



The Physics Observer

Dec 4, 2023

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EVENTS

**Monday, December 4,
2023 - 4:00pm, PAA
A-102**

[Physics Colloquia:
Topology and
"impossible" electronic
devices.](#)

**Andrea Young, UC Santa
Barbara**

**Friday, January 5,
2023 - 3-5:00pm, Kane
225 Walker Ames**

[Physics Holiday Party:](#)

EXAMS

**Monday, December 4,
2023 - 9:00am, PAT C-520
(John Ferre)**

**Tuesday, December 5,
2023 - 11:00am, PAT**

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)

The end of autumn quarter is rapidly approaching with classes ending this week and, of course, final exams next week. I hope everyone had a relaxing Thanksgiving break last month and that the upcoming end-of-year holiday break will be a time to enjoy community, reflection and rejuvenation.

The UW [Arts & Sciences Perspectives](#) newsletter will have a very nice story appearing later this week about our own Emeritus Professor Marshall Baker. I'm looking forward to the release of the [Boys in the Boat](#) movie which opens in theaters on Christmas day. And also the department's annual holiday party on January 5, the first Friday of the new year.

Happy Holidays!

Assorted Talks & Meetings.

- ❖ January 13-15, 2024, [TIQM](#) workshop "[New Developments in Fractionalization](#)," Physics/Astronomy Auditorium A118. Register [here](#).
- ❖ January 19-21, 2024, APS [Conference for Undergraduate Women in Physics](#), Montana State University.
- ❖ March 3-8, 2024, [APS March meeting](#). Minneapolis, MN.
- ❖ April 3-6, 2024, [APS April meeting: Quarks to Cosmos](#), Sacramento, CA. Abstract submission deadline January 5, 2024.

Funding Announcements

- Applications solicited for 2024 DOE Office of Science [summer undergraduate internships \(SULI\)](#). Deadline **January 9, 2024**.
- Applications solicited for [DOE computational science graduate fellowships](#). Deadline **January 17, 2024**. [Info session](#), noon **December 7**.

C-231
([Jared Canright](#))

Thursday, December 7,
2023 - 3:00pm, PAT
C-520 ([Alex Schuy](#))

Thursday, December
14, 2023 - 9:30am, PAT
C-520
([Michael Taursao](#))

Thursday, December
14, 2023 - 11:00am, PAT
LSB 201
([Olivia Zahn](#))

Thursday December
15, 2023- 11:00am, PAT
C-520 ([Christopher
Munley](#))

[SOCIAL MEDIA](#)

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

- Applications solicited for [Keck Foundation science and engineering research grants](#) for the development of breakthrough technologies, instrumentation or methodologies. Limited submission opportunity, internal UW deadline **January 3, 2024**.
- Applications solicited for French-American Cultural Exchange (FACE) [transatlantic research partnership grants](#), 20K, early career applicant pairs. Deadline **February 29, 2024**.

Job Opportunities

- [Assistant Professor](#), University of Wisconsin-Madison.
- [Assistant Professor](#), New Mexico State University.
- [Assistant Professor](#), Rutgers University.
- [Assistant/Associate Teaching Professor](#), UC-Santa Cruz.
- [Assistant Professor](#), condensed matter experiment, University of Alabama-Birmingham.
- [Assistant Professor](#), quantum information, Rensselaer Polytechnic.
- [Instructor](#), AstroCamp.

Selected Publications

- Polarization-driven band topology evolution in twisted MoTe₂ and WSe₂, D. Xiao, et al., [arXiv:2311.12776](#)
- Electronic interactions in Dirac fluids visualized by nano-terahertz spacetime mapping, M. Yankowitz, et al., [arXiv:2311.11502](#)
- Non-Fermi liquid behavior in a correlated flatband pyrochlore lattice, Y. Shi³, Z. Liu, J.-H. Chu, et al., [arXiv:2311.01269](#)
- Anomalies in global SMEFT analyses: a case study of first-row CKM unitarity, V. Cirigliano, W. Dekens, et al., [arXiv:2311.00021](#)