The support of scientists at all career stages is one of the highest priorities of the Excellence University of Bonn. In this context, the Clausius Tenure Track Professorship is specifically dedicated to support outstanding junior researchers.

Applications are invited for an open position of a

Clausius-Professor (W1)

for Computational Quantum Field Theory
(tenure track to W3)

to be filled as soon as possible within the Transdisciplinary Research Area "Building Blocks of Matter and Fundamental Interactions" of the University of Bonn. The initial appointment will be at W1 level (Assistant Professor) with tenure track to a W3 position (Full Professor).

The successful candidate will have a strong research profile in the area of computational quantum field theory with a special focus on neutrino physics and topological strongly coupled quantum field theories as well as the application of quantum computing and machine learning to quantum field theories. Experience in the development and implementation of state-of-the-art algorithms for quantum computers is assumed. The successful candidate is expected to contribute to existing and future collaborative third-party funded research projects such as the Sino-German CRC 110 „Symmetries and the Emergence of Structure in QCD“. Collaboration with other research fields, such as astrophysics or theoretical chemistry, is desirable.

Teaching is an integral part of professorships. The Professor’s teaching responsibilities are in the area of theoretical physics and follow the provisions of the Higher Education Act of the Federal State of North-Rhine Westphalia. Lectures related to the application of quantum computing in Physics are desirable.

Assistant professors are appointed for an initial period of three years with an extension for another three years in case of a positive interim evaluation. Subsequently, the appointment can be made permanent at W3 level following a positive final evaluation by the University’s governing bodies.

Awarding tenure is not subject to a vacancy at the time when the fixed-term contract of the tenure-track position expires. This call is aimed at early-career researchers. Candidates must have changed universities following the doctorate or have been working in academic research outside of the University of Bonn for at least two years prior to applying.

Formal requirements are defined by § 36 of the Higher Education Act of North Rhine-Westphalia (Hochschulgesetz Nordrhein-Westfalen).

Regulations on tenure track at the University of Bonn and further information on tenure track professorates at the University of Bonn are available at www.uni-bonn.de/en-tenure-track

Further information about the Transdisciplinary Research Area „Building Blocks of Matter and Fundamental Interactions“ can be obtained at tra2-matter.uni-bonn.de.

For further information on this professorate, please contact Prof. Dr. Ulrike Thoma via E-Mail (thoma@hiskp.uni-bonn.de).
The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university and offers a dual-career service. The aim of this program is to increase the proportion of women in areas in which they are under-represented and to promote their careers. The University therefore strongly encourages applications from qualified women. Applications are processed in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz). Applications from suitably qualified individuals with proven severe disabilities, or those granted an equivalent status, are particularly welcome.

Qualified applicants are requested to apply by submitting the usual documents (cover letter, CV, research plan and teaching concept, list of publications, degree certificates) in English until 31.12.2021.

Please apply via our online portal: www.berufungsportal.uni-bonn.de