

## David M. Green

---

CONTACT INFORMATION	Department of Physics University of Maryland College Park College Park, MD 20740	240-472-9766 damgreen@umd.edu
RESEARCH INTERESTS	Gamma-ray Astrophysics, High Energy Particle Physics, Detector Physics, Cosmic-Ray Propagation, Cosmic-Ray Origins	
EDUCATION	<b>University of Maryland College Park</b> , College Park, MD  Ph.D., Physics <ul style="list-style-type: none"><li>• Thesis Topic: <i>Cosmic-Ray Nuclei in the Fermi-LAT</i></li><li>• Advisors: Elizabeth Hays, Ph.D and Kara Hoffman, Ph.D</li></ul> M.S., Physics, Oct 2012 <ul style="list-style-type: none"><li>• Topic: <i>Measuring Charge of Cosmic-Ray Nuclei in the Fermi-LAT</i></li><li>• Advisor: Elizabeth Hays, Ph.D and Kara Hoffman, Ph.D</li></ul> <b>Indiana University Bloomington</b> , Bloomington, IN  B.S., Physics and B.S., Astronomy, May 2008 <ul style="list-style-type: none"><li>• <i>With Honors</i></li></ul>	
RESEARCH EXPERIENCE	<b>Research Assistant</b> Department of Physics University of Maryland College Park Supervisor: Elizabeth Hays, Ph.D  <b>REU Participant - IU Astronomy Department</b> Department of Astronomy Photometric study of NGC 7789 Indiana University Bloomington Supervisor: Constantine Deliyannis, Ph.D  <b>Research Assistant</b> Department of Physics Short Range Gravity Experiment Indiana University Bloomington Supervisor: Josh Long, Ph.D	Feburary 2010 – Present  May 2007 to Aug 2007  Jan 2006 to Dec 2007
PUBLICATIONS	<ol style="list-style-type: none"><li>1. <b>David M. Green</b>, E. A. Hays, T. J. Brandt. (2014) <i>Cosmic-Ray Nuclei in the Fermi-LAT ACD</i>. Poster Presented at 223rd American Astronomical Society, Washington DC.</li><li>2. <b>David M. Green</b>, E. A. Hays, T. J. Brandt. (2012) <i>Heavy Cosmic-Rays in the Fermi-LAT</i>. Poster Presented at 4th Fermi Symposium, Monterey, CA.</li><li>3. <b>David M. Green</b>, C. P. Deliyannis, J. Hughto, A. Simmons, A. Sarajedini, I. Platais. (2008) <i>UBVRI CCD Photometry of Open Cluster NGC 7789</i>. Poster Presented at 211th American Astronomical Society, Austin, Texas.</li></ol>	
AWARDS	Student Awards — Indiana University Department of Astronomy <ul style="list-style-type: none"><li>• McCreery Award</li></ul> Student Awards — Indiana University Department of Physics <ul style="list-style-type: none"><li>• Gabriel Benman Memorial Award</li><li>• IU Factually Award</li></ul>	Aug 2007 Apr 2007 Aug 2003

PRESENTATIONS	University of Maryland College Park • CRESST Retreat: Cosmic-Ray Nuclei in the Fermi LAT	Nov 2013
TEACHING EXPERIENCE	PHYS 271 - General Physics (Laboratory) Instructor: Arthur La Porta, Ph.D Department of Physics University of Maryland College Park PHYS 260 - General Physics (Discussion) Instructor: Wendell T. Hill, III, Ph.D Department of Physics University of Maryland College Park Q201 - Physics for Elementary Education Majors (Laboratory) Instructor: Catherine Olmer, Ph.D Department of Physics Indiana University Bloomington P201 - General Physics I (Discussion) Instructor: Harold Ogren, Ph.D Department of Physics Indiana University Bloomington	Jan 2009 - May 2009    Aug 2008 - Dec 2008   Aug 2006 - May 2007   Aug 2005 - May 2006
SERVICE	<a href="#">GRAD MAP</a> • Improve the diversity of Physics and Astronomy graduate students • Build ties and interactions with Mid-Atlantic Historically Black Colleges and Universities through seminars and workshops <a href="#">GSFC Python Boot Camp 2013</a> • Bring students from zero to analyzing data with Python in three days • Assist students with question of python	July 2013 – Present    June 2013
REFERENCES	Elizabeth A. Hays Deputy Project Scientist for the Fermi Gamma-ray Space Telescope Astroparticle Physics Laboratory NASA Goddard Space Flight Center  Theresa J. Brandt Astroparticle Physics Laboratory NASA Goddard Space Flight Center  Kara Hoffman Associate Professor Department of Physics University of Maryland College Park	E-mail: elizabeth.a.hays@nasa.gov Phone: 301-286-0345  E-mail: theresa.j.brandt@nasa.gov Phone: 301-286-4430  E-mail: kara@icecube.umd.edu Phone: 301-405-7263
HARDWARE AND SOFTWARE SKILLS	Computer Programming: • C, C++, Python, ROOT, UNIX shell scripting, GNU, Mathematica, MATLAB, and others	