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

Postdoctoral Research Mentor

Martijn Nicolaas De Vries

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.
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de Vries, M., Romani, R. W.  
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Peirson, A. L., Romani, R. W.  
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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., Castronovo, M., Cavalli, et al  
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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., Castronovo, M., Cavalli, et al  
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An, H., Romani, R. W.  
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2020; 897 (1)

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2020; 896 (1)

Atmospheric Circulation on Black Widow Companions  
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- **The Synchrotron Emission Pattern of Intrabinary Shocks** *ASTROPHYSICAL JOURNAL*
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  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
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- **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar**. *Science advances*
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2015; 804 (2)

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Auchettl, K., Slane, P., Romani, R. W., Possett, B., Pavlov, G. G., Kargaltsev, O., Ng, C., Temim, T., Weisskopf, M. C., Bykov, A., Swartz, D. A.
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• TEMPORAL CORRELATIONS BETWEEN OPTICAL AND GAMMA-RAY ACTIVITY IN BLAZARS ASTROPHYSICAL JOURNAL  
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• 2FGL J1653.6-0159: A NEW LOW IN EVAPORATING PULSAR BINARY PERIODS ASTROPHYSICAL JOURNAL LETTERS  
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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  
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• Astronomy. Pulsar beams--big and bright. Science  
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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.  
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• A MULTI-WAVELENGTH STUDY OF THE HOST ENVIRONMENT OF SMBHB 4C+37.11 ASTROPHYSICAL JOURNAL  
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2014; 780 (2)  
• THE COSMIC EVOLUTION OF FERMI BL LACERTAE OBJECTS ASTROPHYSICAL JOURNAL  
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• THE VELA-X PULSAR WIND NEBULA REVISITED WITH FOUR YEARS OF FERMI LARGE AREA TELESCOPE OBSERVATIONS ASTROPHYSICAL JOURNAL
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• A CHANDRA PROPER MOTION FOR PSR J1809-2332 ASTROPHYSICAL JOURNAL
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• ASSESSING THE SIGNIFICANCE OF APPARENT CORRELATIONS BETWEEN RADIO AND GAMMA-RAY BLAZAR FLUXES ASTROPHYSICAL JOURNAL
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• **THE LUMINOSITY FUNCTION OF FERMI-DETECTED FLAT-SPECTRUM RADIO QUASARS** *ASTROPHYSICAL JOURNAL*
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