Call for 2016 DESY-ONACPR Fellowship Applicants

## **Research Laboratory: DESY (*Please reference to DESY-ONACPR-2016-11*)**

### Division/Group: FH/Belle II

### Supervising scientist: Carsten Niebuhr Email/Phone: [carsten.niebuhr@desy.de](mailto:carsten.niebuhr@desy.de) 4594

### Research Field: Fundamental Particles and Forces

**Position:** Postdoctoral Research Fellow in Experimental Particle Physics

As part of a German consortium DESY participates in the challenging upgrade of the Belle II detector which is scheduled to start data taking in 2017 at the SuperKEKB electron–positron collider in Japan. The German groups are responsible for building a novel pixel vertex detector based on DEPFET technology. Within this project DESY has several important responsibilities in the areas of CO2 cooling, mechanical integration, track finding and alignment, background simulation magnetic field measurement etc..

The DESY group is also strongly involved in the analysis of Belle I data and the preparation for first physics with Belle II. The large and unique Belle I data sample corresponds to an integrated luminosity of more than 1 ab-1 and offers possibilities for many interesting physics analyses.

**Research Area:**

**Specific Requirements:**

PhD in experimental particle physics

Experience in data analysis in high energy physics and/or development or operation of particle physics detectors

Very good communication skills

Demonstrated ability to work in a team

Readiness to travel to Japan during detector commissioning periods and for data taking shifts

**Work Place:** Hamburg or 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:**