**2018 Helmholtz – OCPC – Program**

**for the involvement of postdocs in bilateral collaboration projects**

**DESY\_OCPC\_2018-19**

**PART A**

**Title of the project:**  ATLAS Data Analysis

**Helmholtz Centre and Research Group: DESY**

**Project leader: Dr. Krisztian Peters** [**krisztian.peters@desy.de**](mailto:krisztian.peters@desy.de)

**Web-address:** http://atlas.desy.de/

**Description of the project** (max. 1 page)**:**

The ATLAS/DESY group is involved in the analysis of data taken by ATLAS in several areas, including Standard model analysis, the Higgs boson, the Top quark and Searches Beyond the Standard Model of Particle Physics. The successful candidate will be expected to join one of the research groups and contribute to the analysis of the data to be taken in Run2. In addition, he or she will be expected to contribute to the maintenance and operation of the fast monitoring and calibration software of the ATLAS silicon strip detector (SCT) for which ATLAS/DESY is responsible.

**Description of existing or sought Chinese collaboration partner institute** (max. half page)**:**

Institute of High Energy Physics Beijing

Hefei University of Technology

School of Physics and Astronomy Shanghai Jiao Tong University

**Required qualification of the post-doc:**

* PhD in experimental particle physics
* Experience with particle physics data analysis
* Additional skills in computing

**PART B**

**Documents to be provided by the post-doc, necessary for an application to OCPC via a postdoc-station:**

* + Detailed description of the interest in joining the project (motivation letter)
  + Curriculum vitae, copies of degrees
  + List of publications
  + 2 letters of recommendation
  + Proof of command of English language

**PART C**

**Additional requirements to be fulfilled by the post-doc:**

* Max. age of 35 years
* PhD degree not older than 5 years
* Very good command of the English language
* Strong ability to work independently and in a team