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Interests	Neutrino Physics, Imaging Dete	ectors, Deep Learning	5
Education	Yale University Ph.D., Physics, 2017. Dissertation: "First Detection of Low Argon Time Projection Chambers" Advisors: Professor Bonnie Fleming M.Phil., Physics, 2014. M.S., Physics, 2014.	w Energy Electron Neut , Professor Ornella Pala	rinos in Liquid umara
	University of Rochester B.S., Physics, Highest Honors, 2011. B.S., Mathematics, High Honors, 201	11.	
Computing	Languages: C++, C, Python Tools: Bash, PyQt, OpenGL, Pan GNU Make, Latex	das, Tensorflow, Nump	y, Linux/Unix,
Research Experience	Postdoctoral Fellow Harvard University, with Prof. Roxa Search for electron like low energy e Deep Learning techniquies for TPCs	nne Guenette excess in MicroBooNE,	2017 - present development of
	Graduate Research Assisant Yale University, with Prof. Bonnie F Dissertation research on electron new development and proposal of the SBI	Teming and Prof. Ornell utrinos in ArgoNeuT and N Program.	2012 - 2016 la Palamara <i>l MicroBooNE</i> ,
	Undergraduate Research Assista University of California, Los Angeles Study of magnetic flux ropes with las	ant s, with Prof. Walter Gek ser induced fluorescence.	2010 Telman
	Undergraduate Research Assista University of Rochester, with Prof. J Undergraduate research on quantum	ant John Howell <i>optics.</i>	2009 - 2010
	Undergraduate Research Assista University of Washington, with Prof. Undergraduate research on quantum	ant . Boris Blinov computing.	2010

Dr. Corey Adams

Awards and Fellowships	Royal Society - CNR International Fellowship (declined) U.K. Royal Society, 2016
	Neutrino Physics Center Scholar Fermilab, 2016
	University Research Association Visiting Scholar Fellowship Fermilab, 2015
	Excellence in Undergraduate Teaching Award University of Rochester, 2011
	Bausch and Lomb Scholarship for Excellence in Science University of Rochester, 2007
Selected Publications	"First Detection of Low Energy Electron Neutrinos in a Liquid Argon Time Projection Chamber" ArgoNeuT Collaboration, Phys. Rev. D 95, 072005 (2017)
	"Noise Characterization and Filtering in the MicroBooNE Liquid Argon TPC" MicroBooNE Collaboration, JINST 12, P08003 (2017)
	"Design and Construction of the MicroBooNE Detector" MicroBooNE Collaboration, JINST 12, P02017 (2017)
	"Convolutional Neural Networks Applied to Neutrino Events in a Liquid Argon Time Projection Chamber" MicroBooNE Collaboration, JINST 12, P03011 (2017)
	"Measurement of muon neutrino and anti-muon neutrino Neutral Current $\pi^0 \rightarrow \gamma \gamma$ Production in the ArgoNeuT Detector" ArgoNeuT Collaboration, Phys. Rev. D 96, 012006 (2017)
	"The detection of back-to-back proton pairs in Charged-Current neutrino interactions with the ArgoNeuT detector in the NuMI low energy beam line" ArgoNeuT Collaboration, Phys. Rev. D 90, 012008 (2014)
	"First Measurement of Neutrino and Antineutrino Coherent Charged Pion Production on Argon" ArgoNeuT Collaboration, Phys. Rev. Lett. 113, 261801 (2014)
	"Measurements of Inclusive Muon Neutrino and Antineutrino Charged Current Differential Cross Sections on Argon in the NuMI Antineutrino Beam" ArgoNeuT Collaboration, Phys. Rev. D 89, 112003 (2014)

Seminars Fermilab Joint Experimental and Theoretical Seminar "MicroBooNE: First Data and Results"

Batavia, IL, 2017

New Perspectives

"SBND: Neutrino Interactions at Fermilab's Short Baseline Near Detector" Batavia, IL, 2016

Pitt PAC - SBN

"Systematic Uncertainties in the Short Baseline Neutrino Program" Pittsburgh, PA, 2016

NuINT (Workshop on Neutrino Nucleus Interactions)

"Fermilab Short Baseline Neutrino Program: SBND" Osaka, Japan, 2015

Weak Interactions Discussion Seminar

"Probing Neutrino Anomalies at Fermilab's Booster Neutrino Beam" New Haven, CT, 2014

Short Baseline Neutrino Program Meeting

"Short Baseline Neutrino Program: Beam Backgrounds and Uncertainties" Batavia, IL, 2014

Teaching	Physics Department, Yale University
Experience	Physics of Music, Teaching Assistant, 2012
	Science and Public Policy, Teaching Assistant, 2012
	<i>Electrodynamics</i> , Teaching Assistant, 2013
	Research Methods in Astrophysics, Teaching Assistant, 2013
	Graduate Particle Physics, Teaching Assistant, 2015
	Physics Department, University of Rochester
	Quantum Theory, Teaching Assistant, 2011
	Head Tutor, Society of Physics Undergraduate Tutoring, 2009 - 2010
Outreach	Yale Physics Olympics - coordinated and ran competitive events for high school students, 2011 - 2015
	Yale Science Diplomats - public lecture on dark matter at the New Haven public library, 2013
	New Haven Public Science Fair Judge, 2013