

POSTDOC POSITION in the field of Theoretical Physics and Astrophysics

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The Institute for Theoretical Physics and Astrophysics conducts research on a wide range of topics. In Astrophysics we focus on the physics of massive stars, star clusters and the intergalactic medium using spectroscopic data and theoretical modelling where satellite data is an increasingly important source of information. In string theory we are active in the fields of supersymmetry, D-branes, integrability and formal aspects of BRST-BV quantisation. In optics we investigate and design new optical devices based on transformation optics and on the analogy between optics and mechanics.

The successful candidate should:

- be a researcher who has received a PhD or its equivalent within the last 7 years
- be a researcher who has worked at least two whole years in the last three outside the territory of the Czech Republic in the field of research with a working time of at least 0.5 full-time equivalent, or who has been PhD student (or equivalent) abroad
- have a publishing record in the last three years at least two publication outputs registered in the Thomson Reuters Web of Science, Scopus or ERIH PLUS databases and at the same time publications such as "articles", "ebooks", "book chapters", "letters" and "reviews". The applicant must have at least one publication (according to the subject specificity it may be as the first author, the corresponding/reprint author, or the role of the individual authors stated in the article).
- have experience in the field of either
Astrophysics " Experience with ESO instrumentation (VLA, ALMA) or space observatories is a strong advantage.
String theory " with a specialisation in the AdS/CFT correspondence.
Transformation optics " with specialisation in applications of metamaterials and constructing new optical instruments.
- have experience with research projects (an advantage)
- have excellent communication skills and an ability to collaborate with multiple teams

The application should include:

- a CV including a summary of work experience, -publication activity, involvement in research grants, etc.
- a Cover Letter
- contact information for at least three referees

MU offers the opportunity to gain:

- an interesting job in a dynamically expanding university area
- diverse and challenging work in an excellent research environment
- possible tenure track with an initial appointment for two years
- a professional team and a pleasant working environment
- interaction with leading scientists in an inspiring, internationalised environment
- a Welcome Service for the successful candidate and his/her family
- have excellent communication skills and an ability to collaborate with multiple teams

Attention/Comments:

Weblink: <http://postdoc.muni.cz>
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Deadline: 28 January 2018