The Faculty of Physics offers a full-time research position (postdoc) preferably starting May 1st, 2020 (E13 TV-L, non-permanent position)

Your Tasks

The Faculty of Physics at the University of Bielefeld is inviting applications for a postdoctoral position in lattice QCD, starting in May 2020 for the duration of two years. The successful candidate will work in the research group of Prof. Gergely Endrödi and contribute to the Emmy Noether project “QCD thermodynamics with isospin density and magnetic fields” funded by the German Research Foundation (DFG).

The tasks essentially include:

- the development and implementation of new lattice techniques and running numerical simulations (ca. 60 %)
- the evaluation and interpretation of data including analytical calculations (ca. 30 %)
- involvement in writing publications and presentation of scientific results at conferences (ca. 10 %)

Your Profile

We expect:

- master degree or equivalent in physics
- PhD degree in the field of theoretical physics
- deep knowledge of quantum field theory and lattice gauge theory
- experience with numerical simulations of QCD involving external fields
- experience with analytical approaches, in particular the functional renormalization group
- ability to work well in a team
- very good presentation and moderation skills
- good knowledge of English in written and spoken form

Preferable qualifications:

- documented knowledge on thermal quantum field theory
- experience with parallel programming

Remuneration

Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) sentence 2 of the WissZeitVG (fixed-term employment), the contract will end after two years. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, this full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

Application Procedure

For full consideration, your application (including a CV, a motivation letter and two letters of recommendation) should be received via either post (see postal address below) or email (a single PDF) document sent to gudrun@physik.uni-bielefeld.de by March 25, 2020. Please mark your application with the identification code: wiss20058. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure.

Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal data is available at https://www.uni-bielefeld.de/Universitaet/Aktuelles/Stellenausschreibungen/2019_DS-Hinweise_englisch.pdf.

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Bielefeld University has received a number of awards for its achievements as an equal opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the German state’s equal opportunity law. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.