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Research Interests

Galaxy formation and evolution, high redshift galaxies, galaxy structures, gas and stellar kinematics, dynamical modeling, galaxy quenching

Education

2017 **Ph.D. Astrophysics**, *University of California, Berkeley*
Dissertation: Galaxies in the Young Universe: Structures, Masses, and Composition of Star-Forming Galaxies at $z \sim 1.5 - 3$
Advisor: Mariska Kriek
2013 **M.A. Astrophysics**, *University of California, Berkeley*
2011 **B.S. Physics**, *with honors, California Institute of Technology*

Research Positions

2022-present Samuel P. Langley PITT PACC Fellow, University of Pittsburgh, PA, USA
2017-2022 Postdoctoral Scholar, Max-Planck-Institut für extraterrestrische Physik, Garching, Germany
2011-2017 Graduate Student, UC Berkeley, CA, USA
2008-2010 Summer Undergraduate Research Fellow; undergrad. researcher, Caltech, Pasadena, CA, USA

Fellowships & Awards

2022 Samuel P. Langley PITT PACC Fellowship, University of Pittsburgh
2014 Outstanding Graduate Student Instructor Award, UC Berkeley
2012 NSF Graduate Research Fellowship, UC Berkeley
2009 Margie Lauritsen Leighton Prize, Caltech

Large Surveys and Collaborations

UNCOVER, *JWST Cycle 1 Treasury program; Survey Manager (PIs: I. Labbé, R. Bezanson)*
NOEMA^{3D}, *MPG-IRAM Observatory Program IRAM/NOEMA survey (PIs: R. Genzel, R. Neri, L.J. Tacconi)*
KMOS^{3D}, *VLT/KMOS GTO survey (PIs: N.M. Förster Schreiber, D. Wilman)*
MOSDEF, *MOSFIRE Deep Evolution Field Survey, Keck Large Multi-Year Project (PIs: A.E. Shapley, A.L. Coil, M. Kriek, B. Mobasher, N.A. Reddy, B. Siana)*
3D-HST, *HST Treasury grism survey (PI: P. van Dokkum)*

Approved Proposals as PI

Pitt Center for Research Computing, 2024, “Characterizing Morphologies of Distant ($z > 1$) Galaxies with JWST imaging”, 228900 hrs (*PI: S.H. Price*)

Approved Proposals as Co-I

JWST, NIRSpec, Cycle 3, #5629, “Extremely deep spectroscopy of quiescent galaxies at $z \sim 0.7$: A direct measurement of the stellar initial mass function beyond the low-redshift universe”, 40 hrs (*PIs: M. Kriek, A. Beverage, C. Cheng*)
JWST, NIRSpec, Cycle 3, #6405, “Clumpy Relics: The First Spectroscopic Confirmation of Globular Clusters at $z \sim 3$ ”, 20 hrs (*PIs: S. Cutler, K. Whitaker*)
JWST, NIRSpec, Cycle 3, #5974, “ORCHIDS: ORigin of the [C II] Halos In Distant Systems”, 43 hrs (*PIs: M. Aravena, J. González López*)
IRAM/NOEMA, W23, W23DA, “Resolved [CII] Kinematics and ISM Properties of $z > 6$ Galaxies – II: Pilot High-Resolution Mapping”, 35 hrs (*PI: N.M. Förster Schreiber*)
ALMA, Cycle 10, 2023.1.00626.S, “A joint ALMA and JWST public Legacy Field - Abell 2744”, 29.7 hrs (*PI: V. Kokorev*)
JWST, NIRC2, Cycle 2, #4111, “Medium bands, Mega Science: spatially-resolved $R \sim 15$ spectrophotometry of 50,000 sources at $z = 0.3 - 12$ ”, 50 hrs (*PI: K. Suess*)

- JWST, NIRSpec, Cycle 2, #4106, “Extremely massive galaxies in the early universe: a challenge to Lambda-CDM?”, 14 hrs (*PIs: E. Nelson, I. Labbé*)
- JWST, NIRSpec, Cycle 2, #4196, “How to Form a Compact Massive Galaxy: Spatially Resolved Maps of Pa-beta at $z=2.3$ ”, 2.7 hrs (*PI: J. Gibson*)
- JWST, NIRSpec/NIRCam, Cycle 2, #4265, “Unveiling the interplay between the circumgalactic and interstellar media in a complex protocluster environment at $z=4.5$ ”, 17 hrs (*PI: J. González López*)
- IRAM/NOEMA, W22, W22EB, “Resolved [CII] Kinematics and ISM Properties of $z > 6$ Galaxies – I: Measuring the Fluxes”, 30 hrs (*PI: N.M. Förster Schreiber*)
- ALMA, Cycle 9, 2022.1.00073.S, “A joint ALMA and JWST public Legacy Field - Abell 2744”, 37.2 hrs (*PI: S. Fujimoto*)
- JWST, NIRCam/NIRSpec, Cycle 1 Treasury, #2561, “UNCOVER: Ultra-deep NIRCam and NIRSpec Observations Before the Epoch of Reionization”, 71 hrs (*PIs: I. Labbé, R. Bezanson*)
- JWST, NIRSpec, Cycle 1, #2110, “Ultra-deep continuum spectroscopy of quiescent galaxies at $1.0 < z < 2.5$: chemical abundances and stellar kinematics”, 23 hrs (*PIs: M. Kriek, A. Beverage*)
- ALMA, Cycle 8 Large Program, 2021.1.00280.L, “CRISTAL: a survey of gas, dust and stars on kiloparsec scales in star-forming galaxies at $z \sim 4-5$ ”, 138.7 hrs (*PIs: M. Aravena, I. de Looze, N.M. Förster Schreiber, J. González López, R. Herrera-Camus, J. Spilker, K. Tadaki*)
- IRAM/NOEMA, W20, W20EM, “Resolved [CII] Kinematics and ISM Properties of a $z > 6$ Galaxy”, 30 hrs (*PI: N.M. Förster Schreiber*)
- Keck, LRIS, F20/F19, U049/U160, “An Unprecedented Probe of the Multi-Phase Structure and Kinematics of Outflows at High Redshift”, 4 nights (*PI: A.E. Shapley*)
- IRAM/NOEMA, W19, W19CJ, “Characterizing Molecular Gas in Quenching Galaxies at $z > 1$ ”, 24 hrs (*PI: S. Belli*)
- IRAM/NOEMA, S19, L19MD, “NOEMA3D: a Comprehensive Census of the Molecular Gas Distribution & Kinematics of Massive Main-Sequence Star Forming Galaxies at the Peak and Winding Down of Galaxy Formation Activity”, ~1300 hrs (*PIs: R. Genzel, R. Neri, L. Tacconi*)
- ALMA, Cycle 7, 2019.1.00477.S, “ColdSINS: an ALMA cold gas census of the deepest near-IR IFU+AO sample of $z \sim 2$ star-forming galaxies”, 15 hrs (*PI: N.M. Förster Schreiber*)
- ALMA, Cycle 7, 2019.1.01362.S, “Testing the high- z main-sequence paradigm with ALMA: from disk instability to clumps, bulge formation and quenching”, 31.6 hrs (*PI: R. Herrera-Camus*)
- ALMA, Cycles 6 & 7, 2018.1.00543.S / 2019.1.00640.S, “Simultaneous AGN and star formation driven feedback in action on a massive, typical galaxy at $z \sim 2$ ”, 19.6 hrs (*PI: R. Herrera-Camus*)
- IRAM/NOEMA, W18, W18DG, “A Pilot Program for NOEMA³D: a Comprehensive Survey of Molecular Gas Kinematics and Distributions at Cosmic Noon”, 35 hrs (*PI: R. Genzel*)
- IRAM/NOEMA, W18, W18DN, “[CII] 158 micron line emission from three galaxies when the Universe was 700 million years old”, 45 hrs (*PI: R. Herrera-Camus*)
- IRAM/NOEMA, W18, W18DF, “Measuring the Molecular Gas Content of a Quenching Galaxy at $z=1$ ”, 20 hrs (*PI: S. Belli*)
- VLT, SINFONI, Period 102, 0102.B-0062, “Witnessing angular momentum transport and the build-up of massive bulges through kiloparsec-scale kinematics of massive $z=1-1.5$ star-forming galaxies with SINFONI+AO”, 7 nights (*PI: N.M. Förster Schreiber*)
- VLT, SINFONI, Period 102, 0102.B-0087, “Connecting galaxies through cosmic time – the outer disk rotation curves and baryonic-to-dark matter ratios of low-velocity galaxies at $z=1-2$ ”, 4 nights (*PI: H. Übler*)
- Keck, MOSFIRE/LRIS, F18/S18/F17/S17/F16, U094/U258/U147/U091/U195, “The Heavy Metal Survey: The chemical enrichment, star-formation and assembly histories of $z \sim 1.4-2.3$ quiescent galaxies”, 10/1 nights (*PI: M. Kriek*)

Observing Experience

- European Southern Observatory, VLT, SINFONI (3 nights)
- W. M. Keck Observatory, Keck I 10 m telescope, MOSFIRE (10.5 nights), OSIRIS (3.5 nights), LRIS (0.5 night)

Software Development

- Dysmalpy: *MPE/IR-Submm Group, Co-lead & contributor; Kinematic analysis in 1D, 2D, or 3D; port of IDL DYSMAL package (Cresci et al. 2009, Davies et al. 2011, Genzel et al. 2017). Led significant extensions*

adding multi-D support, Bayesian sampling, non-circular motions, and support for multiple observations including different kinematic tracers. Used in Price et al. 2021, Herrera-Camus et al. 2022, Übler et al. 2022, Nestor Shachar et al. 2023, Lee et al., subm.

<https://github.com/dysmalpy/dysmalpy>

Docs: <https://www.mpe.mpg.de/resources/IR/DYSMALPY/>

BEAST (Bayesian Evaluation of Axis ratios to Sample galaxy Triaxiality): *Developed package for using Bayesian sampling to model galaxy ensemble 3D shapes through axis ratio fitting. Used in J. Gibson, et al., to be subm.; Price et al. in prep. (accompanying public release)*

astropy/visualization: *Generalized scripts to generate RGB images, extending current functionality. Pull request review ongoing. <https://github.com/astropy/astropy/pull/15081>*

deprojected_sersic_models: *Developed package to compute and scale pre-computed deprojected oblate (or prolate) Sérsic model mass, density, and kinematic profiles. Used in Price et al. 2022.*

https://github.com/sedonaprice/deprojected_sersic_models

Docs: https://sedonaprice.github.io/deprojected_sersic_models

misfit: *Developed package for 2D or 1D modeling of galaxy kinematics from misaligned slits, using spatially-resolved imaging profiles. Used in Price et al. 2016, 2020.*

<https://github.com/sedonaprice/misfit>

Teaching

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| 2023, 2024 | AstroPGH Python Bootcamp, <i>Module instructor</i> , University of Pittsburgh |
| 2013 | Astro C10, <i>Co-head GSI, Introductory course for non-majors</i> , UC Berkeley |
| 2012 | Astro 7b, <i>GSI, Introductory course for majors</i> , UC Berkeley |
| 2011 | Astro C10, <i>GSI, Introductory course for non-majors</i> , UC Berkeley |
| 2010, 2011 | Physics 6, <i>TA, Sophomore physics major lab</i> , Caltech |

Student supervision & research mentoring

Yunchong Zhang (*co-supervised, U. Pittsburgh graduate student, 2023–*)
 Morgana Iacocca (*co-supervised, U. Pittsburgh undergraduate/postbacc student, 2023–*)
 Lilian Lee (*research mentoring, MPE graduate student, 2021–*)
 Amit Nestor Shachar (*research mentoring, Tel Aviv University graduate student, 2019–*)
 Meng Luo (*co-supervised, UC Berkeley undergraduate student, 2014–2015*)

Presentations

Colloquia & Seminars:

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| 2024 Feb | Colloquium, Cornell University, Ithaca, NY, USA |
| 2024 Feb | Special seminar, Cornell University, Ithaca, NY, USA |
| 2023 May | Talk, Impossible Problems: Astronomy and Statistics, CMU, Pittsburgh, PA, USA |
| 2023 Feb | AstroLunch seminar, University of Pittsburgh, Pittsburgh, PA, USA |
| 2022 Oct | Colloquium, Penn State University, State College, PA, USA |
| 2022 Jun | Scientific Advisory Board talk, MPE, Garching, Germany |
| 2017 Jun | Invited Cosmology seminar, UC Davis, CA, USA |
| 2016 Nov | Tea talk, Caltech, Pasadena, CA, USA |
| 2016 Nov | Lunch seminar, Carnegie Observatories, Pasadena, CA, USA |
| 2016 Nov | Invited seminar, CfA/Harvard, Cambridge, MA, USA |
| 2016 Nov | Invited lunch talk, MIT, Cambridge, MA, USA |
| 2015 Nov | Lunch talk, UC Berkeley, CA, USA |
| 2013 Oct | Lunch talk, UC Berkeley, CA, USA |

Conferences & Workshops:

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| 2024 Jun | *Invited participant, Ringberg, <i>Galaxy Evolution at High Resolution</i> , Ringberg, Germany |
| 2024 Mar | Talk, Aspen Center for Physics, <i>The Physics and Impact of Astrophysical Dust: from Star Formation Through Cosmology</i> , Aspen, CO, USA |
| 2023 Mar | Talk, KICC, <i>Early results from the James Webb Space Telescope</i> , Cambridge, UK |
| 2022 Sep | Talk, KICC, <i>Epoch of Galaxy Quenching 2022</i> , Cambridge, UK |
| 2022 Jul | *Invited participant, Ringberg, <i>In Situ View of Galaxy Formation 2</i> , Ringberg, Germany |
| 2022 Jun | Talk, <i>LEGA-C Collaboration workshop</i> , Bruges, Belgium |

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| 2021 Sep | Talk, University of Oxford, <i>Spatially Resolved Spectroscopy with Extremely Large Telescopes</i> , virtual |
| 2020 Mar | *Invited talk, IAU Symposium 359, <i>GALFEED</i> , Bento Gonçalves, RS, Brazil |
| 2019 Oct | *Invited participant, Lorentz Center, <i>Revolutionary Spectroscopy of Today as a Springboard to Webb</i> , Leiden, the Netherlands |
| 2019 Sep | *Invited talk, KIAA, <i>Second Forum on Gas in Galaxies</i> , Beijing, China |
| 2019 Mar | *Invited talk, Universität Heidelberg, <i>MOSAIC 2019 Science meeting</i> , Heidelberg, Germany |
| 2018 Dec | Talk, ESO Workshop, <i>KMOS@5</i> , Garching, Germany |
| 2018 Aug | Talk, Santa Cruz Galaxy Workshop, Santa Cruz, CA, USA |
| 2017 Jun | Talk, <i>Advances in Galaxy Evolution</i> , Ringberg, Germany |
| 2016 Sep | Talk, Keck Science Meeting, Pasadena, CA, USA |
| 2016 Aug | Talk, Santa Cruz Galaxy Workshop, Santa Cruz, CA, USA |
| 2016 Jul | Talk, Munich Joint Conference, <i>Discs in Galaxies</i> , Garching, Germany |
| 2016 Apr | Poster, STScI Spring Symposium, <i>What Shapes Galaxies?</i> , Baltimore, MD, USA |
| 2015 Aug | Talk, IAU Symposium 319, <i>Galaxies at High Redshift and Their Evolution over Cosmic Time</i> , Honolulu, HI, USA |
| 2013 May | Talk, Lorentz Center, <i>Galaxy formation from $z=5$ to $z=0$</i> , Leiden, the Netherlands |

Service

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| — | Referee, <i>The Astrophysical Journal (ApJ)</i> , <i>Nature</i> |
| 2024 | JWST TAC discussion panelist, <i>Cycle 3</i> |
| 2023 | Pittsburgh AstroLunch co-organizer, University of Pittsburgh |
| 2023 Sep | Discussion leader, <i>Astro group NSF GRFP application session</i> , University of Pittsburgh |
| 2013-2016 | Mentoring coordinator, <i>co-head of grad student mentoring program</i> , UC Berkeley |
| 2013-2015 | Mentor, <i>mentoring junior graduate student</i> , UC Berkeley |
| 2012-2015 | Graduate Student Representative, <i>Astronomy Department</i> , UC Berkeley |

Outreach

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| 2023 Apr | Astronomy on Tap, <i>Public Outreach talk</i> , Pittsburgh, PA, USA |
| 2020 Jan | IR Group Science and Instrument presentation, <i>Visiting college student tour</i> , MPE |
| 2017 Apr | Solar Activities, <i>Marin Elementary STEAM day</i> , UC Berkeley |
| 2012-2017 | Annual Cal Day, <i>Astronomy Department exposition</i> , UC Berkeley |
| 2014-2017 | Mentoring Group, <i>Society of Women in Physical Sciences</i> , UC Berkeley |
| 2016 May | Solar Viewing, <i>Ecology Center Festival</i> , UC Berkeley |
| 2011-2015 | Annual Bay Area Science Festival, <i>Science@Cal</i> , UC Berkeley |
| 2013-2015 | Annual Astronomy Demo Day, <i>Meher School 5th grade class</i> , UC Berkeley |
| 2012-2014 | Mentor, <i>Berkeley Compass Project</i> , UC Berkeley |
| 2012 Mar | Expanding Your Horizons workshop, <i>for middle school girls</i> , UC Berkeley |

[†]Denotes student-led paper

First and Second Author Publications

11. **Price, S. H.**, Suess, K. A., Williams, C. C., et al., “*UNCOVER: The rest ultraviolet to near infrared multiwavelength structures and dust distributions of sub-millimeter-detected galaxies in Abell 2744*,” 2023, [arXiv:2310.02500](https://arxiv.org/abs/2310.02500)
10. [†]Nestor Shachar, A., **Price, S. H.**, Förster Schreiber, N. M., et al., “*RC100: Rotation Curves of 100 Massive Star-forming Galaxies at $z = 0.6-2.5$ Reveal Little Dark Matter on Galactic Scales*,” 2023, [ApJ 944 78](https://doi.org/10.1093/apj/944/78)
9. **Price, S. H.**, Übler, H., Förster Schreiber, N. M., et al., “*Kinematics and mass distributions for non-spherical deprojected Sérsic density profiles and applications to multi-component galactic systems*,” 2022, [A&A 665 A159](https://doi.org/10.1051/0004-6361/20224159)
8. **Price, S. H.**, Shimizu, T. T., Genzel, R., et al., “*Rotation Curves in $z \sim 1-2$ Star-forming Disks: Comparison of Dark Matter Fractions and Disk Properties for Different Fitting Methods*,” 2021, [ApJ 922 143](https://doi.org/10.1093/apj/922/143)
7. Genzel, R., **Price, S. H.**, Übler, H., et al., “*Rotation Curves in $z \sim 1-2$ Star-forming Disks: Evidence for Cored Dark Matter Distributions*,” 2020, [ApJ 902 98](https://doi.org/10.1093/apj/902/98)
6. **Price, S. H.**, Kriek, M., Barro, G., et al., “*The MOSDEF Survey: Kinematic and Structural Evolution of Star-forming Galaxies at $1.4 \leq z \leq 3.8$* ,” 2020, [ApJ 894 91](https://doi.org/10.1093/apj/894/91)

5. Kriek, M., **Price, S. H.**, Conroy, C., et al., “*Stellar Metallicities and Elemental Abundance Ratios of $z \sim 1.4$ Massive Quiescent Galaxies*,” 2019, [ApJL 880 L31](#)
4. **Price, S. H.**, Kriek, M., Feldmann, R., et al., “*Testing the Recovery of Intrinsic Galaxy Sizes and Masses of $z \sim 2$ Massive Galaxies Using Cosmological Simulations*,” 2017, [ApJL 844 L6](#)
3. **Price, S. H.**, Kriek, M., Shapley, A. E., et al., “*The MOSDEF Survey: Dynamical and Baryonic Masses and Kinematic Structures of Star-Forming Galaxies at $1.4 \leq z \leq 2.6$* ,” 2016, [ApJ 819 80](#)
2. **Price, S. H.**, Kriek, M., Brammer, G. B., et al., “*Direct Measurements of Dust Attenuation in $z \sim 1.5$ Star-Forming Galaxies from 3D-HST: Implications for Dust Geometry and Star Formation Rates*,” 2014, [ApJ 788 86](#)
1. Bergé, J., **Price, S.**, Amara, A., & Rhodes, J., “*On point spread function modelling: towards optimal interpolation*,” 2012, [MNRAS 419 2356](#)

Contributing Author Publications

103. Weldon, A., Reddy, N. A., Coil, A. L., et al., including **SHP**, “*The MOSDEF survey: properties of warm ionized outflows at $z = 1.4-3.8$* ,” 2024, [MNRAS 531 4560-4576](#)
102. Kehoe, E., Shapley, A. E., Forster Schreiber, N. M., et al., including **SHP**, “*The First Combined H α and Rest-UV Spectroscopic Probe of Galactic Outflows at High Redshift*,” 2024, [arXiv:2406.07621](#)
101. Chemerynska, I., Atek, H., Furtak, L. J., et al., including **SHP**, “*JWST UNCOVER: the overabundance of ultraviolet-luminous galaxies at $z > 9$* ,” 2024, [MNRAS 531 2615-2625](#)
100. Cutler, S. E., Whitaker, K. E., Weaver, J. R., et al., including **SHP**, “*Two Distinct Classes of Quiescent Galaxies at Cosmic Noon Revealed by JWST PRIMER and UNCOVER*,” 2024, [ApJL 967 L23](#)
99. Kriek, M., Beverage, A. G., **Price, S. H.**, et al., “*The Heavy Metal Survey: Star Formation Constraints and Dynamical Masses of 21 Massive Quiescent Galaxies at $z = 1.3-2.3$* ,” 2024, [ApJ 966 36](#)
98. Beverage, A. G., Kriek, M., Suess, K. A., et al., including **SHP**, “*The Heavy Metal Survey: The Evolution of Stellar Metallicities, Abundance Ratios, and Ages of Massive Quiescent Galaxies since $z \sim 2$* ,” 2024, [ApJ 966 234](#)
97. Slob, M., Kriek, M., Beverage, A. G., et al., including **SHP**, “*The JWST-SUSPENSE Ultradeep Spectroscopic Program: Survey Overview and Star-Formation Histories of Quiescent Galaxies at $1 < z < 3$* ,” 2024, [arXiv:2404.12432](#)
96. Furtak, L. J., Labbé, I., Zitrin, A., et al., including **SHP**, “*A high black-hole-to-host mass ratio in a lensed AGN in the early Universe*,” 2024, [Nature 628 57-61](#)
95. Suess, K. A., Weaver, J. R., **Price, S. H.**, et al., “*Medium Bands, Mega Science: a JWST/NIRCam Medium-Band Imaging Survey of Abell 2744*,” 2024, [arXiv:2404.13132](#)
94. de Graaff, A., Setton, D. J., Brammer, G., et al., including **SHP**, “*Efficient formation of a massive quiescent galaxy at redshift 4.9*,” 2024, [arXiv:2404.05683](#)
93. Greene, J. E., Labbe, I., Goulding, A. D., et al., including **SHP**, “*UNCOVER Spectroscopy Confirms the Surprising Ubiquity of Active Galactic Nuclei in Red Sources at $z > 5$* ,” 2024, [ApJ 964 39](#)
92. Wang, B., Leja, J., Atek, H., et al., including **SHP**, “*Quantifying the Effects of Known Unknowns on Inferred High-redshift Galaxy Properties: Burstiness, IMF, and Nebular Physics*,” 2024, [ApJ 963 74](#)
91. Atek, H., Labbé, I., Furtak, L. J., et al., including **SHP**, “*Most of the photons that reionized the Universe came from dwarf galaxies*,” 2024, [Nature 626 975-978](#)
90. Burgasser, A. J., Bezanson, R., Labbe, I., et al., including **SHP**, “*UNCOVER: JWST Spectroscopy of Three Cold Brown Dwarfs at Kiloparsec-scale Distances*,” 2024, [ApJ 962 177](#)
89. Setton, D. J., Khullar, G., Miller, T. B., et al., including **SHP**, “*UNCOVER NIRSpec/PRISM Spectroscopy Unveils Evidence of Early Core Formation in a Massive, Centrally Dusty Quiescent Galaxy at $z_{\text{spec}} = 3.97$* ,” 2024, [arXiv:2402.05664](#)
88. Lee, M. M., Steidel, C. C., Brammer, G., et al., including **SHP**, “*High dust content of a quiescent galaxy at $z \sim 2$ revealed by deep ALMA observation*,” 2024, [MNRAS 527 9529-9547](#)

87. Wang, B., Leja, J., Labbé, I., et al., including [SHP](#), “*The UNCOVER Survey: A First-look HST+JWST Catalog of Galaxy Redshifts and Stellar Population Properties Spanning $0.2 \lesssim z \lesssim 15$* ,” 2024, [ApJS 270 12](#)
86. Weaver, J. R., Cutler, S. E., Pan, R., et al., including [SHP](#), “*The UNCOVER Survey: A First-look HST + JWST Catalog of 60,000 Galaxies near A2744 and beyond*,” 2024, [ApJS 270 7](#)
85. Übler, H., Förster Schreiber, N. M., van der Wel, A., et al., including [SHP](#), “*Galaxy kinematics and mass estimates at $z \sim 1$ from ionized gas and stars*,” 2024, [MNRAS 527 9206-9235](#)
84. Genzel, R., Jolly, J.-B., Liu, D., et al., including [SHP](#), “*Evidence for Large-scale, Rapid Gas Inflows in $z \sim 2$ Star-forming Disks*,” 2023, [ApJ 957 48](#)
83. Martorano, M., van der Wel, A., Bell, E. F., et al., including [SHP](#), “*Rest-frame Near-infrared Radial Light Profiles up to $z = 3$ from JWST/NIRCam: Wavelength Dependence of the Sérsic Index*,” 2023, [ApJ 957 46](#)
82. Wang, B., Fujimoto, S., Labbé, I., et al., including [SHP](#), “*UNCOVER: Illuminating the Early Universe-JWST/NIRSpec Confirmation of $z > 12$ Galaxies*,” 2023, [ApJL 957 L34](#)
81. Kokorev, V., Fujimoto, S., Labbe, I., et al., including [SHP](#), “*UNCOVER: A NIRSpec Identification of a Broad-line AGN at $z = 8.50$* ,” 2023, [ApJL 957 L7](#)
80. Nelson, E. J., Brammer, G., Gimenez-Arteaga, C., et al., including [SHP](#), “*FRESCO: An extended, massive, rapidly rotating galaxy at $z=5.3$* ,” 2023, [arXiv:2310.06887](#)
79. Atek, H., Chemerynska, I., Wang, B., et al., including [SHP](#), “*JWST UNCOVER: discovery of $z > 9$ galaxy candidates behind the lensing cluster Abell 2744*,” 2023, [MNRAS 524 5486-5496](#)
78. Goulding, A. D., Greene, J. E., Setton, D. J., et al., including [SHP](#), “*UNCOVER: The Growth of the First Massive Black Holes from JWST/NIRSpec-Spectroscopic Redshift Confirmation of an X-Ray Luminous AGN at $z = 10.1$* ,” 2023, [ApJL 955 L24](#)
77. Fujimoto, S., Bezanson, R., Labbe, I., et al., including [SHP](#), “*DUALZ – Deep UNCOVER-ALMA Legacy High-Z Survey*,” 2023, [arXiv:2309.07834](#)
76. Fujimoto, S., Wang, B., Weaver, J., et al., including [SHP](#), “*UNCOVER: A NIRSpec Census of Lensed Galaxies at $z=8.50-13.08$ Probing a High AGN Fraction and Ionized Bubbles in the Shadow*,” 2023, [arXiv:2308.11609](#)
75. Furtak, L. J., Zitrin, A., Plat, A., et al., including [SHP](#), “*JWST UNCOVER: Extremely Red and Compact Object at $z_{\text{phot}} \simeq 7.6$ Triply Imaged by A2744*,” 2023, [ApJ 952 142](#)
74. Weldon, A., Reddy, N. A., Topping, M. W., et al., including [SHP](#), “*The MOSDEF-LRIS survey: detection of inflowing gas towards three star-forming galaxies at $z \sim 2$* ,” 2023, [MNRAS 523 5624-5634](#)
73. Furtak, L. J., Zitrin, A., Weaver, J. R., et al., including [SHP](#), “*UNCOVERing the extended strong lensing structures of Abell 2744 with the deepest JWST imaging*,” 2023, [MNRAS 523 4568-4582](#)
72. Lorenz, B., Kriek, M., Shapley, A. E., et al., including [SHP](#), “*An Updated Dust-to-Star Geometry: Dust Attenuation Does Not Depend on Inclination in $1.3 \leq z \leq 2.6$ Star-forming Galaxies from MOSDEF*,” 2023, [ApJ 951 29](#)
71. Labbe, I., Greene, J. E., Bezanson, R., et al., including [SHP](#), “*UNCOVER: Candidate Red Active Galactic Nuclei at $3 < z < 7$ with JWST and ALMA*,” 2023, [arXiv:2306.07320](#)
70. Nelson, E. J., Suess, K. A., Bezanson, R., et al., including [SHP](#), “*JWST Reveals a Population of Ultrared, Flattened Galaxies at $2 < z < 6$ Previously Missed by HST*,” 2023, [ApJL 948 L18](#)
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Grants

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| 2016 | AAS International Travel Grant, Munich Joint Conference |
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