

CURRICULUM VITAE

MARY BARSONY

Space Science Institute, Northern California Office
13115 Dupont Road, Sebastopol, CA 95472
Phone/FAX: (707)874-9055
e-mail: *barsony@spacescience.org*

EDUCATION

1989	California Institute of Technology, Ph.D. Physics
1982	Massachusetts Institute of Technology, S.B. Physics
1976	University of California at Berkeley, B.A. English Cum Laude, completed in 2 years
1975	Sorbonne, Cours de Langue et de Civilisation Francaises

PROFESSIONAL EMPLOYMENT

2003–present	Adjunct Professor of Physics & Astronomy San Francisco State University
2000–present	Staff Scientist, Space Science Institute, Boulder, CO
2003-2004	NASA Summer Faculty Fellow Ames Resarch Center, Moffett Field, CA
2001–2003	Lecturer, Department of Physics & Astronomy University of Southern California
1997-2003	Visiting Scientist, Jet Propulsion Laboratory
1998–2000	NSF POWRE Visiting Professor Physics Department Harvey Mudd College
1993–1998	Assistant Professor Department of Physics University of California, Riverside
1990–1993	Smithsonian Institution Fellow Submillimeter Interferometry Group Harvard-Smithsonian Center for Astrophysics
1988–1990	President's Fellow Astronomy Department University of California, Berkeley

AWARDS, GRANTS, AND HONORS

- 2006-2008 Principal Investigator on Spitzer Cycle 3 GO Grant:
“IRS Scan Mapping of IRAS16253-2429: A Textbook Example
for Unlocking the Secrets of Protostellar Outflows”
- 2005 Brinson Visiting Scholar at Adler Planetarium, Chicago, IL
- 2002-2005 Principal Investigator on NSF Division of Astronomy Grant:
“Rotational and Orbital Angular Momentum Evolution:
From Self-Embedded Protostars to T-Tauri Stars”
- 2003-2004 NASA Summer Faculty Fellowship
held at NASA’s Ames Research Center
“Near-Infrared Spectroscopy of Young Binaries”
- 2001 Principal Investigator on CHANDRA Cycle 3 Archival Grant:
“The Rotation X-Ray Activity Connection in the Orion
Pre-Main-Sequence Population”
- 2000 Co-Investigator on CHANDRA Cycle 2 Archival Grant:
“Outflows Associated with X-Ray Protostars in ρ Oph:
Observational Constraints to the X-Ray/Outflow Connection”
- 1998 NSF Professional Opportunities for Women in Research & Education (POWRE)
Visiting Professor at Harvey Mudd College
- 1998 Co-Investigator on NGST pre-Phase A Instrument Study:
“A Mid-Infrared Imager for NGST”
- 1997 NSF Advanced Technology & Instrumentation Program
“Acquisition of the CLaremont-Riverside InfraRed CAMera (CLRIRCAM)
for the Pomona College 1.0-meter Telescope”
- 1997, 1998, 1999 NASA/ASEE Summer Faculty Fellow
at the Jet Propulsion Laboratory (JPL)
- 1995-99 NSF Faculty Early Career Development Program (CAREER)
“Star-Formation Study at U.C. Riverside”
- 1996 ISO Guest Observer Program
“Dust Emission from Class 0 Protostars in the Serpens Cloud Core”
- 1995 California Space Institute (CalSpace) Minigrant
“Observations & Radiative Transfer Modelling of Protostellar Collapse”
- 1989-90 Co-Experimenter, NASA’s Astrophysics Data Program
“The Dust Properties of Galactic High-Mass Star-Forming Regions”
- 1986 Co-Investigator, IRAS Data Analysis Program
“An IRAS Investigation of Bipolar Molecular Outflow Sources”
- 1982 Charter Member, M.I.T. Chapter of $\Sigma\Pi\Sigma$
Honor Society of the Society of Physics Students
- 1974-76 University of California Regents’ Scholarship

PROFESSIONAL ORGANIZATIONS & SERVICE

Referee for ApJ, ApJL, AJ, A&A, & MNRAS
Member of IAU, AAS, & APS
Member, Caltech Submillimeter Observatory Time Allocation Committee (1995-present)
Chair (1996) & Member (1993-1996) NRAO Users' Committee
Member, Various NSF Astronomy Division, NASA, & HST Review Panels (1994-present)
1998 CNSF Coalition for National Science Funding
Congressional Lobbyist on behalf of U.C. Office of the President
1996-1997 U.C. President's Fellowship Selection Committee
1996-1997 Riverside Campus Representative, U.C. President's Fellowship Program
1993-1995 AAS News Committee

PUBLICATIONS

Journal Articles and Conference Proceedings

2007

Barsony, M., Greene, T.P., & Haisch, K.E. Jr., Near-Infrared Spectroscopy of Young Binaries, ApJ, in prep.

Barsony, M., The Newest Twists in Protostellar Outflows: Triggered Star Formation, IAU Symposium No. 237, Triggered Star Formation in a Turbulent ISM, eds. B.G. Elmegreen & J. Palous, in press

2006

Ybarra, J., **Barsony, M.**, Haisch, K.E. Jr., Jarrett, T.H., Sahai, R., & Weinberger, A.J., First Evidence of a Precessing Jet Excavating a Protostellar Envelope, ApJL, 647, L159

Haisch, K.E. Jr., **Barsony, M.**, & Ressler, M.E., & Greene, T.P., Mid-Infrared Observations of Class I/Flat Spectrum Systems in Six Nearby Molecular Clouds, AJ, 132, 2675

2005

Barsony, M., Ressler, M.E., & Marsh, K., A Mid-Infrared Imaging Survey of Embedded Young Stellar Objects in the ρ Ophiuchi Cloud Core, ApJ, 630, 381

Barsony, M., Ressler, M.E., & Marsh, K., Results on Envelope and Disk Dispersal from a New Mid-Infrared Survey of the ρ Ophiuchi Cloud Core, Protostars & Planets V, Proceedings of the Conference held Oct. 24-28, 2005 in Hilton Waikoloa Village, Hawaii, LPI Contribution No. 1286, p.8622

Ybarra, J.E. **Barsony, M.**, Haisch, K.E. Jr., Jarrett, T.H., Sahai, R., & Weinberger, A.J., A Precessing Jet Excavating a Protostellar Envelope, Protostars & Planets V, Proceedings of the Conference held Oct. 24-28, 2005 in Hilton Waikoloa Village, Hawaii, LPI Contribution No. 1286, p.8419

Barsony, M. Identifying Molecular Outflow Drivers Using High-Resolution NIR Spectroscopy, High-Resolution Infrared Spectroscopy in Astronomy: Proceedings of an ESO Workshop Held at Garching, Germany, 18-21 November 2003, ESO Astrophysics Symposia, eds. H.U. Käufl, R. Siebenmorgen, & A.F.M. Moorwood, Springer-Verlag Berlin/Heidelberg, p.125

2004

Phelps, R. & **Barsony, M.**, Herbig-Haro Flows in Ophiuchus, *AJ*, 127, 420

Stassun, K., Ardila, D., **Barsony, M.**, Basri, G., & Mathieu, R.D. , X-Ray Properties of Pre-Main-Sequence Stars in the Orion Nebular Cluster with Known Rotation Periods, *AJ*, 127, 3537

Haisch, K.E. Jr., Greene, T.P., **Barsony, M.**, & Stahler, S.W. , A Near-Infrared Multiplicity Survey of Class I/Flat Spectrum Systems in Six Nearby Molecular Clouds, *AJ*, 127, 1747

Balog, Z., Kenyon, S.J., Lada, E.A., **Barsony, M.**, Vinkó, J., Gáspár, A., A Near-Infrared (JHK) Survey of the Vicinity of the HII Region NGC 7538: Evidence for a Young Embedded Cluster, *AJ*, 128, 2942

Lipkin, Y.M., Ofek, E.O., Gal-Yam, A., Leibowitz., E.M., Poznanski, D., Kaspi, S., Polishook, D., Kulkarni, S.R., Fox, D.W., Berger, E., Mirabal, N., Halpern, J., Bureau, M., Fathi, K., Price, P.A., Peterson, B.A., Frebel, A., Schmidt, B., Orosz, J.A., Fitzgerald, J.B., Bloom, J.S., van Dokkum, P.G., Baily, C.D., Buxton, M.M., & **Barsony, M.**, The Detailed Optical Light Curve of GRB 030329, *ApJ*, 606, L381

2003

Barsony, M., Koresko, C., & Matthews, K., A Search for Close Binaries in the ρ Ophiuchus Star-Forming Region, *ApJ* 591 1064

Wolf-Chase, G.A., Moriarty-Schieven, G., Fich, M., & **Barsony, M.**, Star Formation in Massive Proclusters in the Monoceros OB1 Dark Cloud, *MNRAS*, 344, 809

Ressler, M.E. & **Barsony, M.**, Structure of the Mid-Infrared Emitting Disk around WL16, *ApJ*, 584, 832

Balog, Z., Kenyon, S.J., Lada, E.A., & **Barsony, M.**, Near-Infrared (JHK) Photometric Survey of NGC 7538, *ASP Conf. Ser.* 287, pp. 445-450

2002

Barsony, M., Greene, T.P., & Blake, G.A., A Tidally Interacting Disk in the Young Triple System, WL20? *ApJL* 572 L75

Haisch, K.E., Jr., **Barsony, M.**, Greene, T.P., & Ressler, M.E., An Infrared Multiplicity Survey of Class I/Flat Spectrum Systems in the ρ Ophiuchi and Serpens Molecular Clouds, *AJ*, 124, 284

2001

Ressler, M. & **Barsony, M.** A Luminous Infrared Companion in the Young Triple System, WL20, *AJ*, 121, 1098

Barsony, M., Wolf-Chase, G.A., O'Linger, J., Giant Molecular Outflows in the L1448 Class 0 Cluster, From Darkness to Light: Origin and Evolution of Young Stellar Clusters, eds. T. Montmerle & P. André, *ASP Conf. Ser.* Vol. 243, p.335

Barsony, M., Wolf-Chase, G., O'Linger, J., Giant CO Flows Powered by Protostars in L1448, Science with the Atacama Large Millimeter Array, ed. A. Wootten, *ASP. Conf. Ser.* Vol. 235, p.103

2000

Barsony, M. & Whitney, B. Mid-Infrared NGST Studies of Protostars, NGST Science & Technology Exposition, 13–17 September 1999, Hyannis, MA, eds. E.P. Smith & K.S. Long, ASP Conf. Ser., Vol. 207, p. 397

Barsony, M. & Ressler, M.E., Mid-Infrared Imaging of Young, Multiple Systems in ρ Oph and Serpens, IAU Symposium 200 on The Formation of Binary Stars, 10–15 April 2000, Potsdam, Germany, eds. B. Reipurth & H. Zinnecker, p. 47

Ressler, M.E. & **Barsony, M.**, A Cold, Luminous Object in the Triple System, WL20, IAU Symposium 200 on The Formation of Binary Stars, 10–15 April 2000, Potsdam, Germany, eds. B. Reipurth & H. Zinnecker, p. 44

Wolf-Chase, G., **Barsony, M.**, & O’Linger, J., Giant Molecular Outflows Powered by Protostars in L1448, AJ, 120, 1467

André, Ph., Ward-Thompson, D., & **Barsony, M.**, From Pre-Stellar Cores to Protostars: The Initial Conditions of Star Formation, in Protostars & Planets IV, eds. V. Mannings & S. Russell, Tucson: Univ. of Arizona Press, p. 59

Güsten, R., Wootten, A.H., & **Barsony, M.**, First Results with CHAMP, the Carbon Heterodyne Array of the MPIfR, in Imaging at Radio through Submillimeter Wavelengths, eds. J Mangum & S.J.E. Radford, ASP Conf. Ser. Vol. 217

1999 Mangum, J.G., Wootten, A.H., & **Barsony, M.**, The Kinetic Temperature Structure within NGC 2024, ApJ, 526, 845

O’Linger, J., Wolf-Chase, G., **Barsony, M.**, & Ward-Thompson, D., L1448 IRS2: A HIREs-Identified Class 0 Protostar, ApJ, 515, 698

1998 **Barsony, M.**, Ward-Thompson, D., André, P. & O’Linger, J., Protostars in Perseus: Outflow Induced Fragmentation, ApJ, 509, 733

Wolf-Chase, G.A., **Barsony, M.**, Wootten, A.H., Ward-Thompson, D., Lowrance, P., Kastner, J., & McMullin, J.P., The Protostellar Origin of a CS Outflow in S68N, ApJL, 501, L193

Chandler, C.J., **Barsony, M.**, & Moore, T.J.T., The Circumstellar Envelopes around Three Protostars in Taurus, MNRAS, 299, 789

Kenyon, S.J., Lada, E.A., & **Barsony, M.**, The Near-Infrared Extinction Law and Limits on the Pre-Main-Sequence Population of the ρ Ophiuchi Dark Cloud, AJ, 115, 252

1997

Barsony, M., Kenyon, S.J., Lada, E.A., & Teuben, P., A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core, ApJS, 112, 109

Barsony, M., A Cluster of Class 0 Protostars in Serpens, in The Interaction of Stars with their Environment, Proceedings of the Workshop & Spring School held at Visegrád, Hungary, 23–25 May 1997, eds. V.L. Toth, Kún, M., & L. Szabados, Communications from the Konkoly Observatory of the Hungarian Academy of Sciences: Budapest, p.189

Mangum, J.G., Wootten, A.H., & **Barsony, M.**, The Kinetic Temperature Structure within NGC2024, in the Poster Proceedings of the IAU Symp. 182 on Herbig-Haro Objects & the Birth of Low Mass Stars, held 20–24 January 1997 in Chamonix, France, eds., F. Malbet & A. Castets, p. 18

- 1996 Barsony, M.**, Hurt, R., & Wootten, A., Potential Protostars in Cloud Cores: H₂CO Observations of Serpens, in CO: Twenty-Five Years of Millimeter-Wave Spectroscopy, eds. W.B. Latter, S.J.E. Radford, P.R. Jewell, J.G. Mangum, & J. Bally IAU Symposium No. 170, Kluwer Academic: Dordrecht
- Barsony, M.** & Hurt, R.L., IRAS HIRES Images of the Serpens Core, in the ESO Workshop on The Role of Dust in the Formation of Stars, ed. H.U. Kaufl & R. Siebenmorgen, Springer-Verlag, p. 101
- Chandler, C.J., Terebey, S., **Barsony, M.**, & Moore, T.J.T., Compact Outflows Associated with TMC1 and TMC1A, ApJ, 471, 308
- Hurt, R.L. & **Barsony, M.**, A Cluster of Class 0 Protostars in Serpens: An IRAS HIRES Study, ApJL, 460, L45
- Hurt, R.L., **Barsony, M.**, & Wootten, A., Potential Protostars in Cloud Cores: H₂CO Observations of Serpens, ApJ, 456, 686
- Barsony, M.**, Hurt, R., & Wootten, A., Protostars in Cloud Cores: H₂CO Observations of Serpens, in Radio Emission from the Stars and the Sun, eds. J.M. Paredes & R. Taylor, ASP Conf. Ser. 93, 95
- 1995 Barsony, M.**, Sasselov, D.D., Bloemhof, E.E., & Nyman, L.-Å, Millimeter-Wave Observations of H₂CO in ρ Oph B1, in the 2nd Cologne-Zermatt Symposium on the Physics and Chemistry of Interstellar Molecular Clouds, eds. G. Winnewisser & G.C. Pelz, Springer Verlag: Berlin, 160
- 1994 Barsony, M.**, Class 0 Protostars, in Clouds, Cores, & Low-Mass Stars, Proc. of the 4th Haystack Conference, 18–20 May 1994, Westford, MA, eds., D.P. Clemens & R. Barvainis, ASP Conf. Series, Vol. 65, p. 197
- Barsony, M.**, Kinematics of the Densest Known Prestellar Condensations: H₂CO Studies of ρ Oph B1, in Circumstellar Matter, 29 Aug.–2 Sept. 1994, Edinburgh, Scotland, eds. G. Watt & P.M. Williams, Kluwer Academic: Dordrecht, p. 51
- Chandler, C.J., Terebey, S., **Barsony, M.**, & Moore, T., The Small-Scale Outflow Structure of Embedded Sources in Taurus, in Circumstellar Matter, 29 Aug.–2 Sept. 1994, Edinburgh, Scotland, eds. G. Watt & P.M. Williams, Kluwer Academic: Dordrecht, p. 109
- Hurt, R.L., **Barsony, M.**, & Wootten, A., Potential Protostars in Cloud Cores: H₂CO Observations of Serpens, in Circumstellar Matter, 29 Aug.–2 Sept. 1994, Edinburgh, Scotland, eds. G. Watt & P.M. Williams, Kluwer Academic: Dordrecht, p. 489
- Aspin, C. & **Barsony, M.**, Near-IR Imaging Photometry of the J–K>4 Sources in the LkH α 101 Infrared Cluster, A&A, 288, 8493
- 1993 André, P.**, Ward-Thompson, D. & **Barsony, M.**, Submillimeter Continuum Observations of ρ Oph A: The Candidate Protostar VLA1623 and Pre-Stellar Clumps, ApJ, 406, 122
- Barsony, M.**, Scoville, N. Z., & Chandler, C. J., Detection of Magnetohydrodynamic Shocks in the L1551 Outflow, ApJ, 409, 275
- Schombert, J.M., **Barsony, M.**, & Hanlan, P., Low-Mass Star Formation in Cooling Flow Galaxies, ApJL, 416 L61
- Schombert, J.M., Hanlan, P.C., **Barsony, M.**, & Rakos, K.D., Metallicity Gradients in Early-Type Galaxies, AJ, 106, 923

- 1993 Barsony, M.** & Chandler, C.J., The Circumstellar Density Distribution of L1551NE, *ApJL*, 406, L71
- Barsony, M.**, Scoville, N.Z., & Chandler, C. J., Detection of Magnetohydrodynamic Shocks in the L1551 Outflow, in *Astronomy with Millimeter and Submillimeter Wave Interferometry*, IAU Coll. No. 140, eds., M. Ishiguro & Wm. J. Welch, ASP Conf. Series Vol. 59, p. 222
- 1992 Kawabe, R.**, Suzuki, M., Hirano, N., Akabane, K., **Barsony, M.**, Najita, J., Kameya, O., & Ishiguro, M., Aperture Synthesis CS Observations of NGC 7538 IRS1–3: Ring of Dense Gas around IRS1, *PASJ*, 44, 435
- Barsony, M.** & Kenyon, S.J., On the Origin of Submillimeter Emission from Young Stars in Taurus-Auriga, *ApJL*, 384, L53
- 1991 Barsony, M.**, Schombert, J.M., & Kis-Halas, K., The LkH α 101 Infrared Cluster, *ApJ*, 379, 221
- Barsony, M.**, The LkH α 101 Infrared Cluster, in *Young Star Clusters and Early Stellar Evolution*, ed. F. Palla, *Memorie della Società Astronomica Italiana*, Vol. 62, No. 4, pp. 725–730
- 1990 Barsony, M.**, Scoville, N. Z., Schombert, J.M., & Claussen, M.J., The Circumstellar Environment of the Emission–Line Star, LkH α 101, *ApJ*, 362, 674
- Barsony, M.** & Najita, J., The Dust Properties of Galactic High-Mass Star-Forming Regions, in *Dusty Objects in the Universe*, eds. E. Bussoletti & A.A. Vittone, Kluwer Academic Publishers: Dordrecht, pp. 181–187
- Barsony, M.**, The 2 μ m Luminosity Function of the ρ Ophiuchi Cloud Core, in *Astrophysics with IR Arrays*, ed. R. Elston, ASP Conf. Series, Vol. 14, pp. 249–251
- 1989 Barsony, M.**, Burton, M., Russell, A., Carlstrom, J., & Garden, R., Discovery of New 2 μ m Sources in ρ Ophiuchi, *ApJL*, 346, L93
- Barsony, M.**, A Close-Up View of the S87 Molecular Outflow, *ApJ*, 345, 268
- Barsony, M.**, Scoville, N. Z., Bally, J., & Claussen, M., No Molecular Gas Disk in S106, *ApJ*, 343, 212
- Barsony, M.**, New OVRO Results Show Disks Are Not Necessary for Focussing Bipolar Outflows, in “Structure and Dynamics of the Interstellar Medium,” IAU Colloquium No. 120, eds. G. Tenorio-Tagle, M. Moles, & J. Melnick, Springer-Verlag: Berlin, pp. 303–304
- 1988 Barsony, M.**, Outflows from Massive, Pre-Main Sequence Objects: Results from the OVRO Millimeter Wave Array, in *Proceedings of the Kona Symposium on Millimetre and Submillimetre Astronomy* eds. G.D. Watt & A.S. Webster, Kluwer Academic Publishers: Dordrecht, pp. 193–194
- 1986 Barsony, M.**, Millimeter–Wave Emission from Three Galactic Star–Forming Regions, in *Star Formation in Galaxies, NASA Conference Publication No. 2466*, U.S. Government Printing Office: Washington, D.C., pp. 79–82
- Barsony, M.**, Lutz, B., & Mould, J.R., High–Resolution Spectroscopy of the Unique Eclipsing Binary System, Epsilon–Aurigae, *PASP*, 98, 637
- 1984 Wilkinson, D.** & **Barsony, M.**, Monte Carlo Study of Invasion Percolation Clusters in Two and Three Dimensions, *J. Phys. A: Math. Gen.*, 17, L129

Abstracts

- “Near-Infrared Spectroscopy of Young Binaries,” 2006,
Barsony, M., Greene, T.P., & Haisch, K.E. Jr.,
BAAS, Vol. 38, No. 4, p.1204
- “A Mid-Infrared Survey of Class I/Flat Spectrum Binary/Multiple Systems,” 2006
Haisch, K.E. Jr., **Barsony, M.**, Ressler, M.E., & Greene, T.P.,
BAAS, Vol. 38, No. 4, p.945
- “Protostellar Outflows in Spitzer Data,” 2005,
Barsony, M., O’Linger, J., Wolf-Chase, G.A., Arce, H.,
Bally, J., Ciardi, D.R., Cole, D.M., Cotera, A., Froebrich, D.,
Goodman, A.A., Hines, D., Haisch, K.E., Jr., Hurt, R.L., Jarrett, T.H.,
Moriarty-Schieven, G., Phelps, R.L., Ressler, M.E., Sahai, R.,
Smith, M.D., Walawender, J., & Ybarra, J.E.,
BAAS, Vol. 37, No. 4, p.1251
- “Mid-Infrared Observations of Class I/Flat Spectrum Systems
in Six Nearby Molecular Clouds,” 2005,
Haisch, K.E. Jr., **Barsony, M.**, Greene, T.P. & Ressler, M.E.,
BAAS, Vol. 37, No. 4, p.1476
- “A Ground-Based Mid-Infrared Imaging Survey of Embedded Young Stellar Objects
in the ρ Ophiuchi Cloud Core,” 2004,
Barsony, M., Ressler, M.E., & Marsh, K.A.,
AAS 205 156.01
- “Near-Infrared Outflows in the ρ Ophiuchi Cloud” 2004,
Ybarra, J.E. & **Barsony, M.**,
AAS 205 136.04
- “The Origin of X-rays in Pre-Main-Sequence Stars” 2004,
Stassun, K.G., Ardila, D.R., **Barsony, M.**, Basri, G. & Mathieu, R.,
AAS 205 105.09
- “Herbig-Haro Flows in Ophiuchus” 2003,
Barsony, M. & Phelps, R.,
AAS 203 98.04
- “Mid-Infrared Observations of Class I/Flat Spectrum Objects
in the ρ Ophiuchi, Serpens, and Chamaeleon I & II Dark Clouds,”
Springsteen, S. , Haisch, K., Jr., **Barsony, M.**, Greene, T.P., & Jayawardhana, R.,
AAS 203 94.07
- “A Ground-Based Mid-IR Imaging Survey of Embedded Young Sources
in the Rho Ophiuchi Cloud Core,” 2002,
Barsony, M., Ressler, M.E., & Marsh, K.,
AAS 201 60.05
- “DoAr24E & Elias 26: Shedding Light on Pre-Main-Sequence Binary Evolution,” 2001,
Barsony, M., Koresko, C.D., & Matthews, K.,
BAAS, Vol. 34, No. 4
- “A Near/Mid-Infrared Imaging Survey for Protostellar
Binaries in Rho Ophiuchus and Serpens,” 2001
Haisch, K.E., Jr., Greene, T.P., **Barsony, M.**, & Ressler, M.,
BAAS, Vol. 32, No. 4

“Constraining Pre-Main-Sequence Evolutionary Tracks via Near/Mid-Infrared Observations of Young Binaries,” 2000

Barsony, M. & Ressler, M.E.,
BAAS, Vol. 32, No. 4

“Mid-Infrared Astronomy with the NGST,” 1999,
Serabyn, E., **Barsony, M.**, Ressler, M., Werner, M., Armus, L., Shupe, D., Xu, C.,
Backman, D., Ho, L., Koerner, D., van Dishoeck, E., & Wynn-Williams, C.G.,
BAAS, Vol. 31, No. 3, p. 835

“SCUBA and HIRES Results for Protostellar Cores in the MonOB1 Dark Cloud,” 1999,
Wolf-Chase, G., Moriarty-Schieven, G., Fich, M., & **Barsony, M.**,
BAAS, Vol. 31, No. 3, p.931-932

“Keck II Mid-IR Imaging of WL16: A Deeply Embedded
Herbig Ae Star with an Extensive PAH Disk,” 1998,
Barsony, M. & Ressler, M.,
BAAS, Vol. 30, No. 4, 1382

“Giant Molecular Outflows Associated with Class 0 Protostars,” 1998,
Wolf-Chase, G.A., **Barsony, M.** & O’Linger, J.,
BAAS, Vol. 30, No. 4, 1426

“A Mid-Infrared Camera for the NGST,” 1998,
Serabyn, E., Ressler, M.E., Macenka, S., Redding, D., Liu, K.,
Bowman, B., Lindensmith, C.A., Bhandari, P., Shupe, D., Armus, L.
Barsony, M. & van Dishoeck, E.,
BAAS, Vol. 30, No. 4, 1297

“Protostars in Perseus,” 1997,
Barsony, M., Ward-Thompson, D., André, P., & O’Linger, J.,
BAAS, Vol. 29, No. 5, 1361

“ ρ Ophiuchi Cloud Core Extinction Map,” 1997,
Gibson, D., Rudolph, A., & **Barsony, M.**,
BAAS, Vol. 29, No. 5, 1220

“Putting HIRES to the Test: Simulations and Observations
of a Class 0 Object in Perseus,” 1997,
O’Linger, J.C., Wolf-Chase, G.A., & **Barsony, M.**,
BAAS, Vol. 29, No. 5, 1221

“Cluster Birth: New SCUBA and CS Results in S68N,” 1997
Wolf-Chase, G.A., **Barsony, M.**, Wootten, A.H., Ward-Thompson, D.,
Lowrance, J., Kastner, J.H., & McMullin, P.,
BAAS, Vol. 29, No. 5, 1221

“A Near-Infrared Imaging Survey of the ρ Ophiuchi Cloud Core,” 1996,
Barsony, M., Kenyon, S.J., Lada, E.A., & Teuben, P.,
BAAS, Vol. 28, No. 4, 1394

“Classification of Candidate Protostars in Perseus Using HIRES Point
Source Modelling,” 1996,
O’Linger, J.C., **Barsony, M.**, Ward-Thompson, D., & André, P.,
BAAS, Vol. 28, No. 4, 1414

“Better Determination of the SED of Selected Sources in ρ Oph,” 1996
Casement, S.L., **Barsony, M.**, & Ressler, M.,
BAAS, Vol. 28, No. 4, 1338

- “Hot H₂CO: Observations of Formaldehyde at 650 GHz,” 1996
Wootten, A.H., Mangum, J.G., & **Barsony, M.**,
BAAS, Vol. 28, No. 4, 1415
- “In Search of the Youngest Protostars:
IRAS HIRES Results in the Serpens Cloud Core,” 1995,
Hurt, R.L. & **Barsony, M.**,
BAAS, Vol. 27, No. 4, 1376
- “Probing the ρ Oph A and ρ Oph B1 Pre-Stellar Cores with H₂CO,” 1992,
Barsony, M., Bloemhof, E., Sasselov, D.D., & Nyman, L.-A.,
BAAS, Vol. 24, No. 4, 1263
- “On the Origin of Submillimeter Emission from Young Stars in Taurus-Auriga,” 1991,
Barsony, M. & Kenyon, S.J.,
BAAS, Vol. 23, No. 4, 1445
- “The Young Star Cluster in LkH α 101,” 1990,
Barsony, M., Kis-Halas, K., & Schombert, J.M.,
BAAS, Vol. 22, No. 4, 1269
- “Discovery of New 2 μ m Sources in ρ Ophiuchi,” 1989,
Barsony, M., Carlstrom, J.E., Burton, M., Russell, A., & Garden, R.,
BAAS, Vol. 21, No. 4, 1102
- “Outflows in High Mass Star Forming Regions,” 1988,
Barsony, M.,
BAAS, Vol. 20, No. 4, 1067.
- “High-Resolution Maps of Bipolar Molecular Outflow Regions:
Results from the OVRO Millimeter Wave Array,” 1985,
Barsony, M. & Scoville, N.Z.,
BAAS, Vol. 17, No. 4, 862

Reviews

- “Discovery of Superluminal Jets in Galaxy Reveals Black Hole,”
Barsony, M., in *Physics in 1995*
booklet published by the American Institute of Physics: Washington, D.C.
- “Milky Way Galaxy’s Newest Neighbor Found,”
Barsony, M., in *Physics in 1994*
booklet published by the American Institute of Physics: Washington, D.C.
- “Circumstellar Dust: Disks and Protostars,”
Barsony, M., in *Physics in 1993*
booklet published by the American Institute of Physics: Washington, D.C.

Reports

- “A Mid-Infrared Camera for the Next Generation Space Telescope,”
A Report to the National Aeronautics and Space Administration, 1999,
Serabyn, G., Armus, L., Backman, D.E., **Barsony, M.**, Beichman, C.A.,
Bowman, R.C., Crumb, D., Haiman, Z., Ho, L.C., Koerner, D.W., Lindensmith, C.A.,
Macenka, S.A., Malkan, M.A., Oh, S.P., Orton, G.S., Ressler, M.E., Raouf, N.A.,
Shupe, D.L., van Dishoeck, E.F., Werner, M.W., Whitney, B., Woodruff, R.A., & Xu, C.
http://ngst.gsfc.nasa.gov/public/configured/doc_551_1/Serabyn_MIRCamera.pdf
- “Report of the 1996 National Radio Astronomy Observatory (NRAO)
Users’ Committee”, **Barsony, M.**, redacted version appears in the
1996 October issue of the *NRAO Newsletter*