

Job ID: HEPHY134PD121

The Institute of High Energy Physics ([HEPHY](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, performs a rich experimental particle physics program and is participating in accelerator- and non-accelerator-based experiments. The institute has a major involvement in the CMS experiment at CERN and in the Belle II experiment at KEK. An experimental group works on direct Dark Matter detection with the CRESST and COSINUS experiments at LNGS. A theory group completes the research profile of the institute. HEPHY is offering a

POSTDOC POSITION (F*M) BELLE II

(full time, 40h/week).

for an initial duration of 3 years, renewable once upon satisfactory performance and mutual agreement.

HEPHY has a long tradition of participation in both the Belle and the Belle II experiments and plays a leading role in the operation and upgrade of the Belle II Vertex Detector as well as in physics studies including but not limited to semileptonic B decays, dark sector physics, tau physics. The successful candidate will work at the interface between the the semileptonic group, lead by Dr. Christoph Schwanda, and the InterLeptons group (a recently installed ERC research team) lead by Dr. Gianluca Inguglia. We invite applicants interested in contributing to and extending these lines of research. Possible areas of research include the study of the so-called flavor anomalies with the Belle II data and the upgrade of the Belle II Vertex Detector. Joint participation in both work areas is desirable.

Your profile:

- PhD in physics
- Experience in high energy physics data analysis, including machine learning techniques, or particle physics detector development (experience with the Belle II experiment or in flavor anomalies studies will be considered as an asset)
- Leadership qualities and excellent research record
- Ability to work in large international collaborations, including readiness to travel to KEK (when possible) and to conferences
- Excellent knowledge of English

We offer full time employment for an initial duration of 3 years, with the possibility of an extension upon satisfactory performance and mutual agreement an annual gross salary of € 49.718,34 according to the collective agreement of the Austrian Academy of Sciences (OeAW).

The successful candidate will work in a dynamic and young research environment in the world's most livable city and have the possibility of scientific and personal growth via dedicated support and training. We expect from the selected candidate the acquisition of additional third party funding.

Please send your application including a scientific CV, a research plan (not more than 2 pages) and two letters of recommendation via e-mail to hephy-office@oeaw.ac.at, mentioning Job ID: HEPHY134PD121, **no later than November 30, 2021**. For further Information please contact Gianluca Inguglia (gianluca.inguglia@oeaw.ac.at) or Christoph Schwanda (christoph.schwanda@oeaw.ac.at).

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. The OeAW lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.