



Position Profile for Chinese Applicants running for 2019 Helmholtz – OCPC – Program

PART A (Info about the Position)

Helmholtz Centre and institute: DESY

Title of the project: Belle II Pixel Vertex Detector

Project leader: Dr. Carsten Niebuhr

Web-address: <http://belle2.desy.de>

Description of the project (max. half page):

DESY is one of 12 German institutes, which provide a novel pixel vertex detector (PXD) that is based on the DEPFET technology for the Belle II experiment at KEK in Tsukuba, Japan. For the first Belle II physics run, which will start in spring 2019 only the inner of the two PXD layers has been installed. In parallel to data taking all components for the final two-layer PXD will be completed in Germany. For testing and commissioning of the final device that will be installed in Belle II in summer 2020 the DESY group is looking for an outstanding postdoc with experience in operation and performance optimization of a modern particle physics detector. Since an important part of the work has to be done at KEK willingness and eligibility to spend some fraction of his/her time in Japan is required.

Required qualification of the post-doc:

- PhD in Experimental Particle Physics
- Experience with modern particle detectors
- Additional skills in modern software and analysis tools

PART B (Materials and Procedures)

The applicants shall submit the following documents to a Chinese postdoc station affiliated to a research institution or a university, after passing through the internal selection, the qualified application shall be forwarded to OCPC, and then to Helmholtz for evaluation:

- Detailed description of the interest in joining the project (motivation letter)
- Curriculum vitae, copies of degrees
- List of publications
- 2 letters of recommendation



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- Proof of command of English language

PART C (General Conditions)

Additional requirements on the postdoctoral fellows:

- Chinese citizenship from Mainland China (allows application while staying abroad)
- Max. age of 35 years, PhD degree not more than 5 years by submission of application
- Very good command of English language
- Strong ability to work independently and in a team