



The Max Planck Institute for Physics carries out basic research in the field of theoretical and experimental elementary particle and astroparticle physics with approximately 330 employees from more than 20 countries. The Theory Groups of Georgi Dvali, Dieter Lüst, and Giulia Zanderighi at the Max Planck Institute for Physics in Munich are inviting applications for a

Group-Leader Position in Numerics, Algorithms, and IT Support

These groups include staff members and group leaders Lasha Berezhiani, Ralph Blumenhagen, Thomas Hahn, Ulrich Haisch, Georg Raffelt, Frank Steffen, Stephan Stieberger, and Marius Wiesemann. For more information see <https://www.mpp.mpg.de/en/research>.

Suitable candidates are expected to

- Perform research primarily in the field of high-energy collider physics, with particular emphasis on the development and use of numerical methods and algorithms.
- Support and train young scientists in developing and using numerical codes and algorithms, and in the usage of High Performance Computing systems.
- Collaborate with the IT department of the institute.

The required qualifications are

- A PhD degree in physics.
- Well-established achievements in high-energy particle physics research, with particular emphasis on numerical methods and algorithms.
- Experience in the development of software for the simulation of high-energy particle collisions (e.g. Monte Carlo methods, event generators, or machine-learning techniques)
- Experience in high-performance computing systems, computer algebra tools, and software used in the field.

Remuneration is based on the wage agreement for the public service (TVöD Bund) up to level E14, depending on qualification and experience. It is a fixed-term appointment with an initial contract duration of 5 years, with the possibility to become a permanent position.

Applications must be uploaded from the following page <https://apply.mpp.mpg.de/TH-IT/> and should include a curriculum vitae, a list of publications, a statement of research interests, and names and e-mail addresses of three referees that will provide letters of reference.

The referees will receive personalized links for uploading the recommendation letters (no registration required). Be sure to provide correct e-mail addresses as bounces may not be detected immediately and will delay the application.

The Max Planck Society strives for gender equality and diversity. The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. Furthermore, the Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. The application period starts now. Priority will be given to applications received before **December 6, 2020**.

For further information please contact

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The Max Planck Institute for Physics collects and stores personal data that you send for your application. Further information on the data collected can be found at <https://www.mpp.mpg.de/en/studying-and-working/jobs/data-protection-statement-for-job-applications/> for more information about personal data