

Curriculum Vitae: Erez Berg

Contact Information

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Current Position

2020-Present Full Professor, Department of Condensed Matter Physics,
Weizmann Institute of Science

Education

- 2009–2012 Postdoctoral Training, Department of Physics, Harvard University, USA
Research topics: quantum many-body systems, topological phases of matter
Advisors: Eugene Demler and Subir Sachdev
- 2004–2009 Ph.D., Department of Physics, Stanford University, USA
Research thesis: *Order and fluctuations in the cuprate high- T_c superconductors*
Advisor: Steven Kivelson
- 1998–2003 M.Sc., Physics, Summa cum Laude
Department of Physics, Technion - Israel Institute of Technology
Research thesis: *Singlet Excitations in Pyrochlore: A Study of Quantum Frustration*
Advisor: Assa Auerbach
- 1995–1998 B.A., Physics, Summa cum Laude
Department of Physics, Technion - Israel Institute of Technology

Employment History

- 2018-2020 Associate Professor (with tenure)
Weizmann Institute of Science, Israel
- 2017-2018 Associate Professor (with tenure)
University of Chicago, USA
On leave from WIS; returned Oct. 2018
- 2012-2017 Senior Scientist
Weizmann Institute, Israel
- 2009-2012 Postdoctoral Scholar
Harvard University, USA

Fellowship and Awards

2019	Blavatnik Award for Young Scientists in Israel
2015	Morris L. Levinson Prize in Physics, Weizmann Institute
2013	Minerva Arches Prize, Minerva Foundation
2012	Alon Fellowship, Council of Higher Education, Israel
2009	Postdoctoral Fellowship at Harvard University
2005	Kirkpatrick Award for Excellence in Teaching, Stanford University
1998	Knesset (Israeli Parliament) Award for Outstanding Students
1995 – 1998	Member of the Technion Excellence Program for Undergraduates
1995	Silver Medal, 26th International Physics Olympiad, Canberra, Australia

Research Grants

2019-2022	ISF Quantum Science and Technology grant: “Intermediate Scale Quantum Devices: From Single Qubit to Many-Body Physics” (with I. Arad, Y. Oreg, N. Lindner, and A. Stern)
2020-2023	NSF-BSF grant “Theory of Quantum Materials” (with S. A. Kivelson)
2019-2023	BSF grant “Quantum Critical Metals: from Theoretical Models to Physical Properties” (with A. Chubukov)
2019-2024	ERC consolidator grant “New Horizons in Quantum Matter” (HQMAT)
2020-2024	Member of Transregio CRC183 “Entangled Quantum Matter”

Languages

Hebrew (native speaker), English (fluent), Spanish (basic)