Call for 2016 DESY-ONACPR Fellowship Applicants

## **Research Laboratory: DESY**

### Division/Group: Zeuthen Astroparticle Physics

### Supervising scientist: S.Schlenstedt and G.Maier gernot.maier@desy.de phone 7598 [stefan.schlenstedt@desy.de](mailto:stefan.schlenstedt@desy.de) phone 7215

### Research Field: *Gamma-ray astronomy / Astroparticle physics*

**Position:** Postdoctoral Research in Gamma-ray Astronomy

The Cherenkov Telescope Array (CTA) is the next-generation facility for high-energy gamma-ray astronomy. CTA will provide a deep and unprecedented insight into the no-thermal universe. DESY at its location in Zeuthen is among the leading institutions in CTA. It is coordinating the CTA work packages telescope structure and array control and contributing significantly to data analysis and Monte Carlo pipelines. The main physics topics at DESY are the origin of cosmic rays and the nature of dark-matter particles. Further information can be obtained at www.desy.de/CTA.

**Research Area:**

**Specific Requirements:**

We are looking for a postdoctoral researcher who can contribute to the development of the next-generation gamma-ray observatory CTA. The focus is software development preparing the data taking with prototype telescopes and arrays and physics prediction using Monte Carlo simulations.

The specific requirements are:

• Experimental background with experience in gamma-ray physics, cosmic-ray physics, or neighbouring fields, such as elementary particle physics and astrophysics

• Software skills: programming in C++ or python

• Teamwork abilities

**Work Place:** Zeuthen

**Earliest Start:** December 2016 or later?

**Language Requirement:** (please note that we require for all candidates proven records of English, e.g. CAE certificate)

**Further Remarks:** Please reference to DESY-ONACPR-2016-2