



Deutsches Elektronen-Synchrotron DESY  
Ein Forschungszentrum der Helmholtz-Gemeinschaft

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For our location in Hamburg we are seeking:

## Scientist for Detector Development (Particle Physics)

Remuneration Group 14 | Unlimited | Starting date: earliest possible | ID: FHMA022/2022 | Deadline: 18.09.2022 | Full-time/Part-time

DESY, with more than 2700 employees at its two locations in Hamburg and Zeuthen, is one of the world's leading research centres. Its research focuses on decoding the structure and function of matter, from the smallest particles of the universe to the building blocks of life. In this way, DESY contributes to solving the major questions and urgent challenges facing science, society and industry. With its ultramodern research infrastructure, its interdisciplinary research platforms and its international networks, DESY offers a highly attractive working environment in the fields of science, technology and administration as well as for the education of highly qualified young scientists.

The particle physics programme of DESY includes strong contributions to the LHC experiments, to the Belle experiment, to detector R&D for future particle physics experiment, and a strong on-site program with experiments like ALPS and BabyIAXO. DESY also pursues a significant generic detector development program which is organised in close cooperation with the other divisions at DESY. DESY is seeking an experienced experimental physicist interested in taking a leading role to the development of silicon detectors for next-generation particle physics experiments and contribute to in the upgrade of the silicon strip detector for HL-LHC. We are closely collaborating with Bonn University and the successful candidate will further foster this collaboration.

### About your role:

- Leading role in the detector development of a silicon tracking detector for particle physics based on CMOS
- Fostering technology transfer projects in the particle physics department
- Contributions to the integration of the ATLAS end-cap at DESY
- Engagement in research and design for future experiment(s)
- Participation in the supervision of students and postdocs

### Good reasons to join:

Look forward to a unique working environment on our international research campus. We attach particular importance to appreciative cooperation and the well-being of our DESY employees. Gender equality is an important aspect for us. To support work life balance we offer flexible working hours, variable part-time and job-sharing. You will benefit from our family-friendly and collegial atmosphere, our established health management and occupational pension provision. As a public funded employer, we offer you a secure workplace and facilitate your individual career with our comprehensive training and development opportunities. Remuneration is according to the regulations of the TV-AVH. DESY offers its employees a financial supplement for a job ticket at both locations.

## About you:

- PhD degree in experimental particle physics or similar discipline
- Experience in detector development, ideally in silicon detectors
- Expertise in test beam instrumentation development and/or profound competence in silicon detector characterization and operation
- Outstanding teamwork abilities and excellent communication skills and knowledge of English

**For further information please contact Ingrid-Maria Gregor at +49 40 8998-3032 ([ingrid.gregor@desy.de](mailto:ingrid.gregor@desy.de)).**

Please submit your complete application documents (letter of motivation, CV and relevant certificates) via our application portal.

We look forward to receiving your application via our application portal:

[Apply now](#)

DESY promotes equal opportunities and diversity. The professional development of women is very important to us and therefore we strongly encourage women to apply for the vacant position. Applications from severely disabled persons will be given preference if they are equally qualified.

You can find further information here:

<https://www.desy.de/career/>

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