



Postdoctoral Positions

High-Energy Gamma-Ray Astrophysics
(CTA Large Scale Telescope Project)

The Max Planck Institute for Physics does fundamental research in particle and astroparticle physics from both an experimental and a theoretical perspective. Our research activities in astroparticle physics comprise participation in the gamma ray telescopes, CTA, MAGIC, and Fermi Gamma Ray Satellite and the CRESST dark matter search.

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

The institute's experimental astroparticle physics group is coordinating the construction of the CTA Large Size Telescopes (LST) with a diameter of 23m each in CTA North. The first prototype telescope will be built and commissioned in fall 2017. Large Size Telescopes 2 to 4 will be realized in 2018 and 2019, finally configuring an array of four Large Size 23 m diameter Telescopes which will start the very sensitive observation especially in lower energies from 20GeV to 1TeV and expand the visible gamma ray horizon in the universe. CTA aims at a 10 times better sensitivity than that of currently working IACTs, and will cover a wider energy range.

MAGIC is a ground-based Imaging Atmospheric Cherenkov telescope stereo system with two 17m diameter dishes studying the 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 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 MAGIC Telescopes. Candidates with an experimental background in cosmic-ray physics, gamma-ray astrophysics, or neighboring fields, such as elementary particle physics and astrophysics, are invited to apply.

The positions are 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 wishes to increase the participation of women wherever they are underrepresented; therefore, applications from women are particularly welcome. Following its commitment to an equal opportunities employment policy, the Max Planck Society also especially encourages handicapped persons to submit their applications.

For further information 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 16 Dec 2016 and arrange for two recommendation letters to be received by the same date at

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