

Stanford



Peter Michelson

Luke Blossom Professor in the School of Humanities and Sciences
Physics

Bio

ACADEMIC APPOINTMENTS

- Professor, Physics

Teaching

COURSES

2017-18

- Classical Mechanics Laboratory: PHYSICS 42 (Win)
- Frontiers of Physics Research: PHYSICS 59 (Aut)
- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Spr)

2016-17

- Frontiers of Physics Research: PHYSICS 59 (Aut)
- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Spr)

2015-16

- Classical Mechanics Laboratory: PHYSICS 42 (Win)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Win)

2014-15

- Mechanics and Heat: PHYSICS 21 (Aut)
- Mechanics and Heat Laboratory: PHYSICS 22 (Aut)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Win)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Alice Allafort

Publications

PUBLICATIONS

- **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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- **SPECTROSCOPY OF BROAD-LINE BLAZARS FROM 1LAC** *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)
- **Fermi Gamma-Ray Space Telescope** *OPTICAL ENGINEERING*
McEnergy, J. E., Michelson, P. F., Paciesas, W. S., Ritz, S.
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- **Fermi Gamma-ray Space Telescope: high-energy results from the first year** *REPORTS ON PROGRESS IN PHYSICS*
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- **THE LARGE AREA TELESCOPE ON THE FERMI GAMMA-RAY SPACE TELESCOPE MISSION** *ASTROPHYSICAL JOURNAL*
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2009; 697 (2): 1071-1102
- **A celestial gamma-ray foreground due to the albedo of small solar system bodies and a remote probe of the interstellar cosmic-ray spectrum** *ASTROPHYSICAL JOURNAL*
Moskalenko, I. V., Porter, T. A., Digel, S. W., Michelson, P. F.
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- **CGRaBS: An all-sky survey of gamma-ray blazar candidates** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Healey, S. E., Romani, R. W., Cotter, G., Michelson, P. F., Schlafly, E. F., Readhead, A. C., Giommi, P., Chaty, S., Grenier, I. A., Weintraub, L. C.
2008; 175 (1): 97-104
- **Window on the extreme universe** *SCIENTIFIC AMERICAN*
Atwood, W. B., Michelson, P. F., Ritz, S.
2007; 297 (6): 54-61
- **The VLBA imaging and polarimetry survey at 5 GHz** *ASTROPHYSICAL JOURNAL*
Helmboldt, J. F., Taylor, G. B., Tremblay, S., Fassnacht, C. D., Walker, R. C., Myers, S. T., Sjouwerman, L. O., Pearson, T. J., Readhead, A. C., WEINTRAUB, L.,
Gehrels, N., Romani, R. W., Healey, et al
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- **The large area telescope** *1st GLAST Symposium*
Michelson, P. F.
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- **GLAST large area telescope multiwavelength planning** *Conference on the Multi-Messenger Approach to High Energy Gamma-Ray Sources/3rd Workshop of the Nature of Unidentified High-Energy Sources*
Reimer, O., Michelson, P. F., Cameron, R. A., Digel, S. W., Thompson, D. J., Wood, K. S.
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- **VLBA imaging polarimetry of active galactic nuclei: An automated approach** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
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Sowards-Emmerd, D., Romani, R. W., Michelson, P. F.
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- **Developments in gamma-ray astronomy: A report on the non-thermal universe** *21st Texas Symposium on Relativistic Astrophysics*
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- **Results from the beam test of the engineering model of the GLAST large area telescope** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
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- **Phase-dependent spectral variability in 4U 1907+09** *ASTROPHYSICAL JOURNAL*
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- **Gamma-ray emission from extragalactic radio sources: EGRET observations of active galactic nuclei** *175th Symposium of the International-Astronomical-Union on Extragalactic Radio Sources*
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- **SPHERICAL RESONANT-MASS GRAVITATIONAL-WAVE DETECTORS** *PHYSICAL REVIEW D*
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- **EGRET observations of the diffuse galactic and extragalactic gamma-ray backgrounds** *NATO Advanced Study Institute on the Gamma Ray Sky with Compton GRO and SIGMA*
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- **THE UNIDENTIFIED GAMMA-RAY SOURCE GRO J1837+59** *2nd Compton Symposium*
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- **ULTRALOW TEMPERATURE RESONANT-MASS GRAVITATIONAL RADIATION DETECTORS - CURRENT STATUS OF THE STANFORD PROGRAM** *International Conference on Fluid Mechanics and Theoretical Physics, in Honor of Professor Pei-Yuan Chou 90th Anniversary*
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