Call for 2015 DESY-ONACPR Fellowship Applicants

## **Code DESY-2015-22**

## **Research Laboratory: DESY**

### Division/Group: FH-FLC

### Supervising scientist: Ties Behnke Email/Phone: ties.behnke@desy.de

### Research Field: Particle Physics/Detector development

**Position:** Postdoctoral Research in Advanced detector development

Detector Development: DESY is developing novel gaseous tracking detectors. These detectors are based on the time projection chamber principle, and employ novel means of gas amplification like gas electron multiplier.

The goal of the project would be to develop a new type of highly granular readout, which is based on pixel detectors as developed for tracking detector applications. We like to investigate and develop how we can best combined the strength of a GEM based TPC with the high granularity offered by a Pixel detector.

**Research Area:**

**Specific Requirements:**

A background in detector development, preferably for particle or nuclear physics applications. The application should have a broad knowledge of modern detector technology, including modern data acquisition and processing systems. Experience with gaseous detectors would be an advantage, but not a requirement. Knowledge of common tools like analysis tools, C++ etc are assumed.

**Work Place:** Hamburg

**Earliest Start:** December 2015

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

**Further Remarks:**