

COHERENT DIFFRACTIVE IMAGING.

DESY, Hamburg location, is seeking:

Postdoc (f/m) Coherent Diffractive Imaging

DESY

DESY is one of the world's leading research centres for photon science, particle and astroparticle physics as well as accelerator physics. The Center for Free-Electron Laser Science (CFEL) is designed to significantly advance science with next generation light sources and to join forces to explore structural changes of atoms, molecules, condensed, biological, or warm dense matter on femtosecond time scales. The CFEL Coherent Imaging Division needs to develop theoretical and numerical aspects of coherent diffractive imaging and phase retrieval. Therefore, we seek a motivated candidate for a postdoctoral fellowship to develop and test new methods for single particle imaging.

The position

- Developing new methods for phase retrieval
- Applying those methods to phasing experimental data from FEL and synchrotron sources
- Taking part in data analysis and experimental campaigns
- Disseminating results

Requirements

- PhD in physics or related fields
- Expertise in imaging theory
- Good team player
- Ability to communicate research results in an effective way
- Inventive, innovative and willing to explore new ideas

For further information please contact Prof. Henry Chapman, +49-40 8998 4155, henry.chapman@desy.de.

The position is limited to 3 years.

Salary and benefits are commensurate with those of public service organizations 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:

http://www.desy.de/ueber_desy/karriere/online_bewerbung/index_ger.html

Deutsches Elektronen-Synchrotron DESY

Human Resources Department j Code: FSPO005/2016

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Deadline for applications: 30th September 2016

www.desy.de

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