Postdoctoral Fellow in Kagome Lattice and van der Waals based Quantum Materials
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Job Title	Postdoctoral Fellow in Kagome Lattice and van der Waals based Quantum Materials
Department	Paul Scherrer Institute https://www.psi.ch/en
Institution	ETH Villigen, , Switzerland
Date Posted	Feb. 12, 2025
Application Deadline	Apr. 15, 2025
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Sciences - General Physics - General Sciences - General Physics - General
Job Website	https://www.psi.ch/de/hr/stellenangebote
Apply Online Here	https://apply.refline.ch/673278/3591/z9yg6N39-EDB41fcepPgjFFUM.gdCF-YvoD-iqqxXZEi-9OWEXDQIY/apply
Apply By Email	
Job Description	

The Paul Scherrer Institute PSI is the largest research institute for natural and engineering sciences within Switzerland. We perform cutting-edge research in the fields of future technologies, energy and

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climate, health innovation and fundamentals of nature. By performing fundamental and applied research, we work on sustainable solutions for major challenges facing society, science and economy. PSI is committed to the training of future generations. Therefore, about one quarter of our staff are post-docs, post-graduates or apprentices. Altogether, PSI employs 2300 people. To complement our research in Kagome Lattice and van der Waals based Quantum Materials, we are looking for a motivated and talented scientist to push technical and scientific boundaries. You will become part of a vibrant research environment to perform collabor

Your tasks

- Growth of kagome materials in thin film form
- Exfoliation of thin flakes in vdW magnets
- Patterning of devices via microfabrication
- Investigation of electronic/heat transport

Your profile

You have a PhD in physics with solid knowledge of condensed matter physics, quantum mechanics, and magnetism. You have interest in a wide range of physics and experimental techniques and you are capable to adapt to new challenges. You are an independent researcher but at the same time a good team player.

You possess the following:

- Expertise in low temperature delicate electrical/heat transport measurements
- Expertise in vacuum technology and film growth and/or exfoliation of vdW flakes
- Expertise in microfabrication using optical lithography and e-beam lithography
- Good software skills to analyze data
- Proficiency in English both spoken and written

We offer

Our institution is based on an interdisciplinary, innovative and dynamic collaboration. You will profit

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from a systematic training on the job, in addition to personal development possibilities and our pronounced vocational training culture. If you wish to optimally combine work and family life or other personal interests, we are able to support you with our modern employment conditions and the on-site infrastructure.

Your initial employment contract is limited for 2 years.

For further information, please contact Yona Soh, yona.soh@psi.ch.

Please submit your application online by 15. April 2025 (including list of publications and addresses of referees) for the position as a Postdoctoral Fellow (index no. 6516-00).

Paul Scherrer Institute, Human Resources Management, Mariusz Prus, 5232, Villigen PSI, Switzerland
www.psi.ch

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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