Stanford



Risa Wechsler

Director, Kavli Institute for Particle Astrophysics and Cosmology (KIPAC), Humanities and Sciences Professor, Professor of Physics and of Particle Physics and Astrophysics, and Senior Fellow at Stanford HAI

CONTACT INFORMATION

- **Administrative Contact**

  Please include on all scheduling queries

  Email kipacdirector@stanford.edu

Bio

BIO

Risa Wechsler is the Humanities and Sciences Professor and the Director of the Kavli Institute of Particle Astrophysics and Cosmology. She is also Professor of Physics (H&S) and Professor of Particle Physics & Astrophysics (SLAC), Director of the Center for Decoding the Universe, and an Associate Director and Senior Fellow of the Stanford Institute for Human Centered AI. She is a cosmologist whose work investigates some of the biggest outstanding questions about our universe — how it formed, what it is made of, how it is structured, and what its future holds.

Her research focuses on understanding the evolution of galaxies, the large-scale structure of the universe, and the nature of dark matter and dark energy. She uses large numerical simulations, theoretical models, and the largest observed maps of the universe to explore these forces that shape the cosmos. Her recent work also investigates the formation and cosmological context of the Milky Way and probes dark matter through small-scale cosmic structure, and explores how data science and AI/ML can drive new understanding. Wechsler has played key leadership roles in major international collaborations including the Dark Energy Survey, Dark Energy Spectroscopic Instrument, and Rubin Observatory's Legacy Survey of Space and time, a decade-long survey that will reveal the dynamic universe in unprecedented detail. She is recently involved in the Via Survey, which will map the Milky Way at high precision to probe dark matter physics in new ways.

Wechsler is an elected member of the National Academy of Sciences and the American Academy of Arts and Sciences and a Fellow of the American Physical Society and the American Association for the Advancement of Science.

ACADEMIC APPOINTMENTS

- Professor, Physics
- Professor, Particle Physics and Astrophysics
- Senior Fellow, Institute for Human-Centered Artificial Intelligence (HAI)

ADMINISTRATIVE APPOINTMENTS

- Division Director, Cosmic Frontier, Fundamental Physics Directorate, SLAC National Accelerator Laboratory, (2026- present)
- Associate Director, Stanford Institute for Human Centered AI, (2026- present)
- Director, Center for Decoding the Universe, (2024- present)

- Director, Kavli Institute for Particle Astrophysics and Cosmology, (2018- present)
- Fundamental Physics Directorate Management Team, SLAC National Accelerator Lab, (2018- present)
- Co-Spokesperson, Dark Energy Spectroscopic Instrument, (2014-2018)

HONORS AND AWARDS

- Member, National Academy of Sciences (2025)
- Fellow, American Academy of Arts and Sciences (2023)
- Distinguished Alumna, University of California, Santa Cruz (2022)
- Fellow, American Association for the Advancement of Science (2020)
- Gregory Amadon University Fellow in Undergraduate Education, Stanford University (2020)
- Stanford Fellow, Stanford University (2019-2021)
- Fellow, American Physical Society (2017)
- Nina C. Crocker Faculty Scholar, Stanford University (2013-2016)
- Hellman Faculty Scholar, Stanford University (2008)
- Frederick E. Terman Fellow, Stanford University (2006-2012)
- Hubble Fellow, NASA (2003-2006)
- Enrico Fermi Fellow, Enrico Fermi Institute, University of Chicago (2003-2005)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Scientific Advisory Board, Perimeter Institute (2026 - present)
- Scientific Advisory Board, Flatiron Institute (2025 - present)
- Co-Chair, NASA Roman High Latitude Wide Area Survey Definition Committee (2024 - 2025)
- Board of Directors, LSST Discovery Alliance (2023 - present)
- Institute Visiting Committee, Space Telescope Science Institute (2023 - present)
- Management Board, Vera C. Rubin Observatory (2022 - present)
- Board on Physics and Astronomy, National Academy of Sciences (2021 - 2026)
- Board of Trustees, Aspen Center for Physics (2020 - present)
- Board of Fund Managers, Kavli Institute for Cosmology, Cambridge (2020 - 2024)
- Advisory Board, NOIRLab (2020 - 2023)
- Advisory Board Chair, Kavli Institute for Theoretical Physics (2017 - 2018)
- Scientific Advisory Committee, Rubin Observatory / LSST (2016 - 2023)
- General Member, Aspen Center for Physics (2015 - present)
- Advisory Board, Kavli Institute for Theoretical Physics (2015 - 2019)
- Member, High Energy Physics Advisory Panel (2015 - 2018)

PROFESSIONAL EDUCATION

- PhD, University of California, Santa Cruz (2001)
- SB, Massachusetts Institute of Technology (1996)

LINKS

- Galaxy Formation & Cosmology Group: http://www.risawechsler.com

Teaching

COURSES

2026-27

- Special Topics in Astrophysics: Astrophysical Data Analysis with the Rubin Observatory: PHYSICS 367 (Aut)

2024-25

- Scientific Communication in Physics: PHYSICS 191 (Win)

2023-24

- Scientific Communication in Physics: PHYSICS 191 (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Christian Aganze, Shreya Anand, Ani Chiti, Luciano Combi, Ana Ennis, Robert Ewart, Evgeny Gorbunov, Katya Gozman, Camille Granier, Jesse Han, Minhee Hyun, Jiaxuan Li, Jennifer Mead, Sebastiaan Selvi, Kate Storey-Fisher, Weishuang Xu

Doctoral Dissertation Advisor (AC)

Jay Baptista, Tara Dacunha, Abby Hartley, Viraj Manwadkar, Delon Shen, Jenny Wan, Hanyue Wang, Xinyue Alice Zhang

Doctoral Dissertation Co-Advisor (AC)

Steven Dillmann

Doctoral (Program)

Jay Baptista, Jenny Wan

Publications

PUBLICATIONS

- **Warm, Not Fuzzy: Generalized Ultralight Dark Matter Limits from Milky Way Satellites** *ASTROPHYSICAL JOURNAL LETTERS*
  Nadler, E. O., Amin, M. A., Wechsler, R. H., Delos, M., Benson, A., Gluscevic, V.
  2026; 1006 (2)
- **Dwarf Galaxies at Cosmic Noon: New JWST Constraints on Satellite Models and Subhalo Tidal Evolution** *ASTROPHYSICAL JOURNAL*
  Wan, J. T., Mansfield, P., Suess, K. A., Wang, Y., Yuan, S., Williams, C. C., Wechsler, R. H.
  2026; 1002 (2)
- **Memoirs of Mass Accretion: Probing the Edges of Intracluster Light in Simulated Galaxy Clusters** *ASTROPHYSICAL JOURNAL*
  Dacunha, T., Mansfield, P., Wechsler, R. H.
  2025; 994 (2)
- **How Do Uncertainties in Galaxy Formation Physics Impact Field-level Galaxy Bias?** *ASTROPHYSICAL JOURNAL*
  Shiferaw, M., Kokron, N., Wechsler, R. H.
  2025; 989 (2)
- **EDEN: Exploring Disks Embedded in N-body Simulations of Milky Way-mass Halos from Symphony** *ASTROPHYSICAL JOURNAL*
  Wang, Y., Mansfield, P., Nadler, E. O., Darragh-Ford, E., Wechsler, R. H., Yang, D., Yu, H.
  2025; 986 (2)
- **Aemulus v: precision halo mass functions in wvCDM cosmologies** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Shen, D., Kokron, N., Derose, J., Tinker, J., Wechsler, R. H., Banerjee, A.
  2025

- **A Strong Gravitational Lens Is Worth a Thousand Dark Matter Halos: Inference on Small-scale Structure Using Sequential Methods** *ASTROPHYSICAL JOURNAL*
  Wagner-Carena, S., Lee, J., Pennington, J., Aalbers, J., Birrer, S., Wechsler, R. H.
  2024; 975 (2)
- **The SAGA Survey. III. A Census of 101 Satellite Systems around Milky Way-mass Galaxies** *ASTROPHYSICAL JOURNAL*
  Mao, Y., Geha, M., Wechsler, R. H., Asali, Y., Wang, Y., Kado-Fong, E., Kallivayalil, N., Nadler, E. O., Tollerud, E. J., Weiner, B., de los Reyes, M. A. C., Wu, J. F.
  2024; 976 (1)
- **The Early Data Release of the Dark Energy Spectroscopic Instrument** *ASTRONOMICAL JOURNAL*
  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Aldering, G., Alexander, D. M., Alfarsy, R., Prieto, C., Alvarez, M., Alves, O., Anand, A., Andrade-Oliveira, F., Armengaud, et al
  2024; 168 (2)
- **Milky Way-est: Cosmological Zoom-in Simulations with Large Magellanic Cloud and Gaia-Sausage-Enceladus Analogs** *ASTROPHYSICAL JOURNAL*
  Buch, D., Nadler, E. O., Wechsler, R. H., Mao, Y.
  2024; 971 (1)
- **SYMFIND: Addressing the Fragility of Subhalo Finders and Revealing the Durability of Subhalos** *ASTROPHYSICAL JOURNAL*
  Mansfield, P., Darragh-Ford, E., Wang, Y., Nadler, E. O., Diemer, B., Wechsler, R. H.
  2024; 970 (2)
- **Buzzard to Cardinal: Improved Mock Catalogs for Large Galaxy Surveys** *ASTROPHYSICAL JOURNAL*
  To, C., DeRose, J., Wechsler, R. H., Rykoff, E., Wu, H., Adhikari, S., Krause, E., Rozo, E., Weinberg, D. H.
  2024; 961 (1)
- **Target Selection and Sample Characterization for the DESI LOW-Z Secondary Target Program** *ASTROPHYSICAL JOURNAL*
  Darragh-Ford, E., Wu, J. F., Mao, Y., Wechsler, R. H., Geha, M., Forero-Romero, J. E., Hahn, C., Kallivayalil, N., Moustakas, J., Nadler, E. O., Nowotka, M., Peek, J. G., Tollerud, et al
  2023; 954 (2)
- **The DESI Bright Galaxy Survey: Final Target Selection, Design, and Validation** *ASTRONOMICAL JOURNAL*
  Hahn, C., Wilson, M. J., Ruiz-Macias, O., Cole, S., Weinberg, D. H., Moustakas, J., Kremin, A., Tinker, J. L., Smith, A., Wechsler, R. H., Ahlen, S., Alam, S., Bailey, et al
  2023; 165 (6)
- **Overview of the DESI Milky Way Survey** *ASTROPHYSICAL JOURNAL*
  Cooper, A. P., Koposov, S. E., Allende Prieto, C., Manser, C. J., Kizhuprakkat, N., Myers, A. D., Dey, A., Gansicke, B. T., Li, T. S., Rockosi, C., Valluri, M., Najita, J., Deason, et al
  2023; 947 (1)
- **Symphony: Cosmological Zoom-in Simulation Suites over Four Decades of Host Halo Mass** *ASTROPHYSICAL JOURNAL*
  Nadler, E. O., Mansfield, P., Wang, Y., Du, X., Adhikari, S., Banerjee, A., Benson, A., Darragh-Ford, E., Mao, Y., Wagner-Carena, S., Wechsler, R. H., Wu, H.
  2023; 945 (2)
- **Insights into the origin of halo mass profiles from machine learning** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Lucie-Smith, L., Adhikari, S., Wechsler, R. H.
  2022; 515 (2): 2164-2177
- **ADDGALS: Simulated Sky Catalogs for Wide Field Galaxy Surveys** *ASTROPHYSICAL JOURNAL*
  Wechsler, R. H., DeRose, J., Busha, M. T., Becker, M. R., Rykoff, E., Evrard, A.
  2022; 931 (2)
- **The cosmology dependence of galaxy clustering and lensing from a hybrid N-body-perturbation theory model** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Kokron, N., DeRose, J., Chen, S., White, M., Wechsler, R. H.
  2021; 505 (1): 1422-1440

- **Constraints on Dark Matter Microphysics from the Milky Way Satellite Population (vol 878, 32, 2019)** *ASTROPHYSICAL JOURNAL LETTERS*
  Nadler, E. O., Gluscevic, V., Boddy, K. K., Wechsler, R. H.
  2020; 897 (2)
- **UNIVERSEMACHINE: The correlation between galaxy growth and dark matter halo assembly from z=0-10** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Behroozi, P., Wechsler, R. H., Hearin, A. P., Conroy, C.
  2019; 488 (3): 3143–94
- **The AEMULUS Project. I. Numerical Simulations for Precision Cosmology** *ASTROPHYSICAL JOURNAL*
  DeRose, J., Wechsler, R. H., Tinker, J. L., Becker, M. R., Mao, Y., McClintock, T., McLaughlin, S., Rozo, E., Zhai, Z.
  2019; 875 (1)
- **The Connection Between Galaxies and Their Dark Matter Halos** *ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS, VOL 56*
  Wechsler, R. H., Tinker, J. L.
  edited by Faber, S. M., VanDishoeck, E.
  2018; 56: 435–87
- **Quasars Acting as Strong Lenses Found in DESI DR1** *ASTROPHYSICAL JOURNAL*
  McArthur, E., Millon, M., Powell, M., Wechsler, R. H., Pan, Z., Siudek, M., Spiller, J., Aguilar, J., Ahlen, S., Anand, A., BenZvi, S., Bianchi, D., Brooks, et al
  2026; 1006 (2)
- **First detection of weak lensing around spectroscopically confirmed low-mass galaxies** *PHYSICAL REVIEW D*
  To, C., Chang, C., Anbajagane, D., Wechsler, R. H., Drlica-Wagner, A., Adamow, M., Alarcon, A., Becker, M. R., Carballo-Bello, J. A., Cawthon, R., Chicoine, N., Doux, C., Esteves, et al
  2026; 114 (2)
- **Deep Spectroscopy with DESI for Photometric Redshift Training and Calibration** *ASTRONOMICAL JOURNAL*
  Dey, B., Newman, J. A., Zhang, T., Aguilar, J., Ahlen, S., Anand, A., Andrews, B., Bailey, S., Bianchi, D., Brooks, D., Castander, F. J., Claybaugh, T., Cuceu, et al
  2026; 172 (1)
- **The Backup Program of the Dark Energy Spectroscopic Instrument's Milky Way Survey** *ASTRONOMICAL JOURNAL*
  Dey, A., Koposov, S. E., Najita, J. R., Cooper, A. P., Gansicke, B. T., Myers, A. D., Raichoor, A., Eisenstein, D. J., Schlafly, E. F., Schlegel, D., Allende Prieto, C., Beraldo E Silva, L., Li, et al
  2026; 171 (6)
- **Data Release 1 of the Dark Energy Spectroscopic Instrument** *ASTRONOMICAL JOURNAL*
  Karim, M., Adame, A. G., Aguado, D., Aguilar, J., Ahlen, S., Alam, S., Aldering, G., Alexander, D. M., Alfarsy, R., Allen, L., Prieto, C., Alves, O., Anand, et al
  2026; 171 (5)
- **Probing the Environment around GW170817 with DESI: Insights on Galaxy Group Peculiar Velocities for Standard Siren Measurements** *ASTROPHYSICAL JOURNAL*
  Amsellem, A. J., Palmese, A., Douglass, K., Howlett, C., Karp, J. M., Magaña Hernandez, I., Moustakas, J., Wechsler, R. H., Aguilar, J., Ahlen, S., BenZvi, S., Bianchi, D., Brooks, et al
  2026; 1001 (2)
- **DELVE Milky Way Satellite Galaxy Census. I. Satellite Population and Survey Selection Function in DES, DELVE, and Pan-STARRS** *ASTROPHYSICAL JOURNAL*
  Tan, C. Y., Drlica-Wagner, A., Pace, A. B., Cerny, W., Nadler, E. O., Doliva-Dolinsky, A., Anbajagane, D., Li, T. S., Simon, J. D., Vivas, A. K., Walker, A. R., Adamow, M., Bechtol, et al
  2026; 1000 (1)
- **Joint Analysis of Small-scale Galaxy Clustering and Galaxy-Galaxy Lensing from BOSS Galaxies** *ASTROPHYSICAL JOURNAL*
  Gao, W., Liu, Z., Zhai, Z., Tinker, J. L., Zhang, J., Banerjee, A., Derose, J., Guo, H., Mao, Y., Storey-Fisher, K., Wechsler, R. H.
  2026; 998 (2)
- **The Compilation and Validation of the Spectroscopic Redshift Catalogs for the DESI-COSMOS and DESI-XMM-LSS Fields** *ASTRONOMICAL JOURNAL*

Ratajczak, J., Dawson, K. S., Weaverdyck, N., Aguilar, J., Ahlen, S., Armengaud, E., Bailey, S., Bianchi, D., Blanco, D., Brodzeller, A., Brooks, D., Castander, F. J., Claybaugh, et al

2026; 171 (2)

- **The Pandora project - II. How non-thermal physics drives bursty star formation and temperate mass-loaded outflows in dwarf galaxies** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*

  Martin-Alvarez, S., Sijacki, D., Haehnelt, M. G., Concas, A., Yuan, Y., Maiolino, R., Wechsler, R. H., Rodriguez montero, F., Farcy, M., Sanati, M., Dubois, Y., Rosdahl, J., Lopez-Rodriguez, et al

  2026; 545 (2)

- **The SAGA Survey. VI. The Size-Mass Relation for Low-mass Galaxies Across Environments** *ASTROPHYSICAL JOURNAL*

  Asali, Y., Geha, M., Kado-Fong, E., Mao, Y., Wechsler, R. H., de los Reyes, M. A. C., Pasha, I., Kallivayalil, N., Nadler, E. O., Tollerud, E. J., Wang, Y., Weiner, B., Wu, et al

  2025; 995 (1)

- **SAGAbg. III. Environmental Stellar Mass Functions, Self-quenching, and the Stellar-to-halo Mass Relation in the Dwarf Galaxy Regime** *ASTROPHYSICAL JOURNAL*

  Kado-Fong, E., Mao, Y., Asali, Y., Geha, M., Wechsler, R. H., de los Reyes, M. A. C., Wang, Y., Nadler, E. O., Kallivayalil, N., Tollerud, E. J., Weiner, B.

  2025; 994 (2)

- **Dark energy survey: Modeling strategy for multiprobe cluster cosmology and validation for the full six-year dataset** *PHYSICAL REVIEW D*

  To, C., Krause, E., Chang, C., Wu, H., Wechsler, R. H., Rozo, E., Weinberg, D. H., Anbajagane, D., Avila, S., Blazek, J., Bocquet, S., Costanzi, M., De Vicente, et al

  2025; 112 (6)

- **DESI 2024 V: Full-Shape galaxy clustering from galaxies and quasars** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*

  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Alexander, D. M., Alvarez, M., Alves, O., Anand, A., Andrade, U., Armengaud, E., Avila, S., Aviles, A., Awan, et al

  2025

- **Modified gravity constraints from the full shape modeling of clustering measurements from DESI 2024** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*

  Ishak, M., Pan, J., Calderon, R., Lodha, K., Valogiannis, G., Aviles, A., Niz, G., Yi, L., Zheng, C., Garcia-Quintero, C., de Mattia, A., Medina-Varela, L., Cervantes-Cota, et al

  2025

- **Positive Neutrino Masses with DESI DR2 via Matter Conversion to Dark Energy** *PHYSICAL REVIEW LETTERS*

  Ahlen, S. P., Aviles, A., Cartwright, B., Croker, K. S., Elbers, W., Farrah, D., Fernandez, N., Niz, G., Rohlf, J. W., Tarle, G., Windhorst, R. A., Aguilar, J., Andrade, et al

  2025; 135 (8): 081003

- **Stellar Mass Calibrations for Local Low-mass Galaxies** *ASTROPHYSICAL JOURNAL*

  de los Reyes, M. A. C., Asali, Y., Wechsler, R. H., Geha, M., Mao, Y., Kado-Fong, E., Pucha, R., Grant, W., Gandhi, P. J., Manwadkar, V., Engelhardt, A., Munshi, F., Wang, et al

  2025; 989 (1)

- **DESI 2024 VII: cosmological constraints from the full-shape modeling of clustering measurements** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*

  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Alexander, D. M., Allende Prieto, C., Alvarez, M., Alves, O., Anand, A., Andrade, U., Armengaud, E., Avila, S., Aviles, et al

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- **DESI 2024 II: sample definitions, characteristics, and two-point clustering statistics** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*

  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Alexander, D. M., Alvarez, M., Alves, O., Anand, A., Andrade, U., Armengaud, E., Avila, S., Aviles, A., Awan, et al

  2025

- **The Roman View of Strong Gravitational Lenses** *ASTROPHYSICAL JOURNAL*

  Wedig, B., Daylan, T., Birrer, S., Cyr-Racine, F., Dvorkin, C., Finkbeiner, D. P., Huang, A., Huang, X., Karthik, R., Khadka, N., Natarajan, P., Nierenberg, A. M., Peter, et al

2025; 986 (1)

- **DESI peculiar velocity survey - Fundamental Plane** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Said, K., Howlett, C., Davis, T., Lucey, J., Saulder, C., Douglass, K., Kim, A. G., Kremin, A., Ross, C., Aldering, G., Aguilar, J., Ahlen, S., BenZvi, et al
  2025; 539 (4): 3627-3644
- **A sound horizon-free measurement of H₀ in DESI 2024** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Zaborowski, E. A., Taylor, P., Honscheid, K., Cuceu, A., de Mattia, A., Huterer, D., Krolewski, A., Martini, P., Ross, A. J., To, C., Torres, A., Ahlen, S., Bianchi, et al
  2025
- **DESI 2024 III: baryon acoustic oscillations from galaxies and quasars** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Alexander, D. M., Alvarez, M., Alves, O., Anand, A., Andrade, U., Armengaud, E., Avila, S., Aviles, A., Awan, et al
  2025
- **Unraveling emission line galaxy conformity at z # 1 with DESI early data** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Yuan, S., Wechsler, R. H., Wang, Y., de los Reyes, M. A. C., Myles, J., Rocher, A., Hadzhiyska, B., Aguilar, J., Ahlen, S., Brooks, D., Claybaugh, T., Cole, S., de la Macorra, et al
  2025; 538 (2): 1216-1240
- **GD-1 Stellar Stream and Cocoon in the DESI Early Data Release** *ASTROPHYSICAL JOURNAL*
  Valluri, M., Fagrelius, P., Koposov, S. E., Li, T. S., Gnedin, O. Y., Bell, E. F., Carlberg, R. G., Cooper, A. P., Aguilar, J., Ahlen, S., Prieto, C., Belokurov, V., Beraldo e Silva, et al
  2025; 980 (1)
- **DESI 2024 VI: cosmological constraints from the measurements of baryon acoustic oscillations** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Alexander, D. M., Alvarez, M., Alves, O., Anand, A., Andrade, U., Armengaud, E., Avila, S., Aviles, A., Awan, et al
  2025
- **Full Modeling and parameter compression methods in configuration space for DESI 2024 and beyond** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Ramirez-Solano, S., Icaza-Lizaola, M., Noriega, H. E., Vargas-Magana, M., Fromenteau, S., Aviles, A., Rodriguez-Martinez, F., Aguilar, J., Ahlen, S., Alves, O., Brieden, S., Brooks, D., Claybaugh, et al
  2025
- **DESI 2024 IV: Baryon Acoustic Oscillations from the Lyman alpha forest** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
  Adame, A. G., Aguilar, J., Ahlen, S., Alam, S., Alexander, D. M., Alvarez, M., Alves, O., Anand, A., Andrade, U., Armengaud, E., Avila, S., Aviles, A., Awan, et al
  2025
- **SAGAbg. II. The Low-mass Star-forming Sequence Evolves Significantly between 0.05 < z < 0.21** *ASTROPHYSICAL JOURNAL*
  Kado-Fong, E., Geha, M., Mao, Y., de los Reyes, M. A. C., Wechsler, R. H., Weiner, B., Asali, Y., Kallivayalil, N., Nadler, E. O., Tollerud, E. J., Wang, Y.
  2024; 976 (1)
- **Analysis of DESI x DES using the Lagrangian effective theory of LSS** *PHYSICAL REVIEW D*
  Chen, S., DeRose, J., Zhou, R., White, M., Ferraro, S., Blake, C., Lange, J. U., Wechsler, R. H., Aguilar, J., Ahlen, S., Brooks, D., Claybaugh, T., Dawson, et al
  2024; 110 (10)
- **The SAGA Survey. IV. The Star Formation Properties of 101 Satellite Systems around Milky Way-mass Galaxies** *ASTROPHYSICAL JOURNAL*
  Geha, M., Mao, Y., Wechsler, R. H., Asali, Y., Kado-Fong, E., Kallivayalil, N., Nadler, E. O., Tollerud, E. J., Weiner, B., de los Reyes, M. A. C., Wang, Y., Wu, J. F.
  2024; 976 (1)
- **How the Galaxy-Halo Connection Depends on Large-scale Environment** *ASTROPHYSICAL JOURNAL*
  Wu, J. F., Jespersen, C., Wechsler, R. H.
  2024; 976 (1)

- **The SAGA Survey. V. Modeling Satellite Systems around Milky Way-Mass Galaxies with Updated U<sc>niverse</sc>M<sc>achine</sc>** *ASTROPHYSICAL JOURNAL*
  Wang, Y., Nadler, E. O., Mao, Y., Wechsler, R. H., Abel, T., Behroozi, P., Geha, M., Asali, Y., de los Reyes, M. A. C., Kado-Fong, E., Kallivayalil, N., Tollerud, E. J., Weiner, et al
  2024; 976 (1)

- **The mass profiles of dwarf galaxies from Dark Energy Survey lensing** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Thornton, J., Amon, A., Wechsler, R. H., Adhikari, S., Mao, Y., Myles, J., Geha, M., Kallivayalil, N., Tollerud, E., Weiner, B.
  2024; 535 (1): 1-20

- **The Dark Energy Survey: Cosmology Results with #1500 New High-redshift Type Ia Supernovae Using the Full 5 yr Data Set** *ASTROPHYSICAL JOURNAL LETTERS*
  Abbott, T. C., Acevedo, M., Aguena, M., Alarcon, A., Allam, S., Alves, O., Amon, A., Andrade-Oliveira, F., Annis, J., Armstrong, P., Asorey, J., Avila, S., Bacon, et al
  2024; 973 (1)

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