

We are seeking at the Laboratory for Applications of Synchrotron Radiation (LAS) as soon as possible to fill a

Scientist (f/m/d)

You will execute scientific projects for the further development of vacuum chambers for a future circular collider. In particular you will be involved in a feasibility study of a cryogenic vacuum chamber test set up equipped with different diagnostics to measure the pressure, gas content, low energy electrons formation, as well as the heat load produced by a positively charged beam. The feasibility study involves also an experimental part, where you will work with already developed cryogenic vacuum chambers to improve their functionalities. In order to establish the main aims of the test set up, travelling at CERN in Geneva, Switzerland and at LNF in Frascati, Italy, are foreseen.

You must have a university degree or PhD in physics or engineering. High interest in experimental work and the wish to enhance qualification at an internationally acknowledged large-scale facility of scientific infrastructure are required. Experience in one of the fields of vacuum physics, electron spectroscopy, cryogenics and accelerator physics would be advantageous.

The position is limited to 31.12.2021 according to the WissZeitVG (Fixed-Term Contracts in Science Act). The Remuneration is based on the Collective Agreement for the Public Service Sector TV-L, E13 provided that personal preconditions are given.

We offer an attractive and modern workplace with access to excellent facilities of KIT, diverse and responsible tasks, a wide scope of advanced training options, supplementary pension with the VBL (Pension Authority for Employees in the Public Service Sector), flexible working time models, a job ticket (BW) allowance, and a cafeteria/canteen.

We prefer to balance the number of employees (m/w/d). Therefore we kindly ask female applicants to apply for this job. If qualified, severely disabled persons will be preferred.

Please send the full application before **March, 22nd 2019** to **Anne Stößer**, email: anne.stoesser@kit.edu. For further details please contact Dr. Casalbuoni, phone +49(0)721/608-28369.



Further details can be found on our website: www.kit.edu.

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