

Strongly Coupled Quantum Field Theories

Field of Interest: gr-qc, hep-lat, hep-ph, hep-th, math-ph

Job description:

Applications are invited for a **PhD position in Quantum Field theory** at the Friedrich-Schiller-University Jena. The position is for 1+2 years and is paid according to salary group TV-L 13 (50%).

The successful candidates will work on strongly coupled quantum field theories in the research group of Andreas Wipf, in which such systems are investigated. With the help of semi-analytic (renormalisation group) methods and numerical Monte-Carlo simulations we investigate spin models, fermionic systems and (supersymmetric) gauge theories.

Applicants should hold a Master degree in physics and they should have already shown good research abilities and potential in the field of quantum field theory. The applicant is expected to actively participate in the scientific life of the Theoretical Physics Institute. Senior members of the Institute are Martin Ammon, Georg Bergner, Holger Gies, Andre Sternbeck, Bernd Brügmann, Reinhard Meinel, Andreas Wipf, Luca Zambelli and Omar Zanusso working on the AdS/CFT- correspondence, supersymmetric lattice theory, strong field physics, functional renormalization group, lattice gauge theories, (numerical) general relativity and relativistic astrophysics.

The Friedrich-Schiller University Jena is an equal opportunity employer, and applications from women and people from minority backgrounds are encouraged.

Please send your application with a curriculum vitae and a description of your research interests compiled in one single pdf document to wipf@tpi.uni-jena.de. Please also arrange for a letter of recommendation to be written and sent to the same email-address. Applications are invited to arrive **before October 15th, 2017**; later applications will be considered until the position is filled.

Contact: Andreas Wipf

Email: wipf@tpi.uni-jena.de

web-page: <http://www.tpi.uni-jena.de/qfphysics/homepage/wipf/>

Letters of Reference should be sent to: wipf@tpi.uni-jena.de