

Job ID: HEPHY022DOC223

The Institute of High Energy Physics ([HEPHY](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution, performs a rich particle physics research program participating in accelerator and non-accelerator-based experiments, complemented by a theory group. In this context, HEPHY is offering a

## PHD STUDENT POSITION (F/M/X) *in the Theory Group* (part-time, 30h per week)

The successful candidate is expected to start in May 01<sup>st</sup>, 2023.

### Your tasks:

The PhD studies, part of an ERC-funded program, revolve around the particle physics of the Dark Matter problem and are particularly focused on the phenomenology and detectability of light dark matter candidates in rare underground event searches. The student is also expected to take part in the University of Vienna Particle Physics Group regular curriculum of events such as seminars and colloquia.

### Your profile:

- Master (or equivalent) degree with a strong theoretical particle physics background
- Knowledge of the Standard Model and quantum field theory are required
- Previous experience with Mathematica, Python or other programming languages are an asset but not a must.
- Good communication skills and very good English language skills

### Our Offer:

- Position is located in Vienna, one of the cities with world's highest living standard
- The position is offered for a period of three years
- An annual gross salary of € 34.507,20, according to the salary scheme of the Austrian Science Fund ([FWF](#))

Please send your applications including a CV, letter of motivation, graded study records, and a recommendation letter of your Master's thesis supervisor via email to [hephy-office@oeaw.ac.at](mailto:hephy-office@oeaw.ac.at) (mentioning Job ID HEPHY022DOC223) **no later than March 31<sup>st</sup>, 2023**.

The selection is a rolling procedure, thus early applications have an advantage. For informal enquiries and more information please email [josef.pradler@oeaw.ac.at](mailto:josef.pradler@oeaw.ac.at).

*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.*