



FEL RESEARCH .

**DESY, Hamburg location, is seeking:
Postdoc (m/f)**

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.

The Free-Electron-Laser FLASH at DESY provides unique opportunities for research using ultrafast short-wavelength radiation. The diagnostic of the soft x-ray pulse parameters is essential to carry out well defined experiments. Here, the duration/shape of the only few fs short pulses is the most striking and most difficult parameter to measure. To tackle this challenge within our team we are searching for a motivated scientist.

The position

- Join an international team of physicists and engineers
- Development of novel XUV-pulse duration diagnostics based on laser generated single-cycle THz pulses
- Design and test of the experimental setup
- Participate in experimental campaigns at FLASH and LCLS

Requirements

- PhD in physics
- Solid background in optical (preferably as well THz) fs-technology
- Basic knowledge in electron spectroscopy
- Experience in the construction of experimental UHV setups

For further information please contact Dr. Stefan Düsterer, +4940 8998-91625, stefan.duesterer@desy.de.

The position is limited to 2 years, with a possible extension of one year. 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 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: EP001/2012

Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-1589 |

E-Mail: personal.abteilung@desy.de

Deadline for applications: 15 February 2012

www.desy.de