

David Vincent Stark

Department of Physics and Astronomy
Haverford College
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EDUCATION

University of North Carolina at Chapel Hill

Ph.D. in Physics, Advisor: Sheila Kannappan 2012–2015
– Thesis: “Drivers of Galaxy Fueling”

University of North Carolina at Chapel Hill

M.S. in Physics, Advisor: Sheila Kannappan 2008–2012
– Thesis: “Linking Galaxy Molecular-to-Atomic Gas Ratios to Transient Evolutionary States”

University of Maryland at College Park

B.S. Physics, B.S. in Astronomy with High Honors, Thesis Advisor: Stacy McGaugh 2004–2008
– Thesis: “A First Attempt to Calibrate the Baryonic Tully-Fisher Relation with Gas-Dominated Galaxies”

RESEARCH EXPERIENCE

Haverford College

Postdoctoral Research Fellow September 2019 –present
– Supervisor: Karen L. Master
– Oversee observations and data reduction for the HI-MaNGA survey. Conduct research on topics related to galaxy evolution using MaNGA and HI-MaNGA data sets.

Kavli IPMU, University of Tokyo

Postdoctoral Research Fellow September 2015 –August 2019
– Independent research on topics related to galaxy evolution, including galaxy gas content and environment, conditions for star formation, nature of distortions in galaxy velocity fields

University of North Carolina at Chapel Hill

Graduate Student/Research Assistant September 2008 –August 2015
– Advisor: Sheila J. Kannappan
– M.S./PhD research on multiple topics relating to galaxy evolution: galaxy gas content and phase transformations, gas accretion, star formation, galaxy environments, high velocity clouds

University of Maryland at College Park

Undergraduate Honors Senior Thesis Research September 2007 –August 2008
– Advisor: Stacy S. McGaugh
– Honors senior thesis research on the Baryonic Tully-Fisher Relation using gas-dominated galaxies.

University of Maryland at College Park

Undergraduate Research Assistant October 2005 –August 2008
– Advisor: A. Surjalal Sharma
– Responsible for using computer models to simulate interactions between Earth’s magnetosphere and the solar wind.

RESEARCH INTERESTS

- Galaxy gas content: its role in galaxy evolution and external influences
- Atomic-to-molecular transition in galaxies
- Conditions for star formation
- Nature and origin of high velocity clouds
- General galaxy evolution

TECHNICAL RESEARCH SKILLS

- Telescope observing: GBT, Arecibo, ALMA, ARO 12m, SOAR, SALT
- Programming: Proficient in IDL and Python
- Single-dish radio data reduction with GBTIDL/CLASS
- Radio interferometry (ALMA/VLA) data reduction using CASA
- Optical/IR imaging and spectroscopic data reduction with IRAF

TEACHING EXPERIENCE

- **Substitute Instructor** at Haverford College Fall2019 –Spring 2020
Led a few classes for “Astronomical Ideas” (ASTR101), “Advanced Electricity and Magnetism” (PHYS304), and “Introduction to Astrophysics” (ASTR204)
- **Lead Instructor** at UNC Chapel Hill Fall 2013
Stars, Galaxies, and Cosmology (ASTR102)
- **Teaching Assistant** at UNC Chapel Hill Spring 2012
Stars, Galaxies, and Cosmology (ASTR102)
- **Teaching Assistant** at UNC Chapel Hill Fall 2008 –Spring 2009
Introductory Astronomy Lab (ASTR101L)

STUDENTS ADVISED

- **Wilber Dominguez**, Swarthmore College/KNAC Fellow Summer 2020
- **Emily Frank**, Vassar College/KNAC Fellow Summer 2020
- **Julian Goddy**, Haverford College Summer –Fall 2019
Co-advised with Prof. Karen Masters
- **Sean Dillon**, California State University, Chico/KNAC Fellow Summer 2019
Co-advised with Prof. Karen Masters
- **Patricia Fofie**, Smith College/KNAC Fellow Summer 2019
Co-advised with Prof. Karen Masters
- **Nattida Samanso**, Chulalongkorn University Spring 2018
Co-advised with Prof. Wiphu Rujopakarn
- **Jin Soo Lim**, Stanford University Summer 2016
Co-advised with Prof. Alexie Leauthaud
- **Katrina Litke**, University of Illinois Urbana-Champaign Summer 2013
Co-advised with Prof. Sheila Kannappan
- **Ashley Baker**, UNC Chapel Hill Spring 2012 –2013
Co-advised with Prof. Sheila Kannappan

GRANTS AND AWARDS

- **ALMA Ambassador**, NRAO 2020
\$10,000 award
- **Dissertation Completion Fellowship**, The Royster Society of Fellows 2014 –2015
\$20,000 stipend, \$2,000 research
- **Student Observing Support**, NRAO 2013
\$32,600
- **GAANN Fellowship**, GAANN 2010, 2012
\$12,944
- **Outstanding Graduate Teaching Award - Honorable Mention**, UNC Dept. of Physics and Astronomy 2012
Awarded for Spring 2012 ASTR102 class
- **Graduate Research Fellowships**, NC Space Grant 2010
\$7,000
- **“A Search for Star Formation in the Smith Cloud” (GI60041)**, NASA GALEX 2009
\$35,000
- **Grants In Aid of Research**, Sigma Xi 2009
\$5,000

SUCCESSFUL PI TELESCOPE PROPOSALS

- **HI-MaNGA: HI followup for MaNGA Galaxies** 2020
Green Bank Telescope, 580 hours
- **Exploratory Observations of CO(1-0) 115.271 GHz Emission in MaNGA Galaxies** 2019
Green Bank Telescope, Director’s Discretionary Time, 4.3 hours
- **Searching for the Emergence of Conformity in Nascent Groups** 2016
ALMA, 14.6 hours
- **Tracking Gas Accretion as a Function of Cosmic Structure** 2013 –2014
Green Bank Telescope, 191.2 hours (spring 2013), 80 hours (fall 2013), 175 hours (spring 2014)
- **Are Pseudobulge and Outer Disk Fueling Linked?** 2011
ARO 12m, 81 hours
- **Testing the Extreme-Blue Range of SALT/RSS for Quasar Absorption Line Studies** 2010
South African Large Telescope, 1.3 hours
- **Probing Gas Flows in the Blue Compact Dwarf, NGC 7077** 2011
South African Large Telescope, 4 hours
- **A Search for Star Formation in the Smith Cloud** 2009
NASA GALEX, 18000 seconds

SELECTED RESEARCH TALKS/SEMINARS

- University of Kentucky Astronomy Seminar September 2020
Tracing the physics of the neutral and ionized ISM with the HI-MaNGA survey
- 40th Annual Central Pennsylvania Consortium Astronomers’ Meeting (remote) June 2020
Exploring the Link Between Cold and Ionized Gas in the HI-MaNGA Galaxy Survey
- Multiphase Gas in Galaxy Groups June 2020*
*Invited Talk, *Postponed due to COVID-19*
- ALMA Community Day March 2020

All day workshop on radio interferometry and ALMA proposal preparation

- University of Pennsylvania Astronomy Seminar November 2019
Gas Kinematic Distortions in the MaNGA Survey: Frequency, Impacts, Origins
- American Astronomical Society 231st Meeting, Washington DC January 2018
Exploring the Origin of Kinematically Irregular Galaxies in MaNGA
- The Interplay Between Local and Global Processes in Galaxies, Cozumel, Mexico April 2016
Multiscale Environmental Influences on Galaxy Gas Reservoirs
- American Astronomical Society 227th meeting, Orlando, FL January 2016
Local and Large-Scale Environmental Influences on Galaxy Gas Content
- American Astronomical Society 225th Meeting, Seattle, WA December 2015
The Influence of Local and Large-Scale Environment on Galaxy Gas Reservoirs in the RESOLVE Survey
- The Galactic Gas Supply Workshop, Green Bank, WV May 2013
Invited Talk, Searching for Star Formation in the Smith Cloud
- Global Properties of HI in Galaxies Workshop, Green Bank, WV April 2012
Probing External Influences on Galaxy H₂/HI Ratios

OTHER PROFESSIONAL ACTIVITIES

- Referee for the Astrophysical Journal
- NSF panel reviewer (spring 2020)
- Assisted with SDSS-IV information booth at American Astronomical Society 235th meeting
- SDSS-IV MaNGA tutorial writer (<https://www.sdss.org/dr16/manga/manga-tutorials/>)

PUBLIC OUTREACH

- American Astronomical Society Student Outreach Event January 2020
Helped run activities for middle/high school students related to galaxy spectroscopy
- Haverford College Public Observing Night December 2019
Participated in an “ask an astronomer” panel
- Science Cafe “Universe” July 2017
Public talk entitled “The birth, growth, and death of galaxies” given at Tamarokuto Science Center, Tokyo, Japan
- North Carolina Science Expo April 2014
Organized the “Make Your Own Galaxy” booth designed for kids
- “Astronomy Days” at the North Carolina Museum of Natural Science January 2014
Helped run various booths pertaining to astronomical concepts (the seasons, moon phases, Drake’s Equation, galaxy classification, and atomic spectra); primarily for kids
- Chapel Hill Astronomy Club December 2013
Gave overview of radio and IR astronomy for an adult audience of amateur astronomers
- UNC Science Expo April 2012
Participated in a “Make Your Own Galaxy” booth designed for kids
- Greensboro Astronomy Club November 2011
Gave overview of gas in the universe and the missing baryons problem for an adult audience of amateur astronomers
- Morehead Science Center Family Night December 2009
Participated in a “Make Your Own Galaxy” booth designed for kids

FIRST AUTHOR PUBLICATIONS

- Stark, David V., Kevin A. Bundy, Matthew E. Orr, Philip F. Hopkins, Kyle Westfall, Matthew Bershad, Cheng Li, Dmitry Bizyaev, Karen L. Masters, Anne-Marie Weijmans, Ivan Lacerna, Daniel Thomas, Niv Drory, Renbin Yan, and Kai Zhang. “SDSS-IV MaNGA: constraints on the conditions for star formation in galaxy discs”. In: 474.2 (Feb. 2018), pp. 2323–2333. arXiv: 1711.00178 [astro-ph.GA].
- Stark, David V., Kevin A. Bundy, Kyle Westfall, Matt Bershad, Anne-Marie Weijmans, Karen L. Masters, Sandor Kruk, Jarle Brinchmann, Juan Soler, Roberto Abraham, Edmond Cheung, Dmitry Bizyaev, Niv Drory, Alexandre Roman Lopes, and David R. Law. “SDSS-IV MaNGA: characterizing non-axisymmetric motions in galaxy velocity fields using the Radon transform”. In: 480.2 (Oct. 2018), pp. 2217–2235. arXiv: 1807.11503 [astro-ph.GA].
- Stark, David V., Sheila J. Kannappan, Kathleen D. Eckert, Jonathan Florez, Kirsten R. Hall, Linda C. Watson, Erik A. Hoversten, Joseph N. Burchett, David T. Guynn, Ashley D. Baker, Amanda J. Moffett, Andreas A. Berlind, Mark A. Norris, Martha P. Haynes, Riccardo Giovanelli, Adam K. Leroy, D. J. Pisano, Lisa H. Wei, Roberto E. Gonzalez, and Victor F. Calderon. “The RESOLVE Survey Atomic Gas Census and Environmental Influences on Galaxy Gas Reservoirs”. In: 832.2, 126 (Dec. 2016), p. 126. arXiv: 1610.06932 [astro-ph.GA].
- Stark, David V., Ashley D. Baker, and Sheila J. Kannappan. “A search for star formation in the Smith Cloud”. In: 446.2 (Jan. 2015), pp. 1855–1863. arXiv: 1410.4845 [astro-ph.GA].
- Stark, David V., Sheila J. Kannappan, Lisa H. Wei, Andrew J. Baker, Adam K. Leroy, Kathleen D. Eckert, and Stuart N. Vogel. “The Fueling Diagram: Linking Galaxy Molecular-to-atomic Gas Ratios to Interactions and Accretion”. In: 769.1, 82 (May 2013), p. 82. arXiv: 1304.4245 [astro-ph.CO].
- Stark, D. V., S. S. McGaugh, and R. A. Swaters. “A First Attempt to Calibrate the Baryonic Tully-Fisher Relation with Gas-Dominated Galaxies”. In: 138.2 (Aug. 2009), pp. 392–401. arXiv: 0905.4528 [astro-ph.CO].

COAUTHORED PUBLICATIONS

- Ahumada, Romina et al. “The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra”. In: 249.1, 3 (July 2020), p. 3. arXiv: 1912.02905 [astro-ph.GA].
- Goddy, Julian, David V. Stark, and Karen L. Masters. “L-band Calibration of the Green Bank Telescope from 2016 2019”. In: *Research Notes of the American Astronomical Society* 4.1, 3 (Jan. 2020), p. 3. arXiv: 2001.10795 [astro-ph.IM].
- Palumbo Michael L., III, Sheila J. Kannappan, Elaine M. Frazer, Kathleen D. Eckert, Dara J. Norman, Luciano Fraga, Bruno C. Quint, Philippe Amram, Claudia Mendes de Oliveira, Ashley S. Bittner, Amanda J. Moffett, David V. Stark, Mark A. Norris, Nathaniel T. Cleaves, and Derrick S. Carr. “Linking compact dwarf starburst galaxies in the RESOLVE survey to downsized blue nuggets”. In: 494.4 (Apr. 2020), pp. 4730–4750. arXiv: 2003.12891 [astro-ph.GA].
- Roberts-Borsani, G. W., A. Saintonge, K. L. Masters, and D. V. Stark. “Outflows in star-forming galaxies: Stacking analyses of resolved winds and the relation to their hosts’ properties”. In: 493.3 (Apr. 2020), pp. 3081–3097. arXiv: 2002.05724 [astro-ph.GA].
- Aguado, D. S. et al. “The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library”. In: 240.2, 23 (Feb. 2019), p. 23. arXiv: 1812.02759 [astro-ph.IM].

- Masters, Karen L., David V. Stark, Zachary J. Pace, Frederika Phipps, Wiphu Rujopakarn, Nattida Samanso, Emily Harrington, José R. Sánchez-Gallego, Vladimir Avila-Reese, Matthew Bershad, Brian Cherinka, Catherine E. Fielder, Daniel Finnegan, Rogemar A. Riffel, Kate Rowlands, Shoaib Shamsi, Lucy Newnham, Anne-Marie Weijmans, and Catherine A. Witherspoon. “H I-MaNGA: H I follow-up for the MaNGA survey”. In: 488.3 (Sept. 2019), pp. 3396–3405. arXiv: 1901.05579 [astro-ph.GA].
- Schaefer, Adam L., Christy Tremonti, Zachary Pace, Francesco Belfiore, Maria Argudo-Fernandez, Matthew A. Bershad, Niv Drory, Amy Jones, Roberto Maiolino, David Stark, David Wake, and Renbin Yan. “SDSS-IV MaNGA: Evidence for Enriched Accretion onto Satellite Galaxies in Dense Environments”. In: 884.2, 156 (Oct. 2019), p. 156. arXiv: 1909.04738 [astro-ph.GA].
- Wang, Wenting, Jiaxin Han, Alessandro Sonnenfeld, Naoki Yasuda, Xiangchong Li, Yipeng Jing, Surhud More, Paul A. Price, Robert Lupton, Eli S. Rykoff, David V. Stark, Ting-Wen Lan, Masahiro Takada, Song Huang, Wentao Luo, Neta A. Bahcall, and Yutaka Komiyama. “The stellar halo of isolated central galaxies in the Hyper Suprime-Cam imaging survey”. In: 487.2 (Aug. 2019), pp. 1580–1606. arXiv: 1811.04714 [astro-ph.GA].
- Abolfathi, Bela et al. “The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment”. In: 235.2, 42 (Apr. 2018), p. 42. arXiv: 1707.09322 [astro-ph.GA].
- Haynes, Martha P., Riccardo Giovanelli, Brian R. Kent, Elizabeth A. K. Adams, Thomas J. Balonek, David W. Craig, Derek Fertig, Rose Finn, Carlo Giovanardi, Gregory Hallenbeck, Kelley M. Hess, G. Lyle Hoffman, Shan Huang, Michael G. Jones, Rebecca A. Koopmann, David A. Kornreich, Lukas Leisman, Jeffrey Miller, Crystal Moorman, Jessica O’Connor, Aileen O’Donoghue, Emmanouil Papastergis, Parker Troischt, David Stark, and Li Xiao. “The Arecibo Legacy Fast ALFA Survey: The ALFALFA Extragalactic H I Source Catalog”. In: 861.1, 49 (July 2018), p. 49. arXiv: 1805.11499 [astro-ph.GA].
- Hood, Callie E., Sheila J. Kannappan, David V. Stark, Ian P. Dell’Antonio, Amanda J. Moffett, Kathleen D. Eckert, Mark A. Norris, and David Hendel. “The Origin of Faint Tidal Features around Galaxies in the RESOLVE Survey”. In: 857.2, 144 (Apr. 2018), p. 144. arXiv: 1803.05447 [astro-ph.GA].
- Albareti, Franco D. et al. “The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory”. In: 233.2, 25 (Dec. 2017), p. 25. arXiv: 1608.02013 [astro-ph.GA].
- Blanton, Michael R. et al. “Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe”. In: 154.1, 28 (July 2017), p. 28. arXiv: 1703.00052 [astro-ph.GA].
- Eckert, Kathleen D., Sheila J. Kannappan, Claudia del P. Lagos, Ashley D. Baker, Andreas A. Berlind, David V. Stark, Amanda J. Moffett, Zachary Nasipak, and Mark A. Norris. “The Baryonic Collapse Efficiency of Galaxy Groups in the RESOLVE and ECO Surveys”. In: 849.1, 20 (Nov. 2017), p. 20. arXiv: 1709.07462 [astro-ph.GA].
- Lin, Lihwai, Francesco Belfiore, Hsi-An Pan, M. S. Bothwell, Pei-Ying Hsieh, Shan Huang, Ting Xiao, Sebastián F. Sánchez, Bau-Ching Hsieh, Karen Masters, S. Ramya, Jing-Hua Lin, Chin-Hao Hsu, Cheng Li, Roberto Maiolino, Kevin Bundy, Dmitry Bizyaev, Niv Drory, Héctor Ibarra-Medel, Ivan Lacerna, Tim Haines, Rebecca Smethurst, David V. Stark, and Daniel Thomas. “SDSS-IV MaNGA-resolved Star Formation and Molecular Gas Properties of Green Valley Galaxies: A First Look with ALMA and MaNGA”. In: 851.1, 18 (Dec. 2017), p. 18. arXiv: 1710.08610 [astro-ph.GA].
- Lin, Lihwai, Jing-Hua Lin, Chin-Hao Hsu, Hai Fu, Song Huang, Sebastián F. Sánchez, Stephen Gwyn, Joseph D. Gelfand, Edmond Cheung, Karen Masters, Sébastien Peirani, Wiphu Rujopakarn,

- David V. Stark, Francesco Belfiore, M. S. Bothwell, Kevin Bundy, Alex Hagen, Lei Hao, Shan Huang, David Law, Cheng Li, Chris Lintott, Roberto Maiolino, Alexandre Roman-Lopes, Wei-Hao Wang, Ting Xiao, Fangting Yuan, Dmitry Bizyaev, Elena Malanushenko, Niv Drory, J. G. Fernández-Trincado, Zach Pace, Kaike Pan, and Daniel Thomas. “SDSS IV MaNGA: Discovery of an H α Blob Associated with a Dry Galaxy Pair—Ejected Gas or a “Dark” Galaxy Candidate?” In: 837.1, 32 (Mar. 2017), p. 32. arXiv: 1702.02464 [astro-ph.GA].
- Chen, Yan-Mei, Yong Shi, Christy A. Tremonti, Matt Bershad, Michael Merrifield, Eric Emsellem, Yi-Fei Jin, Song Huang, Hai Fu, David A. Wake, Kevin Bundy, David Stark, Lihwai Lin, Maria Argudo-Fernandez, Thaisa Storchi Bergmann, Dmitry Bizyaev, Joel Brownstein, Martin Bureau, John Chisholm, Niv Drory, Qi Guo, Lei Hao, Jian Hu, Cheng Li, Ran Li, Alexandre Roman Lopes, Kai-Ke Pan, Rogemar A. Riffel, Daniel Thomas, Lan Wang, Kyle Westfall, and Ren-Bin Yan. “The growth of the central region by acquisition of counterrotating gas in star-forming galaxies”. In: *Nature Communications* 7, 13269 (Oct. 2016), p. 13269. arXiv: 1611.00480 [astro-ph.GA].
- Cheung, Edmond, David V. Stark, Song Huang, Kate H. R. Rubin, Lihwai Lin, Christy Tremonti, Kai Zhang, Renbin Yan, Dmitry Bizyaev, Médéric Boquien, Joel R. Brownstein, Niv Drory, Joseph D. Gelfand, Johan H. Knapen, Roberto Maiolino, Olena Malanushenko, Karen L. Masters, Michael R. Merrifield, Zach Pace, Kaike Pan, Rogemar A. Riffel, Alexandre Roman-Lopes, Wiphu Rujopakarn, Donald P. Schneider, John P. Stott, Daniel Thomas, and Anne-Marie Weijmans. “SDSS-IV MaNGA: A Serendipitous Observation of a Potential Gas Accretion Event”. In: 832.2, 182 (Dec. 2016), p. 182. arXiv: 1609.02155 [astro-ph.GA].
- Eckert, Kathleen D., Sheila J. Kannappan, David V. Stark, Amanda J. Moffett, Andreas A. Berlind, and Mark A. Norris. “RESOLVE and ECO: The Halo Mass-dependent Shape of Galaxy Stellar and Baryonic Mass Functions”. In: 824.2, 124 (June 2016), p. 124. arXiv: 1604.03957 [astro-ph.GA].
- Fox, Andrew J., Nicolas Lehner, Felix J. Lockman, Bart P. Wakker, Alex S. Hill, Fabian Heitsch, David V. Stark, Kathleen A. Barger, Kenneth R. Sembach, and Mubdi Rahman. “On the Metallicity and Origin of the Smith High-velocity Cloud”. In: 816.1, L11 (Jan. 2016), p. L11. arXiv: 1512.04957 [astro-ph.GA].
- Jin, Yifei, Yanmei Chen, Yong Shi, C. A. Tremonti, M. A. Bershad, M. Merrifield, E. Emsellem, Hai Fu, D. Wake, K. Bundy, Lihwai Lin, M. Argudo-Fernandez, Song Huang, D. V. Stark, T. Storchi-Bergmann, D. Bizyaev, J. Brownstein, J. Chisholm, Qi Guo, Lei Hao, Jian Hu, Cheng Li, Ran Li, K. L. Masters, E. Malanushenko, Kaike Pan, R. A. Riffel, A. Roman-Lopes, A. Simmons, D. Thomas, Lan Wang, K. Westfall, and Renbin Yan. “SDSS-IV MaNGA: properties of galaxies with kinematically decoupled stellar and gaseous components”. In: 463.1 (Nov. 2016), pp. 913–926. arXiv: 1611.00528 [astro-ph.GA].
- Eckert, Kathleen D., Sheila J. Kannappan, David V. Stark, Amanda J. Moffett, Mark A. Norris, Elaine M. Snyder, and Erik A. Hoversten. “RESOLVE Survey Photometry and Volume-limited Calibration of the Photometric Gas Fractions Technique”. In: 810.2, 166 (Sept. 2015), p. 166. arXiv: 1507.08669 [astro-ph.GA].
- Moffett, Amanda J., Sheila J. Kannappan, Andreas A. Berlind, Kathleen D. Eckert, David V. Stark, David Hendel, Mark A. Norris, and Norman A. Grogan. “ECO and RESOLVE: Galaxy Disk Growth in Environmental Context”. In: 812.2, 89 (Oct. 2015), p. 89. arXiv: 1508.00948 [astro-ph.GA].
- Norris, Mark A., Sheila J. Kannappan, Duncan A. Forbes, Aaron J. Romanowsky, Jean P. Brodie, Favio Raúl Faifer, Avon Huxor, Claudia Maraston, Amanda J. Moffett, Samantha J. Penny, Vincenzo Pota, Analía Smith-Castelli, Jay Strader, David Bradley, Kathleen D. Eckert, Dora Fohring, JoEllen McBride, David V. Stark, and Ovidiu Vaduvescu. “The AIMSS Project - I. Bridging the star cluster-galaxy divide”. In: 443.2 (Sept. 2014), pp. 1151–1172. arXiv: 1406.6065 [astro-ph.GA].

- Kannappan, Sheila J., David V. Stark, Kathleen D. Eckert, Amanda J. Moffett, Lisa H. Wei, D. J. Pisano, Andrew J. Baker, Stuart N. Vogel, Daniel G. Fabricant, Seppo Laine, Mark A. Norris, Shardha Jogee, Natasha Lepore, Loren E. Hough, and Jennifer Weinberg-Wolf. “Connecting Transitions in Galaxy Properties to Refueling”. In: 777.1, 42 (Nov. 2013), p. 42. arXiv: 1308.3292 [astro-ph.CO].
- Wei, Lisa H., Stuart N. Vogel, Sheila J. Kannappan, Andrew J. Baker, David V. Stark, and Seppo Laine. “The Relationship Between Molecular Gas and Star Formation in Low-mass E/S0 Galaxies”. In: 725.1 (Dec. 2010), pp. L62–L67. arXiv: 1011.1497 [astro-ph.CO].