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Yale Physics



Weeks of December 17-30, 2023

Events

Sunday, December 17

All day **Final Examinations** - held 9:00 am, 2:00 pm, and 7:00 pm

Monday, December 18

All day **Final Examinations** - held 9:00 am, 2:00 pm, and 7:00 pm

11:00 am **AMO Seminar: *Entanglement-based test of Quantum Gravity and its Experimental Challenges***, Martine Schut, University of Groningen, SPL 51 + zoom. Host: David Moore.

Tuesday, December 19

All day **Final Examinations** - held 9:00 am, 2:00 pm, and 7:00 pm

11:00 am **Yale Quantum Institute Talk: *Precise control of spin-photon interfaces for quantum network applications***, Eva Takou, Virginia Tech, YQI Seminar Room + zoom.

Wednesday, December 20

9:00 am **Final Examinations** - end at 5:30 pm. Winter recess for students begins

Thursday, December 21

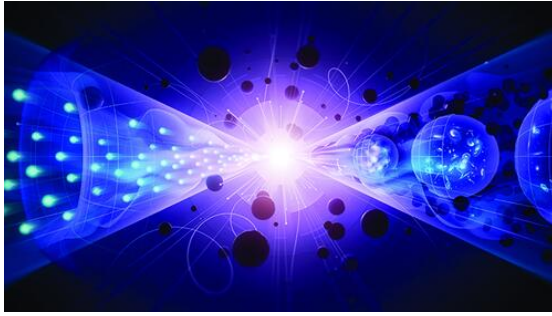
1:00 pm **Condensed Matter Theory Seminar: *Dispersion from Dynamics: A versatile tool***, Olumakinde Ogunnaike, MIT, SPL 51.

Friday, December 22

All Day **University Recess**. All physics department administrative offices are closed for Winter Recess from December 22, 2023-January 1, 2024. The offices will re-open on Tuesday, January 2.

[More events](#)

News



Yale Physics research has prominent place in U.S. plan

A high-level advisory group to the U.S. Department of Energy last week approved a new set of strategic funding priorities related to particle physics research — and Yale’s leadership aligns strongly with its goals.



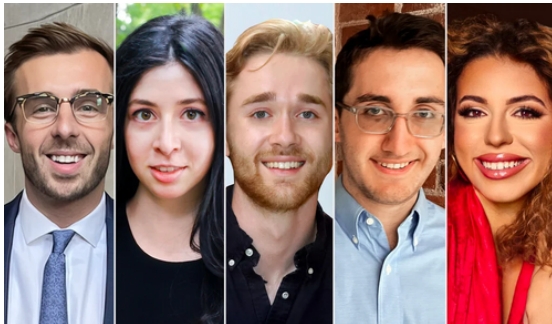
Congratulations Dr. Vlad Kurilovich

On December 8, Vlad Kurilovich successfully defended the thesis, “Criticality in Majorana wires” (advisor: Leonid Glazman).



Wright Lab research well-represented at the APS DNP 2023

From Nov. 26-Dec.1, members of the Wright Lab research community presented their research at DNP 2023 in Hawaii; the fall meeting of the Division of Nuclear Physics of the American Physical Society and the Physical Society of Japan.



Five promising leaders from Yale named 2024 Marshall Scholars

Ayelet Kalfus, YC'2024 Physics major, has been awarded a 2024 Marshall Scholarship. The prestigious Marshall Scholarships fund up to three years of graduate study in any academic topic at any university in the United Kingdom.

[More news](#)

Community



Staff Team Building

On Friday, December 8, 2023, several members of the physics department administrative staff met in Kline Tower 401 to decorate wreaths. A good time was had by all. Can you guess who goes with which wreath? The answer will be in the first issue of 2024!



Welcome Jennifer Arnone

Jennifer joined the Department of Physics on December 4, 2023, as a Senior Administrative Assistant. She comes to Yale from the world of business where she was the Executive Assistant/Director of Operations at Fix and Fashion Team at Keller Williams.

Outside of work, Jennifer is inspired daily by her family and cherishes spending time with her two boys, S.J. and Mark. In her free time, she loves preparing gourmet meals and working on DIY projects. With a passion for the outdoors, Jenn enjoys the beach, hiking, kayaking, skiing and biking

Climate and Diversity Committee News

10 Tips for Winter Wellbeing

Winter brings with it a unique set of challenges, from shorter daylight hours to colder temperatures, and more. While many people look forward to festivities and the beauty of snow-covered landscapes, it's crucial to remember the potential impacts on our wellbeing in winter. As the days get shorter and the nights grow colder, our routines, mood, and health can be affected in various ways. [Learn more.](#)

If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu.

Lost and Found

Reminder, there is a Lost and Found box in the Chair's Office. [Please check our flickr album](#) to see what has been collected over the last AY. If you have an item go missing or think you have left it behind somewhere, please check with Kirstin or Jen in the Chair's Office (SPL 34).

Outreach



From Stars to Strokes

Fifteen local high school students from Yale Pathways to Science came to Wright Lab to participate in a unique intersection of art and physics. Celín Hidalgo, Wright Lab DOE research trainee, led the students in creating multi-tiered painted “clocks of time” that represented the history of the Universe in conversation with the history of art.

COVID-19 Update

[Yale COVID-19 Information](#) - including updates on testing and vaccinations.

Opportunities

Faculty Opportunities

[Assistant, Associate, Full Professor positions](#)- Princeton University (anticipated start date September 1, 2024; application deadline **December 31, 2023**)

[Tenure Track Position - Physics](#) - Cal Poly (anticipated start September 16, 2024; application deadline **January 2, 2024**)

[Assistant Professor, Condensed Matter and Materials Theory](#) - University of California, Santa Cruz (anticipated start July 1, 2024; initial deadline **January 2, 2024** and final deadline **June 30, 2024**)

[Assistant Professor Position in Quantum Computing & Quantum Information \(Computational/Theory\)](#) - Rensselaer Polytechnic Institute (deadline **January 8, 2024**)

[2024 Simons Emmy Noether Fellowship](#) - Perimeter Institute for Theoretical Physics (application deadline **January 15, 2024**)

[Spring 2024 Awards](#) - NASA CT Space Grant Consortium (deadline **January 17, 2024**). Our campus representative is [Andrew Szymkowiak](#).

[Two tenure-track Assistant Professor positions in experimental physics](#) - Illinois Wesleyan University

[Faculty positions in experimental and theoretical physics](#) - King Fahd University of Petroleum and Minerals, Physics Department

Postdoctoral Opportunities

[Postdoctoral Fellowships in Physics and Astronomy](#) - Johns Hopkins University (deadline **February 29, 2024**)

[Postdoc Position in Theoretical Condensed Matter and Computational Biophysics](#) - UC Riverside

[Experimental Postdoctoral Position in Electron-Positron Plasmas](#) - UC Riverside

[Postdoctoral Position in the Quantum Monte Carlo Group](#) - Washington University in St. Louis

[Postdoctoral Research Position in Experimental Neutrino Physics](#) - University of Pittsburgh

Graduate Student Opportunities

[Graduate Research Fellowships - Jane Street](#) (deadline **December 17, 2023**)

[NRC Research Associateship Programs](#) - National Academies for Sciences, Engineering, Medicine (Online applications open as follows **December 1 (closes February 1)**, March 1 (closes May 1), June 1 (closes August 1), and September 1 (closes November 1))

[Stewardship Science Graduate Fellowship](#) - Department of Energy National Nuclear Security Administration (deadline **January 10, 2024**).

[Foreign Affairs Information Technology Fellowship](#) - U.S. Department of State (deadline **January 16, 2024**).

[Spring 2024 Awards](#) - NASA CT Space Grant Consortium (deadline **January 17, 2024**). Our campus representative is [Andrew Szymkowiak](#).

[Perimeter Scholars International](#)- Perimeter Institute for Theoretical Physics (deadline **February 1, 2024**)

[The Department of the Airforce Science & Technology Fellowship Program](#)

Undergraduate Student Opportunities

[Foreign Affairs Information Technology Fellowship](#) - U.S. Department of State (deadline **January 16, 2024**).

[Spring 2024 Awards](#) - NASA CT Space Grant Consortium (deadline **January 17, 2024**). Our campus representative is [Andrew Szymkowiak](#).

[Research Experience for Undergraduates](#) - The Center for Neutrino Physics, Virginia Tech (application deadline **February 15, 2024**)

[Undergraduate Research](#) - Yale School of Medicine

Meetings, Schools, Workshops, and Conferences

[CircuitQED@20](#), January 10-12, 2024 - New Haven, CT. A celebration of the 20 years of circuit quantum electrodynamics.

[Gordon Research Seminar: The Bounds of Mechanical Systems From Probes of New Physics to Hardware for Quantum Technologies](#), March 2-3, 2024 - Ventura, CA. Applications for this meeting must be submitted by **February 3, 2024**.

[Gordon Research Conference: Mechanical Systems in the Quantum Regime](#), March 3-8, 2024 - Ventura, CA. Applications for this meeting must be submitted by **February 4, 2024**.

[American Physical Society March Meeting 2024](#), March 3-8, 2024 - Minneapolis, MN. In-person and virtual. Early bird registration through January 17, 2024).

[American Physical Society April Meeting 2024](#), April 3-6, 2024 - Sacramento, CA. [Abstract submissions](#) open Monday, November 13, 2023 and will **close on January 5, 2024, at 4:00 p.m. ET**.

[American Physical Society 55th Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics](#), June 3-7, 2024 - Fort Worth, TX. Registration has yet to open.

[Undergraduate School on Experimental Quantum Information Processing](#), June 3-14, 2024 - University of Waterloo. Application deadline **January 2, 2024**.

[Boulder School for Condensed Matter and Materials Physics: Self-Organizing Matter](#), July 1-26, 2024 - University of Colorado Boulder. Application deadline **January 15, 2024**.

MCQST Summer Bachelor Program, August 3-30, 2024 - Munich, Germany. Application period
1 Nov. 2023 - 31 Jan. 2024.



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