

Jay Strader

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Education

Ph.D. Astronomy & Astrophysics. June 2007, University of California–Santa Cruz
Advisor: Jean Brodie
B.S. Physics & Mathematics. December 2001, Duke University
Distinction in Physics

Appointments

Associate Professor, Michigan State University	2017–
Assistant Professor, Michigan State University	2012–2017
Menzel Fellow, Harvard College Observatory	2010–2012
Hubble Fellow, Harvard College Observatory	2007–2010
Research Assistant, University of California–Santa Cruz	2002–2007

Fellowships and Awards

Packard Fellowship, 2015–2020
Menzel Fellowship, 2010–2012
Hubble Fellowship, 2007–2010
ARCS Scholarship, 2006
Whitford Prize (UC-Santa Cruz), 2004
NSF Graduate Research Fellowship, 2003–2006
Provost’s Fellowship (UC-Santa Cruz), 2002

Research Grants (Amounts to Strader at MSU listed)

2017: Hubble Space Telescope (\$39K)
2016: Swift (\$24K)
2016: Hubble Space Telescope (\$37K)
2016: Hubble Space Telescope (\$79K)
2016: Chandra X-ray Observatory (\$91K)
2016: Chandra X-ray Observatory (\$42K)
2015: Packard Fellowship (\$875K)
2015: National Science Foundation (\$213K)
2015: Fermi Gamma-Ray Space Telescope (\$120K)
2015: Chandra X-ray Observatory (\$34K)
2014: Hubble Space Telescope (\$7K)
2014: Chandra X-ray Observatory (\$46K)
2013: Hubble Space Telescope (\$36K)

2013: National Science Foundation (\$268K)
2013: Hubble Space Telescope (\$37K)
2012: Hubble Space Telescope (\$92K)

Teaching

AST 825 (Galactic Astronomy). 8 students. MSU, Fall 2016
ISP 205 (Visions of the Universe). 335 students. MSU, Fall 2015 (2 sections)
AST 825 (Galactic Astronomy). 5 students. MSU, Fall 2014
ISP 205 (Visions of the Universe). 500 students. MSU, Fall 2013 (2 sections)
ISP 205 (Visions of the Universe). 220 students. MSU, Spring 2013

Professional Activities and Service

Chair, Star Clusters Science Subgroup for Large Synoptic Survey Telescope 2013–
Member, Stars, Milky Way, and Local Volume Science Working Group for Large
Synoptic Survey Telescope. 2008–

Principal Organizer, “Compact Objects in Michigan”, East Lansing, MI, 2017
Scientific Organizer, “Search for Dwarf Companions of the Milky Way and Beyond”,
Tucson, AZ, 2017
Scientific Organizer, “Sexten Center for Astrophysics Conference on Globular Clus-
ters”, Italy, 2017
Scientific Organizer, “SOAR Science 2020”, UNC/Rio de Janeiro, Brazil, 2017
Scientific Organizer, “Globular Clusters and Galaxy Halos”, Netherlands, 2016
Principal Organizer, “Compact Objects in Michigan”, East Lansing, MI, 2014
Organizer, OIR Seminar, Harvard/CfA. 2010–2012

Member, National Science Foundation Review Panel. 2015, 2016
External Reviewer, Cycle 24 *Hubble Space Telescope* Proposal Review, 2016
Member, Cycle 23 *Hubble Space Telescope* Review Panel. 2015
Judge, AAS Doxsey Travel Prize 2013, 2014
Member, Cycle 19 *Hubble Space Telescope* Review Panel. 2011
Referee, *The Astrophysical Journal*, *The Astrophysical Journal Letters*, *The Astro-
nomical Journal*, *Astronomy & Astrophysics*, *Monthly Notices of the Royal Astro-
nomical Society*. 2004–
Proposal Review, Gemini, CFHT, Chilean FONDECYT, Chinese Telescope Access
Program, Swiss NSF. 2004–

Member, Search Committee for AST Faculty Position, MSU. 2017–2018
Member, PHY Colloquium Committee, MSU. 2017–
Organizer, AST Seminar, MSU. 2012–2015, 2017–
Member, University Committee on Faculty Tenure, MSU. 2015–2017
Member, Search Committee for NSCL Faculty Position, MSU. 2015–2016
Member, Graduate Recruiting & Program Committee, MSU. 2012–2015
Creator and Organizer, AST journal club, MSU. 2012–

Member, MSU Thesis Committees (non-advisees: Tom Connor; Greg Meece, Ryan Connolly). 2013–

Students Advised

Graduate Students:

2015– Samuel Swihart (MSU)
2013– Laura Shishkovsky (MSU)
2013–2015 Tom Hettinger (MSU PhD 2015; now data scientist at Hotels.com)

2010–2012 Sooyoung Kim (Yonsei)
2007–2010 Julie Nantais (Harvard)
2005–2007 Kieran Forde (Galway)

Undergraduate Students:

2017 Jacob Davison (MSU; REU student)
2016–2017 Seth Bruzewski (MSU—grad school at U. of New Mexico)
2015–2017 Dustin Scriven (MSU; undergraduate thesis—grad school at Arizona St.)
2016 John Owens (MSU; undergraduate thesis)
2015–2016 Andrew Bundas (MSU; undergraduate thesis)
2015 Vladislav Jdanov (MSU)
2014–2015 David Saunders (MSU)
2013–2014 Alex McComb (MSU)
2013–2014 Erin May (MSU; undergraduate thesis—grad school at U. of Mich.)
2013–2014 Brandon Russell (MSU)
2013 Jacob Gruhn (MSU)
2004–2005 Lee Spitler (UCSC)

Postdocs Advised

2016– Arash Bahramian
2016– Chris Britt
2015– Kwan-Lok Li
2013–2016 Mark Peacock (now research associate with S. Zepf, MSU)
2013–2015 Ricardo Salinas (now Gemini Science Fellow, La Serena, Chile)

Invited Talks (since 2010)

Texas A&M University (Apr 2017)
Harvard-Smithsonian Center for Astrophysics (Mar 2017)
Case Western Reserve University (Mar 2017)
Ohio State University (Mar 2017)
University of Utah (Feb 2017)
Michigan State University (Nov 2016)
University of California–Los Angeles (May 2016)
Texas Tech University (Mar 2016)
Curtin University, Perth (Jul 2015)

Northwestern University (May 2015)
Columbia University (Oct 2014)
Wayne State University (Sep 2014)
Indiana University (May 2014)
University of Notre Dame (Feb 2014)
University of Pittsburgh (Oct 2013)
Liverpool John Moores University (Jul 2013)
University of Western Ontario (Dec 2012)
University of Michigan (Oct 2012)
Michigan State University (Feb 2012)
Harvard-Smithsonian Center for Astrophysics (Nov 2011)
Brown University (Nov 2011)
Space Telescope Science Institute (Mar 2010)
Northwestern University (Mar 2010)
Harvard-Smithsonian Center for Astrophysics (Feb 2010)

The Physics of Extreme Gravity Stars (Stockholm, Sweden; Jun 2017) – two talks
Globular Cluster Systems and Their Host Galaxies (Sextens, Italy; Jun 2017)
SOAR Science 2020 (Chapel Hill, NC; Mar 2017)
Packard Fellows Meeting 2016 (Monterey, CA; Sep 2016)
Star Clusters as Cosmic Laboratories for Astrophysics, Dynamics, and Fundamental Physics (Bologna, Italy; Apr 2016)
Astrophysics at Mayacamas Ranch (Calistoga, CA; Apr 2016)
Globular Clusters and Galaxy Halos (Leiden, Netherlands; Feb 2016)
Satellites and Streams in Santiago (Santiago, Chile; Apr 2015)
Ultra-Compact Binaries as Laboratories for Fundamental Physics (Aspen, CO; June 2014)
Dwarf Galaxies as Cosmological Probes (Aspen, CO; June 2014)
The Dance of Stars (Bad Honnef, Germany; Jun 2014)
ICNT 2013 (East Lansing, MI; Aug 2013)
Small Stellar Systems in Tuscany (Prato, Italy; Jun 2013)
SnowPAC 2013 (Snowmass, UT; Mar 2013)
MODEST-12 (Kobe, Japan; Aug 2012) – two talks
The Future of Astronomy (Evanston, IL; Sep 2011)
Stellar and Intermediate Mass Black Holes (Aspen, CO; Jun 2011)
Hubble Fellows Symposium (Baltimore, MD; Mar 2010)

Approved Telescope Proposals as PI (since 2010)

XMM: (2017, 73 ksec)
Hubble Space Telescope: (2015, 11 orbits; 2012, 28 orbits)
Chandra X-ray Observatory: (2015, 190 ksec; 2014, 33 ksec; 2012, 85 ksec)
Very Large Array: (2014, 228 hours; 2013, 188 hours; 2012, 26 hours)
Australia Telescope Compact Array: (2017, 19 hours; 2013, 94.5 hours)
Very Large Telescope: (2014, 1 hr; 2013, 4 hr)

Swift: (2014, 36 ksec)

MMT: (2012, 14 nights; 2011, 5 nights; 2010, 1 night)

Magellan: (2011, 3 nights; 2010, 2 nights)

Public Outreach

Kavli Foundation Roundtable, Dec 2016

Talk to MSU Astronomy Club, Feb 2015, East Lansing, MI

Week of guest tweeting from @astrotweeps account (> 4k followers), Feb 2015

Public talk, Oct 2014, Abrams Planetarium, East Lansing, MI

Public talk, May 2014, Kalamazoo Astronomical Society, Kalamazoo, MI

Volunteer Docent at MSU Observatory, Apr 2014, MSU Science Festival

Public talk, Oct 2013, University Lowbrow Astronomers, Ann Arbor, MI

Public talk, Feb 2013, Abrams Planetarium, East Lansing, MI

Refereed Publications

[Click for NASA/ADS link to refereed papers](#)

Bibliometric summary: 185 refereed papers total (5778 citations); 25 first-author refereed papers (941 citations). h -index = 44.

2017

185. **A likely redback millisecond pulsar counterpart of 3FGL J0838.8–2829.**

Halpern, J., *Strader, J.*, Li, M. 2017, *The Astrophysical Journal*, in press

184. **The ASAS-SN bright supernova catalog—III. 2016.**

Holoien, T., Brown, J., Stanek, K., Kochanek, C., Shappee, B., Prieto, J., Dong, S., Brimacombe, J., Bishop, D., Bose, S., Beacom, J., Bersier, D., Chen, P., Chomiuk, L., Falco, E., Godoy-Rivera, D., Morrell, N., Pojmanski, G., Shields, J., *Strader, J.*, Stritzinger, M., Thompson, T., Wozniak, P., Bock, G., Cacella, ., Conseil, E., Cruz, I., Fernandez, J., Kiyota, S., Koff, R., Krannich, G., Marples, P., Masi, G., Monard, L., Nicholls, B., Nicolas, J., Post, R., Stone, G., Wiethoff, W. 2017, *Monthly Notices of the Royal Astronomical Society*, in press

183. **The SLUGGS Survey: Trails of SLUGGS galaxies in a modified spin-ellipticity diagram.**

Bellstedt, S., Graham, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.* 2017, *Monthly Notices of the Royal Astronomical Society*, in press

182. **Hubble Space Telescope imaging of the ultra-compact high velocity cloud AGC 226067: A stripped remnant in the Virgo Cluster.**

Sand, D., Seth, A., Crnojevic, D., Spekkens, K., *Strader, J.*, Adams, E., Caldwell, N., Guhathakurta, P., Kenney, J., Randall, S., Simon, J., Toloba, E., Willman, B. 2017, *The Astrophysical Journal*, in press

181. **A radio emission analysis of classical nova V351 Pup (1991).**

Wendeln, C., Chomiuk, L., Finzell, T., Linford, J., *Strader, J.* 2017, *The Astrophysical Journal*, in press

180. **The SLUGGS Survey: Dark matter fractions at large radii and assembly epochs of earlytype galaxies from globular cluster kinematics.**

Alabi, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.*, Janz, J., Usher, C., Spitler, L., Bellstedt, S., Ferre-Mateu, A. 2017, *Monthly Notices of the Royal Astronomical Society*, 468, 3949

179. **Detailed abundances from integrated-light spectroscopy: Milky Way globular clusters.**

Larsen, S., Brodie, J., *Strader, J.* 2017, *Astronomy & Astrophysics*, 601, 96

178. Detection of supermassive black holes in Two Virgo ultracompact dwarf galaxies.

Ahn, C., Seth, A., den Brok, M., *Strader, J.*, Baumgardt, H., van den Bosch, R., Chilingarian, I., Frank, M., Hilker, M., McDermind, R., Mieske, S., Romanowsky, A., Spitler, L., Brodie, J., Neumayer, N., Walsh, J. 2017, *The Astrophysical Journal*, 839, 72

177. The ultracompact nature of the black hole candidate X-ray binary 47 Tuc X9.

Bahramian, A., Heinke, C., Tudor, V., Miller-Jones, J., Bogdanov, S., Maccarone, T., Knigge, C., Sivakoff, G., Chomiuk, L., *Strader, J.*, Garcia, J., Kallman, T. 2017, *Monthly Notices of the Royal Astronomical Society*, 467, 2199

176. The SLUGGS survey: A catalog of over 4000 globular cluster radial velocities in 27 nearby early-type galaxies.

Forbes, D., Alabi, A., Brodie, J., Romanowsky, A., *Strader, J.*, Foster, C., Usher, C., Spitler, L., Bellstedt, S., Pastorello, N., Villaume, A., Wasserman, A., Pota, V. 2017, *The Astronomical Journal*, 153, 114

175. Dynamical evidence for a strong tidal interaction between the Milky Way and its satellite, Leo V.

Collins, M., Tollerud, E., Sand, D., Bonaca, A., Willman, B., *Strader, J.* 2017, *Monthly Notices of the Royal Astronomical Society*, 467, 573

2016

174. A new γ -ray loud, eclipsing low-mass X-ray binary.

Strader, J., Li, K., Chomiuk, L., Heinke, C., Udalski, A., Peacock, M., Shishkovsky, L., Tremou, E. 2016, *The Astrophysical Journal*, 831, 89

173. Ultraluminous X-ray bursts in two ultracompact companions to nearby elliptical galaxies.

Irwin, J., Maksym, P., Sivakoff, G., Romanowsky, A., Lin, D., Speegle, T., Prado, I., Mildebrath, D., *Strader, J.*, Liu, J., Miller, J. 2016, *Nature*, 538, 356

172. Discovery of a redback millisecond pulsar candidate: 3FGL J0212.1+5320.

Li, K., Kong, A., Hou, X., Mao, J., *Strader, J.*, Chomiuk, L., Tremou, E. *The Astrophysical Journal Letters*, 833, 143

171. The overlooked role of stellar variability in the extended main sequence of LMC intermediate-age clusters. Salinas, R., Pajkos, M., *Strader, J.*, Vivas, K., Contreras Ramos, R. 2016, *ApJL*, 832, 14

170. The gamma-ray blazar quest: New optical spectra, state of art and

future perspectives.

Massaro, F., Alvarez Crespo, N., D'Abrusco, R., Landoni, M., Masetti, N., Ricci, F., Milisavljevic, D., Paggi, A., Chavushyan, V., Jimenez-Bailon, E.; Patino-Alvarez, V., *Strader, J.*, Chomiuk, L., La Franca, F., Smith, H., Tosti, G. 2016, *Astrophysics and Space Science*, 361, 337

169. Infrared high-resolution integrated light spectral analyses of M31 globular clusters from APOGEE.

Sakari, C., Shetrone, M., Schiavon, R., Bizyaev, D., Prieto, C., Beers, T., Caldwell, N., Garcia-Hernandez, D., Lucatello, S., Majewski, S., O'Connell, R., Pan, K., *Strader, J.* 2016, *The Astrophysical Journal*, 829, 116

168. A luminous gamma-ray binary in the Large Magellanic Cloud.

Corbet, R., Cheung, C., Chomiuk, L., Coe, M., Coley, J., Dubus, G., Edwards, P., Martin, P., McBride, V., Stevens, J., *Strader, J.*, Townsend, L., Udalski, A. 2016, *The Astrophysical Journal*, 829, 105

167. ASASSN-16ae: A powerful white-light flare on an early-L dwarf.

Schmidt, S., Shappee, B., Gange, J., Stanek, K., Prieto, J., Holoiien, T., Kochanek, C., Chomiuk, L., Dong, S., Seibert, M., *Strader, J.* 2016, *The Astrophysical Journal Letters*, 828, 22

166. First results from the MADCASH survey: A faint dwarf galaxy companion to the low mass spiral galaxy NGC 2403 at 3.2 Mpc.

Carlin, J., Sand, D., Price, P., Willman, B., Karunakaran, A., Spekkens, K., Bell, E., Brodie, J., Crnojevic, D., Forbes, D., Hargis, J., Kirby, E., Lupton, R., Peter, A., Romanowsky, A., *Strader, J.* 2016, *The Astrophysical Journal Letters*, 828, 5

165. An AO-assisted variability study of four globular clusters.

Salinas, R., Contreras Ramos, R., *Strader, J.*, Hakala, P., Catelan, M., Peacock, M., Simunovic, M. 2016, *The Astronomical Journal*, 152, 55

164. Discovery of a long-lived, high amplitude dusty infrared transient.

Britt, C., Maccarone, T., Green, J., Jonker, P., Hynes, R., Torres, M., *Strader, J.*, Chomiuk, L., Salinas, R., Lucas, P., Contreras Pena, C., Kurtev, R., Heinke, C., Smith, L., Wright, N., Johnson, C., Steeghs, D., Nelemans, G. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 2822

163. The SLUGGS Survey: The mass distribution in early-type galaxies within five effective radii and beyond.

Alabi, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.*, Janz, J., Pota, V., Pastorello, N., Usher, C., Spitler, L., Foster, C., Jennings, Z., Villaume, A., Kartha, S. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 3838

162. The first low-mass black hole X-ray binary identified in quiescence

outside of a globular cluster.

Tetarenko B., Bahramian, A., Arnason, R., Miller-Jones, J., Repetto, S., Heinke, C., Maccarone, T., Chomiuk, L., Sivakoff, G., *Strader, J.*, Kirsten, F., Vlemmings, W. 2016, *The Astrophysical Journal*, 825, 10

161. Disc–jet coupling in the Terzan 5 neutron star X-ray binary EXO 1745-248.

Tetarenko, A., Bahramian, A., Sivakoff, G., Tremou, E., Linares, M., Tudor, V., Miller-Jones, J., Heinke, C., Chomiuk, L., *Strader, J.*, Altamirano, D., Degenaar, N., Maccarone, T., Patruno, A., Sanna, A., Wijnands, R. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 345

160. Highest redshift image of neutral hydrogen in emission: A CHILES detection of a starbursting galaxy at $z = 0.376$.

Fernandez, X., Gim, H., van Gorkom, J., Yun, M., Momjian, E., Popping, A., Chomiuk, L., Hess, K., Hunt, L., Kreckel, K., Lucero, D., Maddox, N., Oosterloo, T., Pisano, D., Verheijen, M., Hales, C., Chung, A., Dodson, R., Golap, K., Gross, J., Henning, P., Hibbard, J., Jaffe, Y., Meyer, J., Meyer, M., Sanchez-Barrantes, M., Schiminovich, D., Wicenec, A., Wilcots, E., Bershad, M., Scoville, N., *Strader, J.*, Tremou, E., Salinas, R., Chavez, R. 2016, *The Astrophysical Journal Letters*, 824, 1

159. Identifying IGR J14091-6108 as a magnetic CV with a massive white dwarf using X-ray and optical observations.

Tomsick, T., Rahoui, F., Krivonos, R., Clavel, M., *Strader, J.*, Chomiuk, L. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 513

158. The extended halo of Centaurus A: Uncovering satellites, streams and substructures.

Crnojevic, D., Sand, D., Spekkens, K., Caldwell, N., Guhathakurta, P., McLeod, B., Seth, A., Simon, J., *Strader, J.*, Toloba, E. 2016, *The Astrophysical Journal*, 823, 19

157. Evidence that Hydra I is a tidally disrupting Milky Way dwarf galaxy.

Hargis, J., Kimmig, B., Willman, B., Caldwell, N., Walker, M., *Strader, J.*, Sand, D., Grillmair, C., Yoon, J. 2016, *The Astrophysical Journal*, 818, 39

156. Discovery of the candidate off-nuclear ultrasoft hyper-luminous X-ray source 3XMM J141711.1+522541.

Lin, D., Carrasco, E., Webb, N., Irwin, J., Dupke, R., Romanowsky, A., Ramirez-Ruiz, E., *Strader, J.*, Homan, J., Barret, D., Godet, O. 2016, *The Astrophysical Journal*, 821, 25

155. A deep search for prompt radio emission from thermonuclear supernovae with the Very Large Array.

Chomiuk, L., Soderberg, A., Chevalier, R., Bruzewski, S., Foley, R., Parrent, J., *Strader, J.*, Badenes, C., Fransson, C., Kamble, A., Margutti, R., Rupen, M., Simon,

J. 2016, *The Astrophysical Journal*, 821, 119

154. The SLUGGS survey: Exploring the globular cluster systems of the Leo II group and their global relationships.

Kartha, S., Forbes, D., Alabi, A., Brodie, J., Romanowsky, A., *Strader, J.*, Spitler, L., Jennings, Z., Roediger, J. 2016, *Monthly Notices of the Royal Astronomical Society*, 458, 105

153. The SLUGGS Survey: Globular clusters and the dark matter content of early-type galaxies.

Forbes, D., Alabi, A., Romanowsky, A., Brodie, J., *Strader, J.*, Usher, C., Pota, V. 2016, *Monthly Notices of the Royal Astronomical Society*, 458, 44

152. Optical spectroscopic observations of γ -ray blazar candidates VI. Further observations from TNG, WHT, OAN, SOAR and Magellan telescopes.

Alvarez Crespo, N., Massaro, F., Milisavljevic, D., Landoni, M., Chavushyan, V., Patino-Alvarez, V., Masetti, N., Jimenez-Bailon, E., *Strader, J.*, Chomiuk, L., Katarigiri, H., Kagaya, M., Cheung, C., Paggi, A., DAbrusco, R., Ricci, F., La Franca, F., Smith, H., Tosti, G. 2016, *The Astronomical Journal*, 151, 95

151. The SLUGGS Survey: The assembly histories of individual early-type galaxies.

Forbes, D., Romanowsky, A., Pastorello, N., Foster, C., Brodie, J., *Strader, J.*, Usher, C., Pota, V. 2016, *Monthly Notices of the Royal Astronomical Society*, 457, 1242

150. The SLUGGS Survey: stellar kinematics, kinemetry and trends at large radii in 25 early-type galaxies.

Foster, C., Pastorello, N., Roediger, J., Brodie, J., Forbes, D., Kartha, S., Pota, V., Romanowsky, A., Spitler, L., *Strader, J.*, Usher, C., Arnold, J. 2016, *Monthly Notices of the Royal Astronomical Society*, 457, 147

149. The AIMSS project III: The stellar populations of compact stellar systems.

Janz, J., Norris, M., Forbes, D., Huxor, A., Romanowsky, A., Frank, M., Escudero, C., Faifer, F., Forte, J., Kannappan, S., Maraston, C., Brodie, J., *Strader, J.*, Thompson, B. 2016, *Monthly Notices of the Royal Astronomical Society*, 456, 617

148. A tidally disrupting dwarf galaxy in the halo of NGC 253.

Toloba, E., Sand, D., Spekkens, K., Crnojevic, D., Simon, J., Guhathakurta, P., *Strader, J.*, Caldwell, N., McLeod, B., Seth, A. 2016, *The Astrophysical Journal Letters*, 816, 5

2015

147. Optical spectroscopy of the high-mass γ -ray binary 1FGL J1018.6–

5856: A probable neutron star primary.

Strader, J., Chomiuk, L., Cheung, C. C., Salinas, R., Peacock, M. 2015, *The Astrophysical Journal Letters*, 813, 26

146. 1FGL J1417.7–4407: A likely γ -ray bright binary with a massive neutron star and a giant secondary.

Strader, J., Chomiuk, L., Cheung, C. C., Sand, D., Donato, D., Corbet, R., Koeppe, D., Edwards, P., Stevens, J., Petrov, L., Salinas, R., Peacock, M., Finzell, T., Reichart, D., Haislip, J. 2015, *The Astrophysical Journal Letters*, 804, 12

145. The 10830 Å He line among evolved stars in the globular cluster M4.

Strader, J., Dupree, A., Smith, G. 2015, *The Astrophysical Journal*, 808, 124

144. Detection of a distinct metal-poor stellar halo in the early-type galaxy NGC 3115.

Peacock, M., Strader, J., Romanowsky, A., Brodie, J. 2015, *The Astrophysical Journal*, 800, 13

143. No evidence for multiple stellar populations in the low-mass Galactic globular cluster E 3.

Salinas, R. & Strader, J. 2015, *The Astrophysical Journal*, 809, 169

142. Deep radio imaging of 47 Tuc identifies the peculiar X-ray source X9 as a new black hole candidate.

Miller-Jones, J., Strader, J., Heinke, C., Maccarone, T., van den Berg, M., Knigge, C., Chomiuk, L., Noyola, E., Russell, T., Seth, A., Sivakoff, G. 2015, *Monthly Notices of the Royal Astronomical Society*, 453, 3918

141. Hiding in plain sight: Record-breaking compact stellar systems in the Sloan Digital Sky Survey.

Sandoval, M., Vo, R., Romanowsky, A., Strader, J., Choi, J., Jennings, Z., Conroy, C., Brodie, J., Foster, C., Villaume, A., Norris, M., Janz, J., Forbes, D. 2015, *The Astrophysical Journal Letters*, 808, 32

140. Antlia B: A faint dwarf galaxy member of the NGC 3109 association.

Sand, D., Spekkens, K., Crnojevic, D., Hargis, J., Willman, B., Strader, J., Grillmair, C. 2015, *The Astrophysical Journal Letters*, 812, 13

139. Limits on thermal variations in a dozen quiescent neutron stars over a decade.

Bahramian, A., Heinke, C., Degenaar, N., Chomiuk, L., Wijnands, R., Strader, J., Ho, W., Pooley, D. 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 3475

138. The SLUGGS survey: Globular cluster kinematics in a “double sigma”

galaxy—NGC 4473.

Alabi, A., Foster, C., Forbes, D., Romanowsky, A., Pastorello, N., Brodie, J., Spitler, L., *Strader, J.*, Usher, C. 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 2208

137. The SLUGGS survey: inferring the formation epochs of metal-poor and metal-rich globular clusters.

Forbes, D., Pastorello, N., Romanowsky, A., Usher, C., Brodie, J., *Strader, J.* 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 1045

136. Statistical time-resolved spectroscopy: a higher fraction of short-period binaries for metal-rich F-type dwarfs in SDSS.

Hettinger, T., Badenes, C., *Strader, J.*, Bickerton, S., Beers, T. 2015, *The Astrophysical Journal Letters*, 806, 2

135. The megasecond *Chandra* X-ray visionary project observation of NGC 3115 (III): Luminosity functions of LMXBs and dependence on stellar environments.

Lin, D., Irwin, J., Wong, K., Jennings, Z., Homan, J., Romanowsky, A., *Strader, J.*, Brodie, J., Sivakoff, G., Remillard, R. 2015, *The Astrophysical Journal*, 808, 20

134. The SLUGGS survey: Combining stellar and globular cluster metallicities in the outer regions of early-type galaxies.

Pastorello, N., Forbes, D., Usher, C., Brodie, J., Romanowsky, A., *Strader, J.*, Spitler, L., Alabi, A., Foster, C., Jennings, Z., Kartha, S., Pota, V. 2015, *Monthly Notices of the Royal Astronomical Society* 451, 2625

133. A comprehensive archival search for counterparts to ultra-compact high velocity clouds: Five local volume dwarf galaxies.

Sand, D., Crnojevic, D., Bennet, P., Willman, B., Hargis, J., *Strader, J.*, Olszewski, E., Tollerud, E., Simon, J., Caldwell, N., Guhathakurta, P., James, B. L., Kuposov, S., McLeod, B., Morrell, N., Peacock, M., Salinas, R., Seth, A., Stark, D., Toloba, E. 2015, *The Astrophysical Journal*, 806, 95

132. The megasecond *Chandra* X-ray visionary project observation of NGC 3115 (II): Properties of point sources.

Lin, D., Irwin, J., Wong, K., Jennings, Z., Homan, J., Romanowsky, A., *Strader, J.*, Sivakoff, G., Brodie, J., Remillard, R. 2015, *The Astrophysical Journal*, 808, 19

131. A SLUGGS and Gemini/GMOS combined study of the elliptical galaxy M60: wide-field photometry and kinematics of the globular cluster system.

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