

Bibliography from ADS file: schmelz.bib
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- Verschuur, G. L. & Schmelz, J. T., “Gaussian Decomposition of $\lambda 21$ cm HI profiles, the Critical Ionization Velocity, and the Interstellar Helium Abundance”, 2022ApJ...934...187V ADS
- Schmelz, J. T. & Verschuur, G. L., “The Origin and Distance of the High-Velocity Cloud M1”, 2022arXiv220708707S ADS
- Guerra Aguilera, J., López-Rodríguez, E., Chuss, D., Butterfield, N., & Schmelz, J., “The Effect of Shear Flows on the Davis-Chandrasekhar-Fermi Approximation”, 2022AAS...24014309G ADS
- De Buizer, J. & Schmelz, J., “Episodic Accretion in High-Mass Protostars”, 2022SSNew...7...4D ADS
- Schmelz, J. & Proudfit, L.: 2021, *SOFIA Science: Remarkable Results*, Report of recent studies by the Stratospheric Observatory for Infrared Astronomy (SOFIA), November 2021, 12 pages. 2021ssrr.rept...1S ADS
- Schmelz, J. & Jackson, J., “Episodic Accretion in Massive Star Formation”, 2021SSNew...6...5S ADS
- López-Rodríguez, E., Guerra, J. A., Asgari-Targhi, M., & Schmelz, J. T., “The Strength and Structure of the Magnetic Field in the Galactic Outflow of Messier 82”, 2021ApJ...914...24L ADS
- Verschuur, G. L., Schmelz, J. T., & Asgari-Targhi, M., “ $\lambda 21$ -cm Interstellar HI Profiles, Critical Ionization Velocities, and Derived Electron Densities”, 2021ITPS...49.1669V ADS
- Morris, M. R., Dowell, C. D., Chuss, D. T., & Schmelz, J. T., “The Geometry of the Magnetic Field in the Central Five Parsecs of the Galaxy”, 2021cosp...43E1251M ADS
- Guerra Aguilera, J., López Rodríguez, E., Schmelz, J., & Asgari Targhi, M., “Magnetic Field of the Galaxy M82”, 2021AAS...23722805G ADS
- Verschuur, G. & Schmelz, J., “The neutral hydrogen structure of an interstellar H-alpha filament”, 2021AAS...23711202V ADS
- Schmelz, J. T. & Verschuur, G. L., “Where is the Missing Galactic Hydrogen?”, 2021AAS...23711007S ADS
- Schmelz, J., Dowell, C., Chuss, D., et al., “The Dominance of the Magnetic Field in the Central Five Parsecs of the Galaxy”, 2020AAS...23630606S ADS
- Verschuur, G. L. & Schmelz, J. T., “Gaussian Decomposition of textbackslashlambda21-cm Interstellar HI profiles”, 2020arXiv200409328V ADS
- Verschuur, G. L., Schmelz, J. T., & Asgari-Targhi, M., “The Role of the Critical Ionization Velocity Effect in Interstellar Space and the Derived Abundance of Helium”, 2020arXiv200405257V ADS
- Dowell, C. D., Chuss, D. T., Guerra, J. A., et al., “The Spiral Magnetic Field in the Central 5 Parsecs of the Galaxy”, 2019AAS...23431605D ADS
- Schmelz, J. T. & Verschuur, G. L., “Hydrogen, Helium, and Magnetic Fields in Interstellar Space”, 2019AAS...23431602S ADS
- Schmelz, J. T., “Introduction to Magnetic Fields and Filaments in Star Formation”, 2019AAS...23312701S ADS
- Verschuur, G., Schmelz, J. T., & Asgari-Targhi, M., “Interstellar HI: Filaments and threads”, 2019AAS...23311107V ADS
- Verschuur, G. L., Schmelz, J. T., & Asgari-Targhi, M., “Interstellar Matters: Neutral Hydrogen and the Galactic Magnetic Field”, 2018ApJ...867...139V ADS
- Rivera-Valentín, E. G. & Schmelz, J. T., “Arecibo weathers the storm”, 2018NatAs...2...264R ADS
- Verschuur, G. L. & Schmelz, J. T., “The Complexities of Interstellar Dust and the Implications for the Small-scale Structure in the Cosmic Microwave Background”, 2018ApJ...853...137V ADS
- Verschuur, G., Schmelz, J. T., & Asgari-Targhi, M., “Interstellar Matters: Neutral Hydrogen and the Galactic Magnetic Field”, 2018AAS...23121208V ADS
- Schmelz, J. T. & Verschuur, G., “The Implications of Interstellar Dust for the Cosmic Microwave Background”, 2018AAS...23111606S ADS
- Chastain, S. I. & Schmelz, J. T., “A Comparison of EIT and TRACE Loop Widths”, 2017arXiv170506776C ADS
- Schmelz, Joan T. Verschuur, G. L., “Arecibo Under the Gun”, 2017S&T...133e...84S ADS
- Verschuur, G. L. & Schmelz, J. T., “Cosmic Microwave Background Small-Scale Structure: II. Model of the Foreground Emission”, 2017AAS...22932306V ADS
- Schmelz, J. T. & Verschuur, G. L., “Cosmic Microwave Background Small-Scale Structure: I. Observations of the Foreground Emission”, 2017AAS...22932305S ADS
- Schmelz, J. T., “Cutting-Edge Science from Arecibo Observatory: Introduction”, 2017AAS...22910901S ADS
- Schmelz, J. T., Christian, G. M., & Matheny, P. O., “Hot Plasma from Solar Active-Region Cores: Constraints from the Hinode X-Ray Telescope”, 2016ApJ...833...182S ADS
- Verschuur, G. L. & Schmelz, J. T., “On the Nature of the Small-scale Structure in the Cosmic Microwave Background Observed by PLANCK and WMAP”, 2016ApJ...832...98V ADS
- Schmelz, J. T., Christian, G. M., & Chastain, R. A., “The Coronal Loop Inventory Project: Expanded Analysis and Results”, 2016ApJ...831...199S ADS
- Poduval, B. & Schmelz, J. T., “Multiwavelength Characteristics of Microflares”, 2016usc.confE.116P ADS
- Taylor, P. A., Richardson, J. E., Rivera-Valentin, E. G., et al., “Radar Observations of Near-Earth Asteroids from Arecibo and Goldstone”, 2016LPI...47.2772T ADS
- Zambrano Marin, L. F., Rivera-Valentin, E. G., Schmelz, J., et al., “The Arecibo Observatory Space Academy: 4 Years of STEAM Engagement”, 2016LPI...47.2617Z ADS
- Taylor, P. A., Nolan, M. C., Rivera-Valentin, E. G., et al., “The Arecibo Observatory Planetary Radar System”, 2016LPI...47.2534T ADS
- Asgari-Targhi, M., Imada, S., & Schmelz, J. T., “Modeling of magnetically confined plasma in hot coronal loops”, 2015AGUFMSh13C2452A ADS
- Schmelz, J. T., Pathak, S., Christian, G. M., Dhaliwal, R. S. S., & Paul, K. S., “The Coronal Loop Inventory Project”, 2015ApJ...813...71S ADS
- Asgari-Targhi, M., Schmelz, J. T., Imada, S., Pathak, S., & Christian, G. M., “Modeling of Hot Plasma in the Solar Active Region Core”, 2015ApJ...807...146A ADS
- Schmelz, J. T., Asgari-Targhi, M., Christian, G. M., Dhaliwal, R. S., & Pathak, S., “Hot Plasma from Solar Active Region Cores: A Test of AC and DC Coronal Heating Models?”, 2015ApJ...806...232S ADS
- Schmelz, J. T. & Winebarger, A. R., “What can observations tell us about coronal heating?”, 2015RSPTA.37340257S ADS
- Schmelz, J. T., Pathak, S., Brooks, D. H., Christian, G. M., & Dhaliwal, R. S., “Hot Topic, Warm Loops, Cooling Plasma? Multithermal Analysis of Active Region Loops”, 2014ApJ...795...171S ADS
- Schmelz, J. T., Pathak, S., Dhaliwal, R. S., Christian, G. M., & Fair, C. B., “The Flow-chart Loop: Temperature, Density, and Cooling Observables Supporting Nanoflare Coronal Heating Models”, 2014ApJ...795...139S ADS
- Schmelz, J. T., “Grand Unified Speculation: Coronal Cooling & Multi-thermal Analysis of AIA Loops”, 2014AAS...22432327S ADS
- Schmelz, J. T., Winebarger, A. R., Kimble, J. A., et al., “Bright Points: Multithermal Analysis as a Test of Steady Heating Models”, 2013ApJ...770...160S ADS
- Schmelz, J. T., Jenkins, B. S., & Pathak, S., “Atmospheric Imaging Assembly Observations of Coronal Loops: Cross-field Temperature Distributions”, 2013ApJ...770...14S ADS
- Schmelz, J. T. & Pathak, S., “Multithermal Analysis of Coronal Loops Using SDO-AIA Data”, 2013AAS...22211603S ADS
- Schmelz, J. T., Jenkins, B. S., & Kimble, J. A., “Atmospheric Imaging Assembly Response Functions: Solving the Fe VIII Problems with Hinode EIS Bright Point Data”, 2013SoPh...283...325S ADS
- Poduval, B., DeForest, C. E., Schmelz, J. T., & Pathak, S., “Point-spread Functions for the Extreme-ultraviolet Channels of SDO/AIA Telescopes”, 2013ApJ...765...144P ADS
- Schmelz, J. T., Pathak, S., Jenkins, B. S., & Worley, B. T., “Deeper by the Dozen: Understanding the Cross-field Temperature Distributions of Coronal Loops”, 2013ApJ...764...53S ADS
- Schmelz, J. T., Kimble, J. A., & Saba, J. L. R., “Deriving Plasma Densities and Elemental Abundances from SERTS Differential Emission Measure Analysis”, 2012ApJ...757...17S ADS
- Schmelz, J. T. & Pathak, S., “The Cold Shoulder: Emission Measure Distributions of Active Region Cores”, 2012ApJ...756...126S ADS
- Schmelz, J. T., Reames, D. V., von Steiger, R., & Basu, S., “Composition of the Solar Corona, Solar Wind, and Solar Energetic Particles”, 2012ApJ...755...33S ADS
- Saar, S. H., Schmelz, J. T., & Kashyap, V. L., “Spatial and Thermal Study of an Isolated Loop with XRT and EIS”, 2012ASPC...454...241S ADS
- Saar, S. H. & Schmelz, J. T., “Combined XRT and AIA Differential Emission Measure Analysis of Active Region Loops and Weak Flares”, 2012ASPC...455...353S ADS
- Schmelz, J. T. & Jenkins, B. S., “SDO-AIA Response Functions: Insights and Updates from Hinode EIS Bright Point Data”, 2012AAS...22030902S ADS
- Jenkins, B. & Schmelz, J., “AIA Multithermal Analysis of Coronal Loops”, 2012AAS...22020715J ADS
- DeForest, C., Poduval, B., & Schmelz, J., “Fix Up Your AIA Images: A Complete Empirically Determined Set of PSFs And Their Inverses for the AIA EUV Channels”, 2012AAS...22020704D ADS
- Garst, J. W., Schmelz, J., & Kimble, J., “Temperature Analysis of an Active Region Core Loop Using AIA and XRT Data”, 2012AAS...22020208G ADS
- Worley, B. T., Schmelz, J. T., & Pathak, S., “Multithermal Analysis of EIS Coronal Loops”, 2012AAS...22020116W ADS

- Winebarger, A. R., Warren, H. P., Schmelz, J. T., et al., "Defining the "Blind Spot" of Hinode EIS and XRT Temperature Measurements", 2012ApJ...746L..17W ADS
- Winebarger, A. R., Schmelz, J. T., Warren, H. P., Saar, S. H., & Kashyap, V. L., "Using a Differential Emission Measure and Density Measurements in an Active Region Core to Test a Steady Heating Model", 2011ApJ...740...2W ADS
- Schmelz, J. T., Worley, B. T., Anderson, D. J., et al., "Isothermal and Multithermal Analysis of Coronal Loops Observed with Atmospheric Imaging Assembly. II. 211 Å Selected Loops", 2011ApJ...739...33S ADS
- Schmelz, J. T., Rightmire, L. A., Saar, S. H., et al., "Warm and Fuzzy: Temperature and Density Analysis of an Fe XV EUV Imaging Spectrometer Loop", 2011ApJ...738..146S ADS
- Kimble, J. & Schmelz, J. T., "Cross-calibration Of EIS And XRT Using Coronal Bright Points", 2011AAS...21822421K ADS
- Jenkins, B. & Schmelz, J., "Analysis of Full Coronal Loops Observed with the Atmospheric Imaging Assembly", 2011AAS...21822419J ADS
- Pathak, S. & Schmelz, J., "Observing Isothermal and Multithermal Coronal Loops using SDO-AIA", 2011AAS...21822418P ADS
- Worley, B. T. & Schmelz, J. T., "Temperature Analysis of 171-Å Coronal Loops", 2011AAS...21822417W ADS
- Schmelz, J. T., "Resolving the Coronal Loop Controversy with AIA", 2011AAS...21821302S ADS
- Schmelz, J. T., Jenkins, B. S., Worley, B. T., et al., "Isothermal and Multithermal Analysis of Coronal Loops Observed with AIA", 2011ApJ...731...49S ADS
- Schmelz, J. T., "SDO-AIA DEM: Initial Results", 2011AAS...21731903S ADS
- Schmelz, J. T., Kimble, J. A., Jenkins, B. S., et al., "Atmospheric Imaging Assembly Multithermal Loop Analysis: First Results", 2010ApJ...725L..34S ADS
- Laming, J. M., Adams, J., Alexander, D., et al., "Science Objectives for an X-Ray Microcalorimeter Observing the Sun", 2010arXiv1011.4052L ADS
- Schmelz, J. T., Saar, S. H., Nasraoui, K., et al., "Multi-stranded and Multithermal Solar Coronal Loops: Evidence from Hinode X-ray Telescope and EUV Imaging Spectrometer Data", 2010ApJ...723.1180S ADS
- Durak, N., Nasraoui, O., & Schmelz, J., "Automated Coronal-Loop Detection based on Contour Extraction and Contour Classification from the SOHO/EIT Images", 2010SoPh...264..383D ADS
- Verschuur, G. L. & Schmelz, J. T., "A Pervasive Broad Component in H I Emission Line Profiles: Temperature, Turbulence, or a Helium Signature?", 2010AJ...139.2410W ADS
- Schmelz, J. T., Saar, S. H., & Kashyap, V., "Hinode XRT and EIS Multithermal Analysis of a Coronal Loop", 2010AAS...21640713S ADS
- Winebarger, A. R., Schmelz, J. T., Saar, S. H., Kashyap, V. L., & Warren, H. P., "Steady Heating Model of an Active Region Core", 2010AAS...21640711W ADS
- Schmelz, J. T., "Introduction to Unconscious Bias", 2010AAS...21620201S ADS
- Schmelz, J., "SDO-AIA Multithermal Analysis of Solar Coronal Features", 2010cosp...38.2861S ADS
- Schmelz, J. T., Saar, S. H., Weber, M. A., Deluca, E. E., & Golub, L., "Coronal Loop Temperatures Obtained with Hinode XRT: A Toothpaste-Tube Analogy", 2009ASPC...415..299S ADS
- Schmelz, J. T., Kashyap, V. L., Saar, S. H., et al., "Some Like It Hot: Coronal Heating Observations from Hinode X-ray Telescope and RHESSI", 2009ApJ...704..863S ADS
- Schmelz, J. T., Saar, S. H., DeLuca, E. E., et al., "Hinode X-Ray Telescope Detection of Hot Emission from Quiescent Active Regions: A Nanoflare Signature?", 2009ApJ...693L.131S ADS
- Schmelz, J. T., Nasraoui, K., Rightmire, L. A., et al., "Are Coronal Loops Isothermal or Multithermal?", 2009ApJ...691..503S ADS
- Schmelz, J. T., Scott, J., & Rightmire, L. A., "May Day! Coronal Loop Temperatures from the Hinode EUV Imaging Spectrometer", 2008ApJ...684L.115S ADS
- Schmelz, J. T., "Coronal Loop Temperatures Obtained with Hinode EIS and XRT Data", 2008AGUSMSP41C..01S ADS
- Kimble, J. A., Schmelz, J. T., Nasraoui, K., et al., "Thermal Analysis of CDS Coronal Loops", 2008AGUSMSP31C..03K ADS
- Garst, J. W. & Schmelz, J. T., "Temperature and Density Analysis of a Coronal Loop Using EIS", 2008AGUSMSP31C..02G ADS
- Rightmire, L. A., Schmelz, J. T., & Scott, J., "Hinode-EIS: Thermal and Density Analysis of Coronal Loops", 2008AGUSMSP31C..01R ADS
- Schmelz, J., "Coronal Loop Temperatures Obtained with Hinode EIS and XRT Data", 2008cosp...37.2772S ADS
- Schmelz, J. T., Kashyap, V. L., & Weber, M. A., "Coronal Heat: Solar Loop Temperatures from TRACE Triple-Filter Data", 2007ApJ...660L.157S ADS
- Schmelz, J. T., Nasraoui, K., Rightmire, L., et al., "Are Coronal Loops Isothermal Or Multithermal? Yes!", 2007AAS...210.9431S ADS
- Nasraoui, K., Schmelz, J. T., Cirtain, J. W., et al., "Coronal Diagnostics Spectrometer Observations of Coronal Loops", 2007AAS...210.9122N ADS
- Rightmire, L., Schmelz, J. T., Cirtain, J. W., et al., "SOHO-CDS: Thermal and Density Analysis of Coronal Loops", 2007AAS...210.9121R ADS
- Kimble, J., Schmelz, J. T., Nasraoui, K., et al., "Coronal Loops: Isothermal or Multithermal?", 2007AAS...210.9120K ADS
- Garst, J. W., Schmelz, J. T., Nasraoui, K., et al., "Differential Emission Measurements on Sparse Raster Data from SOHO-CDS", 2007AAS...210.2517G ADS
- Schmelz, J. T., Nasraoui, K., Del Zanna, G., et al., "Coronal Diagnostic Spectrometer Observations of Isothermal and Multithermal Coronal Loops", 2007ApJ...658L.119S ADS
- Cirtain, J. W., Del Zanna, G., DeLuca, E. E., et al., "Active Region Loops: Temperature Measurements as a Function of Time from Joint TRACE and SOHO CDS Observations", 2007ApJ...655..598C ADS
- Schmelz, J. T., Roames, J. K., & Nasraoui, K., "The coronal loop controversy: TRACE analysis", 2007AdSpR...39.1497S ADS
- Schmelz, J. T., Nasraoui, K., Cirtain, J., et al., "The Coronal Loop Controversy: Resolved?", 2006SPD...37.1701S ADS
- Garst, J. W., Schmelz, J. T., Lippner, L. A., & Roames, J. K., "Is TRACE's High Spatial Resolution High Enough for Isothermal Temperature Analysis?", 2006SPD...37.0118G ADS
- Weber, M. A., Schmelz, J., Kashyap, V., & Roames, J., "Does TRACE Resolve Isothermal Coronal Loops?", 2006SPD...37.0115W ADS
- Lippner, L., Schmelz, J. T., Nasraoui, K., Roames, J. K., & Garst, J. W., "Neon Lights Up a Controversy", 2006SPD...37.0111L ADS
- Brickhouse, N. S. & Schmelz, J. T., "The Transparency of Solar Coronal Active Regions", 2006ApJ...636L..53B ADS
- Schmelz, J. T. & Martens, P. C. H., "Multithermal Analysis of a SOHO/CDS Coronal Loop", 2006ApJ...636L..49S ADS
- Schmelz, J. T., Beene, J., Coyle, T., et al., "The Cinderella loop project", 2006AdSpR...38.1529S ADS
- Weber, M. A., Schmelz, J. T., DeLuca, E. E., & Roames, J. K., "Isothermal Bias of the "Filter Ratio" Method for Observations of Multithermal Plasma", 2005ApJ...635L.101W ADS
- Schmelz, J. T., Nasraoui, K., Roames, J. K., Lippner, L. A., & Garst, J. W., "Neon Lights up a Controversy: The Solar Ne/O Abundance", 2005ApJ...634L.197S ADS
- Schmelz, J. T., Nasraoui, K., Richardson, V. L., et al., "All Coronal Loops Are the Same: Evidence to the Contrary", 2005ApJ...627L..81S ADS
- Roames, J. K. & Schmelz, J. T., "How does Background Subtraction Affect SXT Loop Temperatures?", 2005AGUSMSP41A..09R ADS
- Deluca, E. E., Cirtain, J. W., del Zanna, G., et al., "EUV Observations of Active Region Dynamics", 2005AGUSMSP33A..03D ADS
- Schmelz, J. T. & Nasraoui, K., "EM Loci of CDS Loop Data", 2005AGUSMSP13B..04S ADS
- Weber, M., Deluca, E., & Schmelz, J., "Why Does TRACE See So Many Isothermal Loops?", 2005AGUSMSP13B..03W ADS
- Schmelz, J. T., "Coronal Energetics and Loop Dynamics", 2004AAS...204.9505S ADS
- Nasraoui, K. & Schmelz, J. T., "SOHO-CDS Coronal Loops: More deeply into Background Subtraction", 2004AAS...204.5607N ADS
- Kim, T. & Schmelz, J. T., "Isothermal or Multithermal Loop Plasma: to See or not to See", 2004AAS...204.5606K ADS
- Prozny, T. E. K. & Schmelz, J. T., "CDS Observations of Oxygen-V Loops", 2004AAS...204.5605P ADS
- Roames, J. K., Schmelz, J. T., & Beene, J. E., "How does Background Subtraction Affect TRACE Loop Temperatures?", 2004AAS...204.5604R ADS
- O'Connor, J., Coyle, T., Douglass, J., & Schmelz, J. T., "The Cinderella Loop Project", 2004AAS...204.5603O ADS
- Schmelz, J., Beene, J., Buchanan, J., et al., "The Cinderella Loop Project", 2004cosp...35.1476S ADS
- Schmelz, J., "The Coronal Loop Controversy", 2004cosp...35.1475S ADS
- Schmelz, J. T., Beene, J. E., Nasraoui, K., et al., "The Effect of Background Subtraction on the Temperature of EIT Coronal Loops", 2003ApJ...599..604S ADS
- Schmelz, J. T., Cirtain, J. W., Beene, J. E., et al., "Coronal loops: Isothermal OR multithermal?", 2003AdSpR...32.1109S ADS
- Schmelz, J. T., "Why stellar astronomers should be interested in the sun", 2003AdSpR...32..895S ADS
- Beene, J. E. & Schmelz, J. T., "To BG or not to BG: Background Subtraction for EIT Coronal Loops", 2003SPD...34.1711B ADS
- Nasraoui, K., Schmelz, J. T., & Nevels, C. R., "SOHO-CDS Coronal Loops: Multi-thermal Analysis and Background Subtraction", 2003SPD...34.1709N ADS

- Medlin, D. A., Blevins, H. T., & Schmelz, J. T., "Limb Looking: The effects of background subtraction on the temperature of SXT loops.", 2003SPD...34.1708M ADS
- Schmelz, J. T., "The Coronal Loop Controversy", 2003SPD...34.1005S ADS
- Schmelz, J. T., "Are Coronal Loops Isothermal?", 2002ApJ...578L.161S ADS
- Martens, P. C. H., Cirtain, J. W., & Schmelz, J. T., "The Inadequacy of Temperature Measurements in the Solar Corona through Narrowband Filter and Line Ratios", 2002ApJ...577L.115M ADS
- Schmelz, J. T., Winter, H. D., & Marino, C. P., "Coronal abundances obtained from serts and Yohkoh-SXT data", 2002AdSpr...30...61S ADS
- Cirtain, J. W., Schmelz, J. T., & Martens, P. C. H., "Methods of Temperature and Emission Measure Determination of Coronal Loops", 2002AAS...200.1605C ADS
- Schmelz, J. T., Cirtain, J. W., & Allen, J. D., "Coronal Loops: Evolving Beyond the Isothermal Approximation", 2002AAS...200.1604S ADS
- Hubbard, P. J. & Schmelz, J. T., "Multi-Thermal Analysis of SOHO-CDS Coronal Loops", 2002AAS...200.0208H ADS
- Blevins, H. T. & Schmelz, J. T., "SOHO-EIT Temperature Analysis of Active Region Loops", 2002AAS...200.0207B ADS
- Martens, P. C. H., Cirtain, J. W., & Schmelz, J. T., "How to 'Subtract' Spectrally Determined Intensities from a Coronal Loop on the Limb", 2002AAS...200.0206M ADS
- Allen, J. D. & Schmelz, J. T., "Differential Emission Measure: Forward Folding vs. Automatic Inversion", 2002AAS...200.0204A ADS
- Medlin, D. A., Schmelz, J. T., & Beene, J. E., "Using Differential Emission Measure Techniques to Compare Plasma Parameters in Active Regions", 2002AAS...200.0203M ADS
- Nevels, C. R., Schmelz, J. T., & Richardson, V. L., "Coronal Densities from SERTS Differential Emission Measure Analysis", 2002AAS...200.0202N ADS
- Cirtain, J. W. & Schmelz, J. T., "Isothermal Approximation vs. Differential Emission Measure Analysis: How Hot are Hot Loops?", 2002mwoc.conf...79C ADS
- Schmelz, J. & Cirtain, J., "Coronal loops: isothermal or multithermal?", 2002cosp...34E1226S ADS
- Schmelz, J., "Why stellar astronomers should be interested in the sun", 2002cosp...34E1222S ADS
- Schmelz, J. T., Scopes, R. T., & Cirtain, J. W., "Determining coronal heating of plasma loops through differential emission measure analysis", 2002AdSpr...30...507S ADS
- Schmelz, J. T., Scopes, R. T., Cirtain, J. W., Winter, H. D., & Allen, J. D., "Observational Constraints on Coronal Heating Models Using Coronal Diagnostics Spectrometer and Soft X-Ray Telescope Data", 2001ApJ...556...896S ADS
- Winter, H. D., Schmelz, J. T., & Medlin, D. A., "Comparing Active Region Plasma Parameters Using Differential Emission Measure Techniques", 2001AGUSM...SH41B22W ADS
- Schmelz, J. T., Edwards, C. R., & Blevins, H. T., "Are Active Region Loops Isothermal?", 2001AGUSM...SH41B02S ADS
- Marino, C. P., Schmelz, J. T., & Winter, H. D., "Relative Coronal Abundances from Yohkoh SXT and SERTS Data", 2000SPD...31.0224M ADS
- Schoepke, B. H., Schmelz, J. T., Scopes, R. T., Cirtain, J. W., & Edwards, C. R., "Diagnostic Constraints for Loop Dynamics Models", 2000SPD...31.0213S ADS
- Scopes, R. T. & Schmelz, J. T., "Using the Results of Multi-Thermal Analysis to Constrain Coronal Heating Models", 2000SPD...31.0212S ADS
- Schmelz, J. T. & Winter, H. D., "Using Forward-Folding of SERTS and Yohkoh SCT Data to Estimate the Electron Densities of Coronal Plasma", 1999ESASP.446...593S ADS
- Schmelz, J. T., Scopes, R. T., & Wülser, J. P., "Use of Experimental Multi-Thermal Plasma Distributions as a Constraint for Coronal Heating Models", 1999ESASP.446...589S ADS
- Schmelz, J. T., "The Elemental Composition of the Solar Corona: Abundance Normalization and Possible Abundance Variability", 1999ESASP.446...585S ADS
- Schmelz, J. T., Saba, J. L. R., Strong, K. T., Winter, H. D., & Brosius, J. W., "Emission Measure Distribution for an Active Region Using Coordinated SERTS and YOHKOH SXT Observations", 1999ApJ...523...432S ADS
- Fludra, A. & Schmelz, J. T., "The absolute coronal abundances of sulfur, calcium, and iron from Yohkoh-BCS flare spectra", 1999A&A...348...286F ADS
- Schmelz, J. T. & Fludra, A., "The Hybrid Set of Absolute Coronal Abundances", 1999AAS...19410001S ADS
- Scopes, R. T., Schmelz, J. T., & Wuelser, J. P., "A New Diagnostic Constraint for Coronal Heating Models", 1999AAS...194.7809S ADS
- Winter, H. D., I., Schmelz, J. T., & Saba, J. L. R., "Estimating Electron Densities of Coronal Plasma Using Forward-Folding", 1999AAS...194.1604W ADS
- Strong, K. T. & Schmelz, J. T., "The Solar Maximum Mission", 1999mfs...conf...1S ADS
- , "The many faces of the sun: a summary of the results from NASA's Solar Maximum Mission", 1999mfs...conf...S ADS
- Saba, J. L. R., Schmelz, J. T., Bhatia, A. K., & Strong, K. T., "Fe XVII Soft X-Ray Lines: Theory and Data Comparisons", 1999ApJ...510.1064S ADS
- Saba, J. L. R., Strong, K. T., & Schmelz, J. T., "Clarifying the Picture of Fe XVII Opacity in the Solar Corona", 1997SPD...28.0145S ADS
- Schmelz, J. T., Saba, J. L. R., & Strong, K. T., "Measuring Active Region Temperatures with SERTS and YOHKOH (SXT) Data", 1997SPD...28.0139S ADS
- Schmelz, J. T., Saba, J. L. R., Chauvin, J. C., & Strong, K. T., "Investigating the effect of Opacity in Soft X-Ray Spectral Lines Emitted by Solar Coronal Active Regions", 1997ApJ...477...509S ADS
- Schmelz, J. T., Chauvin, J. C., & Saba, J. L. R., "Opacity effects in soft X-ray spectral lines of the solar corona", 1997AdSpr...20.2259S ADS
- Schmelz, J. T., Saba, J. L. R., & Islam, B., "Ne/O, Mg/O and Fe/O abundances derived from spectroscopic and SEP analysis", 1997AdSpr...20...87S ADS
- Schmelz, J. T., Saba, J. L. R., Ghosh, D., & Strong, K. T., "Anomalous Coronal Neon Abundances in Quiescent Solar Active Regions", 1996ApJ...473...519S ADS
- Islam, B. & Schmelz, J. T., "Ne/O, Mg/O, and Fe/O Abundances Derived from Spectroscopic and SEP Analysis", 1996AAS...188.7017I ADS
- Schmelz, J. T. & Chauvin, J. C., "Opacity Effects in Soft X-Ray Spectral Lines of the Solar Corona", 1996AAS...188.3606S ADS
- Fludra, A. & Schmelz, J. T., "Absolute Abundances of Flaring Coronal Plasma Derived from SMM Spectral Observations", 1995ApJ...447...936F ADS
- Schmelz, J. T., "Abundances from SMM spectroscopic observations for non-flaring coronal plasma", 1995AdSpr...15g...77S ADS
- Chauvin, J. C. & Schmelz, J. T., "Testing the Optically Thin Assumption for Soft X-Ray Spectral Lines of the Solar Corona", 1995SPD...26...710C ADS
- Schmelz, J. T., Miller, T. R., & Saba, J. L. R., "Ne/O, Mg/O, and Fe/O Abundances Derived Spectroscopically for Coronal Plasma", 1995SPD...26...709S ADS
- Ghosh, D. & Schmelz, J. T., "Abundance Variations from SMM Spectroscopic Observations of Non-Flaring Plasma", 1995SPD...26...608G ADS
- Schmelz, J. T., Holman, G. D., Brosius, J. W., & Willson, R. F., "Coronal Magnetic Structures Observing Campaign. III. Coronal Plasma and Magnetic Field Diagnostics Derived from Multiwaveband Active Region Observations", 1994ApJ...434...786S ADS
- Schmelz, J. T., "A review of results from CoMStOC '87", 1994smf...conf...384S ADS
- Schmelz, J. T. & Fludra, A., "Unique SMM observations of an impulsive double solar flare: Enhanced neon abundance", 1993AdSpr...13i.325S ADS
- Strong, K., Holman, G., & Schmelz, J., "Yohkoh Observations During the CoMStOC'92 Campaign", 1993BAAS...25R1223S ADS
- Gopalswamy, N., White, S. M., Kundu, M. R., et al., "A Study of the Solar Active Regions Using Simultaneous VLA and Yohkoh Soft X-ray Imaging: CoMStOC '92", 1993BAAS...25R1213G ADS
- Schmelz, J. T., Strong, K. T., & Lemen, J. R., "Is Hydrogen Acting Like a High FIP or a Low FIP Element in the Solar Corona?", 1993BAAS...25R1201S ADS
- Schmelz, J. T., "Elemental Abundances of Flaring Solar Plasma: Enhanced Neon and Sulfur", 1993ApJ...408...373S ADS
- Schmelz, J. T., Brown, J. C., & Rutten, R. J., "Book-Review - the Sun - a Laboratory for Astrophysics", 1993SSRv...65...370S ADS
- Schmelz, J. T., Holman, G. D., Brosius, J. W., & Gonzalez, R. D., "Coronal Magnetic Structures Observing Campaign. II. Magnetic and Plasma Properties of a Solar Active Region", 1992ApJ...399...733S ADS
- Schmelz, J. T., Brown, J. C., & Staude, J., "Book-Review - the Sun - a Laboratory for Astrophysics", 1992AN...313...348S ADS
- Schmelz, J. T., Saba, J. L. R., & Strong, K. T., "Resonance Scattering of Fe xvii: A Density Diagnostic", 1992ApJ...398L.115S ADS
- Schmelz, J. T., Holman, G. D., & Brosius, J. W., "CoMStOC '92: The Coronal Magnetic Structures Observing Campaign", 1992AAS...180.4511S ADS
- Schmelz, J. T. & Fludra, A., "A Multi-Thermal Analysis of Two Solar Flares Observed with SMM", 1992AAS...180.1804S ADS
- Brosius, J. W., Willson, R. F., Holman, G. D., & Schmelz, J. T., "Coronal Magnetic Structures Observing Campaign. IV. Multiwaveband Observations of Sunspot and Plage-associated Coronal Emission", 1992ApJ...386...347B ADS
- Brosius, J. W., Willson, R. F., Holman, G. D., & Schmelz, J. T.: 1992b, CoMStOC 4: Multiwaveband observations of sunspot and plage-associated coronal emission, Interim Report Tufts Univ., Medford, MA. Dept. of Physics and Astronomy. 1992tuft.rept....B ADS

- , "The Sun: A Laboratory for Astrophysics", 1992ASIC. .373.S ADS
- Brosius, J. W., Holman, G. D., & Schmelz, J. T., "Microwave polarization inversion observed", 1991EOSTr. .72. .449B ADS
- Willson, R. F., Schmelz, J. T., Gonzalez, R. D., Lang, K. R., & Smith, K. L., "Multi-Wave Band SMM-VLA Observations of an M2 Flare and an Associated Coronal Mass Ejection", 1991ApJ. .378. .360W ADS
- Nitta, N., White, S. M., Kundu, M. R., et al., "Coronal Magnetic Structures Observing Campaign. I. Simultaneous Microwave and Soft X-Ray Observations of Active Regions at the Solar Limb", 1991ApJ. .374. .374N ADS
- Schmelz, J. T., Holman, G. D., Brosius, J. W., & Willson, R. F., "CoMStOC III: Measuring Magnetic Fields in Active Region Coronal Plasma", 1991BAAS. .23R1045S ADS
- Holman, G. D., Brosius, J. W., Schmelz, J. T., & Willson, R. F., "On the Polarization of Microwave Emission from Active Regions: Results from CoMStOC", 1991BAAS. .23.1045H ADS
- Brosius, J. W., Holman, G. D., & Schmelz, J. T., "Microwave polarization inversion observed", 1991EOSTr. .72R.449B ADS
- Schmelz, J. T., "CoMStOC vs. International Solar Month: Experience gained and lessons learned from SMM campaigns", 1991AdSpR. .11e. .41S ADS
- Schmelz, J. T. & Holman, G. D., "Results from CoMStOC: The coronal magnetic structures observing campaign", 1991AdSpR. .11a.109S ADS
- Lewis, B. M., Chengalur, J. N., Schmelz, J., & Terzian, Y., "Accurate positions of OH/IR stars.", 1990MNRAS.246. .523L ADS
- Schmahl, E. J., Schmelz, J. T., Saba, J. L. R., Strong, K. T., & Kundu, M. R., "Microwave and X-Ray Observations of a Major Confined Solar Flare", 1990ApJ. .358. .654S ADS
- Holman, G. D., Brosius, J. W., Nitta, N., et al., "CoMStOCI: Physical Properties of an Active Region Loop Observed at the Solar Limb", 1990BAAS. .22. .899H ADS
- Brosius, J. W., Holman, G. D., Willson, R. F., & Schmelz, J. T., "CoMStOCIV: Interpretation of Multiwavelength Observations of a Sunspot and Plage", 1990BAAS. .22. .794B ADS
- Schmelz, J. T., "Comstoc - the Coronal Magnetic Structures Observing Campaign", 1990IAUS. .140. .20S ADS
- Schmelz, J. T., "CoMStOC II: Multi-Waveband Observations of a Solar Active Region", 1989BAAS. .21Q1186S ADS
- Verschuur, G. L. & Schmelz, J. T., "High-Resolution Studies of 21 CM Emission Profiles", 1989AJ. . . .98. .267V ADS
- Willson, R. F., Lang, K. R., Schmelz, J. T., & Smith, K. L., "Multiple Wavelength SMM-VLA Observations of an M2-Class X-ray Flare", 1989BAAS. .21Q.835W ADS
- Brosius, J. W., Holman, G. D., Nitta, N., et al., "Interpretation of Multiwavelength Observations of Solar Active Regions Obtained During CoMStOC", 1989BAAS. .21. .838B ADS
- Nitta, N., White, S., Kundu, M., et al., "Simultaneous Microwave and Soft X-ray Observations of Active Regions at the Solar Limb", 1989BAAS. .21. .828N ADS
- Harrison, R. A., Bentley, R. D., Brosius, J., et al., "Large-scale Magnetic Field Phenomena", 1989ntti.conf. . . .1H ADS
- Schmelz, J. T., Saba, J. L. R., & Strong, K. T., "Plasma parameters and structures of the X4 flare of 19 May 1984 as observed by SMM-XRP", 1989sasf.confP.165S ADS
- Schmelz, J. T., Baan, W. A., & Haschick, A. D., "The Megamaser Galaxy Markarian 273. II. VLA Observations of the Neutral Hydrogen Absorption", 1988ApJ. .329. .142S ADS
- Schmelz, J. T. & Baan, W. A., "A Search for Thermal Hydroxyl Emission in Nearby Galaxies", 1988AJ. . . .95. .672S ADS
- Schmelz, J., "International solar month-September 1988", 1988EOSTr. .69. .738S ADS
- Schmelz, J. T., Saba, J. L. R., Strong, K. T., & Holman, G. D., "Preliminary results from the coronal magnetic structures observing campaign (CoMStOC)", 1988AdSpR. . .8k.189S ADS
- Schmelz, J. T., Baan, W. A., & Haschick, A. D., "The Megamaser Galaxy Markarian 273. I. VLA Observations of the Hydroxyl Emission", 1987ApJ. . .321. .225S ADS
- Kundu, M. R., Gopalswamy, N., Saba, J. L. R., Schmelz, J. T. S., & Strong, K. T., "A Study of Solar Preflare Activity Using Two-Dimensional Radio and Smm/xrp Observations", 1987SoPh. .114. .273K ADS
- Schmelz, J. T., Saba, J. L. R., Strong, K. T., Schmahl, E. J., & Kundu, M. R., "The Effect of a Large Flare on the Solar Corona", 1987BAAS. . .19S1122S ADS
- Schmahl, E. J., Kundu, M. R., Schmelz, J. T., Saba, J., & Strong, K. T., "Microwave Observations of the X-Flare of May 19, 1984", 1987BAAS. . .19R1122S ADS
- Schmelz, J. T., Baan, W. A., & Haschick, A. D., "The Leo Triplet Spiral Galaxy NGC 3628. II. VLA Observations of the Hydroxyl Absorption", 1987ApJ. . .320. .145S ADS
- Schmelz, J. T., Baan, W. A., & Haschick, A. D., "The Leo Triplet Spiral Galaxy NGC 3628. I. VLA Observations of the Neutral Hydrogen Absorption", 1987ApJ. . .315. .492S ADS
- Schmelz, J. T., "Megamaser Comparisons: IC 4553 and Mrk 273", 1987BAAS. . .19S.711S ADS
- Baan, W. A., van Gorkom, J. H., Schmelz, J. T., & Mirabel, I. F., "The Peculiar Galaxy IC 4553. II. VLA Observations of the Neutral Hydrogen", 1987ApJ. . .313. .102B ADS
- Schmelz, J. T.: 1987, "Investigations of Extragalactic Hydroxyl.", Ph.D. thesis, Pennsylvania State University 1987PhDT.2S ADS
- Verschuur, G. L. & Schmelz, J. T., "High Resolution Studies of 21-cm Emission Profiles Observed at Arecibo Observatory", 1987BAAS. . .19. .649V ADS
- Schmelz, J. T., Baan, W. A., Haschick, A. D., & Eder, J., "An Arecibo survey for extragalactic hydroxyl absorption. I. Presentation of results.", 1986AJ.92.1291S ADS
- Schmelz, J. T., "Is OH abundance enhanced in tidally distorted galaxies?", 1986inpr.conf. .107S ADS
- Schmelz, J. T., Baan, W. A., & Haschick, A. D., "VLA Observations of the H1 and OH Absorption in the Leo Triplet Spiral Galaxy NGC 3628", 1986BAAS. . .18. .916S ADS
- Schmelz, J. T., Feigelson, E. D., & Schwartz, D. A., "A VLA survey of unidentified HEAO-1 X-ray sources.", 1986AJ.92. .585S ADS
- Baan, W. A., Haschick, A. D., & Schmelz, J. T., "The fourth OH megamaser: Markarian 273.", 1985ApJ. . .298L. .51B ADS
- Baan, W. A., Haschick, A. D., Buckley, D., & Schmelz, J. T., "Hydroxyl absorption in NGC 520, NGC 2623, 6240.", 1985ApJ. . .293. .394B ADS
- Schwartz, D. A., Roberts, W., Murray, S., et al., "Newly Discovered BL Lacertae Objects Identified as Bright X-ray Source Counterparts by HEAO-1", 1985BAAS. . .17. .608S ADS
- Schmelz, J. T., Baan, W. A., & Haschick, A. D., "An Arecibo Survey for Extragalactic Hydroxyl", 1985BAAS. . .17. .549S ADS
- Vrba, F. J., Rydgren, A. E., Zak, D. S., & Schmelz, J. T., "Some systematic trends in the color variations of T Tauri stars at visible wavelengths.", 1985AJ.90. .326V ADS
- Baan, W. A., Haschick, A. D., & Schmelz, J. T., "OH Megamasers", 1984IAUC.3993. . . .2B ADS
- Schmelz, J. T., Feigelson, E. D., & Schwartz, D. A., "VLA Observations of Unidentified HEAO-1 X-Ray Sources", 1984BAAS. . .16R.472S ADS
- Schmelz, J. T., "An investigation of T Tauri variability.", 1984AJ.89. .108S ADS
- Schmelz, J., "An investigation of T Tauri variability.", 1983RMxAA. . .7Q.197S ADS
- Vrba, F. J., Rydgren, A. E., & Schmelz, J. T., "Periodic Light Variability in Four Late Type Pre Main-Sequence Stars", 1983ards.proc. .503V ADS
- Vrba, F. J., Rydgren, A. E., & Schmelz, J. T. D. P. K., "Periodic Light Variability in Four Late-Type Pre-Main-Sequence Stars", 1983ASSL. .102. .503V ADS
- Rydgren, A. E., Schmelz, J. T., & Vrba, F. J., "Evidence for a characteristic maximum temperature in the circumstellar dust associated with T Tau stars.", 1982ApJ. . .256. .168R ADS
- Schmelz, J. T., Rydgren, A. E., & Vrba, F. J., "On the Sources of Variability in T Tauri Stars", 1982BAAS. . .14R.629S ADS
- Rydgren, A. E., Schmelz, J. T., & Vrba, F. J., "Evidence for Starspots on Several Non-T Tauri Pre-Main-Sequence K Stars", 1982BAAS. . .14. .629R ADS
- Schmelz, J., "An investigation of T Tauri variability.", 1982ASNYN. . .2b. .9S ADS
- Rydgren, A. E., Schmelz, J. T., & Vrba, F. J., "Circumstellar dust shells associated with T Tauri stars: another progress report.", 1982ASNYN. . .2a. .13R ADS