

CONTACT INFORMATION	Fermilab PO Box 500 MS 209 Batavia, IL 60510-5011	<i>E-mail:</i> adama@fnal.gov <i>Phone:</i> (503)-380-0689
EMPLOYMENT AND EDUCATION	Fermilab , Wilson Fellow	2019-present
	University of Chicago, KICP , Associate Fellow	2015-present
	Fermilab , Lederman Postdoctoral Fellow Advisor: Bradford Benson	2015-2019
	Massachusetts Institute of Technology , Ph.D., Physics Advisor: Enectalí Figueroa-Feliciano	2010-2015
	University of Chicago , A.B., Physics, Mathematics, with honors Advisor: Ed Blucher	2006-2010
AWARDS AND HONORS	DOE Office of Science Graduate Fellowship	2012-2015
	NSF Graduate Research Fellowship , <i>declined</i>	2012-2015
	Presidential Fellowship , MIT	2010-2011
	Lewis Prize , University of Chicago, Dept. of Physics	2010
	Phi Beta Kappa	2010
	Grainger Fellowship , University of Chicago, Dept. of Physics	2009-2010
	College Honor Scholarship , University of Chicago	2006-2010
TEACHING	Seminar XL lead facilitator , MIT	Fall 2011
	College Core Tutor , University of Chicago	September 2008-June 2010
GRAD STUDENTS MENTORED	Andrea Bryant (Chicago): GEM intern at Fermilab	Summer 2017
UNDERGRADUATES MENTORED	Taryn Imamura (Stanford → PhD, Carnegie Mellon): SIST intern at Fermilab	Summer 2018
	Josémanuel Hernandez (Northwestern): SIST intern at Fermilab	Summer 2018
	Cory Cotter (Wisconsin → PhD, Chicago): SULI intern at Fermilab	Summer 2017
	AJ Corso (Chicago → PhD, UPenn): summer research	Summer 2016
	Chandler Schlupf (MIT → PhD, UCLA): UROP research, senior thesis	2012-2014
	Natalia Guerrero (MIT → PhD, Royal Holloway): UROP research	Spring 2012
HIGH-SCHOOL STUDENTS MENTORED	Arielle Pfeil: QuarkNet intern at Fermilab	Summer 2017
	Antony Simonoff: QuarkNet intern at Fermilab	Summer 2017
	Ben Hardin: QuarkNet intern at Fermilab	Summer 2016
	Ryan Thornton: QuarkNet intern at Fermilab	Summer 2016

PUBLIC TALKS	After School Matters: <i>Looking Back in Time: Cosmology from the South Pole</i>	June 2020
	Fermilab Ask-a-Scientist: <i>Looking Back in Time: Cosmology from the South Pole</i>	June 2020
	Fermilab Saturday Morning Physics: <i>Extragalactic Astronomy</i>	April 2020
	Fermilab Saturday Morning Physics: <i>Cosmology</i>	November 2019
	Lifelong Learning Institute: <i>Cosmology and the Early Universe</i>	September 2018
	MIT Kavli Institute IAP Seminar: <i>Hunting Dark Matter</i>	January 2015
	MIT Kavli Institute IAP Seminar: <i>Hunting Dark Matter</i>	January 2014
	MIT Astronomical Event: <i>Dark Matter Searches</i>	October 2012
OUTREACH ACTIVITIES	Co-Director, Saturday Morning Physics, Fermilab	Fall 2019-present
	Volunteer for Ask-a-Scientist, Fermilab	March 2018
	Dark Matter Day Panelist, Dark Matter Coffee	October 2017
	Organizer for Saturday Morning Physics, Fermilab	Fall 2015-Spring 2019
	Career panelist for “High Energy... High Ambition,” Fermilab	April 2017
	Volunteer with Quarknet Radio Telescope, Fermilab	October 2015-August 2016
	Fermilab Family Open House: panelist for “A Day in the Life”	February 2016
CONFERENCES AND TALKS	CPAD Instrumentation Frontier Workshop 2019, invited talk: <i>KIDs for Next-Generation CMB Experiments</i>	December 2019
	Topics in Cosmic Neutrino Physics, plenary talk: <i>Prospects for Neutrino Physics with SPT-3G and Future CMB Experiments</i>	October 2019
	Low-Temperature Detectors 18, poster: <i>Performance of Al-Mn Transition-Edge Sensor Bolometers in SPT-3G</i>	July 2019
	Rencontres de Blois, parallel talk: <i>SPT-3G and Recent Results from the South Pole Telescope</i>	June 2018
	Low-Temperature Detectors 17, plenary talk: <i>SPT3G: A Multichroic Receiver for the South Pole Telescope</i>	July 2017
	8th INFIERI Workshop, plenary talk: <i>SPT3G: A New Receiver for the South Pole Telescope</i>	October 2016
	Fermilab Users Meeting, plenary talk: <i>Cosmology with the South Pole Telescope</i>	June 2016
	International Conference on Particle Physics and Cosmology, parallel talk: <i>Low-Energy Analysis of Data from SuperCDMS Soudan</i>	August 2014
	APS April Meeting, contributed talk: <i>Backgrounds and Discrimination Algorithms for Low-energy SuperCDMS Soudan Data</i>	April 2014
	Rencontres de Moriond, Electroweak, plenary talk: <i>Constraints on Light WIMPs with SuperCDMS</i>	March 2014
	Low-Temperature Detectors 15, poster: <i>Phonon Event Analysis in SuperCDMS iZIP Detectors</i>	June 2013
	APS April Meeting, contributed talk: <i>Underground Performance of SuperCDMS iZIP Detectors</i>	April 2013

Rencontres de Moriond, Electroweak, student talk: *Coherent Neutrino Scattering with Cryogenic Semiconductor Detectors* **March 2012**

Low-Temperature Detectors 14, poster: *Simulations of Phase-Separated Transition-Edge Sensors for SuperCDMS* **August 2011**

APS April Meeting, contributed talk: *Simulations of Transition-Edge Sensors for SuperCDMS* **May 2011**

SEMINARS

SLAC, KIPAC Tea Talk: *SPT-3G: High-Resolution CMB Science at the South Pole* **April 2020**

Fermilab, Particle Astrophysics Seminar: *SPT-3G and Next-Generation CMB Experiments* **April 2019**

University of Toronto, Astro Seminar: *Probing Fundamental Physics with the South Pole Telescope and Beyond* **February 2019**

Princeton University, Gravity Group Seminar: *SPT3G: Deployment and Science of a New Camera for the South Pole Telescope* **April 2017**

University of Michigan, HEP/Astro/Nuclear Seminar: *SPT3G: Fundamental Physics with a New Receiver for the South Pole Telescope* **September 2016**

Yale University, Weak Interactions Discussion Group: *Light WIMPs and Sterile Neutrinos with Cryogenic Detectors* **May 2015**

Lawrence Berkeley National Lab, Research Progress Meeting: *Extending the Reach of SuperCDMS for Dark Matter Searches* **December 2014**

Brookhaven National Lab, Particle Physics Seminar: *Probing Light WIMPs with SuperCDMS* **May 2014**

PROFESSIONAL
SERVICE

Referee for: Journal of Cosmology and Astroparticle Physics, Journal of Low Temperature Physics

Editorial reviewer for: Cambridge University Press