



# ACCELERATOR PHYSICS.

**DESY, Hamburg location, is seeking:  
Scientist (f/m) (tenure-track position)**

## DESY

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

DESY operates the world's brightest storage-ring-based X-ray radiation source: PETRA III offers scientists outstanding opportunities for experiments with X-rays of exceptionally high brilliance since 2009. To meet the high demand for beam time 10 new beamlines will be built within the scope of the PETRA III extension project in 2014. To maintain and enhance the high beam quality the operation of the accelerator must be continuously improved and the dynamics of the electron beam has to be carefully studied. Research activities are aiming towards future up-grade scenarios of PETRA III, including the possible conversion of PETRA into a diffraction-limited radiation source for which the appropriate preparatory work has to be done over the next few years. We are seeking a highly motivated scientist to join our PETRA III accelerator physics team.

## The position

- Participate in experimental and theoretical accelerator research and development for the synchrotron light source PETRA III
- Study the linear and nonlinear dynamics of the electron beam for future upgrade scenarios of PETRA III toward a higher beam quality
- Participate in the operation of PETRA III
- Assist the supervision of master and Ph.D. students

## Requirements

- Ph.D. in physics or engineering science
- Several years of experience in accelerator physics
- Experience in computer simulations and numerical methods (the knowledge of commonly used codes within the accelerator physics community is an advantage)
- Ability to communicate research results effectively, both orally and in writing, within the team and at international conferences
- Basic knowledge of German is advantageous

For further information please contact Rainer Wanzenberg, +49 40 8998-2496, [rainer.wanzenberg@desy.de](mailto:rainer.wanzenberg@desy.de)

The position is limited to 3 years, tenure track with possibility of getting a permanent position.

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.

Please send your application quoting the reference code, also by E-Mail to:

### Deutsches Elektronen-Synchrotron DESY

Human Resources Department | Code: EM065/2014

Notkestraße 85 | 22607 Hamburg | Germany | Phone: +49 40 8998-3392 |

E-Mail: [recruitment@desy.de](mailto:recruitment@desy.de)

**Deadline for applications: 26 June 2014**

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