

Announcement of postdoctoral position related to PLATO science at Freie Universitaet Berlin, Germany

Postdoctoral position related to PLATO science

The FU Berlin (Department of Geosciences/Planetary Sciences) cooperates with the Institute for Planetary Research of the German Aerospace Center (DLR) as part of the PLATO mission (PLANetary Transits and Oscillations of stars). The mission aims to find and characterize extrasolar planets, including Earth-like planets.

The PLATO Mission Consortium develops parts of the scientific payload, participates in the scientific operation of the payload, the scientific ground segment and ground-based follow-up observations to determine the mass, as well as in scientific mission planning and analysis.

The applicant supports the activities of the PLATO team regarding the creation of data production on the internal structure and evolution of detected planets

Job description:

The aim of this work package is to develop numerical models to provide information on the internal structure of exoplanets and study their evolution over time.

In addition to the primary parameters, information on planet interiors can be included in the PLATO planet catalogue and thus provide the scientific community with initial clues about the nature of the discovered planets as a basis for follow-up observations and further detailed modelling. Tasks include:

- Development of models to derive information about the internal structure and temporal evolution of planets from PLATO parameters.
- Development of an interface for the PLATO L2 and L3 database.
- Linking the results with theories on planet formation.

Please, submit your application as pdf-file by **August 5, 2024** to plansec@zedat.fu-berlin.de .

The expected starting date is not earlier than October 2024. The duration of the contract is limited until December 31, 2027.

Further details about the position can be found at:

https://www.fu-berlin.de/universitaet/beruf-karriere/jobs/english/GW-WiMi_PLATO-Katalog_Planetologie-2024.html

For further information, please contact Mrs Stefanie Pott (plansec@zedat.fu-berlin.de / 030/838-70575) or Heike Rauer (heike.rauer@dlr.de).