UNIVERSITÄT BIELEFELD

The Faculty of Physics, CRC-TR 211, offers a part-time

research position

starting as soon as possible

(E13 TV-L, non-permanent position)

Your Tasks

The group “Lattice Gauge Theory” in the division “Theoretical Physics” at Bielefeld University offers a position (starting as soon as possible) with a funding period of one year. An extension for further two years is intended within the scope of the renewal of the collaborative research center transregio-CRC-TR 211 funded by the Deutsche Forschungsgmeinschaft (DFG). The candidate is expected to contribute to the research of strongly interacting matter with means of the numerical methods of lattice gauge theory. This research is embedded in projects of the collaborative research center Transregio CRC-TR 211 “Strong-interaction matter under extreme conditions“ (Bielefeld-Darmstadt-Frankfurt a. M.) that is funded by the German Research Foundation (DFG). The essential tasks are:

- research tasks (approx. 95 %)
  - research on strongly interacting matter at non-vanishing baryon density. In particular, Monte Carlo simulations in a world-line formalism shall be performed. (approx. 80 %)
  - participation in research and discussions within research projects across locations within the CRC-TR 211 “Strong-interaction matter under extreme conditions“ (Bielefeld, Darmstadt und Frankfurt a. M.), (approx. 15 %)
- further tasks (approx. 5 %): participation in academic self-administration in the Faculty of Physics

We are looking for committed and motivated researchers who can actively contribute to the scientific progress, together with the other members of the research group.

Your Profile

We expect
- academic degree (e. g. Master or equivalent) in Physics
- experience in numerical simulations
- knowledge about programming in C/C++ and Python
- very good written and spoken English
- ability to cooperate and to work in a team
- independent, self-reliant and dedicated style of work
- skills in presenting research results
- interest in the topics covered by the CRC-TR 211

Preferable qualifications
- documented knowledge of QCD and statistical physics
- experience with Monte Carlo techniques and the application of numerical methods
- knowledge about the sign problem in Monte Carlo simulations

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 1 of the WissZeitVG (fixed-term employment), the contract will end after one year. 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. An extension for further two years is intended within the scope of the renewal of the collaborative research center transregio-CRC-TR 211 funded by the Deutsche Forschungsgmeinschaft (DFG). The employment is designed to encourage further academic qualification. The position is advertised as 65 % part-time job. In individual cases, this percentage may be reduced on request, 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 should be received via either post (see postal address below) or email (a single PDF document) sent to kehler@physik.uni-bielefeld.de by **December 9th, 2020**. Please mark your application with the identification code: **wiss20266**. 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 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 state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.

Zertifikat seit 2006 audit familiengerechte hochschule

TOTAL E-QUALITY DIVERSITY