

Field of Interest: hep-ex

Deadline: 2017-10-01

Region: Europe

Job description: Post-doctoral position in Particle Physics at IPHC Strasbourg

Topic: Search for new physics in $b \rightarrow s\gamma$ decays with the Belle II experiment

Description:

IPHC Strasbourg offers a post-doctoral position to work on physics analysis, in the Belle II collaboration which France will join in 2017. The [Belle II IPHC group](#) already contributes to the experiment commissioning (BEAST II) and is reinforcing its physics activity in the perspective of the forthcoming start of the Belle II physics program in 2018.

The physics analysis activity of the IPHC group focuses on the search for manifestation of physics beyond the Standard Model, in particular the determination of the photon polarization in the $B \rightarrow K_{\text{res}} \gamma$ channel through a time dependent CP asymmetry analysis. The post-doctoral fellow will participate to the preparation of the analysis, and to the analysis of the first year of data registered by Belle II.

The proposed work will be conducted at Strasbourg in collaboration with two staff physicists and PhD students, in strong connection with the LAL Orsay group, and within the 2 Belle II physics Working Groups concerned (Radiative and Electroweak Penguin WG and Time Dependent CP violation WG).

Practical details:

The post-doctoral position is funded for 2 years. It is open immediately and must start at the latest on October 1st, 2017. It is based at IPHC (Strasbourg, France), with frequent visits to KEK and LAL.

Required qualifications:

Applicants need to have a PhD in particle physics, skills in physics analysis, and should be able to communicate in English. Experience in B physics would be an asset, though not essential.

Application:

A letter of motivation outlining relevant experience and goals, a CV and at least 2 letters of recommendation should be sent to Isabelle Ripp-Baudot:

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