



# GAMMA-RAY ASTRONOMY.

## DESY, Zeuthen location, is seeking: Postdoc (f/m) CTA Monte Carlo and Reconstruction Pipeline

### DESY

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

The Cherenkov Telescope Array (CTA) is the next-generation facility for high-energy gamma-ray astronomy. DESY at its location in Zeuthen is among the leading institutions in CTA and is participating in the development of the CTA Monte Carlo and Reconstruction Pipeline.

### The position

- Design, develop, and validate software for the CTA Monte Carlo and Reconstruction Pipeline
- Contribute to the Monte Carlo model construction and validation for CTA
- Physics analysis of data from existing gamma-ray experiments and preparation of the physics program for CTA

### Requirements

- Ph.D. in physics or astronomy
- Experience in Monte Carlo and air shower reconstruction methods for astroparticle experiments
- Knowledge of programming (e.g. python) and high-performance computing
- Experience in astroparticle, astronomy or particle physics
- Excellent knowledge of English

Applications should include a CV, a statement of research, a list of publications, and the names and contact info of three references.

For further information please contact Gernot Maier +49-33762-7-7598 or [gernot.maier@desy.de](mailto:gernot.maier@desy.de).

The position is limited to 2 years with the opportunity of an extension. Salary and benefits are commensurate with those of public service organizations 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.

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: FHPO020/2017

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**Deadline for applications: 11 February 2018**

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