

Mark H Fischer

Publications

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Books

- 1 “*Machine Learning kompakt*”,
K. Choo, E. Greplova, **M. H. Fischer**, and T. Neupert,
essentials, Springer Spektrum, Wiesbaden DOI:[10.1007/978-3-658-32268-7](https://doi.org/10.1007/978-3-658-32268-7) (2021).

Papers

- 71 G. Wagner, C. Guo, P. J. W. Moll, T. Neupert, and **M. H. Fischer**,
“*Phenomenology of bond and flux orders in kagome metals*”,
Phys. Rev. B **108**, 125136 (2023) ([arXiv:2307.02528](https://arxiv.org/abs/2307.02528))
- 70 I. Plokhikh, C. M. III, H. Nakamura, V. Petricek, Y. Qin, V. Sazgari, J. Küspert, I. Bialo, S. Shin, O. Ivashko, M. Zimmermann, M. Medarde, A. Amato, R. Khasanov, H. Luetkens, **M. H. Fischer**, M. Z. Hasan, J. -X. Yin, T. Neupert, J. Chang, G. Xu, S. Nakatsuji, E. Pomjakushina, D. J. Gawryluk, and Z. Guguchia,
“*Charge order above room-temperature in a prototypical kagome superconductor $La(Ru_{1-x}Fe_x)_3Si_2$* ”,
[arXiv:2309.09255](https://arxiv.org/abs/2309.09255)
- 69 N. Astrakhantsev, G. Wagner, T. Westerhout, T. Neupert, and **M. H. Fischer**,
“*Understanding Symmetry Breaking in Twisted Bilayer Graphene from Cluster Constraints*”,
[arXiv:2308.08590](https://arxiv.org/abs/2308.08590)
- 68 A. L. Szabó, **M. H. Fischer**, and M. Sigrist,
“*Effects of nucleation at a first-order transition between two superconducting phases: Application to $CeRh_2As_2$* ”,
[arXiv:2307.10374](https://arxiv.org/abs/2307.10374)
- 67 M. O. Soldini, N. Astrakhantsev, M. Iraola, A. Tiwari, **M. H. Fischer**, R. Valentí, M. G. Vergniory, G. Wagner, and T. Neupert,
“*Interacting topological quantum chemistry of Mott atomic limits*”,
Phys. Rev. B **107**, 245145 (2023) ([arXiv:2209.10556](https://arxiv.org/abs/2209.10556) 2209.10556)
- 66 C. Guo, M. R. Delft, M. Gutierrez-Amigo, D. Chen, C. Putzke, G. Wagner, **M. H. Fischer**, T. Neupert, I. Errea, M. G. Vergniory, S. Wiedmann, C. Felser, and P. J. W. Moll,
“*Distinct switching of chiral transport in the kagome metals KV_3Sb_5 and CsV_3Sb_5* ”,
[arXiv:2306.00593](https://arxiv.org/abs/2306.00593)
- 65 **M. H. Fischer**, P. A. Lee, and J. Ruhman,
“*A mechanism for pi phase shifts in Little-Parks experiments: application to 2H-TaS₂ intercalated with chiral molecules and to 4Hb-TaS₂*”,
[arXiv:2304.10583](https://arxiv.org/abs/2304.10583)
- 64 C. Guo, G. Wagner, C. Putzke, D. Chen, K. Wang, L. Zhang, M. Gutierrez-Amigo, I. Errea, M. G. Vergniory, C. Felser, **M. H. Fischer**, T. Neupert, and P. J. W. Moll,
“*Correlated order at the tipping point in the kagome metal CsV_3Sb_5* ”,
[arXiv:2304.00972](https://arxiv.org/abs/2304.00972)

- 63 **M. H. Fischer**, M. Sigrist, D. F. Agterberg, and Y. Yanase,
“Superconductivity and Local Inversion-Symmetry Breaking”,
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- 55 M. F. Holst, M. Sigrist, and **M. H. Fischer**,
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- 50 N. Astrakhantsev, T. Westerhout, A. Tiwari, K. Choo, A. Chen, **M. H. Fischer**, G. Carleo, and T. Neupert,
“*Broken-Symmetry Ground States of the Heisenberg Model on the Pyrochlore Lattice*”,
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- 45 P. Suchsland, F. Tacchino, **M. H. Fischer**, T. Neupert, P. KI. Barkoutsos, and I. Tavernelli,
“*Algorithmic Error Mitigation Scheme for Current Quantum Processors*”,
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