

CURRICULUM VITAE - Alicia Margarita Soderberg

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I. POSITIONS:

- 2010-*present*: ASSOCIATE PROFESSOR, Harvard University, Astronomy Department
2007-2010: HUBBLE POSTDOCTORAL FELLOW, Princeton University & Smithsonian Astrophysical Observatory
2004-2007: NASA GRADUATE STUDENT RESEARCH FELLOW, Caltech
2000-2004: NSF GRADUATE RESEARCH FELLOW, U. of Cambridge & Caltech
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II. EDUCATION:

- 2007: CALIFORNIA INSTITUTE OF TECHNOLOGY, Ph.D. Astrophysics
Advisor: Prof. Shrinivas R. Kulkarni
"The Many Facets of Cosmic Explosions"
- 2001: UNIVERSITY OF CAMBRIDGE, CHURCHILL COLLEGE, M.Sc. Applied Mathematics
Part III of the Mathematical Tripos
- 2000: BATES COLLEGE, B.S. Magna Cum Laude with Honors, Physics & Mathematics
Advisor: Prof. Eric Wollman
"The Efficiency Rate of Type Ia Supernovae Searches"
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III. RESEARCH INTERESTS:

Prompt discovery and rapid response studies of supernovae in the radio, mm-, X-ray and optical bands
Stellar evolution, Automation of small telescopes

IV. HONORS AND AWARDS:

- 2013: INTERNATIONAL UNION OF PURE AND APPLIED PHYSICS YOUNG SCIENTIST PRIZE
2012: ALFRED P. SLOAN FELLOW
2011: PACKARD FOUNDATION FELLOW
2010: ADVANCE AWARD (NSF and U. of Arizona; to *"increase the participation and Advancement of Women in Academic Science and Engineering Careers"*)
2009: ANNIE JUMP CANNON PRIZE (American Astronomical Society; for *"outstanding research and promise for future research"*)
2009: KAVLI FELLOW (National Academy of Sciences, *Chinese-American Frontiers of Science*)
2008: DOROTHY KILLAM PRIZE (McGill International Award; to *"recognize women of influence in science and the humanities"*)
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V. PROFESSIONAL SERVICES TO THE SCIENTIFIC COMMUNITY:

- 2011-*present*: MEMBER, Editorial Board for NATURE SCIENTIFIC REPORTS
2011-*present*: MEMBER, Gemini Science Committee
2011: MEMBER, NSF Review Panel
2010-*present*: MEMBER, Panel to Advise on Science and EVLA Operations (PASEO)
2010-*present*: MEMBER, Virtual Astronomy Observatory Science Council
2010-2012: MEMBER: NRAO Jansky Fellowship Committee
2009-2012: EXECUTIVE COMMITTEE MEMBER, American Physical Society (*Astrophysics Division*)
2008-2012: MEMBER: Fermi Users Group Committee
2008-2010: CHAIR: EXIST "Transients Science Working Group" (*NASA Mission Concept Study, PI Grindlay*)

2008-2010: MEMBER: NASA Peer Review Panels (*HST, Chandra, Swift*)
2006-present: MEMBER: NASA Swift satellite Science Team
2003-present: MANUSCRIPT REFEREE: NATURE, APJ, NEW ASTRONOMY, A&A, MNRAS)
1997-present: MEMBER: American Astronomical Society, American Physical Society

VI. PUBLICATIONS:

As of October 2014: H-index of 51 Total Citations = 9011

FIRST AUTHOR of **19** Refereed Publications (NATURE, APJ, PASP, MNRAS)

CO-AUTHOR on **128** Additional Refereed Publications

VII. RECENT COLLOQUIA, REVIEW TALKS, CONFERENCE SOCS: INVITED COLLOQUIA: *Harvard, MIT, IAS, Munich (Joint Astrophysics Colloquium), UVa, Caltech, UC Berkeley, NRAO (Charlottesville & Socorro), Los Alamos National Lab, U. of Maryland, Dartmouth, Heidelberg (Joint Astrophysics Colloquium), NASA/Goddard, U. of Toronto, U. Colorado/Boulder, Steward Observatory, U. of Leiden, MPE, BU, Stanford, LANL*

SELECTED CONFERENCE SCIENTIFIC ORGANIZING COMMITTEES:

2013: SOC MEMBER: Cosmology in the Era of GMT
2013: SOC MEMBER: Radio Astronomy in the LSST Era (Charlottesville)
2012: SOC CO-CHAIR: Aspen Summer Workshop: Supernovae and Massive Stars
2012: SOC CO-CHAIR: 2012 Sackler Conference (Harvard)
2012: SOC MEMBER: ESO/MPA/MPE Workshop on Supernovae (Munich, Germany)
2011: SOC MEMBER: JWST Frontier Science Opportunities (Grand Teton, Wyoming)
2011: SOC MEMBER: Supernovae and their Host Galaxies (Sydney, Australia)
2009: SOC CHAIR: Cosmic Explosions: Honoring the Contributions of Roger Chevalier (Pasadena, CA)
2009: SOC CO-CHAIR: Marcel Grossmann Conference (UNESCO Headquarters, Paris)
2009: SOC CO-CHAIR: Texas Symposium on Relativistic Astrophysics (Vancouver)

VIII. RECENT MEDIA & OUTREACH:

TELEVISION/RADIO INTERVIEWS:

2013: NPR: THE "SOUND OF SUPERNOVAE"
2010: DISCOVERY CHANNEL
2008: NOVA "400 Years of the Telescope"
2007: HISTORY CHANNEL "Mega Disasters" TV Series

LIVE RADIO INTERVIEWS:

2006-2008: NPR *Science Friday, Talk of the Nation, All Things Considered*
2006-2008: BBC (*multiple programs*)

SOLICITED POPULAR PRESS ARTICLES:

Jun 2013: SKY & TELESCOPE "Cosmic Ingredients for a Gamma-ray Burst"
Nov 2008: SKY & TELESCOPE "X-rays mark the spot: the birth of a supernova" (*cover article*)

SELECTED PRESS RELEASES & COVERAGE:

Mar 2012: HARVARD/CFA "Explosive Stars with Good Table Manners"
Jan 2010: NRAO "Astronomers find rare beast by new means"
Jan 2009: ASTRONOMY MAGAZINE named my research "*Top Discovery of 2008*"
Four first author NATURE articles covered internationally.
OPRAH MAGAZINE (Nov 2008) "*How discovery can change your life*"

IX. RESEARCH GRANTS:

As of Oct 2014: \$1,307,000 with PI Soderberg not including Start-up package

PUBLICATION LIST - Alicia Margarita Soderberg

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FIRST AUTHOR REFEREED PUBLICATIONS:

19. **Soderberg, A. M.**, *et al.* 2012, APJ, 752, 78
Panchromatic Observations of SN2011dh Point to a Compact Progenitor Star
18. **Soderberg, A. M.**, *et al.* 2010, APJ, 725, 922
Radio and X-ray Observations of the Type Ibc SN2007gr Reveal an Ordinary, Non-relativistic Explosion
17. **Soderberg, A. M.**, *et al.*, 2010, NATURE, 463, 513
A relativistic type Ibc supernova without a detected gamma-ray burst
16. **Soderberg, A. M.**, *et al.*, 2009, The National Academies, Astro2010 White Paper, (arXiv:0902.3674)
The Dynamic X-ray Sky of the Local Universe
15. **Soderberg, A. M.**, *et al.*, 2008, NATURE, 453, 469
An Extremely Luminous X-ray Outburst at the Birth of a Supernova
14. **Soderberg, A. M.**, *et al.*, 2006, APJ, 661, 982
A Spectacular Radio Flare from XRF 050416a at 40 days and Implications for the Nature of X-ray Flashes
13. **Soderberg, A. M.**, *et al.*, 2006, NATURE, 442, 1014
Relativistic ejecta from XRF 060218 and the rate of cosmic explosions
12. **Soderberg, A. M.**, *et al.*, 2006, APJ, 651, 1005
The Radio and X-ray Luminous SN 2003bg and the Circumstellar Density Variations Around Radio Supernovae
11. **Soderberg, A. M.**, *et al.*, 2006, APJ, 650, 261
The Afterglow, Energetics and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a
10. **Soderberg, A. M.**, *et al.*, 2006, APJ, 638, 930
Late-Time Radio Observations of 68 Type Ibc Supernovae: Strong Constraints on Off-Axis Gamma-Ray Bursts
9. **Soderberg, A. M.**, *et al.*, 2006, APJ, 636, 391
An HST Study of the Supernovae Accompanying GRB 040924 and GRB 041006
8. **Soderberg, A. M.**, *et al.*, 2005, APJ, 627, 877
An HST Search for Supernovae Accompanying X-Ray Flashes
7. **Soderberg, A. M.**, *et al.*, 2005, APJ, 621, 908
The Radio and X-Ray-Luminous Type Ibc Supernova 2003L
6. **Soderberg, A. M.**, *et al.*, 2004, NATURE, 430, 648
The sub-energetic γ -ray burst GRB 031203 as a cosmic analogue to the nearby GRB 980425
5. **Soderberg, A. M.**, Frail, D. A. & Wieringa, M. H., 2004, APJL, 607, L13
Constraints on Off-Axis Gamma-Ray Burst Jets in Type Ibc Supernovae from Late-Time Radio Observations
4. **Soderberg, A. M.**, *et al.*, 2004, APJ, 606, 994
A Redshift Determination for XRF 020903: First Spectroscopic Observations of an X-Ray Flash
3. **Soderberg, A. M.** & Ramirez-Ruiz, E., 2003, MNRAS, 345, 854
Flaring up: radio diagnostics of the kinematic, hydrodynamic, and environmental properties of gamma-ray bursts
2. **Soderberg, A. M.** & Ramirez-Ruiz, E., 2002, MNRAS, 330, L24
Was GRB 990123 a unique optical flash?

1. **Soderberg, A. M.**, *et al.*, 1999, PASP, 111, 1233
Radial Velocities of Giant Stars in Globular Clusters

CO-AUTHOR REFEREED PUBLICATIONS:

128. Margutti, R., **Soderberg, A. M.**, *et al.*, 2014, APJ, (submitted)
Dust in the Wind: The Role of Recent Mass Loss in Long Gamma-Ray Bursts
127. Drout, M. R., Chornock, R., **Soderberg, A. M.**, *et al.*, 2014, APJ, 794, 23.
Rapidly Evolving and Luminous Transients from Pan-STARRS1
126. Sternberg, A., *et al.*, 2014, MNRAS, 443, 1849.
Multi-epoch high-spectral-resolution observations of neutral sodium in 14 Type Ia supernovae
125. Milisavljevic, D., Margutti, R., Parrent, J., **Soderberg, A. M.**, *et al.*, 2014, APJ, (submitted: arXiv1408.1606)
The Broad-Lined Type Ic SN 2012ap and the Nature of Relativistic Supernovae Lacking a Gamma-ray Burst Detection
124. Margutti, R., Parrent, J., Kamble, A., **Soderberg, A. M.**, *et al.*, 2014, APJ, 790, 52.
No X-Rays from the Very Nearby Type Ia SN 2014J: Constraints on Its Environment
123. Dittmann, J. A., **Soderberg, A. M.**, *et al.*, 2014, APJ, 788, 38.
A Mid-life Crisis? Sudden Changes in Radio and X-Ray Emission from Supernova 1970G
122. Lunnan, R., *et al.*, 2014, APJ, 787, 138.
Hydrogen-poor Superluminous Supernovae and Long-duration Gamma-Ray Bursts Have Similar Host Galaxies
121. Bietenholz, M., *et al.*, 2014, MNRAS, 440, 821.
Radio limits on off-axis GRB afterglows and VLBI observations of SN 2003gk
120. Alexander, K., **Soderberg, A. M.**, Chomiuk, L., 2014, APJ, (submitted: arXiv1405.0228)
A New Model for the Radio Emission from SN 1994I and an Associated Search for Radio Transients in M51
119. Bufano, F., *et al.*, 2014, MNRAS, 439, 1807.
SN 2011hs: a fast and faint Type IIb supernova from a supergiant progenitor
118. Sanders, N. E., Betancourt, M., **Soderberg, A. M.**, 2014, APJ, (submitted: arXiv:1404.3619)
Unsupervised Transient Light Curve Analysis Via Hierarchical Bayesian Inference
117. Sanders, N. E., **Soderberg, A. M.**, *et al.*, 2014, APJ, (submitted: arXiv1404.2004)
Towards Characterization of the Type IIP Supernova Progenitor Population: a Statistical Sample of Light Curves from Pan-STARRS1
116. Margutti, R., Milisavljevic, D. **Soderberg, A. M.**, 2014, APJ, (accepted: arXiv1402.6344)
Central engines die young in relativistic supernovae: the case of SN2012ap
115. Chakraborti, S., **Soderberg, A. M.**, *et al.*, 2014, APJ, (submitted: arXiv1402.6336)
A Missing-Link in the Supernova-GRB Connection: The Case of SN 2012ap
114. Milisavljevic, D., Margutti, R., Crabtree, K. N., Foster, J. B., **Soderberg, A. M.**, *et al.*, 2014, APJ, 782, 5.
Interaction between the Broad-lined Type Ic Supernova 2012ap and Carriers of Diffuse Interstellar Bands
113. Marion, G. H., *et al.*, 2014, APJ, 781, 69.
Type IIb Supernova SN 2011dh: Spectra and Photometry from the Ultraviolet to the Near-infrared
112. Kamble, A., **Soderberg, A. M.**, *et al.*, 2014, arXiv1401.1221
Radio Supernovae in the Local Universe
111. Chornock, R., *et al.*, 2014, APJ, 780, 44.
The Ultraviolet-bright, Slowly Declining Transient PS1-11af as a Partial Tidal Disruption Event

110. Margutti, R., Milisavljevic, D., **Soderberg, A. M.**, *et al.*, 2013, APJ, 780, 21.
A Panchromatic View of the Restless SN 2009ip Reveals the Explosive Ejection of a Massive Star Envelope
109. Fransson, C., *et al.*, 2013, APJ, (submitted: arXiv1312.6617)
High Density Circumstellar Interaction in the Luminous Type II_n SN 2010jl: The first 1100 days
108. Phillips, M., *et al.*, 2013, APJ, 779, 38.
On the Source of the Dust Extinction in Type Ia Supernovae and the Discovery of Anomalously Strong Na I Absorption
107. Berger, E., *et al.*, 2013, APJ, 779, 18.
A Search for Fast Optical Transients in the Pan-STARRS1 Medium-Deep Survey: M-Dwarf Flares, Asteroids, Limits on Extragalactic Rates, and Implications for LSST
106. Margutti, R., **Soderberg, A. M.**, *et al.*, 2013, APJ, 778, 18.
The Signature of the Central Engine in the Weakest Relativistic Explosions: GRB 100316D
105. Nicholl, M., *et al.*, 2013, NATURE, 502, 346.
Slowly fading super-luminous supernovae that are not pair-instability explosions
104. Andersson, N., *et al.*, 2013, CQGRAVITY, 30, 19.
The transient gravitational-wave sky
103. Rest, A., *et al.*, 2013, APJ, (submitted: arXiv1310.3828)
Cosmological Constraints from Measurements of Type Ia Supernovae discovered during the first 1.5 years of the Pan-STARRS1 Survey
102. Scolnic, D., *et al.*, 2013, APJ, (submitted: arXiv1310.3824)
Systematic Uncertainties Associated with the Cosmological Analysis of the First Pan-STARRS1 Type Ia Supernova Sample
101. Laskar, T., *et al.*, 2013, APJ, 776, 119.
A Reverse Shock in GRB 130427A
100. Kamble, A., **Soderberg, A. M.**, *et al.*, 2013, APJ, (submitted: arXiv:1309.3573)
A Wolf in Sheepskin: Extraordinary Supernova 2012au Veiled Behind Ordinary Radio Emission
99. Drout, M. R., **Soderberg, A. M.**, *et al.*, 2013, APJ 774, 58.
The Fast and Furious Decay of the Peculiar Type Ic Supernova 2005ek
98. Martin, J., *et al.*, 2013, AJ, (accepted)
A Closer Look at the Fluctuations in Brightness of SN 2009ip During Its Late 2012 Eruption
97. Kamenetzky, J., *et al.*, 2013, **ApJ**, 773, 34.
Carbon Monoxide in the Cold Debris of Supernova 1987A
96. Lunnan, R., *et al.*, 2013, APJ, 771, 97.
PS1-10bzj: A Fast, Hydrogen-poor Superluminous Supernova in a Metal-poor Host Galaxy
95. Milisavljevic, D., **Soderberg, A. M.**, *et al.*, 2013, APJ, 770, 38.
SN 2012au: A Golden Link between Superluminous Supernovae and Their Lower-luminosity Counterparts
94. Sanders, N. E., **Soderberg, A. M.**, *et al.*, 2013, APJ, 769, 39.
PS1-12sk is a Peculiar Supernova from a He-rich Progenitor System in a Brightest Cluster Galaxy Environment
93. Chornock, R., *et al.*, 2013, APJ, 767, 162.
PS1-10afx at $z = 1.388$: Pan-STARRS1 Discovery of a New Type of Superluminous Supernova
92. Foley, R. J., *et al.*, 2013, APJ, 767, 57.
Type Iax Supernovae: A New Class of Stellar Explosion
91. Zauderer, B. A., *et al.*, 2013, APJ, 767, 152.
Radio Monitoring of the Tidal Disruption Event Swift J164449.3+573451. II. The Relativistic Jet Shuts Off and a Transition to Forward Shock X-ray/Radio Emission

90. Sanders, N. E., Levesque, E. M., **Soderberg, A. M.**, 2013, APJ, 775, 125.
Using Colors to Improve Photometric Metallicity Estimates for Galaxies
89. Sanders, N. E., **Soderberg, A. M.**, *et al.*, 2012, APJ, 758, 132.
A Spectroscopic Study of Type Ibc Supernova Host Galaxies from Untargeted Surveys
88. Levesque, E. M., Chornock, R., **Soderberg, A. M.**, 2012, APJ, 758, 92.
Host Galaxy Properties of the Subluminous GRB 120422A/SN 2012bz
87. Zauderer, B. A., *et al.*, 2013, APJ, 767, 161.
Illuminating the Darkest Gamma-Ray Bursts with Radio Observations
86. Arcavi, I., *et al.*, 2012, APJ, 756, 30.
Caltech Core-Collapse Project (CCCP) Observations of Type II Supernovae: Evidence for Three Distinct Photometric Subtypes
85. Margutti, R., *et al.*, 2012, APJ, 756, 63.
The Afterglow and Environment of the Short GRB 111117A
84. Berger, E., *et al.*, 2012, APJ, 755, L29.
Ultraluminous Supernovae as a New Probe of the Interstellar Medium in Distant Galaxies
83. Milisavljevic, D., Margutti, R., **Soderberg, A. M.**, *et al.* 2013, APJ, 767, 71.
Multi-Wavelength Observations of Supernova 2011ei: Time-Dependent Classification of Type IIb and Ib Supernovae and Implications for their Progenitors
82. Margutti, R., **Soderberg, A. M.**, *et al.* 2012, APJ, 751, 134.
Inverse Compton X-Ray Emission from Supernovae with Compact Progenitors: Application to SN2011fe
81. Bietenholz, M., Brunthaler, A., **Soderberg, A. M.**, *et al.* 2012, APJ, 751, 125.
VLBI Observations of the Nearby Type IIb Supernova 2011dh
80. Gezari, S., *et al.*, 2012, NATURE, 485, 217.
An ultraviolet-optical flare from the tidal disruption of a helium-rich stellar core
79. Chandra, P. *et al.*, 2012, APJ, 755, 110.
Radio and X-ray observations of SN 2006jd: Another strongly interacting Type IIn supernova
78. Krauss, M., **Soderberg, A. M.**, *et al.*, 2012, APJ, 750, 40.
Expanded Very Large Array Observations of the Radio Evolution of SN 2011dh
77. Chandra, P., *et al.*, 2012, APJ, 750, L2.
Strong Evolution of X-Ray Absorption in the Type IIn Supernova SN 2010jl
76. Chomiuk, L., **Soderberg, A. M.** *et al.*, 2012, APJ, 750, 164.
EVLA Observations Constrain the Environment and Progenitor System of Type Ia Supernova 2011fe
75. Wang, X., *et al.*, 2012, APJ, 749, 126.
Evidence for Type Ia Supernova Diversity from Ultraviolet Observations with the Hubble Space Telescope
74. Berger, E., Zauderer, A., Pooley, G., **Soderberg, A. M.**, *et al.*, 2012, APJ, 748, 36.
Radio Monitoring of the Tidal Disruption Event Swift J164449.3+573451. I. Jet Energetics and the Pristine Parsec-scale Environment of a Supermassive Black Hole
73. Wellons, S., **Soderberg, A. M.**, & Chevalier, R. A., 2012, APJ, 752, 17
Radio Observations Reveal Unusual Circumstellar Environments for Some Type Ibc Supernova Progenitors
72. Clark, B. E., *et al.*, 2011, ICARUS, 216, 462.
Asteroid (101955) 1999 RQ36: Spectroscopy from 0.4 to 2.4 m and meteorite analogs
71. Sanders, N., **Soderberg, A. M.**, *et al.*, 2012, APJ, 756, 184
SN 2010ay is a Luminous and Broad-lined Type Ic Supernova within a Low-metallicity Host Galaxy
70. Fox, O., Chevalier, R. A., Scrutskie, M., **Soderberg, A. M.**, *et al.* 2011, APJ, 741, 7.
A Spitzer Survey for Dust in Type IIn Supernovae

69. Zauderer, B. A., Berger, E., **Soderberg, A. M.**, *et al.*, 2011, NATURE, 476, 425.
The Birth of a Relativistic Outflow in the Unusual γ -ray Transient J164449.3+573451
68. Chomiuk, L., Chornock, R. **Soderberg, A. M.**, *et al.* 2011, APJ, 743, 114.
Pan-STARRS1 Discovery of Two Ultra-Luminous Supernovae at $z \sim 0.9$
67. Levesque, E. M., Berger, E., **Soderberg, A. M.**, & Chronic, R. 2011, APJ, 739, 23.
Metallicity in the GRB 100316d/SN 2010bh Host Complex
66. Margutti, R., *et al.* 2011, MNRAS, 417, 1244
X-ray flare candidates in short gamma-ray bursts
65. Cucchiara, A., *et al.* 2011, APJ, 736, 7.
A Photometric Redshift of $z \sim 9.4$ for GRB 090429B
64. Chakraborti, S., Ray, A., **Soderberg, A. M.**, *et al.* 2011, NATURE COMMUNICATIONS, 2, 175
Ultra-high cosmic rays acceleration in engine-driven relativistic supernovae
63. Narayan, G. *et al.*, 2011, APJ, 731, L11
Displaying the Heterogeneity of the SN 2002cx-like Subclass of Type Ia Supernovae with Observations of the Pan-STARRS-1 Discovered SN 2009ku
62. Pignata, G., Stritzinger, M., **Soderberg, A. M.**, *et al.* 2011, APJ, 728, 14
SN 2009bb: A Peculiar Broad-lined Type Ic Supernova
61. Levesque, E. M., **Soderberg, A. M.**, *et al.*, 2011, APJ, 725, 1337
No Correlation Between Host Galaxy Metallicity and Gamma-ray Energy Release for Long-duration Gamma-ray Bursts
60. Drout, M. R., **Soderberg, A. M.**, *et al.* 2011, APJ, 741, 97.
The First Systematic Study of Type Ibc Supernova Multi-band Light-curves
59. Levesque, E. M., **Soderberg, A. M.**, *et al.*, 2010, APJ, 709, L26
The High-metallicity Explosion Environment of the Relativistic Supernova 2009bb
58. Chevalier, R. A. & **Soderberg, A. M.**, 2010, APJ, 711, L40
Type IIb Supernovae with Compact and Extended Progenitors
57. Bietenholz, M. F., **Soderberg, A. M.**, *et al.* 2010, APJ, 725, 4
VLBI Observations of the Type I b/c Supernova 2009bb
56. Gezari, S., *et al.* 2010, APJ, 720, L77
GALEX and Pan-STARRS1 Discovery of SN IIP 2010aq: The First Few Days After Shock Breakout in a Red Supergiant Star
55. Perets, H. B., *et al.*, 2010, NATURE, 465, 322
A faint type of supernova from a white dwarf with a helium-rich companion
54. Cenko, S. B., *et al.*, 2010, APJ, 711, 641
The Collimation and Energetics of the Brightest Swift Gamma-ray Bursts
53. Kiewe, M., *et al.*, 2010, APJ, 744, 10.
Caltech Core-Collapse Project (CCCP) observations of type IIin supernovae: typical properties and implications for their progenitor stars
52. Chornock, R., *et al.*, 2010, APJ, (in press)
Spectroscopic Discovery of the Broad-lined Type Ic Supernova 2010bh Associated with the Long GRB 100316D
51. Foley, R., *et al.*, 2010, APJ, 732, 32.
The Diversity of Massive Star Outbursts I: Observations of SN 2009ip, UGC 2773 OT2009-1, and Their Progenitors
50. Tanvir, N. R., *et al.*, 2009, NATURE, 461, 1254
A gamma-ray burst at a redshift of $z \sim 8.2$
49. Bietenholz, M. F., **Soderberg, A. M.** & Bartel, N., 2009, APJ, 694, 6
Very-Long-Baseline Interferometry Observations of SN 2008D

48. Perley, D. *et al.*, 2009, AJ, 138, 1690
The Host Galaxies of Swift Dark Gamma-ray Bursts: Observational Constraints on Highly Obscured and Very High Redshift GRBs
47. Berger, E., **Soderberg, A. M.** *et al.*, 2009, 699, 1850
An Intermediate Luminosity Transient in NGC 300: The Eruption of a Dust-Enshrouded Massive Star
46. Stritzinger, M., *et al.*, 2009, APJ, 696, 713
The He-rich core-collapse supernova 2007Y: Observations from X-ray to Radio Wavelengths
45. Kowalski, M. *et al.*, 2008, APJ, 686, 749
Improved Cosmological Constraints from New, Old and Combined Supernova Datasets
44. Cenko, S. B., *et al.*, 2008, APJ, 667, 441
GRB 070125: The First Long-Duration Gamma-Ray Burst in a Halo Environment
43. Valenti, S., *et al.*, 2008, MNRAS, 383, 1485
The broad-lined Type Ic supernova 2003jd
42. Chandra, P., *et al.*, 2008, APJ, 683, 924
A comprehensive study of GRB 070125, a most energetic gamma ray burst
41. Gal-Yam, A. *et al.*, 2008, APJ, 686, 408
New Imaging and Spectroscopy of the Locations of Several Short-Hard Gamma-Ray Bursts
40. Immler, S., *et al.*, 2008, APJL, 674, 85
Swift, Chandra Detections of Supernova 2006jc: Evidence for Interaction of the Supernova Shock with a Circumstellar Shell
39. Kasliwal, M. M., *et al.*, 2007, APJ, 678, 1127
GRB070610 : A Curious Galactic Transient
38. Berger, E., *et al.*, 2007, APJ, 665, 102
Hubble Space Telescope, Spitzer Observations of the Afterglow and Host Galaxy of GRB 050904 at $z = 6.295$
37. Berger, E., *et al.*, 2007, APJ, 664, 1000
A New Population of High-Redshift Short-Duration Gamma-Ray Bursts
36. Rau, A., *et al.*, 2007, APJ, 664, 474
The Incidence of Dwarf Novae in Large Area Transient Searches
35. Immler, S., *et al.* 2007, APJ, 664, 435
X-Ray, UV, and Optical Observations of Supernova 2006bp with Swift: Detection of Early X-Ray Emission
34. Ofek, E. O., *et al.*, 2007, APJ, 662, 1129
GRB 060505: A Possible Short-Duration Gamma-Ray Burst in a Star-forming Region at a Redshift of 0.09
33. Ofek, E. O., *et al.*, 2007, APJL, 659, 13
SN 2006gy: An Extremely Luminous Supernova in the Galaxy NGC 1260
32. Kulkarni, S. R., *et al.*, 2006, NATURE, 447, 458
An unusually brilliant transient in the galaxy Messier 85
31. Ofek, E. O., *et al.*, 2006, APJ, 652, 507
The short-hard GRB 051103: Observations and implications for its nature
30. Shin, M.-S., *et al.*, 2006, APJ (in press)
High-Resolution Spectroscopy of GRB030226: Features of a Massive Star Progenitor or Intervening Absorption Systems?
29. Cenko, S. B., *et al.*, 2006, PASP, 118, 1396
The Automated Palomar 60-Inch Telescope
28. Gal-Yam, A., *et al.*, 2006, NATURE, 444, 1052
A novel explosive process is required for the gamma-ray burst GRB 060614

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