamline (P09)

DESY

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

DESY looks back on a long tradition in synchrotron radiation experiments in a wide range of applications and has developed into one of the leading centres in this field worldwide. For high end synchrotron radiation applications, the 3rd generation source PETRA III is available since 2009 as one of the most brilliant hard X-ray sources worldwide. The Resonant Scattering and Diffraction Beamline P09 at PETRA III is dedicated to the investigation of the magnetic and structural properties of hard condensed matter compounds using resonant X-ray magnetic scattering (RXMS), X-ray diffraction (XRD) and X-ray spectroscopy (XMCD/EXAFS). We are seeking a Post-doctoral Research Associate to commission, work with and further develop a low temperature X-ray diffraction and magnetic scattering set-up for high pressure studies on single-crystals in the hard X-ray range.

The position

- Commissioning and manipulation of various types of diamond anvil cells (DACs)
- Commissioning of a pulse tube cryocooler and helium-4 cryostat in close contact with the beamline staff
- Conduct a scientific project related to XRD/XRMS at high pressures
- User support

Requirements

- PhD in physics, chemistry or material sciences
- Experience in XRD on single crystals in the hard X-ray range at synchrotron or laboratory sources
- Thorough knowledge of high pressure technique using DACs
- Knowledge of low temperature measurement techniques is desirable
- Good experimental skills and strong interest in commissioning advanced instrumentation
- Proficiency in English
- Ability to interact with multi-disciplinary staff and facility users

For further information please contact Dr. Sonia Francoual, +49-40-8998-5728 or Dr. Jörg Stempffer, +49-40-8998-4855.

The position is limited to 2 years.

Salary and benefits are commensurate with those of public service organisations in Germany. Classification is based upon qualifications and assigned duties. Handicapped persons will be given preference to other equally qualified applicants. DESY operates flexible work schemes. DESY is an equal opportunity, affirmative action employer and encourages applications from women. Vacant positions at DESY are in general open to part-time-work. During each application procedure DESY will assess whether the post can be filled with part-time employees. There is a bilingual kindergarten on the DESY site.

We are looking forward to your application quoting the reference code preferably via our electronic application System: Online-Application

Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: FSPO009/2016

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Deadline for applications: 9 February 2017

www.desy.de