

Stanford



Logan Bishop-Van Horn

Ph.D. Student in Physics, admitted Autumn 2017

Bio

EDUCATION AND CERTIFICATIONS

- M.S., Stanford University , Physics (2019)
- B.A., Clark University , Physics & Mathematics (2016)

LINKS

- Personal Website: <https://loganbvh.github.io/>
- GitHub: <https://github.com/loganbvh/>

Publications

PUBLICATIONS

- **Vortex dynamics induced by scanning SQUID susceptometry** *PHYSICAL REVIEW B*
Bishop-Van Horn, L., Mueller, E., Moler, K. A.
2023; 107 (22)
- **pyTDGL: Time-dependent Ginzburg-Landau in Python** *COMPUTER PHYSICS COMMUNICATIONS*
Bishop-Van Horn, L.
2023; 291
- **SuperScreen: An open-source package for simulating the magnetic response of two-dimensional superconducting devices** *COMPUTER PHYSICS COMMUNICATIONS*
Bishop-Van Horn, L., Moler, K. A.
2022; 280
- **Cryogen-free variable temperature scanning SQUID microscope. The Review of scientific instruments**
Bishop-Van Horn, L. n., Cui, Z. n., Kirtley, J. R., Moler, K. A.
2019; 90 (6): 063705
- **Characterization of Two Fast-Turnaround Dry Dilution Refrigerators for Scanning Probe Microscopy** *JOURNAL OF LOW TEMPERATURE PHYSICS*
Barber, M. E., Li, Y., Gibson, J., Yu, J., Jiang, Z., Hu, Y., Ji, Z., Nandi, N., Hoke, J. C., Bishop-Van Horn, L., Arias, G. R., Van Harlingen, D. J., Moler, et al
2024
- **Local imaging of diamagnetism in proximity-coupled niobium nanoisland arrays on gold thin films** *PHYSICAL REVIEW B*
Horn, L., Zhang, I. P., Waite, E. N., Mondragon-Shem, I., Jensen, S., Oh, J., Lippman, T., Durkin, M., Hughes, T. L., Mason, N., Moler, K. A., Sochnikov, I.
2022; 106 (5)
- **Imaging anisotropic vortex dynamics in FeSe** *PHYSICAL REVIEW B*
Zhang, I. P., Palmstrom, J. C., Noad, H., Bishop-Van Horn, L., Iguchi, Y., Cui, Z., Mueller, E., Kirtley, J. R., Fisher, I. R., Moler, K. A.
2019; 100 (2)