
CONTACT INFORMATION	Department of Astronomy University of Washington Seattle, WA 98195 email: spf1719 [at] uw [dot] edu website: sfillingham.github.io
MILITARY SERVICE	Discharge status: Honorable, protected Veteran United States Army (Active Duty, October 2003 - July 2008) Virginia National Guard (July 2008 - December 2009)
CITIZENSHIP	USA

PROFESSIONAL APPOINTMENTS	Postdoctoral Scholar University of Washington	September 2019 - Present
	FPS Metrics Development Lead SDSS-V	December 2020 - Present
EDUCATION	University of California, Irvine PhD, Physics MS, Physics	September 2019 December 2015
	University of California, Los Angeles BS, Physics	June 2013
	Northern Virginia Community College AS, Engineering	May 2010
TECHNICAL SKILLS	Skilled: Python (NumPy, Matplotlib, SciPy, Astropy, scikit-Learn) SQL (MySQL, SQLAlchemy, peewee) bash, Unix/MacOS, git Familiar: C, R, IDL Software: gbtidl, IRAF/pyRAF, spec2d, spec1d, zspec	
OBSERVING PROPOSALS AND GRANTS	Principal Investigator GBT - Characterizing HI Emission in BreakBRD galaxies (2020B, 24 hours) Co-Investigator GBT - HI-MaNGA: HI Followup for MaNGA Galaxies (Ongoing, 400 backup hours) GBT - Exploratory Observations of CO(1 – 0) 115.271 GHz Emission in MaNGA Galaxies (2019B, 4.3 hours) Keck/DEIMOS - Constraining the Physics of Satellite Quenching at $z < 1$ (2016-2019, 13.5 nights) HST (AR-14289) - The Faint Galaxy Frontier: Galaxy Formation at the Extremes of Mass and Density in the Deep Fields	

OBSERVING
EXPERIENCE

Green Bank Observatory
 GBT - L band: 24 hours
 Keck Observatory
 DEIMOS: 17.5 nights
 MOSFIRE: 4 nights
 OSIRIS: 1 night
 Lick Observatory
 KAST: 8 nights
 Subaru Observatory
 HSC: 0.5 nights

PROFESSIONAL
ACTIVITIES

Reviewer: ALMA Cycle 8 Review, 2021
 Panel Member: NASA ADAP Review, 2020
 Referee: Astrophysical Journal, 2020 - present
 Referee: Monthly Notices of the Royal Astronomical Society, 2019 - present
 Postdoc Rep: UW Faculty-Postdoc Committee and Faculty Meetings, 2019 - 2020

Member: SDSS V, 2020 - present
 Member: SDSS IV, 2019 - present
 Member: American Association for the Advancement of Science, 2020 - present
 Member: American Physical Society, 2019 - present
 Member: American Astronomical Society, 2017 - present

AWARDS

Graduate Deans Dissertation Fellowship, UC Irvine, 2018 - 2019
 Regents Fellowship, UC Irvine, 2013 - 2014

SELECT
PRESENTATIONS

WFIRST Local Group Meeting, Caltech, Pasadena, CA (June, 2019)
 AAS 233rd Meeting (Dissertation Talk), Seattle, WA (January, 2019)
 Galaxy Journal Club, STScI, Baltimore, MD (November 9, 2018)
 Astronomy Seminar, UC Riverside, Riverside, CA (October 17, 2018)
 Keck Science Meeting, Caltech (September, 2018)
 TAPIR Seminar, Caltech, Pasadena, CA (September 1, 2017)
 Santa Cruz Galaxy Workshop, UCSC (August, 2017)
 The Carnegie Observatories Lunch Talk, Pasadena, CA (April 28, 2017)
 Keck Science Meeting, Caltech (September, 2016)
 Santa Cruz Galaxy Workshop, UCSC (August, 2016)
 Santa Cruz Galaxy Workshop, UCSC (August, 2015)

PUBLICATIONS

12. Ultra Faint Dwarf Galaxies in the Nancy Grace Roman Space Telescope High Latitude Survey
Fillingham, S. P., Smercina, A., et al. 2021, in prep

11. A CO detection in a BreakBRD Spiral Galaxy
Fillingham, S. P., Myles, M., Stark, D., et al. 2021 in prep

10. A machine learning approach to measuring the quenched fraction of low-mass satellites beyond the Local Group

- Baxter, D. C., Cooper, M. C., **Fillingham, S. P.** 2021, MNRAS, 503, 2
9. Dark Matter Interpretation of the *Fermi*-LAT Observations Toward the Outer Halo of M31
Karwin, C. M., Murgia, S., Moskalenko, I. V., **et al.** 2021 PhRvD, 103, 023027
 8. The GOGREEN and GCLASS Surveys: Data Release
Balogh, M. L., van der Burg, R. F. J., Muzzin, A., **et al.** 2021, MNRAS, 500, 1
 7. Characterizing the Infall Times and Quenching Timescales of Milky Way Satellites with *Gaia* Proper Motions
Fillingham, S. P., Cooper, M. C., Kelly, T., **et al.** 2019, MNRAS under review (arXiv:1906.04180)
 6. The Suppression of Star Formation on the Smallest Scales: What Role Does Environment Play?
Rodriguez Wimberly, M. K., Cooper, M. C., **Fillingham, S. P.**, **et al.** 2019, MNRAS, 483, 4031
 5. The Evolution of Environmental Quenching Timescales to $z \sim 1.6$: Evidence for Dynamically-Driven Quenching of the Cluster Galaxy Population
Foltz, R., Wilson, G., Muzzin, A., **et al.** 2018, ApJ, 866, 136
 4. Environmental Quenching of Low-Mass Galaxies in the Field
Fillingham, S. P., Cooper, M. C., Boylan-Kolchin, M., **et al.** 2018, MNRAS, 477, 4491
 3. Discovery and Follow-Up Observations of the Young Type Ia Supernova SN 2016COJ
Zheng, W., Filippenko, A. V., Mauerhan, J., **et al.** 2017, ApJ, 841, 64
 2. Under Pressure: Quenching Star Formation in Low-Mass Satellite Galaxies via Stripping
Fillingham, S. P., Cooper, M. C., Pace, A. B., **et al.** 2016, MNRAS, 463, 1916
 1. Taking Care of Business in a Flash \ddagger : Constraining the Timescale for Low-Mass Satellite Quenching with ELVIS
Fillingham, S. P., Cooper, M. C., Wheeler, C., **et al.** 2015, MNRAS, 454, 2039