



## Adaptive Optics Scientist for ARGOS

The Max Planck Institute for Extraterrestrial Physics in Garching, Germany offers a postdoctoral position in the framework of commissioning and early science operation of ARGOS. (<http://www.mpe.mpg.de/ir/argos>)

ARGOS equips the Large Binocular Telescope (LBT) in Arizona, USA with an up to date laser guide star and wavefront sensor system. It uses multiple laser guide stars and according wavefront sensors to conduct a wide field adaptive optics correction. The ground layer correction is enhancing the spectroscopic and imaging performance of the associated infrared multi object spectrographs LUCI1 & LUCI2 by improving the PSF over a field as large as 4 by 4 arcmin. The laser guide stars of ARGOS are generated by Rayleigh scattering of high power lasers in the upper atmosphere. ARGOS is a large, MPE led collaboration, with several partners in Germany, Italy and the US.



For the finalization, commissioning and early science operation we are offering the possibility to contribute to the success of a unique facility, enabling high resolution astronomical research. The position includes instrumentation work in hard and software, characterization of the adaptive optics performance on sky, operation of this new and challenging system for early science operation. While the position is primarily offered in Garching, willingness to travel and extended campaigns at LBT and Tucson Arizona are foreseen.

Applicants should have a PhD in astronomy or related field before starting. We especially encourage applicants with experience and interest in astronomical instrumentation, with a background in physics, engineering and knowledge in software. Please send a letter of application noting this position, a brief description of research interests, a curriculum vitae including bibliography, and letters of reference to:

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