



The Physics Observer

Aug 3, 2023

In This Issue

[Welcome](#)

[Chair's Corner](#)

[Milestones & Arrivals](#)

[Assorted Talks &](#)

[Meetings](#)

[Funding](#)

[Announcements](#)

[Selected Publications](#)

EXAMS

Wednesday, August 9,
2023 - 10:00am, PAB
B-421
(Xinxin Tang)

Tuesday, August 15, 2023-
12:00pm, PAT C-520
(Isaac Shelby)

SOCIAL MEDIA

[Instagram](#)

[Facebook](#)

[YouTube](#)

[Twitter \(@physicsuw\)](#)

[Vimeo](#)

[Pinterest](#)

Welcome

The Physics Observer is a periodic bulletin of happenings in and around UW Physics. Our goal is to share information of notable happenings, events, and news associated with the department. Please feel free to pass this newsletter to anyone who may be interested. Readers wishing to subscribe, or unsubscribe, may do so [here](#). Previous newsletters may be found on the physics website at [The Physics Observer Newsletter](#). Information for future editions may be sent to the editor, physrecp@uw.edu.

Chair's Corner (L. Yaffe)

Summer is more than half over! Here inside the Physics/Astronomy building, research activities are the focus of attention for most people during the summer although undergraduate students are trooping in and out for summer session classes and those staff involved with budgetary matters or grant support are doing battle (to put it mildly) with the entirely new UW financial system which just went live last month.

As I write this, things are quite noisy outside the building as the Blue Angels are practicing aerial maneuvers for this weekend's [SeaFair airshows](#). Also taking place this weekend is the Thouless Institute's [summer workshop](#), which is bringing together many very prominent condensed matter physicists for a three-day meeting on quantum materials and non-equilibrium dynamics.

Milestones & Arrivals

- ★ Laboratory Technician [Sarah Abell](#) celebrates 5 years with UW.
- ★ Research Scientist/Engineer [Matthew Kallander](#) celebrates 5 years with UW.
- ★ Professor [Miguel Morales](#) celebrates 15 years with UW.

Assorted Talks & Meetings

- ❖ August 5-7, 2023, [TIQM summer workshop and EFRC summit](#), UW.
- ❖ October 28, 2023, Annual Meeting of the Washington Section of the American Association of Physics Teachers, Central Washington University, Ellensburg WA.

Funding Announcements

- Applications solicited for [URA Visiting Scholars Program awards](#), funding visits to Fermilab of up to one year by graduate students, postdocs, or faculty. Deadline August 28, 2023.
- Applications solicited for the autumn 2023 round of [Royalty Research Fund](#) awards. Deadline September 21, 2023.
- Applications solicited for DOE [Science Undergraduate Laboratory Internships](#). Deadline October 4, 2023.

Job Opportunities

- [Tenure-Track Professor](#) - Lewis & Clark College
- [Tenure-Track Assistant Professor](#)- Brown University
- [Assistant Professor](#) - University of Iowa
- [Research Scientist](#)- Lawrence Berkeley National Laboratory

Selected Publications

- Light Driven Spontaneous Phonon Chirality and Magnetization in Paramagnets, M. Rudner, Di Xiao, et al., [arXiv:2308.00933](#).
- Two-Dimensional Moiré Polaronic Electron Crystals, H. Park, X. Xu, et al., [arXiv:2307.16563](#).
- Spatial orientation of the fission fragment intrinsic spins and their correlations, G. Scamps, M. Kafker, A. Bulgac, et al., [arXiv:2307.14455](#).
- Variability in the local and global composition of human T-cell receptor repertoires during thymic development across cell types and individuals, A. Nourmohammad, et al., [bioRxiv:2307.14376](#).
- Characterizing Gravitational Wave Detector Networks: From A# to Cosmic Explorer, M. Baryakhtar, et al., [arXiv:2307.10421](#).
- Extended-Path Intensity Correlation: Microarcsecond Astrometry with an Arcsecond Field of View, M. Baryakhtar, et al., [arXiv:2307.06989](#).
- The one-message-per-cell-cycle rule: A conserved minimum transcription level for essential genes, T. Lo, H. K. J. Choi, D. Huang, P. Wiggins, [arXiv:2307.03324](#).
- Steering and controlling evolution — from bioengineering to fighting pathogens, A. Nourmohannad, et al., <https://doi.org/10.1038/s41576-023-00623-8>.

UW Coronavirus Response Information

- Current pandemic information on the [UW Covid-19 tracking dashboard](#).