

Bibliography

Ruth A. Daly

Refereed Publications

Undergraduate students and graduate students supervised by Daly are indicated by the superscript “US” and “GS,” respectively.

Vaddi, S., Kharb, P., Daly, R. A., O’Dea, C. P., Baum, S. A., Deo, K. D., Barbusca^{US}, T. C., & Murali, C. 2018, “A VLA–GMRT Look at 11 Powerful FR II Quasars,” *Monthly Notices of the Royal Astronomical Society*, submitted for publication March 2018, p1-16.

Daly, R. A., Stout^{US}, D. A., & Mysliwiec^{US}, J. N. 2018, “A Fundamental Line of Black Hole Activity,” *the Astrophysical Journal*, 863, 117-122.

Daly, R. A. 2016, “Spin properties of supermassive black holes with powerful outflows,” *Monthly Notices of the Royal Astronomical Society, Letters*, 458, L24 – L 28.

Daly, R. A., & Sprinkle^{US}, T. B. 2014 “Black hole spin properties of 130 AGN,” *Monthly Notices of*

Daly, R. A., Sprinkle^{US}, T. B., O’Dea, C. P., Kharb, P., & Baum, S. A. 2012 “The Relationship between Beam Power and Radio Power for Classical Double Radio Sources ,” *Monthly Notices of the Royal Astronomical Society*, 423, 2498-2502.

Daly, R. A. 2011, “Estimates of Black Hole Spin Properties of 55 Sources,” *Monthly Notices of the Royal Astronomical Society*, 414, 1253-1262.

Daly, R. A., Kharb, P., O’Dea, C. P., Baum, S. A., Mory^{US}, M. P., McKane^{US}, J., Altenderfer^{US}, C. Beury^{US}, M. 2010, “A Detailed Study of the Lobes of Eleven Powerful Radio Galaxies,” *Astrophysical Journal Supplement Series*, 187, 1-63.

Daly, R. A. 2009, “Bounds on Black Hole Spins,” *Astrophysical Journal Letters*, 696, L32-36.

Daly, R. A. 2009, “Black Hole Spins of Radio Sources,” *Astrophysical Journal Letters*, 691, L72-76.

Daly, R. A., Mory^{US}, M. P., O’Dea, C. P., Kharb, P., Baum, S., Guerra, E. J., & Djorgovski, S. G. 2009, “Cosmological Studies with Radio Galaxies and Supernovae,” *Astrophysical Journal*, 691, 1058-1067.

O’Dea, C. P., Daly, R. A., Freeman^{US}, K. A., Kharb, P., & Baum, S. 2009, “Physical Properties of Very Powerful FR II Radio Galaxies,” *Astronomy & Astrophysics*, 494, 471-488.

Daly, R. A., Djorgovski, S. G., Freeman^{US}, K. A.; Mory^{US}, M. P.; O’Dea, C. P.; Kharb, P., & Baum, S. 2008 “Improved Constraints on the Acceleration History of the Universe and the Properties of the Dark Energy,” *Astrophysical Journal*, 677, 1 – 11.

- Kharb, P., O'Dea, C., Baum, S., Daly, R. A., Mory^{US}, M. P., Donahue, M., & Guerra, E. J. 2008, "A Study of Thirteen Powerful Classical Double Radio Galaxies," *Astrophysical Journal Supplement Series*, 174, 74 – 110
- Daly, R. A., & Djorgovski, G. 2007, "A Nearly Model-Independent Characterization of Dark Energy Properties as a Function of Redshift," *NuPhS*, 173, 19 – 23.
- Daly, R. A., & Djorgovski, G. 2005, "Direct Determinations of the Redshift Behavior of the Pressure, Energy Density, and Equation of State of the Dark Energy and the Acceleration of the Universe," *International Journal of Modern Physics A*, Vol. 20, No. 6, 1113-1120.
- Carvalho, J. C., Daly, R. A., Mory^{US}, M. P., & O'Dea, C. P. 2005, "Comparison of Radio Observations and Numerical Simulations of the Radio Lobes of Cygnus A," *Astrophysical Journal*, 620, 126-144.
- Daly, R. A. 2005, "Radio Galaxies and the Acceleration of the Universe Beyond a Redshift of One," to appear in "Advances in Space Research" eds. L. Zasova, J. T. Hoeksema, R. V. Duncan, and T. J. Sumner, (Elsevier Ltd), Volume 35, Issue 1, 116-121.
- Daly, R. A., & Djorgovski, S. G. 2004, "Direct Determination of the Kinematics of the Universe and Properties of the Dark Energy as Functions of Redshift," *Astrophysical Journal*, 612, 652-659.
- Daly, R. A., & Djorgovski, S. G. 2003, "A Model-Independent Determination of the Expansion and Acceleration Rates of the Universe as a Function of Redshift and Constraints on Dark Energy," *Astrophysical Journal*, 597, 9-20.
- Donahue, M., Daly, R. A., & Horner, D. J. 2003, "Constraints on the Cluster Environments and Hot Spot Magnetic Field Strengths of the Radio Sources 3C 280 and 3C 254," *Astrophysical Journal*, 584, 643-656.
- Podariu, S., Daly, R. A., Mory^{US}, M. P., & Ratra, B. 2003, "Radio Galaxy Redshift-Angular Size Data Constraints on Dark Energy," *Astrophysical Journal*, 584, 577-579.
- Daly, R. A., & Guerra^{GS}, E. J. 2002, "Quintessence, Cosmology, and Fanaroff-Riley Type IIb Radio Galaxies," *Astronomical Journal*, 124, 1831-1838.
- Wan^{GS}, L., Daly, R. A., & Guerra^{GS}, E. J. 2000, "Empirical Determinations of Key Physical Parameters Related to Classical Double Radio Sources," *Astrophysical Journal*, 544, 671-685.
- Guerra^{GS}, E. J., Daly, R. A., & Wan^{GS}, L. 2000, "Global Cosmological Parameters Determined Using Classical Double Radio Galaxies," *Astrophysical Journal*, 544, 659-670.
- Wan^{GS}, L., & Daly, R. A. 1998, "A Detailed Investigation of Radio Power Selection Effects Relevant to the Study of Classical Double Radio Sources," *Astrophysical Journal Sup*, 115, 141-162.
- Wan^{GS}, L., & Daly, R. A. 1998, "A Detailed Study of Projection Effects in the Study of FR II Radio Sources," *Astrophysical Journal*, 499, 614-634.

- Guerra^{GS}, E. J., & Daly, R. A. 1998, "Central Engines of AGN: Properties of Collimated Outflows and Applications for Cosmology," *Astrophysical Journal*, 493, 536-546.
- Guerra^{GS}, E. J., & Daly R. A. 1997, "Outflow Angles, Bulk Lorentz Factors, and Kinematics of Outflows from the Cores of AGN," *Astrophysical Journal*, 491, 483-500.
- Wellman^{GS}, G. F., Daly, R. A., & Wan^{GS}, L. 1997, "The Gaseous Environments of Powerful Extended Radio Sources," *Astrophysical Journal*, 480, 96-114.
- Wellman^{GS}, G. F., Daly, R. A., & Wan^{GS}, L. 1997, "Radio Bridge Structure and Its Application to Estimate the Mach Number and Ambient Gas Temperature of Powerful Sources," *Astrophysical Journal*, 480, 79-95.
- Guijosa^{GS}, A., & Daly, R. A. 1996, "Equipartition Doppler Factors for a Sample of Active Galactic Nuclei," *Astrophysical Journal*, 461, 600-608.
- Wan^{GS}, L., & Daly, R. A. 1996, "Classical Double Radio Galaxies and their Gaseous Environments," *Astrophysical Journal*, 467, 145-161.
- Sokoloski^{GS}, J., Daly, R. A., & Lilly, S. J. 1996 "ROSAT HRI Observations of Four High-Redshift Clusters of Galaxies," *Astrophysical Journal*, 459, 142-146.
- Daly, R. A. 1995, "Powerful Extended Radio Sources as Tools to Estimate Ambient Gas Densities, Jet Luminosities, and other Key Parameters," *Astrophysical Journal*, 454, 580-592.
- Daly, R. A. 1994, "Cosmology with Powerful Extended Radio Sources," *Astrophysical Journal*, 426, 38-50.
- Daly, R. A. 1993, "The Connection Between Line Emission and Radio Power in Distant Radio Galaxies," *Astrophysical Journal*, 406, 47-51.
- Daly, R. A. 1992, "Morphological Peculiarities of High-Redshift Radio Galaxies: the Role of Relativistic Electrons," *Astrophysical Journal*, 399, 426-443.
- Daly, R. A., & McLaughlin^{US}, G. C. 1992, "Dark Matter and Brown Dwarfs: Prospects for the Direct Detection of a Brown Dwarf Halo," *Astrophysical Journal*, 390, 423-430.
- Daly, R. A. 1992, "Inverse Compton Scattering and the Alignments Observed in High-Redshift Radio Galaxies," *Astrophysical Journal*, 386, L9-L12.
- Daly, R. A. 1991, "Constraints on Models for the High and Low Energy X-Ray Backgrounds," *Astrophysical Journal*, 379, 37-51.
- Daly, R. A. 1991, "Spectral Distortions of the Microwave Background Radiation Resulting from the Damping of Pressure Waves," *Astrophysical Journal*, 371, 14-28.
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- Daly, R. A. and Turner, E. L. 1988, "Energy Densities and Temperatures Associated with the Diffuse X-Ray Background, Galaxies and Large Scale Structures," *Comments on Astrophysics*, 12, No. 5, 219-232.
- Daly, R. A. 1988, "An Interpretation of the Excess Energy Density Observed on the Wien Side of the Microwave Background Radiation," *Astrophysical Journal*, 333, L1-L3.
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- Daly, R. A., & Marscher, A. P. 1988, "The Gasdynamics of Compact Relativistic Jets," *Astrophysical Journal*, 334, 539-551.
- Daly, R. A. 1988, "Unstable Matter and the 1 to 10 MeV Gamma-Ray Background," *Astrophysical Journal*, 324, L47-L50.
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- Daly, R. A. & Hughes, W. J. 1985, "The Effect of Hydromagnetic Waves on the Shape of the Plasmapause Boundary," *Journal of Geophysical Research*, 90, 537-542.

Invited Participant at Professional Meetings

Invited speaker is indicated by *, and keynote invited speaker is indicated by **

* January 2018, at the Aspen Center for Physics Winter Meeting "Using Tidal Disruption Events to Study Super-Massive Black Holes," presented "Thoughts on TDEs and Lessons from AGN."

* June 2016, at the Aspen Center for Physics Workshop "Emergence, Evolution and Effects of Black Holes in the Universe: The Next 50 Years of Black Hole Physics" presented "Supermassive Black Holes."

* March 2016, at the Aspen Center for Physics Winter Meeting "The Re-ionization Epoch: New Insights and Future Prospects," presented "The Relationship Between Outflow Power, Accretion Disk Luminosity, and Other Parameters of Powerful Radio Sources and Their Implications."

* December 2014, at the conference Miami 2014 - A topical conference on elementary particles, astrophysics, and cosmology, Fort Lauderdale, FL; presented "Black Hole Spin Properties of 130 AGN."

- * December 2012, at the conference Miami 2012 - A topical conference on elementary particles, astrophysics, and cosmology, Fort Lauderdale, FL; presented “Spins of Supermassive Black Holes.”
- * June 2011, at the Aspen Center for Physics workshop “Stellar and Intermediate Mass Black Holes: Gravitational Physics and Radiation Sources Across the Universe,” presented “Black Hole Spin Determinations.”
- * June 2009, at the Perimeter Institute summer school “Exploring the Cosmological Frontiers,” Waterloo, Canada; presented “Phenomenological Cosmology and the Accelerating Universe.”
- * March 2009, at the March Meeting of the American Physical Society; presented “The Accelerating Universe.”
- * January 2009, at the Aspen Center for Physics Conference "Understanding the Dark Sector: Dark Matter and Dark Energy," presented "Model-Independent Studies of the Dark Energy.”
- * July 2008, at the “12th Paris Cosmology Colloquium,” Paris, France; presented “The Accelerating Universe and the Properties of the Dark Energy.”
- * May 2008, at the conference “A Decade of Dark Energy,” STSCI, Baltimore, MD; presented “The Dark Energy Indicator: A Measure of Deviations of w from -1 .”
- * February 2008, at the UCLA symposium “Dark Matter and Dark Energy in the Universe,” Marina del Rey, CA; gave two presentations “The Equation of State of Dark Energy,” and “A Decade of Dark Energy.”
- * February 2008, at the Aspen Center for Physics Conference “The First Two Billion Years of Galaxy Formation: The Reionization Epoch and Beyond,” presented “The Properties of Very Powerful Radio Galaxies.”
- * December 2007, at the conference “Celebrating Ten Years of Ads/CFT,” Miami, FL; presented “Dark Energy and the Acceleration of the Universe.”
- * June 2007, at the Aspen Center for Physics Workshop “Dark Energy in the Universe,” presented “Model-Independent Studies of Dark Energy and the Accelerating Universe.”
- * February 2006, at the Conference “Dark Matter 2006” in Marina del Rey, CA; “Constraining the Physical Properties of the Dark Energy Using a Nearly Model-Independent Approach,” by R. A. Daly and S. G. Djorgovski.
- * December 2006, at the conference “Celebrating 35 Years of Supersymmetry, Supergravity, Superstrings, and All That,” in Miami, FL; presented “New Results on the Properties of the Dark Energy and the Acceleration of the Universe.”
- * December 2005, at the conference “Celebrating a Century of Physics in the Einstein Era,” Miami, FL; presented “New Results on the Acceleration of the Universe and the Properties of the Dark Energy.”

- * December 2004, at the conference “Celebrating 40 Years of Quarks, Cosmology, CP-Violation, and Physics Conferences in Greater Miami;” presented “The Acceleration of the Universe.”
- * August 2004, at the Aspen Center for Physics Workshop “Cosmic Acceleration: Dark Energy or New Gravitational Physics,” presented “Direct Determinations of the Properties of the Dark Energy and the Acceleration of the Universe as Functions of Redshift.”
- * April 2004, Hayden Planetarium Space Theater at the American Museum of Natural History, as part of the Hayden Planetarium's FRONTIERS IN ASTROPHYSICS Lecture Series; presented “The Acceleration of the Universe.”
- * March 2004, at the NOAO workshop “Observing Dark Energy” in Tucson, Arizona; presented “Direct Constraints on the Properties and Evolution of Dark Energy.”
- * December 2003, at the Coral Gables meeting "Launching of Belle Epoque in High Energy Physics and Cosmology" in Fort Lauderdale, Florida; presented “Measuring the Acceleration of the Universe with Supernovae and Radio Galaxies.”
- * December 2002, at the Coral Gables meeting "Short Distance Behavior of the Fundamental Interactions" in Fort Lauderdale, Florida; presented "Fundamental Properties of AGN."
- * * October 2002, for the session "High Redshift Physics" at the COSPAR meeting "Particle Astrophysics and Cosmology: from Quarks to the Cosmos;" in Houston, Texas; presented "Radio Galaxies and the Acceleration of the Universe Beyond a Redshift of One."
- * December 2001, at the Coral Gables meeting "Cosmology and Elementary Particle Physics" in Fort Lauderdale, Florida; presented "High-Redshift Radio Galaxies as a Cosmological Tool: Exploration of a Key Assumption and Comparison with Supernova Results."
- * * May 2001, at the Pennsylvania State Convention of the American Association of University Women (AAUW), in York, PA; presented "The Status of Women in Science."
- * April 2001, at the Space Telescope Science Institute meeting "The Dark Universe: Matter, Energy, and Gravity," in Baltimore, MD; presented "Cosmological Parameters and Quintessence from Radio Galaxies."
- * January 2001, at the Aspen Center for Physics Conference “Galaxy Formation and Evolution: Theoretical Challenges/Observational Prospects,” presented “Probing the Cores of High-Redshift Clusters.”
- * July 1999, at the Space Telescope Science Institute meeting "Lifecycles of Radio Galaxies," in Baltimore, MD; presented "Models Developed to Describe FRIIb and FRIIa Radio Sources."
- * June 1999, at the Aspen Center for Physics Workshop “The Cosmological Constant,” presented “Radio Sources Place Constraints on Global Cosmological Parameters.”
- * June 1996, at the Aspen Center for Physics Workshop “Galaxy Interactions at Low and High Redshift,” presented “The Mach Number, Ambient Gas Temperature, and Ambient Gas Density in the Vicinity of Powerful Extended Radio Sources

- * June 1995, at the Aspen Center for Physics Workshop “The Physics of Dense Stellar Systems,” presented "Remnant Black Holes and Cosmogonical Models.”
- * January 1995, at the Aspen Center for Physics Conference "Clues to Galaxy Formation: Quasar Absorption Lines and Deep Galaxy Surveys," presented "The Gaseous Environments About High-Redshift Radio Sources."
- * June 1994, at the Aspen Center for Physics Workshop “Physics of Galaxy Clusters,” presented "Powerful Extended Radio Sources as a Probe of the Intracluster Medium."
- * January 1993, at the Aspen Center for Physics Conference “The Cosmic Distance Scale,” presented "Cosmology with Distant Radio Galaxies.”
- * April 1992, at the American Physical Society meeting in Washington, D.C.; presented "The High-Energy Diffuse Background and Cosmology."
- * June 1991, at the Aspen Center for Physics Workshop “The Physics of Galaxy Formation,” presented "Models to Explain the Alignment Effect."
- * January 1991, at the Aspen Center for Physics Conference “Recent Advances in Physical Cosmology,” and gave the presentation "Models for the Origin of High-Redshift Galaxies."
- * August 1991, at Space Telescope Science Institute meeting " AGN at High Redshift," in Baltimore, MD; presented "Theories of the Alignment Effect."
- * August and September 1989, at the Aspen Center for Physics Workshop “Evolution of Large-Scale Structure in the Universe,” presented "Energy Arguments Applied to the X-Ray Background.”
- * June 1988, at the Aspen Center for Physics Workshop “Large Scale Structure in the Universe,” presented "Constraints on Large-Scale Structure at High Redshift from the X-Ray Background."

Non-refereed Publications

- Daly, R. A. 2017, “Implications of Relationships between Black Hole Mass, Bolometric Luminosity, and Beam Power of AGN,” American Physical Society Conference “Quarks 2 Cosmos,” abstract id. S5.007
- Daly, R. A. 2014, “Black Hole Spin Properties of 130 AGN,” American Astronomical Society Meeting #223, #126.06.
- Daly, R. A. 2012, “The Relationship between Feedback Rates and Supermassive Black Hole Spin Evolution,” American Astronomical Society Meeting #220, #320.06.
- Daly, R. A. 2010, “Black Hole Spins of 55 Radio Sources,” American Astronomical Society Meeting #215, #336.06.

- Daly, R. A. 2009, "A Decade of Dark Energy: 1998-2008," in "Sources and Detection of Dark Matter and Dark Energy in the Universe: Proceedings of the 8th UCLA Symposium," ed. D. Cline (New York: AIP), AIP, 1166, 81-86.
- Daly, R. A. 2008, "The Properties of the Most Powerful FR II Radio Galaxies," in "Radio Galaxies in the Chandra Era," Conference held 8-11 July 2008 in Cambridge, MA, published online at <http://cxc.harvard.edu/radiogals08/agenda/program.html>, abstract #5
- Daly, R. A., O'Dea, C.; Kharb, P.; Baum, S.; Freeman^S, K.; Mory^S, M. 2008, "The Properties and Gaseous Environments of Powerful Classical Double Radio Galaxies," in "Extragalactic Jets: Theory and Observation from Radio to Gamma Ray", eds. T. A. Rector and D. S. De Young (San Francisco: ASP) ASP Conference Series 386, 25 - 31.
- Daly, R. A., & Djorgovski, S. G. 2007, "The Acceleration History of the Universe and the Properties of the Dark Energy," in "SUPERNOVA 1987A: 20 YEARS AFTER: Supernovae and Gamma-Ray Bursters" AIPC, 937, 298 – 302.
- Kharb, P., O'Dea, C., Baum, S., Daly, R. A., Mory^S, M. P., Donahue, M., & Guerra, E. J. 2007, "A Radio Study of Thirteen Powerful FR II Radio Galaxies," in "The Central Engine of Active Galactic Nuclei," eds. L. C. Ho & J. M. Wang (San Francisco: ASP), ASPC, 373, 221 – 222.
- Daly, R. A., & Djorgovski, S. G. 2005 "Uncovering the Acceleration History of the Universe and the Secrets of the Dark Energy," American Astronomical Society Meeting, #207, #152.02
- Daly, R. A., & Djorgovski, S. G. 2005, "Constraints on the Physical Parameters of the Dark Energy Using a Model-Independent Approach," astro-ph/0512576.
- Daly, R. A., & Djorgovski, G. 2005 "Direct Constraints on the Properties and Evolution of Dark Energy," in "Observing Dark Energy," ASP Conference Series, Vol. 339, eds. Sidney C. Wolff and Told R. Lauer (San Francisco: Astronomical Society of the Pacific), 117-127.
- Daly, R. A., & Guerra, E. J. 2005, "FR IIb Radio Galaxies, Cosmology, and Quintessence," in IAU Symposium 201 "New Cosmological Data and the Values of Fundamental Parameters," eds. A. Lasenby & A. Wilkinson, 264-267.
- Daly, R. A., & Guerra, E. J. 2003, "Cosmological Parameters and Quintessence From Radio Galaxies," in "The Dark Universe: Matter, Energy, and Gravity," eds. M. Livio & M. Fall (Cambridge: Cambridge University Press), 77-96.
- Daly, R. A., 2003 "Determining the Acceleration of the Universe as a Function of Redshift and Implications for Dark Energy," in "Short Distance Behavior of Fundamental Interactions," eds. B. N. Kursunoglu, M. Camcigil, and S. L. Mintz (New York: AIP), 37-46.
- Daly, R. A., & Djorgovski, S. G. 2003, "The Acceleration of the Universe as a Function of Redshift and Constraints on Dark Energy," American Physical Society April Meeting, abstract id. H9.007

- Daly, R. A., Mory^S, M. P., & Guerra^{GS}, E. J. 2002, "High-Redshift Radio Galaxies as a Cosmological Tool: Exploration of a Key Assumption and Comparison with Supernova Results," in *Cosmology and Elementary Particle Physics*, ed. B. N. Kursunoglu, S. L. Mintz, and A. Perlmutter (New York: AIP), 87-94.
- Daly, R. A. 2002, "Models Developed to Describe FRIIb and FRIIa Radio Sources," in "Lifecycles of Radio Galaxies," 2002, *New Astronomy Reviews*, 46, 47-60.
- Daly, R. A., Guerra^{GS}, E. J., & Chester, M. M. 2001, "FRIIb Radio Sources, Ambient Gas Densities, and Clusters of Galaxies," in "Particles and Fields in Radio Galaxies," eds. R. A. Laing & K. M. Blundell (California: ASP), 412-416.
- Guerra^{GS}, E. J., & Daly, R. A. 2001, "Beam Powers, Active Lifetimes, and Total Energies of FRIIb Radio Galaxies," in "Particles and Fields in Radio Galaxies," eds. R. A. Laing & K. M. Blundell, (California: ASP), 417-421.
- Daly, R. A., & Chester, M. M. 2000, "A Comparison of Predicted and Observed Intracluster Gas Properties," *American Astronomical Society Meeting #196*, #34.23.
- Daly, R. A., Guerra^{GS}, E. J., & Wan^{GS}, L. 1998, "Global Cosmological Parameters Measured Using Classical Double Radio Sources," in XXXIIIrd Recontres de Moriond "Fundamental Parameters in Cosmology," eds. J. Tran Thanh Van & Giraud-Heraud (Paris, France: Editions Frontieres), 323-326.
- Daly, R. A., Guerra^{GS}, E. J., & Wan^{GS}, L. 1998, "Global Cosmological Parameters Determined Using Radio Sources," *American Astronomical Society Meeting #192*, #17.04
- Daly, R. A. 1997, "New Methods of Probing Evolution of Structure and Cosmological Parameters," *Meeting of the American Astronomical Society*, #191, #95.04
- Guerra^{GS}, E. J., & Daly, R. A. 1997, "Outflow Angles and Bulk Lorentz Factors for Different Categories of AGN," in *IAU Colloquium 163 "Accretion Phenomena and Related Outflows"*, eds. D. T. Wickramasinghe, G. V. Bicknell, & L. Ferrario (ASP Conference Series), 695-698.
- Daly, R. A., Guerra^{GS}, E. J., & Guijosa^{GS}, A. 1996, "Estimates of Doppler Factors, Outflow Angles, and Bulk Lorentz Factors for a Sample of Compact Radio Sources," in "Energy Transport in Radio Galaxies and Quasars," eds. P. Hardee, A. Bridle, & Anton Zensus (ASP Conference Series), 73-77.
- Wan^{GS}, L., Daly, R. A., & Wellman^{GS}, G. F. 1996, "Beam Power of Powerful FRII Sources," in "Energy Transport in Radio Galaxies and Quasars," eds. P. Hardee, A. Bridle, & Anton Zensus (ASP Conference Series), 305-308.
- Daly, R. A. 1996, "Evolution of Powerful Extended Radio Sources," in *IAU 175, "Extragalactic Radio Sources"*, ed. C. Fanti (Dordrecht: Kluwer), 319-322.
- Wan^{GS}, L., & Daly, R. A. 1996, "FRII Radio Sources in Rich Clusters of Galaxies," in "Cygnus A - Study of a Radio Galaxy," eds. C. L. Carilli & D. E. Harris (Cambridge: Cambridge University Press), 240-243.

Wellman^{GS}, G. F., & Daly, R. A. 1996, "The Use of Radio Observations to Probe Ambient Gas Densities," "Cygnus A - Study of a Radio Galaxy," eds. C. L. Carilli & D. E. Harris (Cambridge: Cambridge University Press), 246-249.

Wellman^{GS}, G. F., & Daly, R. A. 1996, "Lateral Expansion of the Bridges of Cygnus A and Other Powerful Radio Sources," in "Cygnus A - Study of a Radio Galaxy," eds. C. L. Carilli & D. E. Harris (Cambridge: Cambridge University Press), 215-218.

Guerra^{GS}, E. J., & Daly, R. A. 1996, "Cygnus A and Other 3CR Sources in Cosmological Tests," in "Cygnus A - Study of a Radio Galaxy," eds. C. L. Carilli & D. E. Harris (Cambridge: Cambridge University Press), 252-255.

Daly, R. A. 1995, "Powerful Extended Radio Sources: A Goldmine for Cosmology," in IAU No. 168, "Examining the Big Bang and Diffuse Background Radiations," ed. M. Kafatos, 469-472.

Wan^{GS}, L., & Daly, R. A. 1995 "The Beam Power' of Classical Double Radio Sources," American Astronomical Society Meeting, #187, #12.07.

Guerra^{GS}, E. J., & Daly, R. A. 1995, "Disentangling Relativistic Effects in Compact Radio Sources," American Astronomical Society Meeting, #187, #13.03.

Daly, R. A., & Guerra^{GS}, E. J. 1995, "Update & Results on Cosmology with Powerful Radio Sources, American Astronomical Society Meeting, #187, #86.05.

Sokoloski^{GS}, J., Daly, R. A., & Lilly, S. J. 1994 "X-ray Luminosities of Distant Radio Selected Clusters of Galaxies," in The Soft X-Ray Cosmos, eds. E. M. Schlegel and R. Petre (New York: American Institute of Physics), 386-389.

Wan^{GS}, L., Daly, R. A., Jones^{GS}, L., & Lilly, S. J. 1994 "The Evolution of the Intracluster Medium in Clusters with Extended Radio Sources," in The Soft X-Ray Cosmos, eds. E. M. Schlegel and R. Petre (New York: American Institute of Physics), 392-395.

Daly, R. A. 1993, "A New Method of Using Powerful Extended Radio Sources for Cosmology," American Astronomical Society Meeting, #183, #67.01

Daly, R. A. 1993, "Physical Processes in Radio Galaxies," in First Light in the Universe, eds. B. Rocca-Volmerange, M. Dennefeld, B. Guiderdoni, and J. Tran Thanh Van (Editions Frontieres), 131-134.

Daly, R. A. 1993, "COBE Observations Place Interesting Constraints on the Initial Power Spectrum," in Observational Cosmology, ed. G. Chincarini, 558-561.

Daly, R. A. 1992, "Remnant Black Holes Associated with AGN Models for the High and Low-Energy X-Ray Backgrounds," in The X-Ray Background, eds. X. Barcons and A. Fabian (Cambridge: Cambridge University Press), 206-209.

Daly, R. A. 1992, "The Use of Radio Observations to Constrain the Luminosity of an Anisotropic Radiation Field in Radio Galaxies," in Testing the AGN Paradigm, (New York: American Institute of Physics), 427-430.

Daly, R. A. 1991, "Constraints Imposed by the COBE Spectral Measurements," in *After the First Three Minutes*, eds. S. S. Holt, C. L. Bennett, and V. Trimble (New York: American Institute of Physics), 77-80.

Daly, R. A. 1989, "Interpreting the 1 to 10 MeV Gamma-Ray Background," *UCLA meeting on High Resolution Gamma-Ray Cosmology*, eds. D. Cline and E. Fenyves, 203-206.

Daly, R. A. 1988, "Implications of the 1 to 10 MeV Gamma-Ray Background: A Determination of Omega or a New Particle?," in the *Proceedings of the XXIIIrd Rencontre de Moriond on Dark Matter*, eds. J. Audouze and J. Tran Thanh Van (Cedex, France: Editions Frontieres), 133-136.

Daly, R. A. 1987, "A Possible Connection between the Diffuse X-Ray Background and Large Scale Structures in the Universe," *IAU Symposium No. 130 Large Scale Structures in the Universe*, eds. J. Audouze and A. Szalay (Dordrecht: D. Reidel), 540-543.

Daly, R. A. 1987, "Some Possible Mechanisms for the Formation of Large Scale Structures in the Universe," *The Post-Recombination Universe*, eds. N. Kaiser and A. Lasenby (Dordrecht: D. Reidel), 267-270.

Additional Papers Presented at Professional Meetings

"The Properties of Very Powerful Classical Double Radio Galaxies," by R. A. Daly, July 8, 2008, at the conference "Radio Galaxies in the Chandra Era," Cambridge, MA.

"The Dark Energy Indicator: A Measure of Deviations of w from -1," by R. A. Daly, May 6, 2008, at the Space Telescope Science Institute Spring Symposium "A Decade of Dark Energy," Baltimore, MD.

"The Acceleration of the Universe and Constraints on Dark Energy," by R. A. Daly, April 16, 2005, at the "25th Annual Central Pennsylvania Consortium Astronomer's Meeting," Franklin and Marshall College, Lancaster, PA.

"Measuring the Acceleration of the Universe with Radio Galaxies and Supernovae," by R. A. Daly, January 16, 2004, at the workshop "Studies of Dark Energy and Cosmology from X-ray Cluster Surveys," Goddard Space Flight Center, MD.

"Radio Galaxies and the Acceleration of the Universe Beyond a Redshift of One," for the session "High Redshift Physics" at the COSPAR meeting "Particle Astrophysics and Cosmology: from Quarks to the Cosmos," October 11 and 12, 2002 in Houston, TX.

"Chandra Observations of 3C254," by R. A. Daly, M. Donahue, and M. P. Mory at the meeting "Two Years of Science with Chandra," September 5 and 6, 2001, Washington DC.

"FRIIb Radio Sources," Philadelphia Area Astrophysics Meeting, November 11, 2000, Philadelphia, PA

"The Enigmatic High-Energy X-Ray Background," The Multi-Mission Perspective, the 1994 Meeting of the AAS High Energy Astrophysics Division, November 1 to 5, 1994, Napa Valley, CA

"Theories of the Alignment Effect," AGN at High Redshift, August 21 to 23, 1991, Space Telescope Science Institute, Baltimore, MD

"High-Redshift Radio Galaxies: the Alignment Effect," Galaxies at High Redshift, July 30 to August 3, 1990, Department of Astrophysics, University of Oxford, Oxford, England

"The Origin of the X-Ray Background?" Workshop on the Legacy of Ya. B. Zel'dovich for Astrophysics and Cosmology, May 2 to 7, 1990, University of Kansas, Lawrence, Kansas

"Photon Diffusion from Acoustic Waves: A Possible Source of the Spectral Distortion," The Cosmic Microwave Background: 25 Years Later, June 19 to 23, 1989, L'Aquila, Italy

"A New Mechanism by which Galaxies Could Produce the High-Energy X-Ray Background," IAU Symposium No. 139, Galactic and Extragalactic Background Radiation, June 12 to 16, 1989, Heidelberg, Federal Republic of Germany

"Can the Cosmic Microwave Background Distortion be Produced in the Pre-recombination Universe?" Yale Workshop on the Cosmic Microwave Background, May 5 to 6, 1989, Yale University, New Haven, CT

"Microwave Background Fluctuations Expected in the Condensate Model," Delta T over Tea, May 1 to 3, 1987, CITA, Toronto, Canada

"Galaxy Formation in Thin Shells Surrounding Voids, and the Origin of the Diffuse X-Ray Background," American Astronomical Society 169th Meeting, January 4 to 8, 1987, Pasadena, CA

"A New Paradigm for the Formation and Evolution of Galaxies and Voids," The Early Universe Summer School, August 17 to 30, 1986, Victoria, B.C., Canada

Presented an additional 67 formal colloquia and 43 informal seminars from 1986-present.