

## CURRICULUM VITAE

NAME: Neil Gehrels

CITIZENSHIP: United States

DATE OF BIRTH: October 3, 1952

PRESENT POSITION: Chief, Astroparticle Physics Laboratory, NASA/GSFC  
College Park Professor of Astronomy, U. Maryland  
Adjunct Professor of Astronomy & Astrophysics, Penn State

RESEARCH AREAS: Gamma-Ray Astronomy  
High Energy Astrophysics  
Instrument Development

EDUCATION: 1982 Ph.D. Physics, Caltech  
1976 B.S. (Honors) Physics, University of Arizona  
1976 B.M. Music, University of Arizona

PREVIOUS POSITIONS: 1995 Visiting Professor of Astronomy, U. Maryland  
1981-83 NAS/NRC Research Associate, GSFC  
1977-81 Graduate Research Assistant, Caltech  
1976-77 Graduate Fellow, Caltech  
1974 Summer Research Assistant, Max Planck Inst.  
1973-76 Undergraduate Research Assistant, U. Arizona

HONORS AND AWARDS: 2012, Alumnus of the Year, Honors College, University of Arizona  
2012, Harrie Massey Award, COSPAR  
2011, Rossi Prize, AAS, P. Michelson, W. Attwood & Fermi team  
2011, election to International Academy of Astronautics  
2010, election to National Academy of Sciences  
2009, Maria & Eric Muhlmann Award, Astron Soc Pacific, Swift Team  
2009, George W. Goddard Award, SPIE society  
2009, Henry Draper Medal, National Academy of Sciences  
2008, election to American Academy of Arts and Sciences  
2007, Bruno Rossi Prize, American Astron Society, with Swift Team  
2006, Popular Science, Best of What's New Award, Swift Team  
2005, NASA Exceptional Scientific Achievement Medal  
2005, GSFC John C. Lindsay Award  
2000, Randolph Lovelace Award, American Astronautical Society  
1993, Fellow, American Physical Society  
1993, NASA Outstanding Leadership Medal  
1992, Discover Magazine Award for Technological Innovation  
1976, Caltech Graduate Fellowship  
1975, Phi Beta Kappa

- LECTURESHIPS:** 2012, Marker Lecture, Penn State U., Mar 21-22  
 2009, Marlar Lecture, Rice University, Apr 7-8  
 2009, George Darwin Lecture, Royal Astronomical Society, Oct 9
- PROJECTS:** Project Scientist, WFIRST / JDEM, 2008 -  
 Deputy Project Scientist, Fermi, 2000 -  
 Mission Scientist, INTEGRAL, 1995-  
 Project Scientist, CGRO, 1991-2001
- PRINCIPAL INVESTIGATOR:** Swift Gamma Ray Burst MIDEX 1998-  
 CdZnTe Detector Development, NASA SR&T, 1992-96, 1996-99  
 Burst and All Sky Imaging Survey (BASIS), SMEX proposal, 1997
- CO-INVESTIGATOR:** LIGO Scientific Collaboration  
 LAT instrument on Fermi  
 INFOCUS balloon payload  
 WIND Transient Gamma-Ray Spectrometer (TGRS)  
 Gamma Ray Imaging Spectrometer (GRIS)  
 Galileo Heavy Ion Counter (HIC)
- COMMITTEES AND OFFICES:** Member, US National Committee of the IAU, 2012-  
 Member, Committee on Astronomy and Public Policy, AAS, 2011-  
 Chair, Commission E, COSPAR, 2006-2012  
 Chair, Division of Astrophysics, APS 2007-2008  
 Member, Science & Technology Committee, LANL & LLNL, 2010-  
 Member, Max Planck (MPE) Science Board, 2006 -  
 Member, LIGO Program Advisory Committee, 2005 - 2009  
 Member, VERITAS External Scientific Advisory Com., 2005 -  
 Member, Los Alamos Sensors External Review Com., 2008  
 Member, Naval Research Lab Focus Area Review Com., 2008  
 External Scientific Advisor, CESR Scientific Council, 2003  
 Member, CEA DAPNIA Scientific Review Committee, 2001, 2004  
 Secretary/Treas., Division of Astrophysics, APS, 1998-2001  
 Member, NASA, Structure & Evolution of Universe, 1995-2001  
 Chair, High Energy Astrophysics Division, AAS, 1996-97  
 Co-Chair, Gamma Ray Astronomy Program Working Group, 1995-  
 Secretary/Treas., High Energy Astrophysics Division, AAS, 1991-93  
 Member, NASA High Energy Astrophysics Management Operations  
 Working Group, 1991-1994
- PROFESSIONAL SOCIETY MEMBERSHIPS:** American Astronomical Society  
 International Astronomical Union  
 American Physical Society  
 Astronomical Society of the Pacific  
 American Geophysical Union

## BOOKS:

8. 2011 Gamma-Ray Bursts 2010, ed. J. E. McEnery, J. L. Racusin, and N. Gehrels, AIP Conf. Proc. 1358 (AIP, New York)
7. 2009 Gamma-Ray Bursts; 6th Huntsville Symposium, ed. C. Meegan, N. Gehrels, and C. Kouveliotou, AIP Conf Proc. 1133 (AIP, New York)
6. 2006 Gamma-Ray Bursts in the Swift Era, ed. S. S. Holt, N. Gehrels, and J. A. Nousek, AIP Conf. Proc. 836 (AIP, New York)
5. 2001 Gamma 2001, ed. S. M. Ritz, N. Gehrels and C. R. Shrader, AIP Conf. Proc. 587 (AIP, New York).
4. 1994 Second Compton Symposium, ed. C. E. Fichtel, N. Gehrels, and J. Norris, AIP Conf. Proc. 304 (AIP, New York).
3. 1993 Compton Gamma-Ray Observatory, ed. M. Friedlander, N. Gehrels and D. Macomb, AIP Conf. Proc. 280 (AIP, New York).
2. 1991 Compton Observatory Science Workshop, ed. C. R. Shrader, N. Gehrels and B. Dennis, NASA Conference Publication 3137.
1. 1988 Nuclear Spectroscopy of Astrophysical Sources, ed. N. Gehrels and G. H. Share, AIP Conf. Proc. 170 (AIP, New York).

## INVITED TALKS:

- 197. 2012 "The Future of GRB Missions", KITP Rattle & Shine conf., July 30
- 196. 2012 "GRB Opportunities with Swift and Beyond", Liverpool GRB conf., June 18
- 195. 2012 "High Redshift GRBs", First Stars IV, Kyoto, May 24
- 194. 2012 "Gamma Ray Bursts and Black Holes", National Air & Space Museum, May 16
- 193. 2012 "High Energy Transients", Royal Society, London, Apr 24
- 192. 2012 "GRBs and the Birth of Black Holes", Marker Lecture., Penn State, Mar 21
- 191. 2012 "WFIRST Project Science Activities", Wide Field IR Science, Caltech, Feb 15
- 190. 2011 "Gamma Ray Bursts", Goddard retirees, GSFC, Nov 8
- 189. 2011 "Connecting LIGO to Astronomy", Gravitational Wave conf., Livingston, LA, Oct 27
- 188. 2011 "Technology Needs for Astrophysics", IAC conference, Cape Town, Oct 5
- 187. 2011 "Time Domain Astronomy", IAU 285 Time Domain Astronomy, Oxford, Sept 19
- 186. 2011 "GRBs and the Birth of Black Holes", Astronomy Colloquium, U. Arizona, Sept 13
- 185. 2011 "Discoveries by Fermi", Asian-Pacific IAU Regional Meeting, Thailand, July 27
- 184. 2011 "Time Domain Science - Gamma Rays", Wide Field Surveys Workshop, STScI, June 14
- 183. 2011 "Gamma Ray Bursts", ISSI Acceleration Workshop, Bern, May 16
- 182. 2011 "Review of Space Gamma-Ray Detectors", KIAA conference, Beijing, Apr 12
- 181. 2011 "NASA's WFIRST Mission", ASU seminar, Mar 3
- 180. 2011 "GRBs and the Birth of Black Holes" Library of Congress, Feb 16
- 179. 2010 "Recent GRB Results from Swift", Astrophysics of NSs & BHs, Bremen, July 16
- 178. 2010 "GRBs in the Swift Era", Exploring the Extreme Universe, U. Leicester, July 7
- 177. 2010 "Update on Swift GRBs", Cosmic Chemical Evolution Wkshp, St Michaels, June 3
- 176. 2010 "GRBs in the Swift Era", International summer school, Cargese, France, May 17

175. 2010 "Gamma Ray Bursts and the Birth of BHs", colloquium, Ohio State U., May 13
174. 2010 "Recent GRB Results from Swift", GRB conference, Kyoto, Apr 19
173. 2010 "Gamma Ray Bursts", HEDLA conference, Caltech, Mar 15
172. 2010 "Gamma Ray Bursts and BH Birth", Indian Institute of Astronomy, Feb 11
171. 2010 "Fermi Gamma Ray Bursts", GeV to TeV Connection, Ringberg Castle, Jan 12
170. 2009 "GRBs and the Birth of Black Holes", US Naval Observatory, Dec 18
169. 2009 "GRBs: Recent Observational Results", Relativistic Outflows Conf., Buenos Aires, Oct 30
168. 2009 "GRB Discoveries with Swift", Physics Colloquium, U. Wisconsin Madison, Oct 16
167. 2009 "GRBs and Birth of Black Holes" George Darwin Lecture, RAS, London, Oct 9
166. 2009 "Swift GRB Discoveries", Nonlinear Processes AP Plasmas, KITB, Santa Barbara, Sept 29
165. 2009 "Rapporteur: Status & Prospects of GRB Astronomy", GRB Conf., Venice, Sept 18
164. 2009 "How Swift has Revolutionized GRB Astrophysics", Fenimore Fest, Los Alamos, Sept 4
163. 2009 "Results from Fermi", Stellar Death & Supernovae, KITP UC Santa Barbara, Aug 19
162. 2009 "GRB Discoveries with Swift", Windows on Universe conference, Blois, France Jun 21
161. 2009 "Gamma Ray Bursts", Fujihara Seminar, Tokyo, May 27
160. 2009 "GRB Discoveries with Swift", Physics & Astronomy Seminar, Rice U., Apr 8
159. 2009 "GRBs and the Birth of Black Holes" Pittsburgh Conference, Mar 11
158. 2009 "GRBs and Sky Surveys", ACKS Seminar, SLAC, Feb 19
157. 2009 "GRB Discoveries with Swift", Astrophysics Seminar, McGill U., Feb 10
156. 2008 "Hard X-ray Sky Surveys", Simbol-X Symposium, Paris, Dec 2
155. 2008 "Black Holes", Public Lecture, Huntsville Space Museum, Oct 20
154. 2008 "History of Gamma-Ray Telescopes", ESTEC Symposium, ESTEC, Oct 1
153. 2008 "Sky Surveys & TeV Counterparts", COSPAR E12 Symp., Montreal, July 17

152. 2008 "GRB Science", NNPSS Seminar Series, George Washington U., June 16
151. 2008 "Non-GRB Sources Observed by Swift", MAXI workshop, RIKEN, June 12
150. 2008 "GRB Discoveries with Swift", Physics Colloquium, Ohio U., May 30
149. 2008 "GRBs and the Birth of Black Holes", Public Lecture, Smithsonian, May 1
148. 2008 "GRB Discoveries with Swift", Physics Colloquium, Columbia U., Feb 25
147. 2008 "The Chase To Capture Gamma Ray Bursts", AAAS conference, Feb 16
146. 2008 "Gamma Ray Burst Discoveries with Swift", AAS Rossi Prize lecture, Jan 10
145. 2007 "Short GRBs and Gravitational Waves", MIT Gravitational Wave Conf., Dec 13
144. 2007 "GRB Discoveries with Swift", Physics Colloquium, Brown U., Dec 3
143. 2007 "Future of Gamma Ray Astronomy, Kavli Stanford/SLAC, Nov 9
142. 2007 "Status and Future of Swift", Santa Fe GRB conference, Santa Fe, Nov 5
141. 2007 "GRB Discoveries with Swift", Physics Colloquium, Iowa State U., Oct 29
140. 2007 "Recent Progress in GRB Astrophysics", High Energy Physics Seminar, UMd, Oct 14
139. 2007 "Swift: Understanding GRBs", Villa Olmo conference, Como, Italy, Oct 8
138. 2007 "GRBs and the Birth of Black Holes", UC Dublin evening lecture popular, Sep 25
137. 2007 "GRB Discoveries with Swift", Relativistic Outflows conference, Dublin, Ireland, Sept 24
136. 2007 "GRB Discoveries with Swift", Compact Objects conference, Huangshan, China, July 2
135. 2007 "Very High Energy Emission from GRBs", TeV Future Workshop, Chicago, May 13
134. 2007 "GRB Discoveries with Swift", Institut d'Astrophysique de Paris, May 11
133. 2007 "GRB Discoveries with Swift", Max Planck (MPE) seminar, May 9
132. 2007 "Opportunities for Future Progress with Swift", Swift Future Conf., PSU, May 1
131. 2007 "Short GRB observations with Swift", Ringberg Castle Conf., Munich, Mar 26
130. 2007 "Swift Observations of GRBs and Supernovae", Aspen SN Conf., Feb. 22

129. 2007 "High Energy Gamma Rays from GRBs", GLAST Symp., Stanford, Feb. 7
128. 2006 "Gamma Ray Bursts", Texas Symposium plenary, Melbourne, Dec 11
127. 2006 "GRB Discoveries with Swift", Physics Colloquium, Penn State, Nov. 30
126. 2006 "GRB Discoveries with Swift", National Capital Astron., College Park, Nov 11
125. 2006 "Gamma Ray Bursts", Astronomy Colloquium, U. Maryland, Sept 27
124. 2006 "Space Observations of GRBs", Royal Society Conference, London, Sept 18
123. 2006 "Gamma Ray Burst Discoveries with Swift", COSPAR plenary lecture, July 18
122. 2006 "Recent Results from Swift", INTEGRAL Symposium, Moscow, July 6
121. 2006 "The Global Approach to Swift GRB Science", Swift Symposium, Venice, June 5
120. 2006 "Discoveries with Swift", Spectrum Astro Mission & Technology Lecture Series, May 31
119. 2006 "Gamma-Ray Detectors for H.E. Astrophysics", Space Radiations Wkshp, U. Mich, May 23
118. 2006 "Short GRBs", Massive Star Symposium, STScI, May 10
- |          |                 |                          |         |
|----------|-----------------|--------------------------|---------|
| 115-117. | "Swift Results" | UMd Cosmic Ray Seminar   | Mar. 6  |
|          |                 | NRAO Colloquium          | Mar. 9  |
|          |                 | Princeton IAS Colloquium | Mar. 28 |
114. 2006 "GRB Discoveries with Swift", APS, Apr. 25
113. 2006 "Gamma Ray Bursts", RAS National Astronomy Meeting, Leicester, Apr. 5
112. 2006 "Gamma-Ray Astronomy", Energy Budget in HE Universe, Tokyo, Feb. 23
111. 2006 "Gamma Ray Bursts", Ed Stone 70th Birthday Symposium, Caltech, Feb. 10
110. 2006 "Gamma Ray Bursts", Benjamin Dean lecture series, San Francisco, Feb. 6
109. 2006 "Results from Swift", KITP GRB & SN workshop, Santa Barbara, Jan. 26
108. 2006 "GRB Discoveries by Swift", AAS, Jan 10
107. 2005 "GRBs in the Swift Era", Washington conference, Nov. 30

106. 2005 "GRB Discoveries with Swift", Einstein Legacy, Munich, Nov. 10
- 100-105. "Swift Results" U. Michigan Oct. 12  
 U. New Hampshire Oct. 17  
 MIT Oct. 25  
 U. Heidelberg Nov. 8  
 Washington University Dec. 5  
 Hanford LIGO Dec. 13
100. 2005 "GRB Discoveries by the Swift Mission, Munich joint colloq., Oct. 6
99. 2005 "Early Results from Swift", X-Ray Universe, Madrid, Sept. 27
98. 2005 "First Results from Swift", Santorini GRB conference, Sept. 1
97. 2005 "GRBs and Swift Findings", GSFC Colloquium, May 20
- 93-96. "Swift Results" Caltech May 5  
 UCSC May 6  
 Harvard SAO May 12  
 Stanford/SLAC May 16
92. 2005 "First Gamma Ray Burst Observations with Swift", APS, Tampa, Apr. 17
91. 2005 "The Swift Gamma Ray Burst Mission", AAS, San Diego, Jan. 12
90. 2004 "GRB Astrophysics" U. Penn Colloquium, Feb. 11
89. 2003 "Swift - A GRB MIDEX", Santa Fe, Sept. 11
88. 2003 "Swift - A Gamma Ray Burst Explorer", APS, Philadelphia, Apr. 7
87. 2002 "Gamma Ray Burst Discoveries and Swift", U. Maryland Astron. Colloquium, Oct. 2
86. 2002 "Real-Time Gamma Ray Observations with Swift", AAS Albuquerque, June 3
85. 2002 "The Swift GRB Mission", Harvard Sackler Symposium on GRBs, May 20
84. 2002 "GRB Astronomy: The Afterglow Revolution", Leicester U. Phys. Colloquium, Mar. 14
83. 2001 "The Next Generation of Gamma Ray Telescopes in Space", APS, Washington, Apr. 30
82. 2000 "Unidentified High Energy Gamma Ray Sources", Puebla, Mexico Workshop, Oct. 9
81. 2000 "Missions Related to INTEGRAL", 4th INTEGRAL Symp., Alicante, Spain, Sept. 8



80. 2000 "GeV Gamma Ray Astronomy in the GLAST Era", Heidelberg Symposium, June 26
79. 2000 "CGRO Re-entry Narration", NASA TV, June 4
78. 2000 "The Unidentified High Energy Gamma Ray Sources", GSFC LHEA Seminar, May 30
77. 2000 "Missions Related to INTEGRAL", INTEGRAL school, Les Diablerets, Mar. 29
76. 2000 "From AGILE to GLAST", AGILE Workshop, Milan, Mar. 14
75. 2000 "The Swift Gamma Ray Burst Mission", GSFC LASP Seminar, Feb. 10
74. 2000 "Recent Discoveries in Gamma Ray Astronomy", AAPT Convention, Orlando, Jan. 17
73. 1999 "Recent Discoveries in GRB Astrophysics", U. Maryland, Physics Colloq., Dec. 7
72. 1999 "Swift - A Panchromatic GRB MIDEX Mission", 5th Huntsville Symp., Oct. 21
71. 1999 "Gamma Ray Bursts: The Future", UMd October Conf., Oct. 12
70. 1999 "Future Prospects for NASA's  $\gamma$ -Ray Astronomy Program", 5th Compton Symp., Sept. 16
69. 1999 "Cosmic Catastrophes", Delphasus Lecture, UCSC, April 22
68. 1999 "The Swift Gamma Ray Burst MIDEX", HEAD meeting, Charleston, April 12
67. 1998 "Stellar Cataclysms", Smithsonian Frontiers in Astronomy lecture, Washington, Oct. 28
66. 1998 "GLAST, The Next Generation Gamma Ray Mission", VERITAS Wkshp, Boston, Oct. 24
65. 1998 "Recent Discoveries in Gamma Ray Burst Astronomy", UMd October Conf., Oct. 14
64. 1997 "Recent Discoveries in Gamma Ray Bursts", Penn State University, Dec. 12
63. 1997 "Gamma Ray Bursts", 8th October Astrophys. Conf., after-dinner speach, Oct. 14
62. 1997 "Status of the Compton Observatory", 4th Compton Symp, Williamsburg, Apr. 28
61. 1997 "The High Energy Sky", Violent Universe public workshop, Williamsburg, Apr. 26
60. 1997 "Gamma-Ray Transients", All-Sky Monitor meeting, Tokyo, Mar. 3
59. 1997 "Gamma-Ray Astronomy: Promise for the Future", STAIF, Albuquerque, Jan. 28
58. 1996 "Gamma-Ray Lines - GRO", Wrkshp Low-Med. Gamma Rays, Lansdowne, Nov. 15

57. 1996 "The Gamma Ray Sky", Discover Goddard, GSFC Visitor's Center, Oct. 27
56. 1996 "The GRAPWG Report", Workshop on Hi-E Gamma-ray Telescope, GSFC, Sept. 4
55. 1996 "Gamma Ray Sky Surveys", IAU Colloquium 179 Baltimore, August 27
54. 1996 "The INTEGRAL Mission", SPIE meeting Denver, Aug 6
53. 1996 "Burst ArcSecond Imaging & Spectroscopy Mission", SPIE meeting, Denver, Aug 5
52. 1996 "Recent Results from the Compton Observatory", ISDC, Geneva Observatory, May 24
51. 1996 "Burst ArcSecond Imaging & Spectroscopy Mission", HEAD meeting, San Diego, May 1
50. 1996 "Recent Results from the Compton Observatory", ASCA Symp. Tokyo, March 14
49. 1995 "The Gamma Ray Obs.: TDRS and GRTS to the Rescue", TDRSS Symposium, Dec. 5
48. 1995 "Gamma-Ray Bursts", UMd - Goddard Interaction Day, November 17
47. 1995 "Gamma-Ray Observations of AGN", Goddard LHEA Seminar, September 26
46. 1995 "Recent Results from the Compton GRO", UMd, Astronomy Colloquium, September 20
45. 1995 "Gamma-Ray Observations of AGN", ITP Workshop, Santa Barbara, August 21
44. 1995 "Supernovae, Quasars and Bursts: The Violent Gamma Ray Sky, Universe '95, June 24
43. 1995 "Status of the Compton Gamma Ray Observatory", 3rd Compton Symp. Munich, June 11
42. 1995 "Highlights from CGRO", Frascati Workshop, May 22
41. 1994 "Hard X-ray & Gamma-Ray Imaging with Solid State Detectors", Capri, September 29
40. 1994 "The History of Gamma Ray Astronomy", Les Houches, January 25
36. 1994 "GRO Results"                   AAS, Washington                   Jan. 12  
   Rice University, Houston           Feb. 17  
   Lunar & Planetary Inst., Houston   Feb. 18  
   ASCA Symposium, Tokyo           Mar. 9
35. 1993 "Supernovae, Quasars and Bursts", Cosmos Club, December 16
34. 1993 "The Cosmic Diffuse Gamma-Ray Background", STScI Meeting for Giacconi, May 18
33. 1993 "The New Gamma Ray Sky", APS, April 15

32. 1993 "Gamma Rays from Active Galactic Nuclei: GRO Surprises", AAS, January 6
29. 1993 "GRO Results"
 

INTEGRAL Workshop, Les Diablerets	Feb. 2
Argonne National Laboratory, Chicago	Feb. 12
U. Virginia	Nov. 23
28. 1992 "GRO and the Gamma Ray Sky", TRW, Discover Award presentation, December 18
27. 1992 "The Gamma Ray Sky", Smithsonian Astronomy Series, Ripley Center, November 14
26. 1992 "Background Suppression Techniques for Germanium Detectors", ESTEC Detector Symposium, Nov. 10
25. 1992 "The Compton Observatory in Perspective", Compton Symp., St. Louis, Oct. 15
24. 1992 "Gamma-Ray Lines from Astrophysical Sources", COSPAR, Washington, Sept. 4
23. 1992 "Mysteries of the Gamma Ray Sky Revealed: The Compton Observatory's First Year", Goddard Employee Colloquium, April 7
22. 1992 "Present Status of the Compton Observatory" & "Observations of Positron Annihilation Sources in the Galactic Center", Toulouse Symposium, March 17
15. 1992 "GRO First Results"
 

Center for Astrophysics	Jan. 9
Columbia University Physics	Jan. 14
Goddard Scientific Colloquium	Feb. 21
Einstein Planetarium, Air & Space Museum	Apr. 1
APS Washington meeting	Apr. 22
Canadian Astronomical Society, Halifax	June 28
Indiana University Physics	Nov. 4
8. 1991 "GRO First Results",
 

UCSD Astrophysics	Nov. 5
Berkeley Physics	Nov. 6
Lawrence Livermore National Lab	Nov. 8
University of Maryland Physics	Nov. 19
MIT Astrophysics	Dec. 3
Penn State Astrophysics	Dec. 5
Space Telescope Science Institute	Dec. 11
7. 1991 "The Gamma-Ray Observatory", ICRC, Dublin, Ireland, August 16.
6. 1990 "Observations of the Galactic Center 511 keV Line", Saclay Symposium, Dec. 10.
5. 1990 "High Resolution Gamma-Ray Astronomy", COSPAR, July 3.

4. 1990 "The Galactic Center", Astrophysics from the Moon, Annapolis, MD, February 6.
3. 1990 "Black Holes and Positron Mysteries at the Galactic Center", Goddard Colloquium, Jan. 26.
2. 1989 "Trends in Gamma-Ray Spectroscopy", High Energy Astrophysics in 21st Century, Dec. 12.
1. 1988 "Studying Explosive Nucleosynthesis with Gamma-Ray Line Spectroscopy", Astrophysics with GRASP Workshop, Meudon, France, May 31.

## ARTICLES IN PROPULAR JOURNALS:

6. 2008 "Swift Gamma Ray Bursts and Other Explosions", J. Osborne, N. Gehrels & J. Nousek, *Space Research Today*, 172, p. 17.
5. 2008 "GLAST Goes for Blast-Off", J. McEnery, S. Ritz, & N. Gehrels, *Physics World*, May 2008 issue, p. 31.
4. 2002 "The Brightest Explosions in the Universe", N. Gehrels, L. Piro and P Leonard, *Sci. Am.*, 287, No. 6, (Dec. 2002), p. 84.
3. 1999 "Revisiting the Black Hole", R. Blandford and N. Gehrels, *Physics Today*, June 1999 issue, p. 40.
2. 1998 "The New Gamma Ray Astronomy", N. Gehrels and J. Paul, *Physics Today*, February 1998 issue, p. 26.
1. 1993 "The Compton Gamma Ray Observatory", N. Gehrels, C. E. Fichtel, G. J. Fishman, J. D. Kurfess and V. Schönfelder, *Sci Am*, December, 68.

## PUBLICATIONS IN REFEREED JOURNALS:

469. 2012 "High Energy Transients", N. Gehrels & J. Cannizzo, *Phil. Trans. R. Soc.*, in press
468. 2012 "The Fermi LAT On-Orbit: Event Classification, Instrument Response Function, and Calibration", M. Ackermann, et al., *ApJ*, submitted
467. 2012 "X-ray emission from supernovae in dense circumstellar matter: The search for collisionless shocks", E. Ofek, et al., *ApJ*, submitted.
466. 2012 "Identifying the Location in the Host Galaxy of Short GRB 111117A with Chandra Sub-arcsecond Imaging", T. Sakamoto, et al., *ApJ*, submitted.
465. 2012 "Swift Follow-up of Candidate Gravitational Wave Transient Events", P.A. Evans, et al., *ApJ*, submitted.
464. 2012 "A Jet Break in the X-ray Light Curve of Short GRB 111020A: Implication for the Energetics and Rates", W. Fong, et al., *ApJ*, submitted
463. 2012 "Periodic Emission from the Gamma-ray Binary 1FGL J1018.6-5856", M. Ackermann, et al., *ApJ*, submitted.

462. 2012 "A Broad-Band Study of GRB 091127: A Sub-Energetic Event at Higher Redshift?", E. Troja, et al., ApJ, submitted.
461. 2012 "SDSS J102623.61+254259.5: the second most distant blazar at  $z=5.3$ ", T. Sbarrato, et al., MNRAS, accepted
460. 2012 "GRB 110721A: An Extreme Peak Energy and Signatures of Photosphere", M. Axelsson et al., ApJ, accepted.
459. 2012 "A Bright Ultraluminous X-ray Source in NGC 5907", A. D. Sutton, et al., MNRAS, accepted.
458. 2011 "Constraining Dark Matter Models from a Combined Analysis of Milky Way Satellites with Fermi-LAT", M. Ackermann, et al., ApJ, submitted.
457. 2012 "Simultaneous Planck, Swift, and Fermi observations of X-ray and Gamma Ray Selected Blazars", P. Giommi, et al., A&A, 541, 160.
456. 2012 "Search for Gravitational Waves Associated with GRBs During LIGO Science Run 6 and Virgo Science Runs 2 and 3", J. Abadie, et al., ApJ, accepted.
455. 2012 "The 60-month All-Sky BAT AGN Survey and the Anisotropy of Nearby AGN", M. Ajello, et al., ApJ, in press
454. 2012 "Constraining the High Energy Emission from GRBs with Fermi", M. Ackermann, et al., ApJ, accepted.
453. 2012 "Broadband Spectral Investigations of SGR J1550-5418 Bursts", L. Lin, et al., ApJ, 756, 54.
452. 2012 "Chandra X-ray Observations of the Two Brightest Unidentified High Galactic Latitude Fermi LAT Gamma-Ray Sources", C. C. Cheung, et al., ApJ, 756, 33.
451. 2012 "IGR J12319-0749: Evidence for Another Extreme Blazar Found with INTEGRAL", L. Bassani, et al., A&A, 543, 1.
450. 2012 "Future of Space Astronomy: A Global Road Map for the Next Decades", P. Ubertini, et al., Advances Space Research, 50, 1.
449. 2012 "Implementing and Testing of the First Prompt Search for Electromagnetic Counterparts of GW Transients", J. Abadie, et al. LIGO, A&A, 539, 124..
448. 2012 "BL Lac Objects Around Redshift 1.3 - UV to NIR Photometry and Photometric Redshifts for Fermi/LAT Blazars", A. Rau, et al., A&A, 538, 26.

447. 2012 "Swift/XRT Monitoring of the Candidate Supergiant Fast X-ray Transient IGR J16418-4532", P. Romano, et al., MNRAS, 419, 2695.
446. 2012 "The Lag-Luminosity Relation in the GRB Source-Frame: An Investigation with Swift BAT Bursts", T. N. Ukwatta, et al., MNRAS, 419, 614.
445. 2012 "A new low magnetic field magnetar: the 2011 outburst of Swift J1822.3-1606", N. Rea, et al., ApJ, 754, 27.
444. 2012 "The structure and emission model of the relativistic jet in the quasar 3C 279 inferred from radio to high-energy gamma-ray observations in 2008-201", M. Hayashida, et al., ApJ, 754, 114.
443. 2012 "A Statistical Approach to Recognizing Source Classes for Unassociated Sources in the 1st LAT Catalog", M. Ackermann, et al., ApJ, 753, 83.
442. 2012 "Investigating the Slim Disk Solutions for HLX-1 in ESO 243-49", O. Godet, et al., ApJ, 752, 34.
441. 2012 "Inverse Compton X-ray Emission from Supernovae with Compact Progenitors: Application to SN 2001fe", R. Margutti, et al., ApJ, 751, 134
440. 2012 "Multiwavelength Observations of Blazar AO 0235+164 in the 2008-2009 Flaring State", M. Ackermann, et al., ApJ, 751, 159.
439. 2012 "Panchromatic Observations of the Textbook GRB 110205A: Constraining Physical Mechanisms of Prompt Emission and Afterglow", W. Zheng, et al., ApJ, 751, 90.
438. 2012 "Gamma Ray Bursts", N. Gehrels & P. Meszaros, Science, 337, 932.
437. 2012 "SGR J1550-5418 Bursts Detected with the Fermi GBM During Its Most Prolific Activity", A. J. van der Horst, ApJ, 749, 122.
436. 2012 "Unusual Central Engine Activity in the Double Burst GRB 110709B", B.-B. Zhang, et al., ApJ, 748, 132.
435. 2012 "Early Radio and X-ray Observations of the Youngest Nearby Type Ia Supernova PTF11kly (SN 2011fe)", A. Horesh, et al., ApJ, 746, 21.
434. 2012 "Search for Gamma Ray Emission from X-ray Selected Seyferts with Fermi-LAT", M. Ackermann, et al., ApJ, 747, 104
433. 2011 "Fermi Detection of a Luminous gamma-ray pulsar in a globular cluster", P.C.C. Freire, et al., Science, 334, 110

432. 2011 "Simultaneous Multi-Wavelength Campaign on PKS 2005-489 in a High State", A. Abramowski, et al., *A&A*, 533, 110.
431. 2011 "Burst and Persistent Emission Properties during the Recent Active Episode of the Anomalous X-ray Pulsar 1E 1941-045", L. Lin, et al., *ApJL*, 740, 16.
430. 2011 "The In-Flight Measurement of the Absolute Energy Scale of the Fermi LAT", M. Ackermann, et al., *Astroparticle Phys.*, 35, 346.
429. 2011 "Constraining Dark Matter Models from a Combination Analysis of Milky Way Satellites with the Fermi LAT", M. Ackermann, et al., *Phys Rev Lett*, 107, 241302.
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