

Stanford



Roger Romani

Professor of Physics

Bio

ACADEMIC APPOINTMENTS

- Professor, Physics

Teaching

COURSES

2022-23

- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Modern Astrophysics: PHYSICS 360 (Aut)

2021-22

- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)

2020-21

- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Modern Astrophysics: PHYSICS 360 (Aut)

2019-20

- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Alexander Madurowicz

Doctoral Dissertation Advisor (AC)

Lawrence Peirson, Josephine Wong

Publications

PUBLICATIONS

- **The Bow Shock and Kinematics of PSR J1959+2048** *ASTROPHYSICAL JOURNAL*
Romani, R. W., Deller, A., Guillemot, L., Ding, H., de Vries, M., Parker, C., Zavala, R. T., Chalumeau, A., Cognard, I.
2022; 930 (2)
- **Testing High-energy Emission Models for Blazars with X-Ray Polarimetry** *ASTROPHYSICAL JOURNAL*
Peirson, A. L., Liodakis, I., Romani, R. W.

2022; 931 (1)

- **The Long Filament of PSR J2030+4415** *ASTROPHYSICAL JOURNAL*
de Vries, M., Romani, R. W.
2022; 928 (1)
- **Toward Optimal Signal Extraction for Imaging X-Ray Polarimetry** *ASTROPHYSICAL JOURNAL*
Peirson, A. L., Romani, R. W.
2021; 920 (1)
- **XMM-Newton Observes the Intrabinary Shock of PSR J1959+2048** *ASTROPHYSICAL JOURNAL LETTERS*
Kandel, D., Romani, R. W., An, H.
2021; 917 (1)
- **A polarized view of the hot and violent universe** *EXPERIMENTAL ASTRONOMY*
Soffitta, P., Bucciantini, N., Churazov, E., Costa, E., Dovciak, M., Feng, H., Heyl, J., Ingram, A., Jahoda, K., Kaaret, P., Kallman, T., Karas, V., Khabibullin, et al
2021
- **PSR J1810+1744: Companion Darkening and a Precise High Neutron Star Mass** *ASTROPHYSICAL JOURNAL LETTERS*
Romani, R. W., Kandel, D., Filippenko, A. V., Brink, T. G., Zheng, W.
2021; 908 (2)
- **PSR J1709-4429's Proper Motion and Its Relationship to SNR G343.1-2.3** *ASTROPHYSICAL JOURNAL*
de Vries, M., Romani, R. W., Kargaltsev, O., Pavlov, G., Posselt, B., Slane, P., Bucciantini, N., Ng, C. Y., Klingler, N.
2021; 908 (1)
- **The Imaging X-ray Polarimetry Explorer (IXPE): technical overview III**
Soffitta, P., Attina, P., Baldini, L., Barbanera, M., Baumgartner, W. H., Bellazzini, R., Bladt, J., Bongiorno, S. D., Brez, A., Castellano, S., Carpentiero, R., Castronuovo, M., Cavalli, et al
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **The Imaging X-Ray Polarimetry Explorer (IXPE): Technical Overview IV**
Ramsey, B. D., Attina, P., Baldini, L., Barbanera, M., Baumgartner, W. H., Bellazzini, R., Bladt, J., Bongiorno, S. D., Brez, A., Castellano, S., Carpentiero, R., Castronuovo, M., Cavalli, et al
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **X-Ray Constraints on the Spectral Energy Distribution of the $z=5.18$ Blazar SDSS J013127.34-032100.1** *ASTROPHYSICAL JOURNAL*
An, H., Romani, R. W.
2020; 904 (1)
- **Heated Poles on the Companion of Redback PSR J2339-0533** *ASTROPHYSICAL JOURNAL*
Kandel, D., Romani, R. W., Filippenko, A., Brink, T. G., Zheng, W.
2020; 903 (1)
- **Orbital Modulation of Gamma Rays from PSR J2339-0533** *ASTROPHYSICAL JOURNAL*
An, H., Romani, R. W., Kerr, M., Fermi-LAT Collaboration
2020; 897 (1)
- **PSR J2030+4415's Remarkable Bow Shock, PWN, and Filament** *ASTROPHYSICAL JOURNAL LETTERS*
de Vries, M., Romani, R. W.
2020; 896 (1)
- **Atmospheric Circulation on Black Widow Companions** *ASTROPHYSICAL JOURNAL*
Kandel, D., Romani, R. W.
2020; 892 (2)
- **The Polarization Behavior of Relativistic Synchrotron Self-Compton Jets** *ASTROPHYSICAL JOURNAL*
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- **Multiband Optical Light Curves of Black-widow Pulsars** *ASTROPHYSICAL JOURNAL*

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- Draghis, P., Romani, R. W., Filippenko, A. V., Brink, T. G., Zheng, W., Halpern, J. P., Camilo, F.
2019; 883 (1)
- **Prospects for Detecting X-Ray Polarization in Blazar Jets** *ASTROPHYSICAL JOURNAL*
Lioudakis, I., Peirson, A. L., Romani, R. W.
2019; 880 (1)
 - **Probing Blazar Emission Processes with Optical/Gamma-Ray Flare Correlations** *ASTROPHYSICAL JOURNAL*
Lioudakis, I., Romani, R. W., Filippenko, A., Kocevski, D., Zheng, W.
2019; 880 (1)
 - **The Synchrotron Emission Pattern of Intra-binary Shocks** *ASTROPHYSICAL JOURNAL*
Kandel, D., Romani, R. W., An, H.
2019; 879 (2)
 - **The Imaging X-ray Polarimetry Explorer (IXPE): technical overview II**
O'Dell, S. L., Attina, P., Baldini, L., Barbanera, M., Baumgartner, W. H., Bellazzini, R., Bladt, J., Bongiorno, S. D., Brez, A., Cavazzuti, E., Citraro, S., Costa, E., Deininger, et al
SPIE-INT SOC OPTICAL ENGINEERING.2019
 - **Signatures of Intra-binary Shock Emission in the Black Widow Pulsar Binary PSR J2241-5236** *ASTROPHYSICAL JOURNAL LETTERS*
An, H., Romani, R. W., Kerr, M.
2018; 868 (1)
 - **PSR J0636+5128: A Heated Companion in a Tight Orbit** *ASTROPHYSICAL JOURNAL LETTERS*
Draghis, P., Romani, R. W.
2018; 862 (1)
 - **The Data Release of the Sloan Digital Sky Survey-II Supernova Survey** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC*
Sako, M., Bassett, B., Becker, A. C., Brown, P. J., Campbell, H., Wolf, R., Cinabro, D., D'Andrea, C. B., Dawson, K. S., DeJongh, F., Depoy, D. L., Dilday, B., Doi, et al
2018; 130 (988)
 - **SED Constraints on the Highest-z Blazar Jet: QSO J0906+6930** *ASTROPHYSICAL JOURNAL*
An, H., Romani, R. W.
2018; 856 (2)
 - **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar** *SCIENCE ADVANCES*
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Kerr, M., Johnson, T. J., Camilo, F., Salvetti, D., Allen, B., Anderson, D., Aulbert, C., Beer, C., Bock, et al
2018; 4 (2)
 - **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar.** *Science advances*
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Kerr, M., Johnson, T. J., Camilo, F., Salvetti, D., Allen, B., Anderson, D., Aulbert, C., Beer, C., Bock, et al
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 - **The Imaging X-ray Polarimetry Explorer (IXPE): technical overview**
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 - **The Asymmetric Bow Shock/Pulsar Wind Nebula of PSR J2124-3358** *ASTROPHYSICAL JOURNAL*
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 - **Light Curve and SED Modeling of the Gamma-Ray Binary 1FGL J1018.6-5856: Constraints on the Orbital Geometry and Relativistic Flow** *ASTROPHYSICAL JOURNAL*
An, H., Romani, R. W.
2017; 838 (2)
 - **GEMINGA'S PUZZLING PULSAR WIND NEBULA** *ASTROPHYSICAL JOURNAL*
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- 2017; 835 (1)
- **DEEP CHANDRA OBSERVATIONS OF THE PULSAR WIND NEBULA CREATED BY PSR B0355+54** *ASTROPHYSICAL JOURNAL*
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2016; 833 (2)
 - **PSR J1301+0833: A KINEMATIC STUDY OF A BLACK-WIDOW PULSAR** *ASTROPHYSICAL JOURNAL*
Romani, R. W., Graham, M. L., Filippenko, A. V., Zheng, W.
2016; 833 (2)
 - **INTRA-BINARY SHOCK HEATING OF BLACK WIDOW COMPANIONS** *ASTROPHYSICAL JOURNAL*
Romani, R. W., Sanchez, N.
2016; 828 (1)
 - **BINARY BLACK HOLES, GAS SLOSHING, AND COLD FRONTS IN THE X-RAY HALO HOSTING 4C+37.11** *ASTROPHYSICAL JOURNAL*
Andrade-Santos, F., Bogdan, A., Romani, R. W., Forman, W. R., Jones, C., Murray, S. S., Taylor, G. B., Zavala, R. T.
2016; 826 (1)
 - **Compact symmetric objects and supermassive binary black holes in the VLBA Imaging and Polarimetry Survey** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
Tremblay, S. E., Taylor, G. B., Ortiz, A. A., Tremblay, C. D., Helmboldt, J. F., Romani, R. W.
2016; 459 (1): 820-840
 - **The Imaging X-ray Polarimetry Explorer (IXPE)** *RESULTS IN PHYSICS*
Weisskopf, M. C., Ramsey, B., O'Dell, S. L., Tennant, A., Elsner, R., Soffita, P., Bellazzini, R., Costa, E., Kolodziejczak, J., Kaspi, V., Mulieri, F., Marshall, H., Matt, et al
2016; 6: 1179-1180
 - **A LIKELY MILLISECOND PULSAR BINARY COUNTERPART FOR FERMI SOURCE 2FGL J2039.6-5620** *ASTROPHYSICAL JOURNAL LETTERS*
Romani, R. W.
2015; 812 (2)
 - **CHARACTERIZATION OF THE INNER KNOT OF THE CRAB: THE SITE OF THE GAMMA-RAY FLARES?** *ASTROPHYSICAL JOURNAL*
Rudy, A., Horns, D., Deluca, A., Kolodziejczak, J., Tennant, A., Yuan, Y., Buehler, R., Arons, J., Blandford, R., Caraveo, P., Costa, E., Funk, S., Hays, et al
2015; 811 (1)
 - **KECK SPECTROSCOPY OF MILLISECOND PULSAR J2215+5135: A MODERATE- M-NS, HIGH-INCLINATION BINARY** *ASTROPHYSICAL JOURNAL LETTERS*
Romani, R. W., Graham, M. L., Filippenko, A. V., Kerr, M.
2015; 809 (1)
 - **ECHELLE SPECTROSCOPY OF gamma-RAY BINARY 1FGL J1018.6-5856** *ASTROPHYSICAL JOURNAL*
Waisberg, I. R., Romani, R. W.
2015; 805 (1)
 - **A SPECTROSCOPIC STUDY OF THE EXTREME BLACK WIDOW PSR J1311-3430** *ASTROPHYSICAL JOURNAL*
Romani, R. W., Filippenko, A. V., Cenko, S. B.
2015; 804 (2)
 - **X-RAY ANALYSIS OF THE PROPER MOTION AND PULSAR WIND NEBULA FOR PSR J1741-2054** *ASTROPHYSICAL JOURNAL*
Auchettl, K., Slane, P., Romani, R. W., Posselt, B., Pavlov, G. G., Kargaltsev, O., Ng, C., Temim, T., Weisskopf, M. C., Bykov, A., Swartz, D. A.
2015; 802 (1)
 - **THE ORIGIN OF THE EXTRAGALACTIC GAMMA-RAY BACKGROUND AND IMPLICATIONS FOR DARK MATTER ANNIHILATION** *ASTROPHYSICAL JOURNAL LETTERS*
Ajello, M., Gasparrini, D., Sanchez-Conde, M., Zaharijas, G., Gustafsson, M., Cohen-Tanugi, J., Dermer, C. D., Inoue, Y., Hartmann, D., Ackermann, M., Bechtol, K., Franckowiak, A., Reimer, et al
2015; 800 (2)
 - **TEMPORAL CORRELATIONS BETWEEN OPTICAL AND GAMMA-RAY ACTIVITY IN BLAZARS** *ASTROPHYSICAL JOURNAL*

- Cohen, D. P., Romani, R. W., Filippenko, A. V., Cenko, S. B., Lott, B., Zheng, W., Li, W.
2014; 797 (2)
- **Time correlation between the radio and gamma-ray activity in blazars and the production site of the gamma-ray emission** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
Max-Moerbeck, W., Hovatta, T., Richards, J. L., KING, O. G., Pearson, T. J., Readhead, A. C., Reeves, R., Shepherd, M. C., Stevenson, M. A., Angelakis, E., Fuhrmann, L., Grainge, K. J., Pavlidou, et al
2014; 445 (1): 428-436
 - **2FGL J1653.6-0159: A NEW LOW IN EVAPORATING PULSAR BINARY PERIODS** *ASTROPHYSICAL JOURNAL LETTERS*
Romani, R. W., Filippenko, A. V., Cenko, S. B.
2014; 793 (1)
 - **Two active states of the narrow-line gamma-ray-loud AGN GB 1310+487** *ASTRONOMY & ASTROPHYSICS*
Sokolovsky, K. V., Schinzel, F. K., Tanaka, Y. T., Abolmasov, P. K., Angelakis, E., Bulgarelli, A., Carrasco, L., Cenko, S. B., Cheung, C. C., Clubb, K. I., D'Ammando, F., ESCANDE, L., Fegan, et al
2014; 565
 - **Astronomy. Pulsar beams--big and bright.** *Science*
Romani, R. W.
2014; 344 (6180): 159-160
 - **A SURVEY FOR H alpha PULSAR BOW SHOCKS** *ASTROPHYSICAL JOURNAL*
Brownsberger, S., Romani, R. W.
2014; 784 (2)
 - **IMAGING REDSHIFT ESTIMATES FOR FERMI BL LAC OBJECTS** *ASTROPHYSICAL JOURNAL*
Stadnik, M., Romani, R. W.
2014; 784 (2)
 - **A MULTI-WAVELENGTH STUDY OF THE HOST ENVIRONMENT OF SMBHB 4C+37.11** *ASTROPHYSICAL JOURNAL*
Romani, R. W., Forman, W. R., Jones, C., Murray, S. S., Readhead, A. C., Taylor, G. B., Zavala, R. T.
2014; 780 (2)
 - **THE COSMIC EVOLUTION OF FERMI BL LACERTAE OBJECTS** *ASTROPHYSICAL JOURNAL*
Ajello, M., Romani, R. W., Gasparri, D., Shaw, M. S., BOLMER, J., Cotter, G., Finke, J., Greiner, J., Healey, S. E., King, O., Max-Moerbeck, W., Michelson, P. F., Potter, et al
2014; 780 (1)
 - **BROADBAND PULSATIONS FROM PSR B1821-24: IMPLICATIONS FOR EMISSION MODELS AND THE PULSAR POPULATION OF M28** *ASTROPHYSICAL JOURNAL*
Johnson, T. J., Guillemot, L., Kerr, M., Cognard, I., Ray, P. S., Wolff, M. T., Begin, S., Janssen, G. H., Romani, R. W., Venter, C., Grove, J. E., Freire, P. C., Wood, et al
2013; 778 (2)
 - **PSR J2021+4026 IN THE GAMMA CYGNI REGION: THE FIRST VARIABLE gamma-RAY PULSAR SEEN BY THE Fermi LAT** *ASTROPHYSICAL JOURNAL LETTERS*
Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Bonamente, E., Bottacini, E., Brandt, T. J., Bregeon, J., Bruel, P., Buehler, et al
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 - **PHOTOMETRICALLY TRIGGERED KECK SPECTROSCOPY OF FERMI BL LACERTAE OBJECTS** *ASTRONOMICAL JOURNAL*
Shaw, M. S., Filippenko, A. V., Romani, R. W., Cenko, S. B., Li, W.
2013; 146 (5)
 - **Search for gamma-ray spectral lines with the Fermi Large Area Telescope and dark matter implications** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonamente, E., Bottacini, et al
2013; 88 (8)
 - **THE VELA-X PULSAR WIND NEBULA REVISITED WITH FOUR YEARS OF FERMI LARGE AREA TELESCOPE OBSERVATIONS** *ASTROPHYSICAL JOURNAL*

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- Grondin, M., Romani, R. W., Lemoine-Goumard, M., Guillemot, L., Harding, A. K., Reposeur, T.
2013; 774 (2)
- **GMRT DISCOVERY OF PSR J1544+4937: AN ECLIPSING BLACK-WIDOW PULSAR IDENTIFIED WITH A FERMI-LAT SOURCE** *ASTROPHYSICAL JOURNAL LETTERS*
Bhattacharyya, B., Roy, J., Ray, P. S., Gupta, Y., Bhattacharya, D., Romani, R. W., Ransom, S. M., Ferrara, E. C., Wolff, M. T., Camilo, F., Cognard, I., Harding, A. K., den Hartog, et al
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 - **FERMI LAT PULSED DETECTION OF PSR J0737-3039A IN THE DOUBLE PULSAR SYSTEM** *ASTROPHYSICAL JOURNAL*
Guillemot, L., Kramer, M., Johnson, T. J., Craig, H. A., Romani, R. W., Venter, C., Harding, A. K., Ferdman, R. D., Stairs, I. H., Kerr, M.
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 - **CHANDRA, KECK, AND VLA OBSERVATIONS OF THE CRAB NEBULA DURING THE 2011-APRIL GAMMA-RAY FLARE** *ASTROPHYSICAL JOURNAL*
Weisskopf, M. C., Tennant, A. F., Arons, J., Blandford, R., Buehler, R., Caraveo, P., Cheung, C. C., Costa, E., De Luca, A., Ferrigno, C., Fu, H., Funk, S., Habermehl, et al
2013; 765 (1)
 - **SPECTROSCOPY OF THE LARGEST EVER gamma-RAY-SELECTED BL LAC SAMPLE** *ASTROPHYSICAL JOURNAL*
Shaw, M. S., Romani, R. W., Cotter, G., Healey, S. E., Michelson, P. F., Readhead, A. C., Richards, J. L., Max-Moerbeck, W., King, O. G., Potter, W. J.
2013; 764 (2)
 - **RADIO DETECTION OF THE FERMI-LAT BLIND SEARCH MILLISECOND PULSAR J1311-3430** *ASTROPHYSICAL JOURNAL LETTERS*
Ray, P. S., Ransom, S. M., Cheung, C. C., Giroletti, M., Cognard, I., Camilo, F., Bhattacharyya, B., Roy, J., Romani, R. W., Ferrara, E. C., Guillemot, L., Johnston, S., Keith, et al
2013; 763 (1)
 - **Binary Millisecond Pulsar Discovery via Gamma-Ray Pulsations** *SCIENCE*
Pletsch, H. J., Guillemot, L., Fehrmann, H., Allen, B., Kramer, M., Aulbert, C., Ackermann, M., Ajello, M., De Angelis, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, et al
2012; 338 (6112): 1314-1317
 - **PSR J1311-3430: A HEAVYWEIGHT NEUTRON STAR WITH A FLYWEIGHT HELIUM COMPANION** *ASTROPHYSICAL JOURNAL LETTERS*
Romani, R. W., Filippenko, A. V., Silverman, J. M., Cenko, S. B., Greiner, J., Rau, A., Elliott, J., Pletsch, H. J.
2012; 760 (2)
 - **ALTITUDE LIMITS FOR ROTATING VECTOR MODEL FITTING OF PULSAR POLARIZATION** *ASTROPHYSICAL JOURNAL*
Craig, H. A., Romani, R. W.
2012; 755 (2)
 - **A CHANDRA PROPER MOTION FOR PSR J1809-2332** *ASTROPHYSICAL JOURNAL*
Van Etten, A., Romani, R. W., Ng, C.
2012; 755 (2)
 - **2FGL J1311.7-3429 JOINS THE BLACK WIDOW CLUB** *ASTROPHYSICAL JOURNAL LETTERS*
Romani, R. W.
2012; 754 (2)
 - **ASSESSING THE SIGNIFICANCE OF APPARENT CORRELATIONS BETWEEN RADIO AND GAMMA-RAY BLAZAR FLUXES** *ASTROPHYSICAL JOURNAL*
Pavlidou, V., Richards, J. L., Max-Moerbeck, W., KING, O. G., Pearson, T. J., Readhead, A. C., Reeves, R., Stevenson, M. A., Angelakis, E., Fuhrmann, L., Zensus, J. A., Giroletti, M., Reimer, et al
2012; 751 (2)
 - **THE LUMINOSITY FUNCTION OF FERMI-DETECTED FLAT-SPECTRUM RADIO QUASARS** *ASTROPHYSICAL JOURNAL*
Ajello, M., Shaw, M. S., Romani, R. W., Dermer, C. D., Costamante, L., KING, O. G., Max-Moerbeck, W., Readhead, A., Reimer, A., Richards, J. L., Stevenson, M.
2012; 751 (2)
 - **GAMMA-RAY ACTIVITY IN THE CRAB NEBULA: THE EXCEPTIONAL FLARE OF 2011 APRIL** *ASTROPHYSICAL JOURNAL*
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- Buehler, R., Scargle, J. D., Blandford, R. D., Baldini, L., Baring, M. G., Belfiore, A., Charles, E., Chiang, J., D'Ammando, F., Dermer, C. D., Funk, S., Grove, J. E., Harding, et al
2012; 749 (1)
- **SPECTROSCOPY OF BROAD-LINE BLAZARS FROM ILAC** *ASTROPHYSICAL JOURNAL*
Shaw, M. S., Romani, R. W., Cotter, G., Healey, S. E., Michelson, P. F., Readhead, A. C., Richards, J. L., Max-Moerbeck, W., King, O. G., Potter, W. J.
2012; 748 (1)
 - **PSR J2030+3641: RADIO DISCOVERY AND GAMMA-RAY STUDY OF A MIDDLE-AGED PULSAR IN THE NOW IDENTIFIED FERMI-LAT SOURCE 1FGL J2030.0+3641** *ASTROPHYSICAL JOURNAL*
Camilo, F., Kerr, M., Ray, P. S., Ransom, S. M., Johnston, S., Romani, R. W., Parent, D., DeCesar, M. E., Harding, A. K., Donato, D., Parkinson, P. M., Ferrara, E. C., Freire, et al
2012; 746 (1)
 - **Periodic Emission from the Gamma-Ray Binary 1FGL J1018.6-5856** *SCIENCE*
Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Bastieri, D., Belfiore, A., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bregeon, et al
2012; 335 (6065): 189-193
 - **CONTEMPORANEOUS VLBA 5 GHz OBSERVATIONS OF LARGE AREA TELESCOPE DETECTED BLAZARS** *ASTROPHYSICAL JOURNAL*
Linford, J. D., Taylor, G. B., Romani, R. W., Helmboldt, J. F., Readhead, A. C., Reeves, R., Richards, J. L.
2012; 744 (2)
 - **Measurement of Separate Cosmic-Ray Electron and Positron Spectra with the Fermi Large Area Telescope** *PHYSICAL REVIEW LETTERS*
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2012; 108 (1)
 - **THE ORBIT AND COMPANION OF PROBABLE gamma-RAY PULSAR J2339-0533** *ASTROPHYSICAL JOURNAL LETTERS*
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2011; 743 (2)
 - **OBSERVATIONS OF ENERGETIC HIGH MAGNETIC FIELD PULSARS WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
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 - **THE IDENTIFICATION OF THE X-RAY COUNTERPART TO PSR J2021+4026** *ASTROPHYSICAL JOURNAL*
Weisskopf, M. C., Romani, R. W., Razzano, M., Belfiore, A., Parkinson, P. S., Ray, P. S., Kerr, M., Harding, A., Swartz, D. A., Carraminana, A., Ziegler, M., Becker, W., De Luca, et al
2011; 743 (1)
 - **MULTI-ZONE MODELING OF THE PULSAR WIND NEBULA HESS J1825-137** *ASTROPHYSICAL JOURNAL*
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