

**SOPHIA R FLURY**  
Curriculum Vitae

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**EDUCATION**

Ph.D.	Astronomy	2025	University of Massachusetts, Amherst, MA
M.S.	Astronomy	2023	University of Massachusetts, Amherst, MA
M.A.	Astronomy	2018	Wesleyan University, Middletown, CT
B.S. (cum laude)	Physics (with honors)	2012	Dickinson College, Carlisle, PA

**RESEARCH APPOINTMENTS**

UMass Amherst	<i>HST/COS GO 15626</i>	01/2020 - 09/2023
	<i>FINESST grant</i>	09/2023 - 08/2025
Wellesley College	<i>Cassini mission</i>	09/2018 - 05/2019

**TEACHING APPOINTMENTS / EXPERIENCE**

UMass Amherst	ASTR 101: Intro Astronomy	08/2019 - 12/2019
Wesleyan University	ASTR 111: Dark Side of the Universe	01/2017 - 05/2018
	ASTR 211: Observational Astronomy	
	Numerical Methods	05/2018 - 08/2018
Dickinson College	Undergraduate Lab Assistant	08/2009 - 05/2012

**REFEREED PUBLICATIONS**

Dors, Oli L. , Valerdi, M., Riffel, R. A., Riffel, R., Cardaci, M. V., Hägele, G. F., Armah, M., Revalski, M., **Flury, S. R.**, Freitas-Lemes, P., Amôres, E. B., Krabbe, A. C., Binette, L., Feltre, A., 2023, MNRAS, submitted. “Chemical abundances in Seyfert galaxies – X. Sulfur abundance estimates”.

**Flury, S. R.**, Moran, E. C., & Eleazer, M., 2023, MNRAS, submitted. “Galactic Outflow Emission Line Profiles: Evidence for Dusty, Radiatively-Driven Ionized Winds in Mrk 462”.

Trebitsch, M., Dayal, P., Chisholm, J., Finkelstein, S. L., Jaskot, A., **Flury, S. R.**, et al. 2023, A&AL submitted. “Reionization with star-forming galaxies: insights from the Low-z Lyman Continuum Survey”.

Nicholson, P. D., French, R. G., McGhee-French, C. A., Longaretti, P.-Y., Hedman, M., El Moutamid, M., Colwell, J., Marouf, E. A., Rappaport, N., **Flury, S. R.**, et al. 2023, Icarus, 390, 115287. “The seven-lobed shape of the outer edge of Saturn’s A ring”.

- Chisholm, J., Saldana-Lopez, A., **Flury, S. R.**, et al. 2022, MNRAS, 517, 5104. "The far-ultraviolet continuum slope as a Lyman Continuum escape estimator at high redshift".
- Flury, S. R.**, Jaskot, A. E., Ferguson, H. C., et al. 2022, ApJS, 260, 1. "The Low-redshift Lyman Continuum Survey. I. New, Diverse Local Lyman Continuum Emitters".
- Flury, S. R.**, Jaskot, A. E., Ferguson, H. C., et al. 2022, ApJ, 930, 126. "The Low-redshift Lyman Continuum Survey. II. New Insights into LyC Diagnostics".
- Marques-Chaves, R., Schaerer, D., Amorin, R. O., Borthakur, S., Chisholm, J., Ferguson, H., **Flury, S. R.**, et al. 2022, A&A, 663, L1. "No correlation of the Lyman continuum escape fraction with spectral hardness".
- Saldana-Lopez, A., Schaerer, D., Chisholm, J., **Flury, S. R.**, et al. 2022, A&A, 663, A59. "The Low-Redshift Lyman Continuum Survey. Unveiling the ISM properties of low-z Lyman-continuum emitters".
- Xu, X., Henry, A., Heckman, T., Chisholm, J., Worseck, G., Gronke, M., Jaskot, A., McCandliss, S. R., **Flury, S. R.**, et al. 2022, ApJ, 933, 202. "Tracing Ly $\alpha$  and LyC Escape in Galaxies with Mg II Emission".
- Wang, B., Heckman, T. M., Amorín, R., Borthakur, S., Chisholm, J., Ferguson, H., **Flury, S. R.**, et al. 2021, ApJ, 916, 3. "The Low-redshift Lyman-continuum Survey: [S II] Deficiency and the Leakage of Ionizing Radiation".
- Flury, S. R.**, & Moran, E. C. 2020, MNRAS, 496, 2191. "Chemical abundances in active galaxies".

## CONFERENCE PRESENTATIONS / INTERVIEWS

Invited colloquium, University Cidade de São Paulo	Summer 2023
UVGalaxies2023	Summer 2023
First Light with JWST	Spring 2023
Lyman Continuum Labyrinths	Spring 2023
AAS Journal Author Series	Summer 2022
Sazerac SIP Early Galaxy Formation Near and Far	Fall 2021
Sazerac 2.0	Summer 2021
Chemical Abundances in Gaseous Nebulae III	Spring 2021

## PROFESSIONAL/INSTITUTIONAL SERVICE

ApJ	Referee	2022 - present
Wesleyan University	Bridge program mentor	2021 - present
Wesleyan University	Public Observing	2017 - 2018
Macdonough Elem, CT	Planetarium Shows	2017
Wesleyan University	Public science talks	2017 - 2018
Dickinson College	Founded and ran public science activity fair	2010 - 2012