

PhD in Theoretical High Energy Physics

ERC-FUNDED RESEARCH PROJECT

The Theoretical High Energy Physics Group at the Institute of Physics at Johannes Gutenberg University Mainz plans to make an appointment at the PhD level. The appointment is for three years, starting from October 2017. The group consists of Profs. J. Henn, G. Honecker, T. Hurth, J. Kopp, M. Neubert, M. Reuter, P. Schwaller, W. Shepherd, H. Spiesberger, S. Weinzierl, and a significant number of postdoctoral fellows, PhD and master students. The interests of the group cover a wide range of topics in particle physics, astrophysics, quantum field theory and string theory.

The research project, hosted by Prof. J. Henn, is at the intersection of applications to collider phenomenology, and the development of new methods for scattering amplitudes and Feynman integrals. This research is funded by the European Union through the ERC Consolidator Grant project 'Novel structures in scattering amplitudes' (2017-2022). For more details, see <http://www.staff.uni-mainz.de/henn/>.

Stimulating scientific environment. Our research activities are integrated within the Excellence Cluster 'Precision Physics, Fundamental Interactions and Structure of Matter' (PRISMA), <http://www.prima.uni-mainz.de>. Regular scientific workshops, programs and schools with leading international researchers at the Mainz Institute for Theoretical Physics (MITP) <http://mitp.uni-mainz.de> provide a stimulating scientific environment and opportunities for international collaboration. In addition, PhD students can also profit from exchange agreements with ICTP/SAIFR São Paulo (Brazil) and Fermilab (USA).

Applicants should submit the following application material:

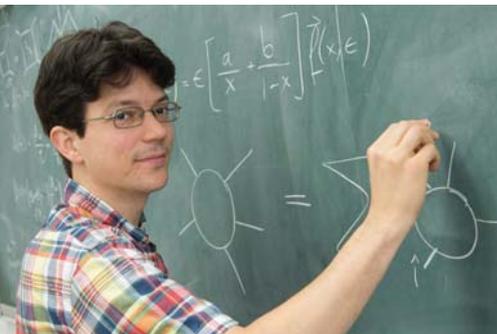
- Cover letter
- Curriculum Vitae
- Two reference letters
- Two referee forms (attached to this PDF)
- Transcript of studies (an excellent MSc degree is required)
- Certificate of proficiency in English (for non-native speakers)

The cover letter should contain an example of previous achievements, explain the specific interest in this position and highlight relevant skills. Selection is done based on academic excellence and suitability for the research program.

All documents should be submitted online using the Academic Jobs Online website: [#8835](#)

Inquiries about the position should be sent to Silke Koester, (silke.koester@uni-mainz.de).

The deadline for applications is February 17, 2017. Later applications will be considered until the position is filled.



Scientific discussions during a workshop at the MITP



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