



**Postdoctoral Position (f/m/d)**  
High-Energy Gamma-Ray Astrophysics  
(CTA/ Large Size Telescope Project)

The *Max-Planck-Institut für Physik (MPP)* is a research institute focusing on particle and astroparticle physics from both an experimental and a theoretical perspective. The research activities of the experimental astroparticle physics group comprise participation in the gamma-ray telescopes, CTA, MAGIC, and Fermi Gamma-Ray Satellite and the CRESST dark matter search.

The institute's experimental astroparticle physics group coordinates the construction of the CTA Large Size Telescopes (LST) with a diameter of 23m in CTA North. The first telescope LST-1 has been built and commissioned since summer 2018, now shifting to the engineering operation and cross-calibration with the MAGIC telescopes. The Large Size Telescopes 2 to 4 are under construction and shall be completed in 2023, finally configuring an array of four Large Size 23 m diameter telescopes. This array will offer an excellent sensitivity for high energy gamma rays from 20GeV to 3 TeV and expand the visible gamma-ray horizon in the Universe to the cosmological distance. CTA aims at a ten times better sensitivity than currently working IACTs, and will cover a broader energy range.

MAGIC is a ground-based Imaging Atmospheric Cherenkov telescope stereo system with two 17m diameter dishes studying high energy phenomena in the Universe with high energy gamma rays above 50 GeV. The system has been operating in stereo mode with high sensitivity since summer 2009 and has been a leader in high energy gamma-ray astrophysics for several years.

**We invite applications for postdoctoral positions in high energy gamma-ray astrophysics to strengthen our experimental astroparticle physics group.**

We are looking for postdoctoral researchers who can contribute to the development and commissioning of the new generation CTA-LSTs, and also to the data analysis and science with the newly built CTA-LSTs and MAGIC Telescopes. The successful candidate is expected to have an experimental background in cosmic-ray physics, gamma-ray astrophysics, or neighboring fields, such as elementary particle physics and astrophysics.

The position is limited to a period of initially two years, with a possible extension of up to four years. Salary and benefits are in accordance with the German public service pay scale (TVöD).

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.

For questions concerning the position offered, please contact Prof. Masahiro Teshima (e-mail: [mteshima@mpp.mpg.de](mailto:mteshima@mpp.mpg.de)). Interested scientists should send their applications (including a CV, list of publications and research interest) until **30 September 2020** and arrange for two recommendation letters to be sent as PDF and received by the same date via e-mail to [dwerner@mpp.mpg.de](mailto:dwerner@mpp.mpg.de).

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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/lernen-und-arbeiten/stellenangebote/schutz-von-bewerberdaten/> for more information about personal data