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UNIVERSITÄT
BERN

AEC
ALBERT EINSTEIN CENTER
FOR FUNDAMENTAL PHYSICS

The Laboratory for High Energy Physics (LHEP) and Albert Einstein Center for Fundamental Physics (AEC) at the University of Bern invite applications for a

PhD student position in medical applications of particle physics

The position will be in the framework of our activities at the Bern medical cyclotron. Thanks to its characteristic beam transport line, we are currently developing new particle accelerator and detector methodologies as well as novel isotopes for theranostics. In particular, we aim at producing Positron Emission Tomography (PET) isotopes by proton irradiation and proton induced neutron beams for multi-disciplinary research purposes.

The successful candidate is expected to play an active role in our scientific activities, which will involve hardware work, computer simulations and data analysis. She/He must have a Master degree (or equivalent) in physics and good knowledge in the field of nuclear and particle physics applied to medicine. Experience with radiation physics, hardware, computer simulations, data analysis as well as knowledge of programming will be positively considered in the selection procedure.

The position has duration of up to 4 years. Applications will be reviewed starting December 15th 2021 and accepted until the position is filled.

Interested candidates are requested to send by e-mail a letter of application, CV, list of publications, and the names and addresses of two references (no letters, these will be requested at a later stage).

For further information and to apply, please contact:

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