Paul Schindler

Personal Data

Name Paul Manuel Schindler

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Research Interests

Quantum Many Body Physics: Quantum Dynamics, Floquet Engineering, Glassy Systems

Variational Methods for equilibrium and out-of-equilibrium systems

Education

Since Nov. 2021 **Member of International Max Planck Research School Many-Particle Systems in Structured Environments**

Since Nov. 2021 **Ph.D. Applicant**, *Max-Planck-Institute for Physics of Complex Systems*, Dresden

2019 – 2021 **Elite-master-program "Theoretical and mathematical physics"**, *LMU Munich*

2016 – 2019 **Bachelor studies of physics**, *Universität Stuttgart*

2008 – 2016 **Abitur (High school diploma)**, *Lise-Meitner-Gymnasium*, Unterhaching

Schools & Workshops

June 2022 **Quantum Connections Summer School**, *Stockholm*

Master thesis

A Variational Method for the Quantum Sherrington Kirkpatrick Model, *Examiner: Ignacio Cirac*, Theory division at Max-Planck-Institute for Quantum Optics, Garching

Bachelor thesis

Heat distributions in correlated spin systems, *Examiner: Eric Lutz*, Institute for theoretical physics 1, Stuttgart

Teaching & Internships

July 2022 **Research Stay**, *Ajoy Lab*, UC Berkeley

Winter 2020 & 2021 **Tutor for theoretical physics 0**, *Faculty of Physics*, LMU Munich

Summer 2019 **Tutor for theoretical physics I (Classical Mechanics)**, *Institute for theoretical physics I*, University of Stuttgart

March 2018 – Sep 2019 **Tutor for "Höhere Mathematik I-III"**, *Institute for Geometry and Topology*, University of Stuttgart

Awards & Scholarships

2019 Scholarship of the German Academic Scholarship Foundation (Studienstiftung)

Computer Skills

Advanced Knowledge	Python, Matlab, Latex
Basic Knowledge	Julia, Linux, Mathematica, Machine Learning (TensorFlow), C++

Preprints

July 2022 **Continuously tracked, stable, large excursion trajectories of dipolar coupled nuclear spins**, *O. Sahin, H. Al Asadi, P. M. Schindler, A. Pillai, E. Sanchez, M Markham, M. Elo, M. McAllister, E. Druga, C. Fleckenstein, M. Bukov, A. Ajoy*, arXiv:2206.14945

April 2022 **A Variational Ansatz for the Ground State of the Quantum Sherrington-Kirkpatrick Model**, *P. M. Schindler, T. Guaita, T. Shi, E. Demler, J. I. Cirac*, arXiv:2204.02923