

Tyrel James Johnson – Curriculum Vitae

Professional Preparation:

University of Idaho, 2005	Physics	B.S.
University of Idaho, 2005	Mathematics	B.S.
University of Maryland, May 2011	Physics	Ph.D.
Thesis – <i>Constraints on the Emission Geometries of Gamma-ray Millisecond Pulsars Observed with the Fermi Large Area Telescope</i> , (arXiv:1209.4000)		
Co-Advisors – Dr. Jordan Goodman (Univ. of Maryland)		
Dr. Alice K. Harding (NASA Goddard Space Flight Center)		

Appointments:

Tutor, Polya Math Center, Univ. of Idaho	August 2003 – May 2004
Research Experience for Undergraduates Internship, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA	June – August 2004
Tutor, in charge of calculus room, Polya Math Center, Univ. of Idaho	August 2004 – May 2005
Graduate Teaching Assistant	August 2005 – May 2007
Graduate Research Assistant	May 2007 – April 2011
National Research Council Fellow resident at the US Naval Research Laboratory	April 2011 – July 2014
Research Associate Professor, George Mason University resident at the US Naval Research Laboratory	July 2014 – Present

Awards:

“John B. George Award”, Outstanding graduating senior in the College of Science, University of Idaho	May 2005
“Outstanding Senior Award in Mathematics”, University of Idaho	May 2005
Excellence in teaching (top TA award) University of Maryland Physics Dept.	Fall 2006
NRC/ASEE Postdoctoral Research Publication Award	March 2014

Research Areas:

Gamma-Ray Astrophysics
Pulsars – observation, modeling

Membership:

American Astronomical Society
Junior Member 2004 – 2011
Full Member 2011 – 2018
(and High-Energy Astrophysics Division Member)

Research Activities:

Member of *Fermi* Large Area Telescope collaboration May 2007 – Present
Co-coordinator of the *Fermi* Large Area Telescope collaboration Galactic sources working group September 2012 – April 2014
Co-coordinator of the *Fermi* Large Area Telescope collaboration Calibration & Analysis Methods working group March 2015 – Present

Conference Participation:

Invited Presentations:

T. J. Johnson, *Gamma-ray Pulsars*, 2013 *Fermi* Summer School, Lewes, DE, 3 June 2013.
T. J. Johnson, *Transitional Pulsars*, 2015 *Fermi* Summer School, Lewes, DE, 26 May 2015.
T. J. Johnson, et al., *Fermi LAT Observations of Two Be Pulsar Binary Systems at GeV Energies*, Recontres du Vietnam, Quy Nhon, August 2018.

Contributed Presentations:

4 oral presentations (including a dissertation talk) and 4 poster presentations at meetings of the American Astronomical society since January 2005.
1 oral presentation and 1 poster presentation at meetings of the High-Energy Astrophysics Division of the American Astronomical Society since 2011.
1 oral presentation and 3 poster presentations at 2nd (Washington D.C.), 3rd (Rome, Italy) and 4th (Monterey, CA) *Fermi* Symposia.
4 additional oral presentations (27th Texas Symposium, Dallas, TX, December 2013; Physical Applications of Millisecond Pulsars, Aspen, CO, January 2013; Pulsar 2010, Chia (Sardinia), Italy, October 2010; EWASS 2015: Neutron Stars at the Cross Roads, Santa Cruz, Tenerife, Spain, June 2015) and 2 poster presentations at international meetings.

Meeting Coordination:

Local organizing committee, 6th International *Fermi* Symposium, Washington, D.C., November 2015.

Successful Research Proposals:

Proposals as a PI:

Giant Radio Pulses from γ -ray Millisecond Pulsars (no funding, observations only)
National Radio Astronomy Observatory (Green Bank Radio Telescope) cycle 15A.

Proposals with significant contribution as a Co-I:

Modeling of Fermi-Detected Millisecond Pulsar Light Curves, PI – A. K. Harding, *Fermi* Cycle 3 Guest Investigator Program.
Probing the Emission Geometry of Millisecond Pulsars, PI – A. K. Harding, *Fermi* Cycle 4 Guest Investigator Program.
Searching for Wind-Wind Interactions in Millisecond Pulsar Binaries, PI – P. S. Ray, *Fermi* Cycle 6 Guest Investigator Program.

Education and Public Outreach Activities:

Volunteered at Explore Goddard 2015, *Fermi* constellations activity and Mission Operations Control tour.

Panel on 10 years of science with the *Fermi* Large Area Telescope at the Future Con portion of Awesome Con 2018.

Panel on Space at the Table at PAX Unplugged 2018.

News Articles Quoted in:

<http://www.bbc.co.uk/news/science-environment-15572628> – BBC 4 November 2011

<http://www.cosmosmagazine.com/news/largest-ever-gamma-ray-pulsar-discovered/> – Cosmos Magazine 3 November 2011

[http://chandra.harvard.edu/chronicle/0413/name/Chandra Chronicles](http://chandra.harvard.edu/chronicle/0413/name/Chandra_Chronicles) 31 October 2013

Tyrel James Johnson – Publication List

For *Fermi* LAT publication policies see: <http://www-glast.stanford.edu/policy-letter.pdf>

First author papers († publication award paper):

A Luminous and Highly Variable Gamma-Ray Flare Following the 2017 Periastron of PSR B1259-63/LS 2883, **T. J. Johnson** et al., 2018, ApJ, 863, 27.

Discovery of Gamma-ray Pulsations from the Transitional Redback PSR J1227-4853, **T. J. Johnson** et al., 2015, ApJ, 806, 91.

Constraints on the Emission Geometries and Spin Evolution of Gamma-ray Millisecond Pulsars, **T. J. Johnson** et al., 2014, ApJS, 213, 6.

Broadband Pulsations from PSR B1821-24: Implications for Emission Models and the Pulsar Population of M28, **T. J. Johnson** et al., 2013, ApJ, 778, 106.†

Corresponding author (indicated by a *) or significant contribution papers:

The GMRT High-resolution Southern Sky Survey for Pulsars and Transients. II. New Discoveries, Timing, and Polarization Properties, Bhattacharyya, B., et al., 2019, ApJ, 881, 59.*

Probing the Pulsar Population of Terzan 5 via Spectral Modeling, Ndiyavala, H., Venter, C., **Johnson, T. J.**, et al., 2019, ApJ, 880, 53.*

Searching a Thousand Radio Pulsars for Gamma-Ray Emission, Smith, D. A., et al., 2019, ApJ, 871, 78.

A comprehensive study of high-energy gamma-ray and radio emission from Cyg X-e, Zdziarski, A. A., et al., 2018, MNRAS, 479, 4399.

Science with e-ASTROGAM. A Space mission for MeV-GeV gamma-ray astrophysics. (transitional millisecond pulsars section), de Angelis, A. et al., 2018, Journal of High Energy Astrophysics, 19, 1.

Einstein@Home discovers a radio-quiet and gamma-ray millisecond pulsar, Clark, C. J., et al., 2018, *Science Advances*, 4, 7228.

The Einstein@Home Gamma-ray Pulsar Survey. II. Source Selection, Spectral Analysis, and Multiwavelength Follow-up, Wu, J., et al., 2018, ApJ, 854, 99.

2FGL J0846.0+2820: A New Neutron Star Binary with a Giant Secondary and Variable γ -Ray Emission, Swihart, S. J., Strader, J., **Johnson, T. J.**, et al., 2017, ApJ, 851, 31.*

High-energy Variability of PSR J1311-3430, Hongjun, A., Romani, R. W., **Johnson, T. J.**, et al., 2017, ApJ, 850, 100.

Multiwavelength monitoring and X-ray brightening of a Be X-ray binary PSR J2032+4127/MT91 213 on its approach to periastron, Ho, W. C. G., et al., 2017, MNRAS, 464, 1211.

The Braking Index of a Radio-quiet Gamma-Ray Pulsar; Clark, C. J., et al., 2016, ApJL, 832, L15.

The Binary Nature of PSR J2032+4127, A. Lyne, B. Stappers, M. Keith, P. S. Ray, M. Kerr, F. Camilo, & **T. J. Johnson**, 2015, MNRAS, 451, 581.

Light-curve Modelling Constraints on the Obliquities and Aspect Angles of the Young Fermi Pulsars, M. Pierbattista, A. K. Harding, I. A. Grenier, **T. J. Johnson** et al., 2015, A&A, 575, A3.

Discovery of PSR J1227-4853: A Transition from a Low-mass X-ray Binary to a Redback Millisecond Pulsar, J. Roy, P. S. Ray, B. Bhattacharyya, B. Stappers, J. N. Chengalur, J. Deneva, F. Camilo, **T. J. Johnson** et al., 2015, ApJL, 800,1.

The Second Fermi Large Area Telescope Catalog of Gamma-Ray Pulsars, A. A. Abdo et al. 2013, ApJS, 208, 17.

Fermi LAT Pulsed Detection of PSR J0737-3039A in the Double Pulsar System, L. Guillemot, M. Kramer, **T. J. Johnson** et al. 2013, ApJ, 768, 169.

Discovery of the millisecond pulsar PSR J2043+1711 in a Fermi Source with the Nançay Radio Telescope, L. Guillemot, P. C. C. Freire, I. Cognard, **T. J. Johnson** et al. 2012, MNRAS, 422, 1294.

Pulsed Gamma Rays from the Original Millisecond and Black Widow Pulsars: A Case for Caustic Radio Emission?, L. Guillemot, **T. J. Johnson** et al. 2012, ApJ, 744, 33.*

Modeling Phase-aligned Gamma-Ray and Radio Millisecond Pulsar Light Curves, C. Venter, **T. J. Johnson**, & A. K. Harding 2012, ApJ, 744, 34.*

Five New Millisecond Pulsars from a Radio Survey of 14 Unidentified Fermi-LAT Gamma-Ray Sources, M. Kerr, F. Camilo, **T. J. Johnson** et al. 2012, ApJ, 748, L2.*

Discovery of two Millisecond Pulsars in Fermi Sources with the Nançay Radio Telescope, I. Cognard, L. Guillemot, **T. J. Johnson** et al. 2011, ApJ, 732, 47.*

Fermi Detection of a Luminous g-Ray Pulsar in a Globular Cluster, P. C. C. Freire et al. 2011, Science, 334, 1107.*

The Vela Pulsar: Results from the First Year of Fermi LAT Observations, A. A. Abdo et al. 2010, ApJ, 713, 154.*

Discovery of Pulsed Gamma-rays from PSR J0034-0534 with the Fermi LAT: A Case for Co-located Radio and Gamma-ray Emission Regions, A. A. Abdo et al. 2010, ApJ, 712, 957.*

Radio Detection of LAT PSRs J1741-2054 and J2032+4127: No Longer Just Gamma-ray Pulsars, F. Camilo, P. S. Ray, S. M. Ransom, M. Burgay, **T. J. Johnson** et al. 2009, ApJ, 705, 1.

A Population of Gamma-ray Millisecond Pulsars Seen with the Fermi Large Area Telescope, A. A. Abdo et al. 2009, Science, 325, 848.*

Detection of High-Energy Gamma-Ray Emission from the Globular Cluster 47 Tucanae with Fermi, A. A. Abdo et al. 2009, Science, 325, 845.

Pulsed Gamma-rays from PSR J2021+3651 with the Fermi Large Area Telescope, A. A. Abdo et al. 2009, ApJ, 700, 1059.

Pulsed Gamma-rays from the Millisecond Pulsar J0030+0451 with Fermi, A. A. Abdo et al. 2009, ApJ, 669, 1171.*

Discovery of Pulsed g-Rays from the Young Radio Pulsar PSR J1028-5819 with the Fermi Large Area Telescope, A. A. Abdo et al. 2009, ApJ, 695, L72.*

Fermi Large Area Telescope Observations of the Vela Pulsar, A. A. Abdo et al. 2009, ApJ 696, 1084.

Papers with minor to very little participation (chronologically):

The Fermi Gamma-Ray Space Telescope Discovers the Pulsar in the Young Galactic

Supernova Remnant CTA 1, A. A. Abdo et al. 2008, *Science*, 322, 1218.

Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C, A. A. Abdo et al. 2009, *Science*, 323, 1688.

The Large Area Telescope on the Fermi Gamma-Ray Space Telescope Mission, W. B. Atwood et al. 2009, *ApJ*, 697, 1071.

Discovery of Pulsations from the Pulsar J0205+6449 in SNR 3C 58 with the Fermi Gamma-Ray Space Telescope, A. A. Abdo et al. 2009, *ApJ*, 699, L102.

Bright Active Galactic Nuclei Source List from the First Three Months of the Fermi Large Area Telescope All-Sky Survey, A. A. Abdo et al. 2009, *ApJ*, 700, 597.

Fermi/Large Area Telescope Bright Gamma-Ray Source List, A. A. Abdo et al. 2009, *ApJS*, 183, 46.

Fermi LAT Observations of LS I +61°303: First Detection of an Orbital Modulation in GeV Gamma Rays, A. A. Abdo et al. 2009, *ApJ*, 701, 123.

Detection of 16 Gamma-Ray Pulsars Through Blind Frequency Searches Using the Fermi LAT, A. A. Abdo et al. 2009, *Science*, 325, 840.

The on-orbit calibration of the Fermi Large Area Telescope, A. A. Abdo et al. 2009, *Astropart. Phys.*, 32, 193.

Fermi LAT Discovery of Extended Gamma-Ray Emission in the Direction of Supernova Remnant W51C, A. A. Abdo et al. 2009, *ApJ*, 706, L1.

Fermi/LAT observations of LS 5039, A. A. Abdo et al. 2009, *ApJ*, 706, L56.

Fermi Large Area Telescope Detection of Pulsed g-rays from the Vela-like Pulsars PSR J1048-5832 and PSR J2229+6114, A. A. Abdo et al. 2009, *ApJ*, 706, 1331.

Fermi Large Area Telescope Gamma-Ray Detection of the Radio Galaxy M87, A. A. Abdo et al. 2009, *ApJ*, 707, 55.

Fermi large area telescope observations of the cosmic-ray induced g-ray emission of the Earth's atmosphere, A. A. Abdo et al. 2009, *Phys. Rev. D*, 80, 122004.

Fermi Large Area Telescope Measurements of the Diffuse Gamma-Ray Emission at Intermediate Galactic Latitudes, A. A. Abdo et al. 2009, *Phys. Rev. Lett.*, 103, 251101.

Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3, A. A. Abdo et al. 2009, *Science*, 326, 1512.

Fermi Large Area Telescope Observations of the Crab Pulsar And Nebula, A. A. Abdo et al. 2010, *ApJ*, 708, 1254.

Gamma-ray and Radio Properties of Six Pulsars Detected by the Fermi Large Area Telescope, P. Weltevrede et al. 2010, *ApJ*, 708, 1426.

Fermi-LAT Discovery of GeV Gamma-Ray Emission from the Young Supernova Remnant Cassiopeia A, A. A. Abdo et al. 2010, *ApJ*, 710, L92.

Gamma-Ray Emission from the Shell of Supernova Remnant W44 Revealed by the Fermi LAT, A. A. Abdo et al. 2010, *Science*, 327, 1103.

Observations of the Large Magellanic Cloud with Fermi, A. A. Abdo et al. 2012, *A&A*, 512, 7.

PSR J1907+0602: A Radio-Faint Gamma-Ray Pulsar Powering a Bright TeV Pulsar Wind Nebula, A. A. Abdo et al. 2010, *ApJ*, 711, 64.

Observation of Supernova Remnant IC 443 with the Fermi Large Area Telescope, A. A. Abdo et al. 2010, *ApJ*, 712, 459.

Spectrum of the Isotropic Diffuse Gamma-Ray Emission Derived from First-Year Fermi Large Area Telescope Data, A. A. Abdo et al. 2012, *Phys. Rev. Lett.*, 104, 101101.

Fermi Large Area Telescope Observations of PSR J1836+5925, A. A. Abdo et al. 2010, *ApJ*, 712, 1209.

Fermi Large Area Telescope Observations of the Vela-X Pulsar Wind Nebula, A. A. Abdo et al. 2010, *ApJ*, 713, 146.

The First Fermi Large Area Telescope Catalog of Gamma-ray Pulsars, A. A. Abdo et al. 2012, ApJS, 187, 460.

Detection of the Energetic Pulsar PSR B1509-58 and its Pulsar Wind Nebula in MSH 15-52 Using the Fermi Large Area Telescope, A. A. Abdo et al. 2010, ApJ, 714, 927.

The First Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope, A. A. Abdo et al. 2012, ApJ, 715, 429.

Fermi Gamma-Ray Imaging of a Radio Galaxy, A. A. Abdo et al. 2010, *Science*, 328, 725.

Fermi Large Area Telescope First Source Catalog, A. A. Abdo et al. 2010, ApJS, 188, 405.

GeV Gamma-ray Flux Upper Limits from Clusters of Galaxies, M. Ackermann et al. 2010, ApJ, 717, L71.

Fermi Large Area Telescope View of the Core of the Radio Galaxy Centaurus A, A. A. Abdo et al. 2010, ApJ, 719, 1433.

Gamma-Ray Emission Concurrent with the Nova in the Symbiotic Binary V407 Cygni, A. A. Abdo et al. 2010, *Science*, 329, 817.

Fermi Large Area Telescope Observations of Gamma-ray Pulsars PSR J1057-5226, J1709-4429, and J1952+3252, A. A. Abdo et al. 2010, ApJ, 720, 26.

Fermi-LAT Observations of the Geminga Pulsar, A. A. Abdo et al. 2010, ApJ, 720, 272.

The Fermi-LAT High-Latitude Survey: Source Count Distributions and the Origin of the Extragalactic Diffuse Background, A. A. Abdo et al. 2010, ApJ, 720, 435.

Fermi Large Area Telescope observations of Local Group galaxies: detection of M 31 and search for M 33, A. A. Abdo et al. 2010, A&A, 523, L2.

A population of gamma-ray emitting globular clusters seen with the Fermi Large Area Telescope, A. A. Abdo et al. 2010, A&A, 524, 75.

Eight g-ray Pulsars Discovered in Blind Frequency Searches of Fermi LAT Data, P. M. Saz Parkinson et al. 2010, ApJ, 725, 571.

Multi-wavelength Observations of the Flaring Gamma-ray Blazar 3C 66A in 2008 October, A. A. Abdo et al. 2011, ApJ, 726, 43.

Radio and g-ray Constraints on the Emission Geometry and Birthplace of PSR J2043+2740, A. Noutsos et al. 2011, ApJ, 728, 77.

Gamma-Ray Flares from the Crab Nebula, A. A. Abdo et al. 2011, *Science*, 331, 739.

Fermi Large Area Telescope Observations of Two Gamma-Ray Emission Components from the Quiescent Sun, A. A. Abdo et al. 2011, ApJ, 734, 116.

Discovery of High-energy Gamma-ray Emission from the Binary System PSR B1259-63/LS 2883 around Periastron with Fermi, A. A. Abdo et al. 2011, ApJ, 736, L11.

Sensitivity of Blind Pulsar Searches with the Fermi Large Area Telescope, M. Dormody, R. P. Johnson, W. B. Atwood, A. Belfiore, I. A. Grenier, **T. J. Johnson**, M. Razzano, & P. M. Saz Parkinson 2011, ApJ, 742, 126.

In-flight measurement of the absolute energy scale of the Fermi Large Area Telescope, M. Ackermann et al. 2012, *Astropart. Phys.*, 35, 346.

Periodic Emission from the Gamma-Ray Binary 1FGL J1018.6-5856, M. Ackermann et al. 2012, *Science*, 335, 189.

Fermi Large Area Telescope Second Source Catalog, P. Nolan et al. 2012, ApJS, 199, 31.

A Statistical Approach to Recognizing Source Classes for Unassociated Sources in the First Fermi-LAT Catalog, M. Ackermann et al. 2012, ApJ, 753, 83.

The Fermi Large Area Telescope on Orbit: Event Classification, Instrument Response Functions, and Calibration, M. Ackermann et al. 2012, ApJS, 203, 4.

Associating Long-term g-Ray Variability with the Superorbital Period of LS I +61°303, M. Ackermann et al. 2013, ApJ, 773, L35.

PSR J2021+4026 in the Gamma Cygni region: the first variable gamma-ray pulsar seen by the Fermi LAT, A. Allafort et al. 2013, ApJ, 777, L2.

The First Fermi-LAT Catalog of Sources above 10 GeV, Ackermann, M. et al. 2013, ApJS, 209,

34.

Fermi Large Area Telescope Third Source Catalog, Acero, F. et al., 2015, ApJS, 218, 23.

An extremely bright gamma-ray pulsar in the Large Magellanic Cloud, Ackermann, M. et al., 2015, *Science*, 350, 801.

The semicentennial binary system PSR J2032+4127 at periastron: X-ray photometry, optical spectroscopy, and SPH modelling, Coe, M. J., et al., 2019, MNRAS, 485, 1864.

Conference Proceedings:

Implementation of an Offset-dipole Magnetic Field in a Pulsar Modelling Code, M. Breed, C. Venter, A. K. Harding, & **T. J. Johnson**, Proceedings of the 58th Annual Conference of the South African Institute of Physics (arXiv:1411.1835).

Modeling the γ -ray and Radio Light Curves of the Double Pulsar System, A. S. Seyffert, C. Venter, A. K. Harding, & **T. J. Johnson**, Proceedings of the 58th Annual Conference of the South African Institute of Physics, pp. 380-384 (arXiv:1411.0881).

Modeling the Light Curves of Fermi LAT Millisecond Pulsars, C. Venter, **T. J. Johnson**, A. K. Harding, & J. E. Grove, Proceedings of the 58th Annual Conference of the South African Institute of Physics (arXiv:1411.0559).

Modeling the Pulse Profiles of Millisecond Pulsars in the Second LAT Catalog of Gamma-ray Pulsars, **T. J. Johnson**, A. K. Harding, C. Venter, & J. E. Grove, on behalf of the Fermi LAT Collaboration and Pulsar Timing Consortium, Proceedings of the 5th International Symposium on High-Energy Gamma-ray Astronomy (arXiv:1210.1504).

The Anatomy of \mathcal{Y} -ray Pulsar Light Curves, A. S. Seyffert, C. Venter, **T. J. Johnson**, & A. K. Harding, Proceedings of the 57th Annual Conference of the South African Institute of Physics (arXiv:1501.06768).

The Effect of Different Magnetospheric Structures on Predictions of Gamma-ray Pulsar Light Curves, M. Breed, C. Venter, A. K. Harding, & **T. J. Johnson**, Proceedings of the 57th Annual Conference of the South African Institute of Physics (arXiv:1501.05117).

Constraining viewing geometries of pulsars with single-peaked gamma-ray profiles using a multiwavelength approach, A. S. Seyffert, C. Venter, **T. J. Johnson**, & A. K. Harding 2011, Proceedings of the 56th Annual Conference of the South African Institute of Physics (arXiv:1201.4272).

What Can we learn from phase alignment of gamma-ray and radio pulsar light curves?, C. Venter, **T. J. Johnson**, & A. K. Harding 2011, Proceedings of the 56th Annual Conference of the South African Institute of Physics (arXiv:1112.3165).

Modeling Light Curves of the Phase-Aligned Gamma-ray Millisecond Pulsar Subclass, C. Venter, **T. J. Johnson**, & A. K. Harding 2011, Proceedings of the 3rd Fermi Symposium, eConf C110509 (arXiv:1111.1248).

Modeling and Maximum Likelihood Fitting of Gamma-Ray and Radio Light Curves of Millisecond Pulsars Detected with Fermi, **T. J. Johnson**, A. K. Harding, & C. Venter 2011, Proceedings of the 3rd Fermi Symposium, eConf C110509 (arXiv:1110.5476).

Multiwavelength analysis of four millisecond pulsars, L. Guillemot, I. Cognard, **T. J. Johnson**, C. Venter, & A. K. Harding, Radio Pulsars: An Astrophysical Key to Unlock the Secrets of the Universe, AIP Conference Proceedings, 1357, 241.

Observations and Modeling of Gamma-ray Millisecond Pulsars seen with the Fermi LAT, **T. J. Johnson**, C. Venter, A. K. Harding, & L. Guillemot, Radio Pulsars: An Astrophysical Key to Unlock the Secrets of the Universe, AIP Conference Proceedings, 1357, 237.

On the Phase-Averaged Spectrum of Pulsars and Shape of Their Cutoffs, Ö. Çelik & **T. J. Johnson**, Radio Pulsars: An Astrophysical Key to Unlock the Secrets of the Universe, AIP Conference Proceedings, 1357, 225.

Very Fine Time-Resolved Spectral Studies of the Vela Pulsar, **T. J. Johnson**, Ö. Çelik, M. Kerr, A. K. Harding, & G. A. Caliendo 2009, Proceedings of the 2nd Fermi Symposium, eConf C091122 (arXiv:0912.3813).