



The Physics Observer

Jul 10, 2024

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EXAMS

Monday, July 15, 2024
- 9:00am, PAB B-143
Final Exam
Ryan Lanzetta

SOCIAL MEDIA

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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 (S. Gupta)

I want to begin by thanking outgoing Chair Larry Yaffe for his skillful leadership of our department these last 5 years. We wish him an enjoyable year of sabbatical!

As incoming Chair, I have been working on familiarizing myself with various administrative aspects of the department. As summer progresses and the next academic year approaches, I welcome hearing from faculty, staff, and students regarding their perspectives and suggestions about the department. In the meantime, stay cool in the Seattle heat the best you can, and I wish you all a pleasant and interesting summer!

Milestones & Arrivals

- ★ Professor [Henry Lubatti](#) celebrates 55 years with UW!
- ★ Budget/Fiscal Analyst [Jessica McDermott](#) celebrates 5 years with UW!

Awards & Grants

- Professor Jerry Miller received 500K from DOE for Nuclear Theory
- Professor Xiaodong Xu received 410K from DOE for Exciton Dynamics
- Professor Boris Blinov received 12K from NSF for Quantum Jumps
- Professor David Hertzog received 1.5M from DOE for Expt. Nuclear Physics
- Assistant Professor Masha Baryakhtar awarded \$23K as a for a Simons Noether fellowship from Perimeter Institute
- Professor Jerry Miller received \$12K from SW Univ Res Assoc for Nuclear GPDS
- Professor Martin Savage received \$220K from FermiLab

Assorted Talks & Meetings.

- ❖ July 8-19, 2024, [Prospects in Theoretical Physics summer school](#), Princeton.
- ❖ July 15-26, 2024, [US Quantum Information Summer School](#), ORNL, Tennessee.
- ❖ July 15-26, 2024, [36th National Nuclear Physics Summer School](#), Bloomington IL.
- ❖ July 22-26, 2024, [PCCM summer school on Condensed Matter Physics](#), Princeton.
- ❖ August 19-23, 2024, [Quantum Information and Physics workshop](#), Princeton.

Funding Announcements

- Applications solicited for [APS-Simons Travel and Professional Development Awards](#), open to non-tenure track instructors.

Job Opportunities

- [Research Assistant Professor](#), Chinese University of Hong Kong
- [Assistant Professor](#), University of Massachusetts Lowell
- [Lecturer](#), Stony Brook University
- [Research Scientist](#), Lawrence Berkeley National Lab

Selected Publications

- Observational prospects of self-interacting scalar superradiance with next-generation gravitational-wave detectors, M. Baryakhtar et al., <https://arxiv.org/abs/2407.04304>
- The hybrid Josephson rhombus: A superconducting element with tailored current-phase relation, W. Marshall, C. Marcus et al., <https://arxiv.org/abs/2406.20082>
- Wide Field of View Large Aperture Meta-Doublet Eyepiece, Anna Wirth-Singh, Johannes E. Fröch, Arka Majumdar et al., <https://arxiv.org/abs/2406.14725>
- First detection of coherent elastic neutrino-nucleus scattering on germanium, M.R. Durand, J. Detwiler et al., <https://arxiv.org/abs/2406.13806>
- Ferromagnetism and Topology of the Higher Flat Band in a Fractional Chern Insulator, Heonjoon Park, Jiaqi Cai, Eric Anderson, William Holtzmann, Weijie Li, Chaowei Hu, Yuzhou Zhao, Takashi Taniguchi, David Cobden, Jiun-Haw Chu, Di Xiao, Xiaodong Xu et al., <https://arxiv.org/abs/2406.09591>
- Quantum turbulence, superfluidity, non-Markovian dynamics, and wave function thermalization, A. Bulgac, M. Kafker et al., <https://arxiv.org/abs/2406.00926>