



The Collaborative Research Center, CRC-TR211, has an immediate opening for a

research position in Theoretical Physics

(E13 TV-L) (non-permanent position)

Your Tasks

The theory division of the physics department at Bielefeld University has an immediate opening for a postdoc position within the newly founded Collaborative Research Center CRC-TR 211 "Matter under extreme Conditions" of University groups in Bielefeld, Darmstadt and Frankfurt a.M. The position is funded by the German Research Foundation (DFG) and is associated to one of the central projects, the Software Development Center. The position is funded for two years initially.

Successful candidates are expected to:

- contribute to research on QCD at high temperatures and densities by means of numerical simulation of the lattice regularized theory, with the focus on the exploration of most modern hardware and the implementation and optimization of QCD kernels on multi-core and multi-thread architectures (ca. 75 %)
- participate in the joint research work performed in collaboration with groups in Darmstadt and Frankfurt (ca. 15 %)
- contribute to combined research of the whole CRC, including attendance and preparation of common activities as e.g. the yearly "retreat" or the "topical workshops" (ca. 5 %)
- participate in the organization of the academic life in the Physics department (ca. 5 %)

We are looking for scientists who are motivated to actively contribute to the goals of Collaborative Research Center in cooperation with its members in Bielefeld as well as the two other nodes of Darmstadt and Frankfurt.

Your Profile

We expect

- a degree (master or equivalent) in physics or computer science
- PhD with a thesis subject close to the research fields of the CRC-TR
- knowledge in particle or nuclear physics
- experience in numerical work and interest in computer hardware
- general interest in the research spectrum of the CRC, in particular in relativistic heavy ion physics
- team work and communication capabilities
- good knowledge of English

Preferable qualifications

- knowledge in programming GPUs and/or Xeon Phi architectures

Our Offer

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) paragraph 1 of the WissZeitVG (fixed-term employment), the contract will be initially for 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, these full-time positions may be changed into part-time positions, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to 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 and three recommendation letters (these should not be sent by the applicant, but be arranged for) should be sent via either post or in a single file to gudrun@physik.uni-bielefeld.de by the **31st of December 2017**. Please mark your application with the identification code: **wiss17285**. 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.

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Bielefeld University has received a number of awards for its achievements in the provision of equal opportunity 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 and Trades and Craft. Applications are handled according to the provisions of the state equal opportunity statutes. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.

Die Universität Bielefeld ist für ihre Erfolge in der Gleichstellung mehrfach ausgezeichnet und als familiengerechte Hochschule zertifiziert. Sie freut sich über Bewerbungen von Frauen. Dies gilt in besonderem Maße im wissenschaftlichen Bereich sowie in Technik, IT und Handwerk. Bewerbungen geeigneter schwerbehinderter und ihnen gleichgestellten behinderten Menschen sind ausdrücklich erwünscht.

