



# PHOTON SCIENCE.

## DESY, Hamburg location, is seeking: Beamline Scientist (f/m) Extreme Conditions

### 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. Beamline P02 is dedicated to hard X-ray diffraction studies and P02.2 (Extreme Conditions Beamline) in particular focused on the study of polycrystalline and single crystal materials by means of X-ray diffraction at elevated pressures and temperatures in laser and resistively heated diamond anvil cells (DAC).

### The position

- Further development and user support of the Laser Heating Experiment as well as associated heating lasers (Yb Fiber & CO<sub>2</sub>) and spectroscopic equipment
- Development, installation and commissioning of dynamically heated and pressurized DACs
- Computational and scientific user support for laser heating experiments and structural refinement of powder and single crystal data in the DAC
- Promotion and support of scientific projects related to laser heating experiments at the Extreme Conditions Beamline

### Requirements

- PhD in physics, chemistry, mineralogy or equivalent qualification
- Deep and integral knowledge of laser heating in the DAC with Yb fiber laser and CO<sub>2</sub> lasers
- Experience in powder and single crystal diffraction and the structural refinement thereof is beneficial
- Excellent research and communication skills (English)
- Extensive experience in user support at synchrotron facilities

For further information please contact Dr. Hanns-Peter Liermann +49-40-8998-5722.

The position is limited to 3 years.

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.

We are looking forward to your application quoting the reference code preferably via our electronic application System: Online-Application or by email [recruitment@desy.de](mailto:recruitment@desy.de)

### Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: EP039/2015

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**Deadline for applications: 31 January 2016**

[www.desy.de](http://www.desy.de)