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)

I considered starting my message this month by offering congratulations to one of my colleagues for their receipt of a Nobel prize — as an April’s fool’s joke. But that would be a bit unkind, plus it is the wrong time of year for Nobel announcements. Maybe next autumn!

On a serious note, I do want to call attention to the nice research summary piece in the March 25 issue of Nature, about how “Weird new electron behaviour in stacked graphene thrills physicists”, which highlights work of Professor Xiao-dong Xu and other colleagues.

Also notable is the award of the International Commission on Physics Education (ICPE) Medal for 2021 to Professor Paula Heron, which will finally be presented this summer at the 4th World Conference on Physics Education in Krakow, Poland.

Finally, I am looking forward to the next Frontiers of Physics public lecture on May 8, which will be on “Opening the Infrared Treasure Chest with JWST” by Nobel Laureate John Mather. Be sure to register when event invitations are sent out shortly. (And if not already on the mailing list, you may sign up here.) Also note the upcoming Seattle Town Hall discussion on “How does ordinary life materialize out of an extraordinary cosmos?” with our former faculty member Matthew Strassler, 7:30pm on April 17.

Milestones & Arrivals

★ Building Coordinator Jason Alferness celebrates 25 years with UW!

Awards & Grants

- Assistant Professor Alvaro Chavarria received 145K from U. Chicago for DAMIC-M construction.
- Professor Jason Detwiler received 51K from ORNL for Legend 1000 buyout.
- Professors Miguel Morales and Matt McQuinn received 169K from NASA for Solar System-scale VLB.
- Professor Gordon Watts received 29K from BNL for IRIS-HEP buyout.
- Professor Gordon Watts received 291K from Princeton for IRIS-HEP.
- Professor Aurel Bulgac received 110K from NNSA for COE LOWE/CENTAUR.
- Associate Professor Armita Nourmohammad received 30K from ISB.
- Associate Professor Jiu-Haw Chu received 57K from UAB for MTC Materials.

### Assorted Talks & Meetings.

- April 3-6, 2024, [APS April meeting: Quarks to Cosmos](#), Sacramento, CA.
- April 4, 2024, [GPSS Interdisciplinary Graduate Research Symposium](#), 1-4pm, Hub ballrooms.
- April 17, 2024, “How does ordinary life materialize out of an extraordinary cosmos?” Matthew Strassler, 7:30pm, Seattle Town Hall.
- June 3-7, 2024, [APS DAMOP meeting](#), Fort Worth.
- July 8-19, 2024, [Prospects in Theoretical Physics summer school](#), Princeton.
- July 15-26, 2024, [36th National Nuclear Physics Summer School](#), Bloomington IL.
- July 22-26, 2024, [PCCM summer school on Condensed Matter Physics](#), Princeton.
- Various dates, DOE virtual “office hours” in [advanced scientific computing, basic energy sciences, biological & environmental research, fusion energy sciences, high energy physics, nuclear physics](#), and accelerator R&D.

### Funding Announcements

- Applications solicited for [Northwest Nanotechnology Infrastructure seed grants](#), up to $10K. Deadline **April 15, 2024**.
- Applications solicited for DOE [Office of Science Graduate Student Research (SCGSR) awards](#), supporting research work at a DOE national lab. Deadline **May 1, 2024**. Info & assistance workshop on **April 18, 11am-1:30pm**; registration required.
- Applications solicited for [APS Innovation Fund](#) proposal, supporting collaborative research with grants up to 50K. **Deadline May 6, 2024**.
- Applications solicited for NSF [Accelerating Computing-Enabled Scientific Discovery (ACED)](#) proposals supporting cross-disciplinary research. **Deadline May 13, 2024**.
- Applications solicited for DOE [Office of Science Undergraduate Laboratory Internships (SULI)](#) awards, supporting research work at a DOE national lab. **Deadline May 22, 2024**. Info & assistance workshop on **April 16, 11am-noon**; registration required.

### Job Opportunities

- [Lecturer](#), Physics/Astronomy, UBC
- [Visiting Assistant Professor](#), Trinity College
- [Tenure Track Position](#), Toronto Metropolitan University
- [Computational Physicist/Engineer](#), Lawrence Livermore National Laboratory
Selected Publications


Anti-screening and nonequilibrium layer electric phases in graphene multilayers, M. Rudner, et al., arXiv:2402.14918.


