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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

Postdoctoral position in medical applications of particle physics

The position will be in the framework of our multi-disciplinary activities on novel radioisotopes for theranostics. We aim at producing Positron Emission Tomography (PET) isotopes by proton irradiation and alpha/beta emitters for therapy by photonuclear reactions. Most of the investigations will be performed at the Bern medical cyclotron laboratory. Thanks to its characteristic beam transport line, our group currently developing new particle accelerator and detector methodologies for medical and other applications. Photonuclear reactions will be studied using electron accelerators.

The successful candidate is expected to play a leading role in our scientific activities, in particular in the development of targets and irradiation methodologies. This will involve hardware work, data analysis and computer simulations. Applicants must have a PhD in physics or engineering and an excellent knowledge in the field of nuclear and particle physics applied to medicine. Experience with particle accelerators and detectors, targets, radiation protection and computer simulation codes will be highly considered in the selection procedure.

The initial duration of the contract is for two years, extendable. Applications will be reviewed starting September 15th 2018 and accepted until the position is filled.

Candidates are requested to send by e-mail a letter of application, CV, list of publications, and the names and addresses of three references (no letters, these will be requested after an initial selection).

For further information and to apply, please contact:

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