

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	<b>Fermilab</b> Lederman Postdoctoral Fellow	<b>2015-present</b>
EDUCATION	<b>Massachusetts Institute of Technology</b> Ph.D., Physics Advisor: Eneetalí Figueroa-Feliciano	<b>2010-2015</b>
	<b>University of Chicago</b> A.B., Physics, Mathematics, with honors Advisor: Ed Blucher	<b>2006-2010</b>
RESEARCH INTERESTS	cosmology, CMB, dark matter, neutrinos, detectors	
AWARDS AND HONORS	<b>DOE Office of Science Graduate Fellowship</b>	<b>2012-2015</b>
	<b>NSF Graduate Research Fellowship</b> , <i>declined</i>	<b>2012-2015</b>
	<b>Presidential Fellowship</b> , MIT	<b>2010-2011</b>
	<b>Lewis Prize</b> , University of Chicago, Dept. of Physics	<b>2010</b>
	<b>Phi Beta Kappa</b>	<b>2010</b>
	<b>Grainger Fellowship</b> , University of Chicago, Dept. of Physics	<b>2009-2010</b>
	<b>College Honor Scholarship</b> , University of Chicago	<b>2006-2010</b>
TEACHING	<b>Seminar XL lead facilitator</b> , MIT	<b>Fall 2011</b>
	<b>College Core Tutor</b> , University of Chicago	<b>September 2008-June 2010</b>
GRAD STUDENTS MENTORED	Andrea Bryant (Chicago): supervised GEM internship	<b>Summer 2017</b>
UNDERGRADUATES MENTORED	Taryn Imamura (Stanford): supervised SIST internship at Fermilab	<b>Summer 2018</b>
	Josémanuel Hernandez (Northwestern): supervised SIST internship at Fermilab	<b>Summer 2018</b>
	Cory Cotter (Wisconsin → PhD at Chicago): supervised SULI internship at Fermilab	<b>Summer 2017</b>

	AJ Corso (Chicago → PhD at UPenn): supervised research	<b>Summer 2016</b>
	Chandler Schlupf (MIT → PhD at UCLA): supervised research and senior thesis	<b>2012-2014</b>
	Natalia Guerrero (MIT → PhD at University of London): supervised research	<b>Spring 2012</b>
HIGH-SCHOOL STUDENTS MENTORED	Arielle Pfeil: supervised QuarkNet internship	<b>Summer 2017</b>
	Antony Simonoff: supervised QuarkNet internship	<b>Summer 2017</b>
	Ben Hardin: supervised QuarkNet internship	<b>Summer 2016</b>
	Ryan Thornton: supervised QuarkNet internship	<b>Summer 2016</b>
PUBLIC TALKS	MIT Kavli Institute IAP Seminar: <i>Hunting Dark Matter</i>	<b>January 2015</b>
	MIT Kavli Institute IAP Seminar: <i>Hunting Dark Matter</i>	<b>January 2014</b>
	MIT Astronomical Event: <i>Dark Matter Searches</i>	<b>October 2012</b>
OUTREACH ACTIVITIES	Dark Matter Day Panelist, Dark Matter Coffee	<b>October 2017</b>
	Organizer for Fermilab Saturday Morning Physics	<b>April 2017-present</b>
	Career panelist for “High Energy... High Ambition” (Fermilab)	<b>April 2017</b>
	Volunteer with Quarknet Radio Telescope	<b>October 2015-August 2016</b>
	Fermilab Family Open House: panelist for “A Day in the Life”	<b>February 2016</b>
	Tours for Fermilab Saturday Morning Physics	<b>October 2015-present</b>
CONFERENCES AND TALKS	12. Rencontres de Blois, parallel talk: <i>SPT-3G and Recent Results from the South Pole Telescope</i>	<b>June 2018</b>
	11. Low-Temperature Detectors 17, plenary talk: <i>SPT3G: A Multichroic Receiver for the South Pole Telescope</i>	<b>July 2017</b>
	10. 8th INFIERI Workshop, plenary talk: <i>SPT3G: A New Receiver for the South Pole Telescope</i>	<b>October 2016</b>
	9. Fermilab Users Meeting, plenary talk: <i>Cosmology with the South Pole Telescope</i>	<b>June 2016</b>
	8. International Conference on Particle Physics and Cosmology, parallel talk: <i>Low-Energy Analysis of Data from SuperCDMS Soudan</i>	<b>August 2014</b>

7. APS April Meeting, contributed talk: *Backgrounds and Discrimination Algorithms for Low-energy SuperCDMS Soudan Data* **April 2014**
6. Rencontres de Moriond, Electroweak, plenary talk: *Constraints on Light WIMPs with SuperCDMS* **March 2014**
5. Low-Temperature Detectors 15, poster: *Phonon Event Analysis in SuperCDMS iZIP Detectors* **June 2013**
4. APS April Meeting, contributed talk: *Underground Performance of SuperCDMS iZIP Detectors* **April 2013**
3. Rencontres de Moriond, Electroweak, student talk: *Coherent Neutrino Scattering with Cryogenic Semiconductor Detectors* **March 2012**
2. Low-Temperature Detectors 14, poster: *Simulations of Phase-Separated Transition-Edge Sensors for SuperCDMS* **August 2011**
1. APS April Meeting, contributed talk: *Simulations of Transition-Edge Sensors for SuperCDMS* **May 2011**

## SEMINARS

5. Princeton University, Gravity Group Seminar: *SPT3G: Deployment and Science of a New Camera for the South Pole Telescope* **April 2017**
4. University of Michigan, HEP/Astro/Nuclear Seminar: *SPT3G: Fundamental Physics with a New Receiver for the South Pole Telescope* **September 2016**
3. Yale University, Weak Interactions Discussion Group: *Light WIMPs and Sterile Neutrinos with Cryogenic Detectors* **May 2015**
2. Lawrence Berkeley National Lab, Research Progress Meeting: *Extending the Reach of SuperCDMS for Dark Matter Searches* **December 2014**
1. 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