



# PHOTO EMISSION.

## DESY, Hamburg location, is seeking: Postdoc (f/m) Hard X-ray Photoemission

### DESY

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

With the storage ring PETRA III and the Free-Electron-Laser FLASH, DESY offers a unique combination of photon sources to the scientific community. PETRA III, one of the most brilliant hard X-ray facilities world wide, currently provides 17 undulator beamlines for experiments utilizing the extreme source brilliance. For the extension of the PETRA III facility, DESY is seeking a scientist to develop and implement new concepts and instrumentation for photoelectron spectroscopy techniques using hard X-ray excitation ("HAXPES", 3-15 keV) at the new undulator beamline P22.

### The position

- Develop an independent research program using HAXPES at the beamline
- Design and implement relevant instrumentation including sample environments
- Employ relevant data reduction and evaluation software
- Perform scientific projects and work closely with external collaborators

### Requirements

- PhD in physics, chemistry, or materials science
- Profound knowledge of solid state photoemission techniques
- Experience with photoelectron spectroscopy using synchrotron radiation
- Knowledge of X-ray physics beneficial
- Experimental skills and interest in instrumentation development
- Excellent knowledge of English
- Ability to work as part of a multi-disciplinary team

For further information please contact Dr. Christoph Schlueter +49-40-8998-5068 or Dr. Wolfgang Drube +49-40-8998-2674 .

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. 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: FSMA077/2017

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**Deadline for applications: 9 October 2017**

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