

Job ID: IWF158DOC221

The Space Research Institute (IWF) of the Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, has been studying the physics of space plasmas and the atmospheres of planets inside and outside our solar system for 50 years. With about 100 employees from twenty nations, it is one of the largest institutes of the Austrian Academy of Sciences. The institute is located in the Victor Franz Hess Research Center of OeAW in the south of Graz. At the Lustbühel Observatory it operates a satellite laser ranging station, which is one of the best in the world. The IWF is offering a

## PHD STUDENT POSITION (F\*M) *in Space Plasma Physics* (part-time, 30h per week)

The Space Research Institute (IWF) Graz invites applications for a doctorate position for 36 months in the area of planetary plasma physics focusing on ion dynamics around Mercury within a project for the PICAM (Planetary Ion CAMera) instrument, an ion mass spectrometer and part of the SERENA (Search for Exospheric Refilling and Emitted Natural Abundances Experiment) sensor suite, in ESA's BepiColombo mission.

### Your tasks:

- Numerical modeling of the ion dynamics around Mercury
- Establishment and running of a simulation environment as support for the operation planning and data analysis of PICAM

### Your profile:

- Master's degree in physics, astrophysics or other relevant fields to the project
- Research experience in the field of charged particle motions in a turbulent plasma
- Basic knowledge in C++ or a similar programming language
- Fluent in spoken and written English

The annual gross salary will be € 31.326,40 according to the Collective Agreement of the OeAW.

Please send your application including a curriculum vitae, a list of publications, statement of the past and current research experience (up to 2 pages), certificates for full academic record, and up to three names of references with the full contact information in a single PDF file via email to [gunter.laky@oeaw.ac.at](mailto:gunter.laky@oeaw.ac.at) (mentioning Job ID: IWF158DOC221) **no later than December 10, 2021**.

Find more information about the Space Plasma Physics Group and the BepiColombo Mission at IWF's website (<https://www.oeaw.ac.at/en/iwf/>).

*The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.*