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ACADEMIC APPOINTMENTS	Assistant Professor (Sen. Lecturer) Hebrew University of Jerusalem, Jerusalem Israel	2017-present
	Hans Bethe Postdoctoral Associate , Cornell University, Ithaca, NY	2014-2017
	Postdoctoral Researcher , Tel Aviv University, Tel Aviv, Israel	2011-2014
EDUCATION	University of Michigan , Ann Arbor, MI <i>Ph.D., Physics</i> - Advisor: Gordon Kane	2006-2011
	Stony Brook University , Stony Brook, NY <i>Bachelor of Science, Physics and Mathematics, with Honors</i>	2003-2006
	CUNY, Queens College , Queens, NY	2001-2003
HONORS & AWARDS	Hans Bethe Postdoctoral Fellowship	2014
	Tel Aviv University Postdoctoral Matching Fellowship	2012
	NSF String Vacua Project Fellowship	2010
	Phi Beta Kappa Honor Society	2006
	Mathematics Department Award for Excellence	2006
	NSF RTG Fellowship in Mathematical Physics	2005
Sigma Pi Sigma Honor Society	2005	
TEACHING EXPERIENCE	University of Michigan , Ann Arbor, MI <i>Graduate Student Instructor</i>	
	Physics 236: Elementary Laboratory II	2010-2011
	Physics 241: Elementary Laboratory II	2008-2009
	Physics 141: Elementary Laboratory I <i>Grader</i>	2006-2007
	Physics 505: Electricity and Magnetism I <i>Lead Graduate Student Instructor</i>	2008
	Physics 127/141: Elementary Laboratory I	2007-2008
	Stony Brook University , Stony Brook, NY <i>Student Instructor</i>	
Mathematics 103: College Algebra	2004	
INVITED TALKS	<i>Gearing up for LHC13, Galileo Galilei Institute, Florence, October 2015, "The SIMP Miracle."</i>	

New Directions to Shed Light on Dark Matter, Aspen, August 2015, “The SIMP Miracle.”

Princeton University, April 2015, “The SIMP Miracle.”

Boston University, April 2015, “The SIMP Miracle.”

NPKI Workshop, Physics from Run 2 of the LHC, Jeju, September 2014, “Dynamical R-Parity Violation.”

University of Michigan, April 2014, “Dynamical R-Parity Violation.”

Frontiers in Particle Physics: From Dark Matter to the LHC and Beyond, Aspen, January 2014, “Dynamical R-Parity Violation.”

New Particle Physics at the LHC and Its Connection to Dark Matter, Aspen, August 2012, “Interpreting the LHC Higgs Results.”

Implications for TeV Physics, CERN, July 2012, “Interpreting the Higgs.”

CERN Beyond the Standard Model Theory Institute, CERN, June 2012, “Neutrino Anomalies and Sterile Neutrino Phenomenology,”

Weizmann Institute, May 2012, “Global Fits to Neutrino Data in a 3+1+1 Framework.”

Harvard University, May 2012, “Neutrino Anomalies and Sterile Neutrino Phenomenology.”

Harvard University, May 2012, “Neutrino Anomalies and Sterile Neutrino Phenomenology.”

Rutgers University, May 2012, “A 125 GeV Higgs - From Naturalness to Fourth Generation and Beyond.”

New Physics Korean Institute, Seoul, February 2102, “Interpreting LHC Higgs Results from Natural New Physics.”

C. N. Yang Institute for Theoretical Physics, Stony Brook University, January 2012, “Naturalness of the Higgs.”

Enrico Fermi Institute, Chicago University, May 2011, “Moduli, Heavy Scalars, and the Little Hierarchy Problem in String and Supergravity Theories.”

String Vacuum Project, Ohio State University, November 2010, “Moduli Stabilization and Non-Thermal Dark Matter.”

Weizmann Institute, October 2010, “The Largest Scattering Cross Sections in the MSSM.”

String Theory Vacua Project, UC Santa Barbara, KITP, May 2010, “The LSP in M-Theory.”

Phenomenology Symposium, UW Madison, April 2010, “Light WIMPs: the Largest Detection Scattering Cross Sections in the MSSM.”

- PUBLICATIONS
- [1] A. Falkowski, E. Kuflik, N. Levi and T. Volansky, *Light Dark Matter from Leptogenesis*, [1712.07652](#).
 - [2] J. A. Dror, E. Kuflik, B. Melcher and S. Watson, *Concentrated dark matter: Enhanced small-scale structure from codecaying dark matter*, *Phys. Rev. D* **97** (2018) 063524, [[1711.04773](#)].
 - [3] M. Battaglieri et al., *US Cosmic Visions: New Ideas in Dark Matter 2017: Community Report*, [1707.04591](#).
 - [4] S.-M. Choi, Y. Hochberg, E. Kuflik, H. M. Lee, Y. Mambrini, H. Murayama et al., *Vector SIMP dark matter*, *JHEP* **10** (2017) 162, [[1707.01434](#)].
 - [5] E. Kuflik, M. Perelstein, N. R.-L. Lorier and Y.-D. Tsai, *Phenomenology of ELDER Dark Matter*, *JHEP* **08** (2017) 078, [[1706.05381](#)].
 - [6] Y. Hochberg, E. Kuflik and H. Murayama, *Dark spectroscopy at lepton colliders*, *Phys. Rev. D* **97** (2018) 055030, [[1706.05008](#)].
 - [7] C. Csaki, E. Kuflik and S. Lombardo, *Viable Twin Cosmology from Neutrino Mixing*, *Phys. Rev. D* **96** (2017) 055013, [[1703.06884](#)].
 - [8] J. Alexander et al., *Dark Sectors 2016 Workshop: Community Report*, 2016, [1608.08632](#), <http://inspirehep.net/record/1484628/files/arXiv:1608.08632.pdf>.
 - [9] J. A. Dror, E. Kuflik and W. H. Ng, *Codecaying Dark Matter*, *Phys. Rev. Lett.* **117** (2016) 211801, [[1607.03110](#)].
 - [10] Y. Hochberg, E. Kuflik and H. Murayama, *SIMP Spectroscopy*, *JHEP* **05** (2016) 090, [[1512.07917](#)].
 - [11] E. Kuflik, M. Perelstein, N. R.-L. Lorier and Y.-D. Tsai, *Elastically Decoupling Dark Matter*, *Phys. Rev. Lett.* **116** (2016) 221302, [[1512.04545](#)].
 - [12] G. Durieux, Y. Grossman, M. König, E. Kuflik and S. Ray, *Rare Z Decays and Neutrino Flavor Universality*, *Phys. Rev. D* **93** (2016) 093005, [[1512.03071](#)].
 - [13] C. Csaki, E. Kuflik, S. Lombardo and O. Slone, *Searching for displaced Higgs boson decays*, *Phys. Rev. D* **92** (2015) 073008, [[1508.01522](#)].
 - [14] A. Anandakrishnan, J. H. Collins, M. Farina, E. Kuflik and M. Perelstein, *Odd Top Partners at the LHC*, *Phys. Rev. D* **93** (2016) 075009, [[1506.05130](#)].
 - [15] C. Csaki, E. Kuflik, S. Lombardo, O. Slone and T. Volansky, *Phenomenology of a Long-Lived LSP with R-Parity Violation*, *JHEP* **08** (2015) 016, [[1505.00784](#)].
 - [16] C. Csaki, E. Kuflik, O. Slone and T. Volansky, *Models of Dynamical R-Parity Violation*, *JHEP* **06** (2015) 045, [[1502.03096](#)].

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- [17] Y. Hochberg, E. Kuflik, H. Murayama, T. Volansky and J. G. Wacker, *Model for Thermal Relic Dark Matter of Strongly Interacting Massive Particles*, *Phys. Rev. Lett.* **115** (2015) 021301, [1411.3727].
- [18] A. Efrati, E. Kuflik, S. Nussinov, Y. Soreq and T. Volansky, *Constraining the Higgs-Dilaton with LHC and Dark Matter Searches*, *Phys. Rev.* **D91** (2015) 055034, [1410.2225].
- [19] Y. Hochberg, E. Kuflik, T. Volansky and J. G. Wacker, *Mechanism for Thermal Relic Dark Matter of Strongly Interacting Massive Particles*, *Phys. Rev. Lett.* **113** (2014) 171301, [1402.5143].
- [20] C. Csaki, E. Kuflik and T. Volansky, *Dynamical R-Parity Violation*, *Phys. Rev. Lett.* **112** (2014) 131801, [1309.5957].
- [21] R. Essig, E. Kuflik, S. D. McDermott, T. Volansky and K. M. Zurek, *Constraining Light Dark Matter with Diffuse X-Ray and Gamma-Ray Observations*, *JHEP* **11** (2013) 193, [1309.4091].
- [22] R. T. D’Agnolo, E. Kuflik and M. Zanetti, *Fitting the Higgs to Natural SUSY*, *JHEP* **03** (2013) 043, [1212.1165].
- [23] D. Carmi, A. Falkowski, E. Kuflik, T. Volansky and J. Zupan, *Higgs After the Discovery: A Status Report*, *JHEP* **10** (2012) 196, [1207.1718].
- [24] D. Carmi, A. Falkowski, E. Kuflik and T. Volansky, *Interpreting the 125 GeV Higgs*, *Nuovo Cim.* **C035** (2012) 315–322, [1206.4201].
- [25] E. Kuflik, S. D. McDermott and K. M. Zurek, *Neutrino Phenomenology in a 3+1+1 Framework*, *Phys. Rev.* **D86** (2012) 033015, [1205.1791].
- [26] E. Kuflik, Y. Nir and T. Volansky, *Implications of Higgs searches on the four generation standard model*, *Phys. Rev. Lett.* **110** (2013) 091801, [1204.1975].
- [27] D. Carmi, A. Falkowski, E. Kuflik and T. Volansky, *Interpreting LHC Higgs Results from Natural New Physics Perspective*, *JHEP* **07** (2012) 136, [1202.3144].
- [28] G. Kane, E. Kuflik and B. D. Nelson, *Extracting the Wavefunction of the LSP at the LHC*, *Phys. Lett.* **B703** (2011) 151–159, [1105.3742].
- [29] D. Feldman, G. Kane, E. Kuflik and R. Lu, *A new (string motivated) approach to the little hierarchy problem*, *Phys. Lett.* **B704** (2011) 56–61, [1105.3765].
- [30] LHC NEW PHYSICS WORKING GROUP collaboration, D. Alves, *Simplified Models for LHC New Physics Searches*, *J. Phys.* **G39** (2012) 105005, [1105.2838].

- [31] B. S. Acharya, G. Kane, E. Kuflik and R. Lu, *Theory and Phenomenology of μ in M theory*, *JHEP* **05** (2011) 033, [[1102.0556](#)].
- [32] G. L. Kane, E. Kuflik, R. Lu and L.-T. Wang, *Top Channel for Early SUSY Discovery at the LHC*, *Phys. Rev.* **D84** (2011) 095004, [[1101.1963](#)].
- [33] E. Kuflik and J. Marsano, *Comments on Flipped SU(5) (and F-theory)*, *JHEP* **03** (2011) 020, [[1009.2510](#)].
- [34] B. S. Acharya, G. Kane and E. Kuflik, *Bounds on scalar masses in theories of moduli stabilization*, *Int. J. Mod. Phys.* **A29** (2014) 1450073, [[1006.3272](#)].
- [35] T. Cohen, E. Kuflik and K. M. Zurek, *Extracting the Dark Matter Mass from Single Stage Cascade Decays at the LHC*, *JHEP* **11** (2010) 008, [[1003.2204](#)].
- [36] E. Kuflik, A. Pierce and K. M. Zurek, *Light Neutralinos with Large Scattering Cross Sections in the Minimal Supersymmetric Standard Model*, *Phys. Rev.* **D81** (2010) 111701, [[1003.0682](#)].
- [37] B. S. Acharya, P. Grajek, G. L. Kane, E. Kuflik, K. Suruliz and L.-T. Wang, *Identifying Multi-Top Events from Gluino Decay at the LHC*, [0901.3367](#).

SOFTWARE *Working knowledge*
PROFICIENCIES Mathematica, Python, Latex, Excel
Basic knowledge
c++, fortran, HTML/CSS