

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. *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
2. *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
3. *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
4. *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
5. *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)
6. 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
7. 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.
8. First search for atmospheric and extraterrestrial neutrino-induced cascades with the IceCube detector. By IceCube Collaboration (R. Abbasi et al.). Phys.Rev. D84 (2011) 072001.
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 – Km³ 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

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

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