Hollis Akins

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Education

Ph.D. Astronomy, The University of Texas at Austin Expected 2026
Thesis: *The extremes of early galaxy evolution with JWST+ALMA*
Advisors: Dr. Caitlin Casey, Dr. Steven Finkelstein

M.S. Astronomy, The University of Texas at Austin May 2025
Thesis: *The abundance and physical nature of compact, red galaxies discovered by JWST*
Advisor: Dr. Caitlin Casey

B.A. Physics (with Honors), Grinnell College May 2022
Advisor: Dr. Charlotte Christensen

Research Appointments

The University of Texas at Austin Department of Astronomy ..... Austin, TX
NSF Graduate Research Fellow 2024 – Present
Harrington Graduate Research Fellow 2022 – 2024
Advisors: Caitlin Casey, Steve Finkelstein

Grinnell College Department of Physics ..... Grinnell, IA
Research Assistant 2019 – 2022
Advisors: Dr. Charlotte Christensen

Cosmic Dawn Center ..... Copenhagen, Denmark
DAWN-IRES Summer Scholar Summer 2021
Advisors: Dr. Seiji Fujimoto, Dr. Kristian Finlator

The University of Florida Department of Astronomy ..... Gainesville, FL
REU Student Summer 2020
Advisor: Dr. Desika Narayanan

Awards & Recognitions

Frank N. Edmonds Memorial Fellowship in Astronomy (*UT Austin*) 2024
NSF Graduate Research Fellowship 2024
Donald D. Harrington Fellowship (*UT Austin*) 2022
Andrew W. Archibald Prize for Highest Scholarship (*Grinnell College*) 2022
H. George Apostle Prize in Physics (*Grinnell College*) 2022
Barry M. Goldwater Scholarship 2021
AAS Chambliss Astronomy Achievement Award (Honorable Mention) 2021
Joseph F. Wall '41 Phi Beta Kappa Scholar's Award (*Grinnell College*) 2020
Dean's Scholarship (*Grinnell College*) 2018
National Merit Scholarship (*Grinnell College*) 2018

Observing Programs (as PI)

James Webb Space Telescope (JWST), 133.8 hours (2 programs)

GO #7076 **PI Akins**, "A comprehensive population study of 'Little Red Dots': Connecting early BH and galaxy growth" (**86.2 hours**, total grant: $451,646)

GO #7417 **PIs Casey, Akins, and Franco**, "Brightest & Farthest: Confirming intrinsically luminous $z \sim 10$–12 galaxies in COSMOS" (**47.6 hours**, total grant: $288,085)

Atacama Large Millimeter-submillimeter Array (ALMA), 12.8 hours (1 program)

2024.1.01085.S **PI Akins**, "ALMA follow-up of Little Red Dots: Efficiently testing black hole growth/feedback models with multiphase gas kinematics" (**12.8 hours**)

Northern Extended Millimeter Array (NOEMA), 16.0 hours (1 program)

S23CZ **PIs Akins & Liu**, "Exceptional dust obscuration in a $z \sim 8$ EoR candidate?" (**16.0 hours**)

Teaching & Mentorship

UT Austin

Mentored UT undergraduate Gabrielle Oliva through semester research project — Fall 2024
Informal Mentor, Department of Astronomy REU Program — Summer 2023

Grinnell College

Lab Assistant for PHY-337: *Optics & Wave Phenomena* — Spring 2022
Course Mentor for PHY-116: *The Universe and its Structure* — Fall 2020
Lab Assistant for PHY-234: *Mechanics* (computational lab) — Spring 2020
Student Mentor in the *Data Analysis and Social Inquiry Lab* (*DASIL*) — 2018–2020
Teaching Assistant for SST-125: *Introduction to Geomgraphic Information Systems* — Fall 2019, Fall 2020

Presentations

Contributed Talk, *Kaba Kada: Exploring the first billion years of the Universe* (QLD, Australia) — Sep 2025
Contributed Talk, *EREBUS/COSMOS-3D team meeting* (Bologna, Italy) — Jun 2025
Contributed Talk, *The Inaugural Cosmic Frontier Center Conference* (Austin, TX) — May 2025
Contributed Talk, *COSMOS team meeting @ LAM* (Marsielle, France) — Mar 2025
Contributed Talk, *The growth of galaxies in the Early Universe – X* (Sesto, Italy) — Jan 2025
Seminar Talk, *UT Austin Galaxies & Cosmology Seminar* (Austin, TX) — Dec 2024
Contributed Talk, *40th annual IAP Symposium* (Paris, France) — Dec 2024
Contributed Talk, *Lurking Lions: Hidden Challenges to Solving Galaxy Formation* (South Africa) — Aug 2024
Contributed Talk, *45th COSPAR Scientific Assembly* (Busan, Korea) — Jul 2024
Contributed Talk, *COSMOS team meeting @ Kavli IPMU* (Tokyo, Japan) — Jul 2024
Contributed Talk, *The Physics and Impact of Astrophysical Dust* (Aspen, CO) — Mar 2024
Seminar Talk, *UT Austin Galaxies & Cosmology Seminar* (Austin, TX) — Jan 2024
Invited Talk, *AAS243 special session "First Results from COSMOS-Web"* (New Orleans, LA) — Jan 2024
Contributed Talk, *Resolving the Extragalactic Universe with ALMA & JWST* (Tokyo, Japan) — Nov 2023
Seminar Talk, *UT Austin Galaxies & Cosmology Seminar* (Austin, TX) — Nov 2023
Contributed Talk, *JWST turns one: the birth and growth of galaxies* (Sesto, Italy) — Jul 2023
Contributed Talk, *COSMOS team meeting @ RIT* (Rochester, NY) — May 2023
Contributed Talk, *CEERS team meeting @ UT* (Austin, TX) — May 2023
Contributed Talk, *COSMOS team meeting @ IAP* (Paris, France) — Jun 2022
Press Conference, *AAS240* (Pasadena, CA) **[link]** — Jun 2022
Seminar Talk, *Cosmic DAWN Center "Cake Talks"* (remote) — Sep 2021
Seminar Talk, *Grinnell College Physics Department Seminar* (Grinnell, IA) — Feb 2020

Service & Outreach

Referee for *The Astrophysical Journal* and *The Astrophysical Journal Letters*
Organizer of the *Grinnell Astronomy Group*, an informal astronomy club at Grinnell College — 2018-2020
Instructor for *Observational Astronomy* course in the Grinnell Experiential College Program — Spring 2019
Science Editor for the Grinnell Undergraduate Research Journal — Spring 2019

Press

The Freckled Universe, May 2025 **article** in *Symmetry Magazine* on little red dots
Little Red Dot galaxies are breaking theories of cosmic evolution, June 2024 **article** in *New Scientist*
Undergraduate Researcher Captures Young Galaxy's Coming of Age, June 2022 **press release** via NRAO

Publications

I have led 9 first-author publications, with 494 total citations and an h-index of 7. In total I have authored 64 publications with 2,681 total citations and an h-index of 25.

ADS library

First Authored

9. **Akins, H. B.**, Casey, C. M., Lambrides, E. et al. "COSMOS-Web: The over-abundance and physical nature of 'little red dots'—Implications for early galaxy and SMBH assembly." 2025, *The Astrophysical Journal*, 991, 37, doi: 10.3847/1538-4357/ade984
8. **Akins, H. B.**, Casey, C. M., Champagne, J. B. et al. "JWST+ALMA reveal the ISM kinematics and stellar structure of MAMBO-9, a merging pair of DSFGs in an overdense environment at $z = 5.85$." 2025, submitted to ApJ; arXiv: 2508.06607
7. **Akins, H. B.**, Casey, C. M., Chisholm, J. et al. "Tentative detection of neutral gas in a Little Red Dot at $z = 4.46$." 2025, submitted to ApJ; arXiv: 2503.00998
6. **Akins, H. B.**, Casey, C. M., Berg, D. A. et al. "Strong rest-UV emission lines in a "little red dot" AGN at $z = 7$: Early SMBH growth alongside compact massive star formation?" 2025, *The Astrophysical Journal Letters*, 980, L29, doi: 10.3847/2041-8213/adab76
5. **Akins, H. B.**, Casey, C. M., et al. "Two massive, compact, and dust-obscured candidate $z \simeq 8$ galaxies discovered by *JWST*." 2023, *The Astrophysical Journal*, 956, 61, doi: 10.3847/1538-4357/acef21
4. **Akins, H. B.**, Fujimoto, S., Finlator, K. et al. "ALMA reveals extended cool gas and hot ionized outflows around a typical star-forming galaxy at $z = 7.13$." 2022, *The Astrophysical Journal*, 934, 64, doi: 10.3847/1538-4357/ac795b
3. **Akins, H. B.**, Narayanan, D., Whitaker, K. E. et al. "Quenching and the UVJ diagram in the SIMBA cosmological simulations." 2022, *The Astrophysical Journal*, 929, 94, doi: 10.3847/1538-4357/ac5d3a
2. **Akins, H. B.**, Christensen, C. R., Brooks, A. M. et al. "Quenching timescales of dwarf satellites around Milky Way-mass hosts." 2021, *The Astrophysical Journal*, 909, 139, doi: 10.3847/1538-4357/abe2ab
1. **Akins, H. B.** & Smith, D. A. "Imaging planets from imaginary worlds." 2018, *The Physics Teacher*, 56 (7), 486–487. doi: 10.1119/1.5055339

Second Authored

7. Tanaka, T. S., **Akins, H. B.**, Harikane, Y., et al. "Discovery of a Little Red Dot candidate at $z \gtrsim 10$ in COSMOS-Web based on MIRI-NIRCam selection." 2025, submitted to ApJ; arXiv: 2508.00057
6. Shuntov, M., **Akins, H. B.**, Pacquereau, L., et al. "COSMOS2025: The COSMOS-Web galaxy catalog of photometry, morphology, redshifts, and physical parameters from JWST, HST, and ground-based imaging." 2025, submitted to A&A; arXiv: 2506.03243
5. Casey, C. M., **Akins, H. B.**, Finkelstein, S. L., et al. "An upper limit of 10^6 $M_\odot$ in dust from ALMA observations in 60 Little Red Dots." 2025, (submitted to ApJ; arXiv: 2505.18873)
4. Casey, C. M., **Akins, H. B.**, Kokorev, V., et al. "Dust in Little Red Dots." 2024, *The Astrophysical Journal Letters*, 975, L4, doi: 10.3847/2041-8213/ad7ba7
3. Franco, M., **Akins, H. B.**, Casey, C. M., et al. "Unveiling the distant Universe: Characterizing $z \geq 9$ galaxies in the first epoch of COSMOS-Web." 2024, *The Astrophysical Journal*, 973, 23, doi: 10.3847/1538-4357/ad5e6a
2. Casey, C. M., **Akins, H. B.**, Shuntov, M., et al. "COSMOS-Web: Intrinsically Luminous $z \gtrsim 10$ Galaxy Candidates Test Early Stellar Mass Assembly." 2024, *The Astrophysical Journal*, 965, 98, doi: 10.3847/1538-4357/ad2075

1. Smith, D. A. & **Akins, H. B.** "Automated data reduction at a small college observatory." 2019, *Journal of the American Association of Variable Star Observers* (*JAAVSO*), 47 (2), 248–253.

All Co-Authored

57. Mahler, G., Nightingale, J. W., Hogg, N. B., et al. (including **Akins, H. B.**) "The COSMOS-Web Lens Survey (COWLS) II: Depth, resolution, and NIR coverage from JWST reveals 17 spectacular lenses." 2025, *Monthly Notices of the Royal Astronomical Society: Letters*, 544, L8, doi: 10.1093/mnrasl/slaf088
56. Vijarnwannaluk, B., Gao, Z.-K., Wang, W.-H., et al. (including **Akins, H. B.**) "The Stellar Morphology & Size of X-ray-selected Active Galactic Nuclei Host Galaxies Revealed by JWST." 2025, ApJ in press, arXiv: 2510.13719
55. Meyer, R. A., Wang, F., Kakiichi, K., et al. (including **Akins, H. B.**) "JWST COSMOS-3D: Spectroscopic Census and Luminosity Function of [O III] Emitters at $6.75 < z < 9.05$ in COSMOS." 2025, submitted to A&A, arXiv: 2510.11373
54. McKinney, J., Eleazer, M., Pope, A., et al. (including **Akins, H. B.**) "A JWST MIRI LRS Survey of 37 Massive Star-Forming Galaxies and AGN at Cosmic Noon – Overview and First Results." 2025, submitted to ApJ; arXiv: 2510.07365
53. Nightingale, J. W., Mahler, G., McCleary, J., et al. (including **Akins, H. B.**) "The COSMOS-Web Lens Survey (COWLS) I: discovery of >100 high redshift strong lenses in contiguous JWST imaging." 2025, *Monthly Notices of the Royal Astronomical Society*, 543, 203, doi: 10.1093/mnras/staf1253
52. Harish, S., Kartaltepe, J. S., Liu, D., et al. (including **Akins, H. B.**) "COSMOS-Web: MIRI Data Reduction and Number Counts at 7.7 μm Using JWST." 2025, *The Astrophysical Journal* 992, 45, doi: 10.3847/1538-4357/adfa1e
51. Leung, G. C. K., Finkelstein, S. L., Pérez-González, P. G., et al. (including **Akins, H. B.**) "Exploring the Nature of Little Red Dots: Constraints on Active Galactic Nucleus and Stellar Contributions from PRIMER MIRI Imaging." 2025, *The Astrophysical Journal*, 992, 26, doi: 10.3847/1538-4357/adfcce
50. Lambrides, E., Larson, R., Hutchison, T., et al. (including **Akins, H. B.**) "Discovery of Multiply Ionized Iron Emission Powered by an Active Galactic Nucleus in a $z \sim 7$ Little Red Dot." 2025, submitted, arXiv: 2509.09607
49. Delvecchio, I., Daddi, E., Magnelli, B., et al. (including **Akins, H. B.**) "AGN-heated dust revealed in 'Little Red Dots'," 2025, submitted to A&A, arXiv: 2509.07100
48. Karmen, M., Gezari, S., Lambrides, E., et al. (including **Akins, H. B.**) "JWST Discovery of a High-redshift Tidal Disruption Event Candidate in COSMOS-Web." 2025, *The Astrophysical Journal*, 990, 149, doi: 10.3847/1538-4357/adf216
47. Knudsen, K. K., Watson, D., Richard, J., et al. (including **Akins, H. B.**) "Early galaxy evolution: The complex interstellar medium distribution of the $z \sim 7$ galaxy A1689-zD1." 2025, *Astronomy & Astrophysics*, 701, A85, doi: 10.1051/0004-6361/202453229
46. Malkan, M. A., Mehta, V., Acharyya, A., et al. (including **Akins, H. B.**) "Parallel Application of Slitless Spectroscopy to Analyze Galaxy Evolution (PASSAGE): Survey Overview." 2025, submitted, arXiv: 2509.00596
45. Franco, M., Casey, C. M., **Akins, H. B.**, et al. "Physical properties of galaxies and the UV Luminosity Function from $z \sim 6$ to $z \sim 14$ in COSMOS-Web" 2025, submitted to ApJ; arXiv: 2508.04791
44. Taylor, A. J., Kokorev, V., Kocevski, D. D., **Akins, H. B.**, et al. "CAPERS-LRD-z9: A Gas-enshrouded Little Red Dot Hosting a Broad-line Active Galactic Nucleus at z = 9.288." 2025, *The Astrophysical Journal Letters*, 989, L7, doi: 10.3847/2041-8213/ade789
43. Donnan, C. T., Dicksinson, M., Taylor, A. J., et al. (including **Akins, H. B.**) "Very bright, very blue, and very red: JWST CAPERS analysis of highly luminous galaxies with extreme UV slopes at $z = 10$." 2025, ApJ in press; arXiv: 2507.10518
42. Kokorev, V., Chávez Ortiz, Ó. A., Taylor, A. J., et al. (including **Akins, H. B.**) "CAPERS Observations of Two UV-bright Galaxies at $z > 10$. More Evidence for Bursting Star Formation in the Early Universe." 2025, *The Astrophysical Journal Letters*, 988, L10, doi: 10.3847/2041-8213/ade8f5

41. Roper, W. J., Lovell, C., Vijayan, A., et al. (including **Akins, H. B.**) "Synthesizer: Synthetic Observables For Modern Astronomy." 2025, submitted to JOSS; arXiv: 2506.15811
40. Mercier, W., Kalita, B. S., Shuntov, M., et al. (including **Akins, H. B.**) "Clumpiness of galaxies revealed in the near-infrared with COSMOS-Web." 2025, submitted to A&A, arXiv: 2506.13881
39. Abedini, F., Gozaliasl, G., Zonoozi, A. H., et al. (including **Akins, H. B.**) "COSMOS-Web: Estimating Physical Parameters of Galaxies Using Self-Organizing Maps." 2025, submitted, arXiv: 2506.04138
38. Gozaliasl, G., Yang, L., Kartaltepe, J., et al. (including **Akins, H. B.**) "COSMOS Web: Morphological quenching and size-mass evolution of brightest group galaxies from $z = 3.7$." 2025, submitted, arXiv: 2506.04031
37. Franco, M., Casey, C. M., Koekemoer, A. M., et al. (including **Akins, H. B.**) "COSMOS-Web: Comprehensive Data Reduction for Wide-Area JWST NIRCam Imaging." 2025, submitted to ApJ; arXiv: 2506.03256
36. Kocevski, D. D., Finkelstein, S. L., Barro, G. et al. (including **Akins, H. B.**) "The Rise of Faint, Red AGN at $z > 4$: A Sample of Little Red Dots in the JWST Extragalactic Legacy Fields." 2025, *The Astrophysical Journal*, 986, 126, doi: 10.3847/1538-4357/adbc7d
35. Wang, B., Hennawi, J. F., Cai, Z., et al. (including **Akins, H. B.**) "Luminous mid-IR-selected type 2 quasars at cosmic noon in SDSS Stripe 82 – I. Selection, composite photometry, and spectral energy distributions." 2025, *Monthly Notices of the Royal Astronomical Society*, 539, 1562, doi: 10.1093/mnras/staf574
34. McKinney, J., Cooper, O. R., Casey, C. M., et al. (including **Akins, H. B.**) "Modeling Galaxies in the Early Universe with Supernova Dust Attenuation." 2025, *The Astrophysical Journal Letters*, 985, L21, doi: 10.3847/2041-8213/add15d
33. Toni, G., Gozaliasl, G., Maturi, M., et al. (including **Akins, H. B.**) "The COSMOS-Web deep galaxy group catalog up to $z = 3.7$." 2025, *Astronomy & Astrophysics*, 697, A197, doi: 10.1051/0004-6361/202553759
32. Gentile, F., Talia, M., Enia, A., et al. (including **Akins, H. B.**) "Going deeper into the dark with COSMOS-Web: JWST unveils the total contribution of radio-selected NIR-faint galaxies to the cosmic star formation rate density." 2025, *Astronomy & Astrophysics*, 697, A46, doi: 10.1051/0004-6361/202452461
31. Yang, L., Kartaltepe, J. S., Franco, M., et al. (including **Akins, H. B.**) "COSMOS-Web: Unraveling the Evolution of Galaxy Size and Related Properties at $2 < z < 10$." 2025, submitted to ApJ; arXiv: 2504.07185
30. Shuntov, M., Jin, S., Mercier, W., et al. (including **Akins, H. B.**) "The COSMOS-Web ring: Spectroscopic confirmation of the background source at z = 5.1." 2025, *Astronomy & Astrophysics*, 696, L14, doi: 10.1051/0004-6361/202554273
29. Arango-Toro, R. C., Ilbert, O., Ciesla, L., et al. (including **Akins, H. B.**) "A history of galaxy migrations over the Stellar Mass-SFR plane from the COSMOS-Web survey." 2025, *Astronomy & Astrophysics*, 696, A159, doi: 10.1051/0004-6361/202452519
28. Hogg, N. B., Nightingale, J. W., He, Q., et al. (including **Akins, H. B.**) "The COSMOS-Web Lens Survey (COWLS) III: forecasts versus data." 2025, submitted to MNRAS; arXiv: 2503.08785
27. Meléndez, A., Cooper, O. R., **Akins, H. B.**, et al. "Candidate C III] Emission in a Massive, Compact, $z \sim 4.5$ Galaxy." *Research Notes of the AAS*, 9, 51, doi: 10.3847/2515-5172/adbc6f
26. Pierel, J. D. R., Coulter, D. A., Siebert, M. R., **Akins, H. B.**, et al. "Testing for Intrinsic Type Ia Supernova Luminosity Evolution at $z > 2$ with JWST." 2025, *The Astrophysical Journal Letters*, 981, L9, doi: 10.3847/2041-8213/adb1d9
25. Shuntov, M., Ilbert, O., Toft, S., et al. (including **Akins, H. B.**) "COSMOS-Web: stellar mass assembly in relation to dark matter halos across $0.2 < z < 12$ of cosmic history" 2025, *Astronomy & Astrophysics*, 695, A20, doi: 10.1051/0004-6361/202452570
24. Huertas-Company, M., Shuntov, M., Dong, Y., et al. (including **Akins, H. B.**) "COSMOS-Web: The emergence of the Hubble Sequence." 2025, submitted to A&A; arXiv: 2502.03532
23. Faisst, A. L., Brinch, M., Casey, C. M., et al. (including **Akins, H. B.**) "COSMOS-Web: The Role of

Galaxy Interactions and Disk Instabilities in Producing Starbursts at $z < 4$." 2025, *The Astrophysical Journal*, 980, 204, doi: 10.3847/1538-4357/ada566

22. McKinney, J., Casey, C. M., Long, A. S., et al. (including **Akins, H. B.**) "SCUBADive. I. JWST+ALMA Analysis of 289 Submillimeter Galaxies in COSMOS-Web" 2025, *The Astrophysical Journal*, 979, 229, doi: 10.3847/1538-4357/ada357
21. Paquereau, L., Laigle, C., McCracken, H. J., et al. (including **Akins, H. B.**) "Tracing the galaxy-halo connection with galaxy clustering in COSMOS-Web from $z = 0.1$ to $z12$." 2025, submitted to A&A; arXiv: 2501.11674
20. Zavala, J. A., Castellano, M., **Akins, H. B.** et al. "Detection of ionized hydrogen and oxygen from a very luminous and young galaxy 13.4 billion years ago" 2025, *Nature Astronomy*, 9, 155, doi: 10.1038/s41550-024-02397-3
19. Tanaka, T. S., Silverman, J. D., Shimasaku, K., et al. (including **Akins, H. B.**) "Discovery of dual 'little red dots' indicates excess clustering on kiloparsec scales." 2024, submitted to PASJ; arXiv: 2412.14246
18. Tanaka, T. S., Silverman, J. D., Nakazato, Y., et al. (including **Akins, H. B.**) "Crimson Behemoth: a Massive Clumpy Structure Hosting a Dusty AGN at $z = 4.91$" *Publications of the Astronomical Society of Japan*, 76, 6, doi: 10.1093/pasj/psae091
17. Zavala, J. A., Bakx, T., Mitsuhashi, I., et al. (including **Akins, H. B.**) "ALMA Detection of [O III] 88 μm at $z = 12.33$: Exploring the Nature and Evolution of GHZ2 as a Massive Compact Stellar System." 2024, *The Astrophysical Journal Letters*, 977, L9, doi: 10.3847/2041-8213/ad8f38
16. Kokorev, V., Chisholm, J., Endsley, R., et al. (including **Akins, H. B.**) "Silencing the Giant: Evidence of AGN Feedback and Quenching in a Little Red Dot at $z = 4.13$" 2024, *The Astrophysical Journal*, 975, 178, doi: 10.3847/1538-4357/ad7d03
15. Lambrides, E., Garofali, K., Larson R., et al. (including **Akins, H. B.**) "The Case for Super-Eddington Accretion: Connecting Weak X-ray and UV Line Emission in JWST Broad-Line AGN During the First Gyr of Cosmic Time." 2024, submitted to *Nature Astronomy*; arXiv: 2409.13047
14. Gentile, F., Casey, C. M, **Akins, H. B.** et al. "Not-so-little Red Dots: Two Massive and Dusty Starbursts at $z \sim 5$–7 Pushing the Limits of Star Formation Discovered by JWST in the COSMOS-Web Survey." 2024, *The Astrophysical Journal Letters*, 973, L2, doi: 10.3847/2041-8213/ad738a
13. Long, A. S., Casey, C. M., McKinney J., et al. (including **Akins, H. B.**) "The Extended Mapping Obscuration to Reionization with ALMA (Ex-MORA) Survey: 5σ Source Catalog and Redshift Distribution." 2024, submitted to ApJ; arXiv: 2408.14546
12. Cooper, O. R., Casey, C. M, **Akins, H. B.** et al. "The Web Epoch of Reionization Lyman-α Survey (WERLS) I. MOSFIRE Spectroscopy of $z \sim$7–8 Lyman-α Emitters." 2024, *The Astrophysical Journal*, 970, 50, doi: 10.3847/1538-4357/ad4c6c)
11. Finkelstein, S. L., Leung, G. C. K., Bagley, M. B., et al. (including **Akins, H. B.**) "The Complete CEERS Early Universe Galaxy Sample: A Surprisingly Slow Evolution of the Space Density of Bright Galaxies at $z \sim$8.5–14.5" 2024, *The Astrophysical Journal Letters*, 969, L2, doi: 10.3847/2041-8213/ad4495
10. Barro, G., Pérez-González, P. G., Kocevski, D. D., et al. (including **Akins, H. B.**) "Extremely Red Galaxies at $z = 5$–9 with MIRI and NIRSpec: Dusty Galaxies or Obscured Active Galactic Nuclei?" 2024, *The Astrophysical Journal*, 963, 128, doi: 10.3847/1538-4357/ad167e
9. Christensen, C. R., Brooks, A. m., Munshi, F. et al. (including **Akins, H. B.**) "Environment Matters: Predicted Differences in the Stellar Mass–Halo Mass Relation and History of Star Formation for Dwarf Galaxies" 2024, *The Astrophysical Journal*, 961, 236, doi: 10.3847/1538-4357/ad0c5a
8. Lambrides, E., Chiaberge, M., Long, A. et al. (including **Akins, H. B.**) "Uncovering a Massive $z \sim 7.7$ Galaxy Hosting a Heavily Obscured Radio-Loud Active Galactic Nucleus Candidate in COSMOS-Web" 2024, *The Astrophysical Journal Letters*, 961, L25, doi: 10.3847/2041-8213/ad11ee
7. McKinney, J., Manning, S. M., Cooper, O. R. et al. (including **Akins, H. B.**) "A Near-Infrared Faint, Far-Infrared-Luminous Dusty Galaxy at $z \sim 5$ in COSMOS-Web." 2023, *The Astrophysical Journal*, 956, 72, doi: 10.3847/1538-4357/acf614

6. Fujimoto, S., Finkelstein, S. L., Burgarella, D. et al. (including **Akins, H. B.**) "ALMA FIR View of Ultra High-redshift Galaxy Candidates at $z \sim 11$–17: Blue Monsters or Low-z Red Interlopers?" 2023, *The Astrophysical Journal*, 955, 130, doi: 10.3847/1538-4357/aceb67
5. Casey, C. M., Kartaltepe, J. S., Drakos, N. E. et al. (including **Akins, H. B.**) "COSMOS-Web: An Overview of the *JWST* Cosmic Origins Survey." 2023, *The Astrophysical Journal*, 954, 31, doi: 10.3847/1538-4357/acc2bc
4. Killi, M., Watson, D., Fujimoto, S. et al. (including **Akins, H. B.**) "A solar metallicity galaxy at $z > 7$? Possible detection of the [N II] 122 μm and [O III] 52 μm lines." 2023, *Monthly Notices of the Royal Astronomical Society*, 521, 2, 2526, doi: 10.1093/mnras/stad687
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