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website: tx.ag/taylor

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RESEARCH INTERESTS

Reionization, cosmic dawn, near-infrared spectroscopy, high-z spectroscopic tracers, galaxy formation & evolution, Lyman- α emitters, intergalactic medium, photoionization modeling, high-z analogs, spatially-resolved physical conditions (star formation, ionization, metallicity), gravitational lensing

EDUCATION

Ph.D. in Astronomy

August 2022

M.S. in Astronomy

May 2019

Texas A&M University (TAMU)

Department of Physics and Astronomy

College Station, TX 77843-4242

Advisor: Dr. Casey Papovich

B.S. in Physics, *Minor in Mathematics*

May 2016

Southwestern University

1001 E. University Ave.

Georgetown, TX 78626

Advisor: Dr. Mark Bottorff

APPOINTMENTS

NASA Postdoctoral Fellow (WITH DR. J. RIGBY)

NASA Goddard, 2022 – present

Graduate Student (UNDER DR. C. PAPOVICH)

Texas A&M, 2016 – 2022

Keck Visiting Scholar (UNDER DR. J. WALAWENDER)

Keck Observatory, Fall 2019

Research Assistant (UNDER DR. M. BOTTORFF)

Southwestern, 2014 – 2016

King Creativity Scholar (UNDER O.L. FELLOWS)

Southwestern, 2014 – 2015

King Creativity Scholar (UNDER DR. S. ALEXANDER)

Southwestern, 2013 – 2014

Research Assistant (UNDER DR. S. ALEXANDER)

Southwestern, Summer 2013

HONORS & AWARDS

SOME FUNDED

NASA Postdoctoral Program Fellowship

2022 – 2025

NSF Graduate Research Fellowship

2018 – 2022

Texas A&M Prestigious Fellowship Scholar

2019 – 2022

Dr. Joseph Newton Graduate Service Award

Fall 2019

W. M. Keck Observatory Visiting Scholar

Fall 2019

Leadership in Equity and Diversity (LEAD) Award

Spring 2018

Texas A&M Graduate Diversity Excellence Fellowship

2016 – 2020

Ruter Scholar Award

2012 – 2016

Distinction Award

2012 – 2016

King Creativity Award

Spring 2014

King Creativity Scholar

2014, 2015

AWARDS & GRANTS

| | | |
|---------|-----------------------------------------------------------------------------------------------------------------------------|-------------|
| FY23-26 | NASA Postdoctoral Program (NPP) Fellowship | \$247K |
| FY21 | NASA-Awarded Keck Principal Investigator Data Award | \$17.2K |
| FY20 | NASA-Awarded Keck Principal Investigator Data Award | \$17.2K |
| FY20 | Dr. Joseph Newton Graduate Service Award | \$1K |
| FY20–22 | Texas A&M University Prestigious Fellowship Scholar | \$1K / yr |
| FY20 | Mitchell Institute EPO: <i>Astronomy on Tap</i> | \$1.2K |
| FY20 | Mitchell Institute EPO: <i>Conferences for Undergraduate Women in Physics</i> | \$30K |
| FY19 | Office of Graduate and Professional Studies Travel Award | \$750 |
| FY19 | Leadership in Equity and Diversity (LEAD) Award | \$500 |
| FY19 | Mitchell Institute EPO: <i>Astronomy on Tap</i> | \$600 |
| FY19–22 | NSF Graduate Research Fellowship | \$138K |
| FY17–22 | Dept. of Physics & Astronomy Diversity Grant <i>for The Society for the Under-represented in Physics & Astronomy</i> | \$1.5K / yr |
| FY17–20 | Graduate Diversity Excellence Fellowship | \$127.7K |
| FY13–16 | Ruter Scholar Award | \$94K |
| FY13–16 | Distinction Award | \$40K |
| FY14 | King Creativity Award | \$1.5K |
| FY14,15 | King Creativity Scholar | \$2K x 2 |

OBSERVING PROGRAMS / GENERAL EXPERIENCE

| | | |
|--------------------|-----------------------------------------------------------------------------------|-------------------|
| PROGRAMS | W. M. Keck Observatory , HI – Keck I, 10-meter telescope | |
| | — MOSFIRE, NIR Spectrograph | 19 nights |
| | ◦ primary/secondary science lead (14 n), engineering time (3 n) | |
| | — LRIS, Optical Spectrograph | 2 nights |
| | Cerro Tololo Inter-American Observatory , Chile – Blanco 4-meter telescope | |
| | — DECam, Wide-Field CCD Imager | 8 nights |
| | ◦ Began Dark Energy Survey Year 6 Observations (5 n) | |
| | Madrona Peak Observatory , TX – Robotic 0.6-meter telescope | |
| | — Silicon Digital CCD, primary science lead | 10+ nights |
| | Fountainwood Observatory , TX – 0.4-meter telescope | |
| | — Silicon Digital CCD, primary science co-lead | 40+ nights |
| GENERAL EXPERIENCE | W. M. Keck Observatory , HI – Keck I & II, 10-meter telescopes | |
| | — Various Instruments | 3.5 nights |
| | ◦ NIRSpec, NIR Spectrograph (0.5 n) | |
| | ◦ MOSFIRE, NIR Spectrograph, shadowed E. Manjavacas (1 n) | |
| | ◦ LRIS, Optical Spectrometer, shadowed J. Walawender (1 n) | |
| | ◦ KCWI, Optical Integral Field Spectrograph, shadowed L. Rizzi (1 n) | |
| | McDonald Observatory , TX – 0.8-meter telescope | |
| | — Silicon Digital CCD , mentored TAMU REU students | 11 nights |
| | ◦ as only graduate student (6 n), supporting fellow graduate student (5 n) | |
| | Whipple Observatory , AZ – 1.5-meter telescope | |
| | — FAST, Optical Spectrograph , assisted L. Macri | 3 nights |

PUBLICATIONS ([LINK TO MY ADS](#))

summary — refereed: 44, submitted: 13, lead author: 3, citations: 2,835, h-index: 32 (21-dec-2023)

REFEREED PUBLICATIONS

First Author

TEMPLATES: A Robust Outlier Rejection Method for JWST/NIRSpec Integral Field Spectroscopy // [arXiv:2312.12518](#)

T. Hutchison, B. Welch, J. Rigby, G. Olivier, J. Birkin, K. Phadke, G. Khullar, B. Rauscher, K. Sharon, M. Aravena, M. Bayliss, L. Elicker, S. Kim, M. Solimano, J. Vieira, D. Vizgan

Near-Infrared Spectroscopy of Galaxies During Reionization: Measuring C III] in a Galaxy at $z = 7.5$ // [arXiv:1905.08812](#) (**54 citations**)

The Astrophysical Journal, Volume 879, Issue 2, article id. 70, 16 pg. (2019)

T. Hutchison, C. Papovich, S. Finkelstein, M. Dickinson, I. Jung, A. Zitrin, R. Ellis, S. Malhotra, J. Rhoads, G. Roberts-Borsani, M. Song, V. Tilvi

2nd–4th Co-Author

JWST Early Release Science Program TEMPLATES: Targeting Extremely Magnified Panchromatic Lensed Arcs and their Extended Star formation // [arXiv:2312.10465](#)

J. Rigby, J. Vieira, K. Phadke, **T. Hutchison**, B. Welch, J. Cathey, J. Spilker, A. Gonzalez, P. Adhikari, M. Aravena, and 26 colleagues

Spectral Templates Optimal for Selecting Galaxies at $z > 8$ with JWST [arXiv:2211.10035](#)

The Astrophysical Journal, Volume 958, Issue 2, article id. 141, 12 pg. (2023) (**44 citations**)

R. Larson, **T. Hutchison**, M. Bagley, S. Finkelstein, A. Yung, R. Somerville, M. Hirschmann, G. Brammer, B. Holwerda, C. Papovich, and 2 colleagues

JWST's TEMPLATES for Star Formation: The First Resolved Gas-Phase Metallicity Maps of Dust-Obscured Star-Forming Galaxies at $z \sim 4$ // [arXiv:2307.10412](#) (**3 citations**)

The Astrophysical Journal, Volume 958, Issue 1, article id. 64, 10 pg. (2023)

J. Birkin, T. Hutchison, B. Welch, J. Spilker, M. Aravena, M. Bayliss, J. Cathey, S. Chapman, A. Gonzalez, G. Gururajan, and 16 colleagues

A CEERS Discovery of an Accreting Supermassive Black Hole 570 Myr after the Big Bang: Identifying a Progenitor of Massive $z > 6$ Quasars // [arXiv:2303.08918](#) (**101 citations**)

The Astrophysical Journal, Volume 953, Issue 2, article id. L29, 26 pg. (2023)

R. Larson, S. Finkelstein, D. Kocevski, **T. Hutchison**, J. Trump, P. Haro, V. Bromm, N. Cleri, M. Dickinson, S. Fujimoto, and 42 colleagues

Using [Ne V]/[Ne III] to Understand the Nature of Extreme-ionization Galaxies // [arXiv:2301.07745](#)

The Astrophysical Journal, Volume 953, Issue 1, article id. 10, 13 pg. (2023) (**15 citations**)

N. Cleri, G. Olivier, **T. Hutchison**, C. Papovich, J. Trump, R. Amorn, B. Backhaus, D. Berg, V. Fernandez, S. Finkelstein, and 7 colleagues

New $z > 7$ Lyman-alpha Emitters in EGS: Evidence of an Extended Ionized Structure at $z \sim 7.7$ // [arXiv:2212.09850](#) (**16 citations**)

I. Jung, S. Finkelstein, R. Larson, **T. Hutchison**, A. Straughn, M. Bagley, M. Castellano, N. Cleri, M. Cooper, M. Dickinson, and 14 colleagues

Searching for Islands of Reionization: A Potential Ionized Bubble Powered by a Spectroscopic Overdensity at $z = 8.7$ // [arXiv:2203.08461](#) (**39 citations**)

The Astrophysical Journal, Volume 930, Issue 2, article id. 104, 19 pg. (2022)

R. Larson, S. Finkelstein, **T. Hutchison**, C. Papovich, M. Bagley, M. Dickinson, S. Rojas-Ruiz, H. Ferguson, I. Jung, M. Giavalisco, A. Grazian, L. Pentericci, S. Tacchella

Texas Spectroscopic Search for Ly α Emission at the End of Reionization III. The Ly α Equivalent-width Distribution and Ionized Structures at $z > 7$ // [arXiv:2009.10092](#) (**98 citations**)

The Astrophysical Journal, Volume 904, Issue 2, article id. 144, 27 pg. (2020)

I. Jung, S. Finkelstein, M. Dickinson, **T. Hutchison**, R. Larson, C. Papovich, L. Pentericci, A. Straughn, Y. Guo, S. Malhotra, J. Rhoads, M. Song, V. Tilvi, I. Wold

Texas Spectroscopic Search for Ly α Emission at the End of Reionization II. The Deepest Near-Infrared Spectroscopic Observation at $z > 7$ // [arXiv:1901.05967](#) (**21 citations**)

The Astrophysical Journal, Volume 877, Issue 2, article id. 146, 9 pg. (2019)

I. Jung, S. Finkelstein, M. Dickinson, **T. Hutchison**, R. Larson, C. Papovich, L. Pentericci, M. Song, H. Ferguson, Y. Guo, S. Malhotra, B. Mobasher, J. Rhoads, V. Tilvi, I. Wold

Co-Author

The Next Generation Deep Extragalactic Exploratory Public Near-Infrared Slitless Survey Epoch 1 (NGDEEP-NISS1): Extra-Galactic Star-formation and Active Galactic Nuclei at $0.5 < z < 3.6$ // [arXiv:2312.09972](#)

N. Pirzkal, B. Rothberg, C. Papovich, L. Shen, G. C. K. Leung, M. Bagley, S. Finkelstein, J. Lotz, A. Koekemoer, N. Hathi, and 42 colleagues including **T. Hutchison**

Evidence for a Shallow Evolution in the Volume Densities of Massive Galaxies at $z = 4$ to 8 from CEERS // [arXiv:2311.14804](#)

K. Chworowsky, S. Finkelstein, M. Boylan-Kolchin, E. McGrath, K. Iyer, C. Papovich, M. Dickinson, A. Taylor, L. Y. A. Yung, and 30 colleagues including **T. Hutchison**

Confirmation and refutation of very luminous galaxies in the early universe // [arXiv:2303.15431](#)

Nature, Volume 622, Issue 7984, article id. 707, 5 pg. (2023)

P. Arrabal Haro, M. Dickinson, S. Finkelstein, J. Kartaltepe, C. T. Donnan, D. Burgarella, A. Carnall, F. Cullen, J. Dunlop, V. Fernandez, and 26 colleagues including **T. Hutchison**

ALMA FIR View of Ultra-high-redshift Galaxy Candidates at $z \sim 11 - 17$: Blue Monsters or Low- z Red Interlopers? // [arXiv:2211.03896](#)

The Astrophysical Journal, Volume 955, Issue 2, article id. 130, 21 pg. (2023)

S. Fujimoto, S. Finkelstein, D. Burgarella, C. Carilli, V. Buat, C. Casey, L. Ciesla, S. Tacchella, J. Zavala, G. Brammer, and 43 colleagues including **T. Hutchison**

High-redshift Galaxy Candidates at $z = 9-10$ as Revealed by JWST Observations of WHL0137-08 // [arXiv:2210.01777](#)

The Astrophysical Journal, Volume 955, Issue 1, article id. 13, 15 pg. (2023)

L. Bradley, D. Coe, G. Brammer, L. Furtak, R. Larson, V. Kokorev, F. Andrade-Santos, R. Bhatawdekar, M. Brada, T. Broadhurst, and 18 colleagues including **T. Hutchison**

The Web Epoch of Reionization Lyman- α Survey (WERLS) I. MOSFIRE Spectroscopy of $z \sim 7 - 8$ Lyman- α Emitters // [arXiv:2309.06656](#)

O. Cooper, C. Casey, H. Akins, J. Magee, A. Melendez, M. Fong, S. Urbano Stawinski, J. Kartaltepe, S. Finkelstein, R. Larson, and 26 colleagues including **T. Hutchison**

NGDEEP Epoch 1: The Faint-End of the Luminosity Function at $z \sim 9-12$ from Ultra-Deep JWST Imaging // [arXiv:2306.06244](#)

The Astrophysical Journal, Volume 954, Issue 2, article id. L46, 17 pg. (2023)

G. Leung, M. Bagley, S. Finkelstein, H. Ferguson, A. Koekemoer, P. Perez-Gonzalez, A. Morales, D. Kocevski, G. Yang, R. Somerville, and 19 colleagues including **T. Hutchison**

Hidden Little Monsters: Spectroscopic Identification of Low-mass, Broad-line AGNs at $z > 5$ with CEERS // [arXiv:2302.00012](#)

The Astrophysical Journal, Volume 954, Issue 1, article id. L4, 17 pg. (2023)

D. Kocevski, M. Onoue, K. Inayoshi, J. Trump, P. Haro, A. Grazian, M. Dickinson, S. Finkelstein, J. Kartaltepe, M. Hirschmann, and 31 colleagues including **T. Hutchison**

Uncovering a Massive $z \sim 7.65$ Galaxy Hosting a Heavily Obscured Radio-Loud QSO Candidate in COSMOS-Web // [arXiv:2308.12823](#)

E. Lambrides, M. Chiaberge, A. Long, D. Liu, H. Akins, A. Ptak, I. Taufik Andika, A. Capetti, C. Casey, J. Champagne, and 35 colleagues including **T. Hutchison**

Spectroscopic Confirmation of CEERS NIRCам-selected Galaxies at $z \sim 8-10$ // [arXiv:2304.05378](#)

The Astrophysical Journal, Volume 951, Issue 1, article id. L22, 19 pg. (2023)

P. Arrabal Haro, M. Dickinson, S. Finkelstein, S. Fujimoto, V. Fernandez, J. Kartaltepe, I. Jung, J. Cole, D. Burgarella, K. Chworowsky, and 38 colleagues including **T. Hutchison**

JWST's PEARLS: TN J1338-1942 - I. Extreme jet-triggered star formation in a $z = 4.11$ luminous radio galaxy // [arXiv:2212.09769](#)

Monthly Notices of the Royal Astronomical Society, Volume 522, Issue 3, article id. 4548, 17 pg. (2023)

K. J. Duncan, R. Windhorst, A. Koekemoer, H. Rttgering, S. H. Cohen, R. Jansen, J. Summers, S. Tompkins, **T. Hutchison**, C. J. Conselice, and 18 colleagues

The FENIKS Survey: Spectroscopic Confirmation of Massive Quiescent Galaxies at $z \sim 3-5$ // [arXiv:2307.09590](#)

J. Antwi-Danso, C. Papovich, J. Esdaile, T. Nanayakkara, K. Glazebrook, **T. Hutchison**, K. Whitaker, Z. Marsan, R. Diaz, D. Marchesini, and 6 colleagues

TEMPLATES: Characterization of a Merger in the Dusty Lensing SPT0418-47 System // [arXiv:2307.10115](#)

J. Cathey, A. Gonzalez, S. Lower, K. Phadke, J. Spilker, M. Aravena, J. Birkin, S. Birrer, S. Chapman, H. Dahle, and 15 colleagues including **T. Hutchison**

JWST Reveals a Possible $z \sim 11$ Galaxy Merger in Triply Lensed MACS0647-JD // [arXiv:2210.14123](#)

The Astrophysical Journal, Volume 949, Issue 2, article id. L34, 21 pg. (2023)

T. Y.-Y. Hsiao, D. Coe, Abdurro'uf, L. Whitler, I. Jung, G. Khullar, A. Meena, P. Dayal, K. Barrow, L. Santos-Olmsted, and 56 colleagues including **T. Hutchison**

CEERS Key Paper. V. Galaxies at $4 < z < 9$ Are Bluer than They Appear – Characterizing Galaxy Stellar Populations from Rest-frame 1 μ m Imaging // [arXiv:2301.00027](#)

The Astrophysical Journal, Volume 949, Issue 2, article id. L18, 23 pg. (2023)

C. Papovich, J. Cole, G. Yang, S. Finkelstein, G. Barro, V. Buat, D. Burgarella, P. Prez-Gonzalez, P. Santini, L.-M. Seill, and 39 colleagues including **T. Hutchison**

CEERS Key Paper. VI. JWST/MIRI Uncovers a Large Population of Obscured AGN at High Redshifts // [arXiv:2303.11736](#)

The Astrophysical Journal, Volume 950, Issue 1, article id. L5, 11 pg. (2023)

G. Yang, K. Caputi, C. Papovich, P. Arrabal Haro, M. Bagley, P. Behroozi, E. Bell, L. Bisigello, V. Buat, D. Burgarella, and 28 colleagues including **T. Hutchison**

CEERS Spectroscopic Confirmation of NIRCcam-Selected $z > 8$ Galaxy Candidates with JWST/NIRSpec: Initial Characterization of their Properties // [arXiv:2301.09482](#)

The Astrophysical Journal, Volume 949, Issue 2, article id. L25, 18 pg. (2023)

S. Fujimoto, P. Arrabal Haro, M. Dickinson, S. Finkelstein, J. Kartaltepe, R. Larson, D. Burgarella, M. Bagley, P. Behroozi, and 32 colleagues including **T. Hutchison**

Spatial variations in aromatic hydrocarbon emission in a dust-rich galaxy // [arXiv:2306.03152](#)

Nature, Volume 618, Issue 7966, article id. 708, 4 pg. (2023)

J. Spilker, K. Phadke, M. Aravena, M. Archipley, M. Bayliss, J. E. Birkin, M. Béthermin, J. Burgoyne, J. Cathey, S. Chapman, and 29 colleagues including **T. Hutchison**

Efficient NIRCcam Selection of Quiescent Galaxies at $3 < z < 6$ in CEERS // [arXiv:2305.04662](#)

A. Long, J. Antwi-Danso, E. Lambrides, C. Lovell, A. de la Vega, F. Valentino, J. Zavala, C. Casey, S. Wilkins, L. Yung, and 23 colleagues including **T. Hutchison**

CLEAR: High-Ionization [Ne V] $\lambda 3426$ Emission-line Galaxies at $1.4 < z < 2.3$ // [arXiv:2209.06247](#)

The Astrophysical Journal, Volume 948, Issue 2, article id. 112, 15 pg. (2023)

N. Cleri, G. Yang, C. Papovich, J. Trump, B. Backhaus, V. Estrada-Carpenter, S. Finkelstein, M. Giavalisco, **T. Hutchison**, Z. Ji, and 6 colleagues

JWST NIRSpec spectroscopy of the triply-lensed $z = 10.17$ galaxy MACS0647-JD // [arXiv:2305.03042](#)

T. Hsiao, Abdurro'uf, D. Coe, R. Larson, I. Jung, M. Mingozi, P. Dayal, N. Kumari, V. Kokorev, A. Vikaeus, and 31 colleagues including **T. Hutchison**

CEERS: Diversity of Lyman-Alpha Emitters during the Epoch of Reionization // [arXiv:2304.05385](#)

I. Jung, S. Finkelstein, P. Arrabal Haro, M. Dickinson, H. Ferguson, **T. Hutchison**, J. Kartaltepe, R. Larson, R. Simons, C. Papovich, and 22 colleagues

First Look at $z > 1$ Bars in the Rest-frame Near-infrared with JWST Early CEERS Imaging

The Astrophysical Journal, Volume 945, Issue 1, article id. L10, 13 pg. (2023) // [arXiv:2210.08658](#)

Y. Guo, S. Jogee, S. Finkelstein, Z. Chen, E. Wise, M. Bagley, G. Barro, S. Wuyts, D. Kocevski, J. Kartaltepe, and 38 colleagues including **T. Hutchison**

CEERS Key Paper. II. A First Look at the Resolved Host Properties of AGN at $3 < z < 5$ with JWST // [arXiv:2208.14480](#)

The Astrophysical Journal, Volume 946, Issue 1, article id. L14, 14 pg. (2023)

D. Kocevski, G. Barro, E. J. McGrath, S. Finkelstein, M. Bagley, H. Ferguson, S. Jogee, G. Yang, M. Dickinson, N. Hathi, and 50 colleagues including **T. Hutchison**

CEERS Epoch 1 NIRCcam Imaging: Reduction Methods and Simulations Enabling Early JWST Science Results // [arXiv:2211.02495](#)

The Astrophysical Journal, Volume 946, Issue 1, article id. L12, 23 pg. (2023)

M. Bagley, S. Finkelstein, A. Koekemoer, H. Ferguson, P. Arrabal Haro, M. Dickinson,

J. Kartaltepe, C. Papovich, P. Prez-Gonzalez, and 28 colleagues including **T. Hutchison**

The Physical Conditions of Emission-Line Galaxies at Cosmic Dawn from JWST/NIRSpec Spectroscopy in the SMACS 0723 Early Release Observations // [arXiv:2207.12388](#)

The Astrophysical Journal, Volume 945, Issue 1, article id. 35, 11 pg. (2023)

J. Trump, P. Arrabal Haro, R. Simons, B. Backhaus, R. Amorn, M. Dickinson, V. Fernandez, C. Papovich, D. Nicholls, and 55 colleagues including **T. Hutchison**

CEERS Key Paper I: An Early Look into the First 500 Myr of Galaxy Formation with JWST // [arXiv:2211.05792](#)

The Astrophysical Journal, Volume 946, Issue 1, article id. L13, 35 pg. (2023)

S. Finkelstein, M. Bagley, H. Ferguson, S. Wilkins, J. Kartaltepe, C. Papovich, A. Yung, P. Arrabal Haro, P. Behroozi, M. Dickinson, and 57 colleagues including **T. Hutchison**

Dusty Starbursts Masquerading as Ultra-high Redshift Galaxies in JWST CEERS Observations // [arXiv:2208.01816](#)

The Astrophysical Journal, Volume 943, Issue 2, article id. L9, 14 pg. (2023)

J. Zavala, V. Buat, C. Casey, S. Finkelstein, D. Burgarella, M. Bagley, L. Ciesla, E. Daddi, M. Dickinson, H. Ferguson, and 115 colleagues including **T. Hutchison**

The Next Generation Deep Extragalactic Exploratory Public (NGDEEP) Survey // [arXiv:2302.05466](#)

M. Bagley, N. Pirzkal, S. Finkelstein, C. Papovich, D. Berg, J. Lotz, G. Leung, H. Ferguson, A. Koekemoer, M. Dickinson, and 38 colleagues including **T. Hutchison**

A Long Time Ago in a Galaxy Far, Far Away: A Candidate $z \sim 12$ Galaxy in Early JWST CEERS Imaging // [arXiv:2207.12474](#)

The Astrophysical Journal, Volume 940, Issue 2, article id. L55, 15 pg. (2022)

S. Finkelstein, M. Bagley, P. Haro, M. Dickinson, H. Ferguson, J. Kartaltepe, C. Papovich, D. Burgarella, D. Kocevski, M. Huertas-Company, and 112 colleagues including **T. Hutchison**

JWST Imaging of Earendel, the Extremely Magnified Star at Redshift $z=6.2$ // [arXiv:2208.09007](#)

The Astrophysical Journal, Volume 940, Issue 1, article id. L1, 12 pg. (2022)

B. Welch, D. Coe, E. Zackrisson, S. E. de Mink, S. Ravindranath, J. Anderson, G. Brammer, L. Bradley, J. Yoon, P. Kelly, and 53 colleagues including **T. Hutchison**

On the Stellar Populations of Galaxies at $z = 9 - 11$: The Growth of Metals and Stellar Mass at Early Times // [arXiv:2111.05351](#)

The Astrophysical Journal, Volume 927, Issue 2, article id. 170, 29 pg. (2022)

S. Tacchella, S. Finkelstein, M. Bagley, M. Dickinson, H. Ferguson, M. Giavalisco, L. Graziani, and 14 colleagues including **T. Hutchison**

A Census of the Bright $z = 8.5-11$ Universe with the Hubble and Spitzer Space Telescopes in the CANDELS Fields // [arXiv:2106.13813](#)

The Astrophysical Journal, Volume 928, Issue 1, article id. 52, 38 pg. (2022)

S. Finkelstein, M. Bagley, M. Song, R. Larson, C. Papovich, M. Dickinson, K. Finkelstein, and 17 colleagues including **T. Hutchison**

Space Telescope and Optical Reverberation Mapping Project. IX. Velocity-Delay Maps for Broad Emission Lines in NGC 5548

The Astrophysical Journal, Volume 907, Issue 2, article id. 76, 19 pp. (2021)

K. Horne, G. De Rosa, B. M. Peterson, A. J. Barth, B. M. Peterson, and 153 additional authors, including **T. Hutchison**.

Space Telescope and Optical Reverberation Mapping Project. XII. Broad-Line Region Modeling of NGC 5548

The Astrophysical Journal, Volume 902, Issue 1, article id. 74, 26 pg. (2020)

P. R. Williams, A. Pancoast, T. Treu, B. J. Brewer, B. M. Peterson, A. J. Barth, and 153 colleagues including **T. Hutchison**.

The properties of He II 1640 emitters at $z \sim 2.5-5$ from the VANDELS survey // [arXiv:1911.09999](https://arxiv.org/abs/1911.09999)

The Astronomy & Astrophysics Journal, Volume 636, eid. A47, 21 pg. (2020)

A. Saxena, L. Pentericci, M. Mirabelli, D. Schaerer, R. Schneider, F. Cullen, R. Amorin, A. Bolzonella, A. C. Bongiorno, and 17 colleagues including **T. Hutchison**

Space Telescope and Optical Reverberation Mapping Project. VIII. Time Variability of Emission and Absorption in NGC 5548 Based on Modeling the Ultraviolet Spectrum

The Astrophysical Journal, Volume 881, Issue 2, article id. 153, 36 pg. (2019)

G. A. Kriss, G. De Rosa, J. Ely, B. M. Peterson, J. Kaastra, and 163 additional authors, including **T. Hutchison**.

Velocity-resolved Reverberation Mapping of Five Bright Seyfert 1 Galaxies // [arXiv:1807.04784](https://arxiv.org/abs/1807.04784)

The Astrophysical Journal, Volume 866, Issue 2, article id. 133, 20 pg. (2018)

G. De Rosa, M. Fausnaugh, C. Grier, B. Peterson, K. Denney, K. Horne, M. Bentz, S. Ciroi, E. Dalla Bont, M. Joner, and 92 colleagues including **T. Hutchison**

Continuum Reverberation Mapping of the Accretion Disks in Two Seyfert 1 Galaxies

The Astrophysical Journal, Volume 854, Issue 2, article id. 107, 24 pg. (2018)

M. Fausnaugh, D. Starkey, K. Horne, C. Kochanek, B. Peterson, and 67 additional authors, including **T. Hutchison**.

Space Telescope and Optical Reverberation Mapping Project. VII. Understanding the Ultraviolet Anomaly in NGC 5548 with X-Ray Spectroscopy

The Astrophysical Journal, Volume 846, Issue 1, article id. 55, 24 pg. (2017)

S. Mathur, A. Gupta, K. Page, R. Pogge, Y. Krongold, M. Goad, and 144 additional authors, including **T. Hutchison**.

Reverberation Mapping of Optical Emission Lines in Five Active Galaxies

The Astrophysical Journal, Volume 840, Issue 2, article id. 97, 27 pg. (2017)

M. Fausnaugh, C. Grier, M. Bentz, K. Denney, G. De Rosa, B. Peterson, and 65 additional authors, including **T. Hutchison**.

Space Telescope and Optical Reverberation Mapping Project. V. Optical Spectroscopic Campaign and Emission-line Analysis for NGC 5548 // [arXiv:1702.01177](https://arxiv.org/abs/1702.01177)

The Astrophysical Journal, Volume 837, Issue 2, article id. 131, 21 pg. (2017)

L. Pei, M. Fausnaugh, A. Barth, B. Peterson, M. Bentz, G. De Rosa, K. Denney, M. Goad, C. Kochanek, K. Korista, and 146 colleagues including **T. Hutchison**

Space Telescope and Optical Reverberation Mapping Project. VI. Reverberating Disk Models for NGC 5548 // [arXiv:1611.06051](https://arxiv.org/abs/1611.06051)

The Astrophysical Journal, Volume 835, Issue 1, article id. 65, 15 pg. (2017)

D. Starkey, K. Horne, M. Fausnaugh, B. Peterson, M. Bentz, C. Kochanek, K. Denney,

R. Edelson, M. Goad, G. De Rosa, and 83 colleagues including **T. Hutchison**

Space Telescope and Optical Reverberation Mapping Project. IV. Anomalous Behavior of the Broad Ultraviolet Emission Lines in NGC 5548

The Astrophysical Journal, Volume 824, Issue 1, article id. 11, 10 pg. (2016)

M. Goad, T. Korista, G. De Rosa, A. Kriss, and 96 colleagues including **T. Hutchison**.

Space Telescope and Optical Reverberation Mapping Project. III. Optical Continuum Emission and Broadband Time Delays in NGC 5548

The Astrophysical Journal, Volume 821, Issue 1, article id. 56, 25 pg. (2016)

M. Fausnaugh, K. Denney, A. Barth, M. Bentz, M. Bottorff, and 92 colleagues including **T. Hutchison**.

SPIE CONFERENCE PROCEEDINGS

First Author

Flexure updates to MOSFIRE on the Keck I telescope // [arXiv:2012.09308](#) (**3 citations**)

Proc. SPIE 11447, Ground-based and Airborne Instrumentation for Astronomy VIII, 114476A

T. Hutchison, J. Walawender, S. H. Kwok // Paper No. 11447-114

WHITE PAPERS

Co-Author

Strongly lensed [O III] emitters at Cosmic Noon with Roman: Characterizing extreme emission line galaxies on star cluster complex scales (100 pc) // [arXiv:2307.01247](#)

K. J. Kim, M. Bayliss, H. Dahle, **T. Hutchison**, K. Sharon, and 3 additional authors

UV Diagnostics of Galaxies from the Peak of Star-Formation to the Epoch of Reionization

C. Papovich, D. Stark, S. Finkelstein, S. Ravindranath, D. Berg, M. Bradac, and 16 additional authors, including **T. Hutchison**. // [arXiv:1903.04524](#)

Spatially-resolved studies of star-forming galaxies in the reionization epoch

S. Ravindranath, C. Papovich, B. James, G. Snyder, A. Jaskot, H. Ferguson, and 12 additional authors, including **T. Hutchison**. // [article link](#)

Unveiling the Phase Transition of the Universe During the Reionization Epoch with Lyman-alpha

S. Finkelstein, M. Bradac, C. Casey, M. Dickinson, R. Endsley, and 13 colleagues including **T. Hutchison**. // [arXiv:1903.04518](#)

RESEARCH NOTES

Co-Author

TEMPLATES: Tests of NIRSpec Observing Strategy, using SGAS1723

Research Notes of the AAS, Volume 7, Issue 1, article id. 17, pg. (2023)

B. Welch, J. Rigby, and T. Hutchison

SERVICE & OUTREACH

International Level

| | |
|---------------------------------------------------------------|-------------------|
| Co-Chair: Junior Scientist Working Group, CEERS Collaboration | since Spring 2022 |
| #UniqueScientists , Editing Director | 2019 – 2022 |

National Level

| | |
|-------------------------------------------|-------------------|
| <i>JWST</i> Subject Matter Expert | 2021–2023 |
| Warrior Scholar Project*: STEM Week TA | TAMU, 2018 – 2021 |
| <i>Letters to a Pre-Scientist</i> Pen Pal | 2018 – 2019 |

State Level

| | |
|---------------------------------------|------------------------|
| Texas Section APS Executive Committee | APS, since Spring 2021 |
|---------------------------------------|------------------------|

University / Institution Level

| | |
|--------------------------------------------|-------------------------|
| RetainU Undergraduate Mentoring Program | TAMU, 2017 – 2018 |
| March for Science, <i>Meet a Scientist</i> | TAMU, April 2017 |
| King Creativity Grant Allocation Committee | Southwestern, Fall 2014 |

Department / Division Level

| | |
|----------------------------------------------------------------------------------------------------------|---------------------------|
| NASA-PEER: Post-Bacc Mentoring Program <i>Code 600; Co-founder, current mentor</i> | NASA GSFC, since 2023 |
| Departmental Graduate Records Committee | TAMU, 2020 – 2022 |
| Mentoring & Advising Graduates in an Inclusive Community [⊙] <i>Co-founder, mentor</i> | TAMU, 2019 – 2022 |
| Astronomy Graduate Student Representative (for Faculty) | TAMU, 2018 – 2021 |
| Departmental Climate and Diversity Committee | TAMU, 2018 – 2020 |
| Society for the Under-represented in Physics & Astronomy [◇] <i>Co-founder, grant-funded</i> | TAMU, 2016 – 2022 |
| TAMU Physics & Engineering Festival (annual event) | TAMU, 2017 – 2021 |
| Dept. Moving Transition Team Member | Southwestern, 2015 – 2016 |

Local Community Level

| | |
|-------------------------------------------------------------|---------------------------|
| Astronomy Outreach, <i>Astronomy on Tap</i> (monthly event) | TAMU, 2018 – 2022 |
| Astronomy Outreach, <i>Camp For All</i> (annual event) | TAMU, 2017 – 2019 |
| TAMU Star Parties (occasional volunteer) | TAMU, Fall 2016 |
| <i>Fountainwood Observatory</i> Public Nights | Southwestern, 2012 – 2016 |
| Physics Outreach, Williamson County Middle Schools | Southwestern, 2013 – 2016 |
| Seaperch Program Mentor | Southwestern, 2014 – 2015 |

* warrior-scholar.org [⊙] MAGIC – tamumagic.github.io

◇ SUPA – tx.ag/supa

AWARDED TELESCOPE TIME // ARCHIVAL FUNDING

Principal Investigator

- NASA Keck Observatory/MOSFIRE 2020B – *Using Nebular UV Metal Lines to Probe Redshifts*

and Physical Conditions in Galaxies During Reionization; 2 nights, Oct/Dec 2020 [COVID-19]

- NASA Keck Observatory/MOSFIRE 2020A – *Using Nebular UV Metal Lines to Probe Redshifts and Physical Conditions in Galaxies During Reionization*; 2 nights, Feb 2020
- (Co-PI) IRAM/NOEMA – *A Physical Study of the Galaxy z7_GND_42912 at the End of Reionization* ($z=7.51$); 30 hours, 2019 (not observed)

Co-Investigator

- NASA Keck Observatory/MOSFIRE 2022A–2023B – *Webb Epoch of Reionization Ly α Survey (WERLS)*; 29 nights over 4 semesters
- JWST Cy1 – *Probing the Interstellar Medium of Galaxies in the Early Universe*; archival
- JWST Cy1 – *Spectroscopic Confirmation and Characterization of Bright Galaxies at $z\sim 9$* ; 18.1 hours prime
- JWST Cy1 – *Leveraging Early Public JWST Data to Measure Luminosity Functions and Rest-UV Slopes from $6 < z < 12$* ; archival
- JWST Cy1 – *Confirming a Potential Ultra-Massive Galaxy at $z=10.57$* ; 2.6 hours prime
- JWST Cy1 – *The First Observations of the Ionizing Luminosity of Galaxies within the Epoch of Reionization*; 22.2 hours prime
- NASA Keck Observatory/MOSFIRE 2021A – *CEERS proposal to target $z > 7$ Ly α ($z\sim 4-5$ rest-UV) in the EGS field*; 2 nights, Apr 2021
- NSF NOIRLab Gemini/GNIRS 2021A – *Near-Infrared Spectroscopy of an Extremely-Large Equivalent-width Lyman-alpha Emitter at $z=7.608$* ; 5 hours, 2021 (not observed, [COVID-19])
- LBT/LUCI 2020A – *Detection of C III] and Ly α at high redshifts through near-infrared spectroscopy*; 15 hours, Jan 2020
- NASA Keck Observatory/MOSFIRE 2019B – *Islands of Reionization*; 2 nights, Dec 2019
- NASA Keck Observatory/MOSFIRE 2019A – *Islands of Reionization*; 2 nights, Mar 2019
- NASA Keck Observatory/MOSFIRE 2018B – *Islands of Reionization*; 2 nights, Nov 2018
- NASA Keck Observatory/MOSFIRE 2018A – *Islands of Reionization*; 2 nights, Apr 2018
- JWST Early Release Science – *The Cosmic Evolution Early Release Science (CEERS)*, 2017

NOTE: any activities that were affected by COVID-19 & occurred virtually are marked by [COVID-19]

CONFERENCES & PRESENTATIONS

Science Presentations

Invited Talk: UIUC Colloquium (URBANA, IL)

11 April 2023

Talk: American Astronomical Society #241 (SEATTLE, WA)

12 January 2023

| | |
|---------------------------------------------------------------------------------------------|----------------------|
| Invited Talk: Joint STScI & JHU Seminar | 14 July 2022 |
| Invited Talk: Cosmic DAWN Center CakeTalk Virtual Seminar | 24 March 2022 |
| Talk: MIT Brown Bag Virtual Seminar | 14 March 2022 |
| Talk: Caltech Tea Talk Virtual Seminar | 22 November 2021 |
| Talk: JPL Virtual Seminar | 15 November 2021 |
| Talk: UCLA Virtual Seminar | 19 October 2021 |
| Poster: Keck Science Meeting (interactive) | 9-10 September 2021 |
| Talk: TAMU Astrosymposium (COLLEGE STATION, TX) | 27 August 2021 |
| Talk: SAZERAC 2.0 Virtual Conference (recording) | 15 July 2021 |
| Invited Talk: EURECA Virtual Seminar, UofA | 16 April 2021 |
| Poster: SPIE Telescopes & Instrumentation (interactive) [COVID-19] | 14 December 2020 |
| Invited Talk: TAMU Nuclear+Astro Seminar [COVID-19] | 25 September 2020 |
| Poster: Keck Science Meeting (interactive) [COVID-19] | 24-25 September 2020 |
| Talk: TAMU Astrosymposium [COVID-19] | 17 August 2020 |
| Talk: SAZERAC Virtual Conference (recording) | 6 July 2020 |
| Invited Talk: Lancaster XGAL Seminar (UK) [COVID-19] | 14 April 2020 |
| Invited Talk: Gemini Headquarters (HILO, HI) | 24 February 2020 |
| Talk: American Astronomical Society #235 (HONOLULU, HI) | 5 January 2020 |
| Talk: Keck Summit Talk (MAUNAKEA) | 9 December 2019 |
| Talk: Keck Visiting Scholar: Exit Talk (WAIMEA, HI) | 24 October 2019 |
| Talk: Keck Visiting Scholar: Entrance Talk (WAIMEA, HI) | 2 October 2019 |
| Talk: Keck Science Meeting, UCLA (LOS ANGELES, CA) | 20 September 2019 |
| Talk: TAMU Astrosymposium (COLLEGE STATION, TX) | 23 August 2019 |
| Talk: Barefoot in the EoR (FITZROY ISLAND, QLD, AU) | 17 July 2019 |
| Talk: Extremely Large Telescopes Conf., UCLA (LOS ANGELES, CA) | 29 January 2019 |
| Talk: TAMU Astrosymposium (COLLEGE STATION, TX) | 24 August 2018 |
| Talk: 2-min; DES Collaboration Meeting (COLLEGE STATION, TX) | 17 May 2018 |
| Talk: CEERS Team Meeting (MAGNOLIA, TX) | 1 February 2018 |
| Talk: Star Formation in Era of JWST (COLLEGE STATION, TX) | 1 November 2017 |
| <i>Led by D. Calzetti & R. Kennicutt</i> | |
| Poster: Frank N. Bash Symposium (AUSTIN, TX) | 24–25 October 2017 |
| Talk: 1-min; Frank N. Bash Symposium (AUSTIN, TX) | 24 October 2017 |
| Talk: TAMU Astrosymposium (COLLEGE STATION, TX) | 25 August 2017 |
| Talk: ZFOURGE Team Meeting (MAGNOLIA, TX) | 24-28 October 2016 |
| Talk: TAMU Astrosymposium (COLLEGE STATION, TX) | 26 August 2016 |

Professional Development Presentations

| | |
|-------------------------------------------------------------------------------|----------------|
| Talk: Telescope Proposals, a “How To” Guide (recording) | 5 March 2021 |
| Talk: GLASS, matplotlib & Effective Plotting (recording) | 9 October 2020 |
| Talk: MAGIC+GLASS, Grants & Opportunities (& Finding Them) | 14 August 2020 |
| Talk: MAGIC, Conferences & Presentations (Making a Good One) | 10 July 2020 |
| Talk: MAGIC+GLASS, Crafting Your CV/Resume (recording) | 24 June 2020 |
| Talk: MAGIC, Building Your Professional Website (recording) | 3 April 2020 |

Outreach Presentations

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|----------------------------------------------------------|-----------------|
| Invited: First Year of <i>JWST</i> STScI Outreach Panel | 12 July 2023 |
| Talk: NASA Hyperwall, American Astronomical Society #241 | 11 January 2023 |
| Talk: <i>Astronomy on Tap</i> (DC) | 10 October 2022 |
| Talk: <i>Astronomy on Tap</i> (BRYAN, TX) | 25 May 2022 |

| | |
|-------------------------------------------------------------------------------------------------------|-------------------|
| Talk: § SPS Distinguished Public Lecture, TLU (SEGUIN, TX) | 4 November 2021 |
| Invited: <i>Semana Mundial del Espacio</i> , ITESM Virtual Masterclass | 6 October 2021 |
| Talk: <i>Astronomy on Tap</i> (BRYAN, TX) | 22 September 2021 |
| Invited: W. M. Keck Observatory Virtual Public Talk (recording) | 9 December 2020 |
| Talk: <i>Astronomy on Tap</i> (BRYAN, TX) [COVID-19] (recording) | 16 September 2020 |
| Invited: <i>The Earth is Flat on Planet Pluto</i> , David Sobral (recording) | 1 July 2020 |
| Talk: Warrior Scholar Project (COLLEGE STATION, TX) [COVID-19] | 26 June 2020 |
| Talk: <i>Astronomy on Tap</i> (BRYAN, TX) [COVID-19] (recording) | 24 June 2020 |
| Talk: <i>Astronomy on Tap</i> (AUSTIN, TX) [COVID-19] (recording) | 31 March 2020 |
| Talk: Society for Physics Students (COLLEGE STATION, TX) [COVID-19] | 24 March 2020 |
| Talk: <i>Astronomy on Tap</i> (BRYAN, TX) | 14 August 2019 |
| Talk: Warrior Scholar Project (COLLEGE STATION, TX) | 27 June 2019 |
| Talk: Warrior Scholar Project (COLLEGE STATION, TX) | 28 June 2019 |
| Talk: <i>Astronomy on Tap</i> (BRYAN, TX) | 11 October 2018 |
| Talk: Warrior Scholar Project (COLLEGE STATION, TX) | 29 June 2018 |
| Talk: Warrior Scholar Project (COLLEGE STATION, TX) | 28 June 2018 |
| Talk: <i>Camp For All</i> (BURTON, TX) | 21 April 2018 |

Undergraduate Presentations

| | |
|------------------------------------------------------------------|---------------|
| Talk: Creative Works Symposium, Senior Capstone (GEORGETOWN, TX) | 12 April 2016 |
| Poster: * Creative Works Symposium (GEORGETOWN, TX) | April 2015 |
| Poster: * King Creativity Symposium (GEORGETOWN, TX) | April 2015 |
| Poster: APS March Meeting (SAN ANTONIO, TX) | March 2015 |
| Poster: CUWiP [◇] (BROWNSVILLE, TX) | January 2015 |
| Poster: APS Meeting; Texas Section (COLLEGE STATION, TX) | October 2014 |
| Poster: * Creative Works Symposium (GEORGETOWN, TX) | April 2014 |
| Poster: * King Creativity Symposium (GEORGETOWN, TX) | April 2014 |

§ *JWST* Subject Matter Expert speaking event

* Poster paired with Display Table

SUPERVISION / MENTORING

High School Students (2)

Independent Study & Mentorship Program, Frisco ISD

— N. Sathishkumar (2020 – 2022)

— A. Kothuri (Spring 2021)

Mentoring under-represented students for applying to graduate school

— (3) Recent grads of Talented & Gifted Magnet (2016–2018)

— (4) Recent grads of Southwestern University (2016–2018)

TEACHING EXPERIENCE

Workshops

- Pitt-TAMU Python Camp, instructor (virtual) 24–26 May 2021
- Co-organizer of local JWST proposal planning UT Austin & Texas A&M
- workshops; STScI JWST master scholars Spring 2020

Assistant

- Warrior Scholar Project: STEM Week TAMU, Summer 2018, 2019,
[COVID-19] 2020, 2021
- Teaching Assistant, Astronomy TAMU, 2016–2018
- Advisor, Independent Study Southwestern, 2016
- Undergraduate Astronomy Southwestern, Fall 2014

CONFERENCE/MEETING LEADERSHIP

- | | |
|--------------------------------------------------------------------------------|----------------------|
| First Year of Science with <i>JWST</i> , SOC | 11-14 September 2023 |
| Royal Astronomy Society Specialist Discussion, SOC (website) | 14 January 2022 |
| APS CUWiP 2020 Organizing Committee for TAMU (website) | 17-19 January 2020 |

PROGRAMMING

Languages

Fluent: Python, Tex, html
 Experience with: C++, bash, IDL, R, CSS

Website Architect

Personal website: aibhleog.github.io, created starting websites for (5) colleagues
JWST Cosmic Spring Collaboration (with Dr. D. Coe): cosmic-spring.github.io
 TAMU Astronomy website (with other grads): tamu-astro.github.io
 GLASS, Astronomy Graduate Professional Development Program: tamu-glass.github.io
JWST Texas Master Scholars (with Dr. M. Bagley): jwst-texas-master-scholars.github.io
 Mentoring & Advising Graduates in an Inclusive Community (MAGIC): tamu-magic.github.io
 Conference for Undergraduate Women in Physics (CUWiP) at TAMU: cuwip.tamu.edu
 Society for the Under-represented in Physics & Astronomy (SUPA): tx.ag/supa

CERTIFICATES

- | | |
|------------------------------------------------------------------|------------|
| CIRTL Associate Certificate – Evidenced-Based Teaching Practices | April 2021 |
| OGAPS Intermediate Leadership Development Certificate | 4 May 2017 |
| OGAPS Basic Leadership Development Certificate | 4 May 2017 |

PANELS

| | |
|-------------------------------------------------|--------------------------------------------|
| (invited) Graduate Students, APS April Meeting | [COVID-19] , 18 April 2020 |
| Activism & Outreach, TAMU CUWiP 2020 | TAMU, 18 January 2020 |
| Undergraduate Advice, Intro. to Physics Seminar | TAMU, 26 April 2017 |

CIRCULARS & TELEGRAMS

ASASSN-17bq: Discovery of A Supernova in GALEXASC J072538.14+590010.5
 L. Macri, **T. Hutchison**, R. A. Koff et al. 2017, ATel. 10027, 1

PRESS COVERAGE

NASA Early Career Scientist Spotlight, [“Dr. Taylor Hutchison”](#) – March 2023

PBS NOVA, [“New Eye on the Universe”](#) – February 2023

The Point of Becoming You, BestColleges, [“From Bartender to NASA Astrophysicist: The Point of Becoming Taylor”](#) – January 2023

Constellations with host Sarafina Nance, Seeker, [“How Space-Time Works When You Look at the Stars”](#) – Episode 3, January 2021

The STEM Squad, [Making Space Award Nominee](#), September 2019

Texas A&M Today, [“Stargazing”](#), July 2019

Texas A&M University: Science, [“Texas A&M NSF Graduate Research Fellow Taylor Hutchison Finds Focus in Studying Universe’s Earliest Stars and Sharing Passion for Science”](#), June 2019

PROFESSIONAL SOCIETIES

| | |
|--------------------------------------------------------|----------------|
| SPIE: The International Society for Optics & Photonics | 2020 – present |
| American Astronomical Society | 2019 – present |
| Sigma Xi, The Scientific Research Honor Society | 2018 – present |
| American Physical Society | 2014 – present |
| Alpha Delta Pi (academic sorority) | 2015 – present |