

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>
RESEARCH MENTORING	AJ Corso (Chicago): co-supervised undergraduate research currently undergraduate at University of Chicago	<b>Summer 2016</b>
	Chandler Schlupf (MIT): co-supervised undergraduate research and senior thesis to physics PhD at UCLA	<b>2012-2014</b>
	Natalia Guerrero (MIT): co-supervised undergraduate research to physics PhD at Royal Holloway, University of London	<b>Spring 2012</b>

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- PUBLIC TALKS
3. MIT Kavli Institute IAP Seminar: *Hunting Dark Matter* **January 2015**
  2. MIT Kavli Institute IAP Seminar: *Hunting Dark Matter* **January 2014**
  1. MIT Astronomical Event: *Dark Matter Searches* **October 2012**
- OUTREACH  
ACTIVITIES
3. Volunteer with Quarknet Radio Telescope **October 2015-present**  
Recent press: *Marmion Students Participate in QuarkNet Radio Telescope Project*, Chicago Tribune, 21 October 2015
  2. Fermilab Family Open House: panelist for “A Day in the Life” **February 2016**
  1. Tours for Saturday Morning Physics **October 2015-present**
- CONFERENCES  
AND TALKS
10. 8th INFIERI Workshop, plenary talk: *SPT3G: A New Receiver for the South Pole Telescope* **October 2016**
  9. Fermilab Users Meeting, plenary talk: *Cosmology with the South Pole Telescope* **June 2016**
  8. International Conference on Particle Physics and Cosmology, parallel talk: *Low-Energy Analysis of Data from SuperCDMS Soudan* **August 2014**
  7. APS April Meeting, contributed talk: *Backgrounds and Discrimination Algorithms for Low-energy SuperCDMS Soudan Data* **April 2014**
  6. 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. 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
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