

## CURRICULUM VITAE

### JORDAN A. GOODMAN

#### A. Training:

Undergraduate: Physics, University of Maryland, B.S. - 1973  
Graduate: Physics, University of Maryland, M.S., - 1975  
Physics, University of Maryland, Ph.D. – 1978  
Post-doc Cosmic Ray Physics, U of Md/Goddard 1978-1980

#### B. Appointments:

1990 - present Professor of Physics, Univ. of Maryland  
1999 – 2006 Chair, Department of Physics, Univ. of Maryland  
1985 - 1990 Associate Professor, Univ. of Maryland  
1980 - 1985 Assistant Professor, Univ. of Maryland

#### C. Recent Research Publications:

1. *An absence of neutrinos associated with cosmic-ray acceleration in gamma-ray bursts* (R. Abbasi et al.) Nature 484, 351–354 (19 April 2012) doi:10.1038/nature11068
2. *Constraints on the emission model of the “Naked-Eye Burst” GRB 080319B* by The Milagro Collaboration A. Abdo et al. 2012 ApJ 753 L31 doi:10.1088/2041-8205/753/2/L31
3. *Spectrum and Morphology of the Two Brightest Milagro Sources in the Cygnus Region: MGRO J2019+37 and MGRO J2031+41* by The Milagro Collaboration A. Abdo et al. ApJ 753 159 doi:10.1088/0004-637X/753/2/159
4. *On the sensitivity of the HAWC observatory to gamma-ray bursts* by the HAWC Collaboration (Abeysekara et al.), Astroparticle Physics 35, Issue 10, May 2012, 641-650 DOI: 10.1016/j.astropartphys.2012.02.001
5. *Observation and Spectral Measurements of the Crab Nebula with Milagro* (by The Milagro Collaboration A. Abdo et al. 2012 ApJ 750 63 doi:10.1088/0004-637X/750/1/63
6. *Milagro Observations of TeV Emission from Galactic Sources in the Fermi Bright Source List* by The Milagro Collaboration A. Abdo et al. Ap. J. Letters Apr 2009 700:L127-L131,(2009)
7. *An absence of neutrinos associated with cosmic-ray acceleration in gamma-ray bursts* By IceCube Collaboration (R. Abbasi et al.). Nature 484, 351–354 (19 April 2012) doi:10.1038/nature11068
8. *Measurement of the atmospheric neutrino energy spectrum from 100 GeV to 400 TeV with IceCube.* By IceCube Collaboration (R. Abbasi et al.). Phys.Rev. D83 (2011) 012001.
9. *Search for Dark Matter from the Galactic Halo with the IceCube Neutrino Observatory.* By IceCube Collaboration (R. Abbasi et al.). Phys.Rev. D84 (2011) 022004.
10. *Observation of Anisotropy in the Arrival Directions of Galactic Cosmic Rays at Multiple Angular Scales with IceCube.* By IceCube Collaboration (R. Abbasi et al.). Astrophys.J. 740 (2011) 16

**D. Synergistic Activities:**

Principal Investigator for HAWC Gamma Ray Observatory 2008- present  
US-Spokesperson for HAWC Gamma Ray Observatory 2008-2010  
Co-Spokesperson/PI for Milagro Gamma Ray Observatory 1992 -present  
IceCube Collaboration – Km<sup>3</sup> Neutrino Observatory at the South Pole 2003-present  
Super-Kamiokande Neutrino Experiment - Kamioka, Japan 1994-2004  
Spokesperson/PI for CYGNUS Gamma-Ray Experiment at LANL 1985-1994  
Fermilab Experiment E710 - Measurement of p p elastic scattering and total cross section

**E. Honors and Awards**

CMNS Creative Educator Award 2013  
University of Maryland President's Medal 2009  
Fellow of the American Physical Society 1997  
Fellowship American Association for the Advancement of Science 2009  
Malmstrom Lecture – Hamline University 2010  
Founding Fellow Joint Space Institute (UM) 2010  
Atlantic Coast Conference Teaching Scholar 2009  
Faculty Excellence in Teaching Award Lecture - CTE 2009  
CMPS Distinguish Alumni Award 2008  
Kirwan Prize for Undergraduate Education 2004  
Fellowship UM Academy of Excellence in Teaching and Learning 2002-present  
Richtmyer Lecture Prize– American Physical Society 2001  
USM Regents Award for Excellence in Teaching 2000  
UMCP Distinguished Scholar-Teacher Award 1999-2000  
University of Maryland Presidential Award for Outstanding Service to the Schools 1994

F. Courses Developed at Maryland  
Physics 174 – Introduction to Laboratory Science for Physics Majors  
Physics 105 – Physics for Decision Makers: The Global Energy Crisis  
Honors 378N – Research Seminar for the NSA

**F. Collaborators**

The Milagro Collaboration  
The HAWC collaboration  
The IceCube Collaboration

**G. Graduate Advisors and Postdoctoral Sponsors**

Gaurang Yodh U.C. Irvine – Thesis and Post-doc advisor