

The Institute for Theoretical Physics of the Department of Physics and Astronomy at Heidelberg University announces an opening for a

FULL PROFESSORSHIP (W3) IN THEORETICAL PHYSICS.

We are looking for an internationally recognized theorist working on quantum physics in the context of quantum simulation, physical aspects of information theory, and the foundations of new methods of information processing and computation. The new professor should establish contact to the Heidelberg research groups in experimental and theoretical physics, and in particular provide theoretical perspectives for future experiments. This professorship is a key component in the Heidelberg cluster of excellence **STRUCTURES** and in the newly established focus area physics of information/novel methods of computation at the Department of Physics and Astronomy.

The successful candidate is expected to participate in the teaching program in theoretical physics at all levels and play a leading role in joint grant applications at the Institute for Theoretical Physics.

Prerequisites for application are a university degree and (in accordance with Article 47, paragraph 2 of the Higher Education Law of the State of Baden-Württemberg) a Habilitation, a successfully evaluated junior professorship or equivalent qualification. Heidelberg University seeks to achieve a higher proportion of women in areas where they have not been adequately represented so far. Preference will be given to applicants with disabilities having equal qualifications for the position.

Qualified candidates are invited to submit their application in English including a CV, a list of publications, a list with teaching experience and a research plan in electronic form (pdf) until **October 21, 2020** to the Dean, Prof. Dr. T. Plehn, Department of Physics and Astronomy, Im Neuenheimer Feld 226, D-69120 Heidelberg (dekanat@physik.uni-heidelberg.de).

Information on the collection of personal data in accordance with Art. 13 DS-GVO can be found on our homepage at https://www.uni-heidelberg.de/datenschutz_personal