

DANIEL T. LARSON

CURRICULUM VITAE

Physics Department
Harvard University
17 Oxford Street
Cambridge, MA 02138

Phone: 617-496-2678
E-mail: dtlarson@[g.harvard.edu](mailto:dtlarson@harvard.edu)

Education

- May 2005 Ph.D. Physics (theoretical particle physics phenomenology)
University of California, Berkeley
- May 2001 M.A. Physics
University of California, Berkeley
- June 1998 B.A. *magna cum laude* in Physics and Mathematics
Harvard University

Research and Teaching Positions

- May 2016–present Postdoctoral Fellow, Harvard University, Physics Department
- 2007–2016 Full time caregiver for 3 children
- 2006–2007 Preceptor, Harvard University, Chemistry and Physics Departments
- Spring 2006 Lecturer, Harvard University, Division of Engineering and Applied Science
- 2005 Curriculum Development, Harvard University, Academic Programs
- 2005 Teaching Fellow, Harvard University, Physics and Mathematics Departments
- 2002–2004 Graduate Student Research Assistant, Lawrence Berkeley National Lab, Theoretical Physics Group
- Fall 2003 Visitor, School of Natural Sciences, Institute for Advanced Study, Princeton, NJ
- 1999–02, 2004 Graduate Student Instructor, UC Berkeley, Physics Department
- 1998–99 Full Time Research Assistant, Harvard University High Energy Physics Lab, CDF and ATLAS Groups
- Summer 1997 Research Experiences For Undergraduates, The Ohio State University, with Prof. Eric Braaten
- Summer 1996 Research Experiences For Undergraduates, National Radio Astronomy Observatory, with Dr. Eric Schulman
- Summer 1995 Research Experiences For Undergraduates, University of Minnesota, Priscilla Cushman Group
- 1995-99 Teaching Assistant, Harvard University, Mathematics Department

Publications

- [1] “Lithium intercalation in MoS₂ bilayers and implications for moiré flat bands,” Zheyu Lu, Stephen Carr, Daniel T. Larson, Efthimios Kaxiras, [arXiv:2004.00238 \(2020\)](#).
- [2] “Effects of Structural Distortions on the Electronic Structure of T-type Transition Metal Dichalcogenides,” Daniel T. Larson, Wei Chen, Steven B. Torrisi, Jennifer Coulter, Shiang Fang, Efthimios Kaxiras, [arXiv:2003.10473 \(2020\)](#).
- [3] “Electronic structure calculations of twisted multi-layer graphene superlattices,” Georgios A. Tritsarlis, Stephen Carr, Ziyang Zhu, Yiqi Xie, Steven B. Torrisi, Jing Tang, Marios Mattheakis, Daniel Larson, Efthimios Kaxiras, [arXiv:2001.11633 \(2020\)](#).
- [4] “Effects of lithium intercalation in twisted bilayer graphene,” Daniel T. Larson, Stephen Carr, Georgios A. Tritsarlis, Efthimios Kaxiras, [Phys. Rev. B 101, 075407 \(2020\)](#).
- [5] “Consistency between ARPES and STM measurements on SmB₆,” Christian E. Matt, Harris Pirie, Anjan Soumyanarayanan, Yang He, Michael M. Yee, Pengcheng Chen, Yu Liu, Daniel T. Larson, Wendel S. Paz, J.J. Palacios, M.H. Hamidian, Jennifer E. Hoffman, [Phys. Rev. B 101, 085142 \(2020\)](#).
- [6] “Enhancement of interlayer exchange in an ultrathin two-dimensional magnet,” Dahlia R Klein, David MacNeill, Qian Song, Daniel T Larson, Shiang Fang, Mingyu Xu, Raquel A Ribeiro, Paul C Canfield, Efthimios Kaxiras, Riccardo Comin, Pablo Jarillo-Herrero, [Nature Physics, 15\(12\), p.1255-1260 \(2019\)](#).
- [7] “Lithium Intercalation in Graphene–MoS₂ Heterostructures,” Daniel T. Larson, Ioanna Fampiou, Gunn Kim, and Efthimios Kaxiras, [The Journal of Physical Chemistry C, 122\(43\), p.24535-24541 \(2018\)](#).
- [8] “Raman spectrum of CrI₃: An abinitio study,” Daniel T. Larson and Efthimios Kaxiras, [Phys. Rev. B 98, 085406 \(2018\)](#).
- [9] “Heterointerface effects in the electrointercalation of van der Waals heterostructures,” D. Kwabena Bediako, Mehdi Rezaee, Hyobin Yoo, Daniel T. Larson, Shu Yang Frank Zhao, Takashi Taniguchi, Kenji Watanabe, Tina L. Brower-Thomas, Efthimios Kaxiras, Philip Kim, [Nature, 558\(7710\), p.425 \(2018\)](#).
- [10] “Right-handed new physics remains strangely beautiful,” D. T. Larson, H. Murayama and G. Perez, [Journal of High Energy Physics 07 p.057 \(2005\)](#).
- [11] “Probing the Planck scale with proton decay,” R. Harnik, D. T. Larson, H. Murayama and M. Thormeier, [Nucl. Phys. B 706, p.372 \(2005\)](#).
- [12] “The minimal supersymmetric fat Higgs model,” R. Harnik, G. D. Kribs, D. T. Larson and H. Murayama, [Phys. Rev. D 70,015002 \(2004\)](#).
- [13] “Supersymmetric color superconductivity,” R. Harnik, D. T. Larson and H. Murayama, [Journal of High Energy Physics 03 p.049 \(2004\)](#).
- [14] “Atmospheric neutrinos can make beauty strange,” R. Harnik, D. T. Larson, H. Murayama and A. Pierce, [Phys. Rev. D 69, 094024 \(2004\)](#).
- [15] “A Revised Orbital Period for M33 X-7,” Larson, Daniel T. and Eric Schulman, [The Astronomical Journal 113, p.618-623 \(1997\)](#).