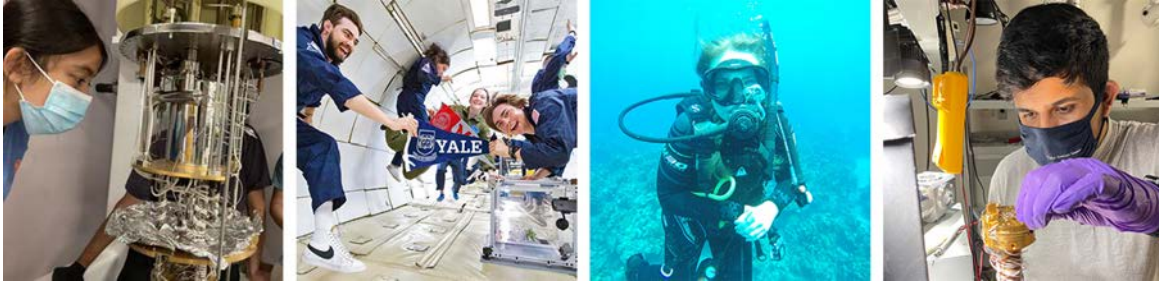


To view this email as a web page, go [here](#).

Yale Physics



Friday, May 5, 2023

Events

Thursday, May 4 - Wednesday, May 10

Varies **Final Exams, University Registrar final exam information and Physics Department Schedule**

Monday, May 8

4:00 pm **Physics Club:** *Playing with quantum toys: Atomic Newton's cradles & Archimedes' screws*, Ben Lev, Stanford University, SPL 57. Host: Nir Navon.

Wednesday, May 10

2:00 pm **AMO Seminar:** *The evolution from BCS to BEC superfluidity in metals, neutron stars, nuclei, and ultra-cold atoms: Is color superfluidity next?*, Carlos A.R. Sa de Melo, Georgia Institute of Technology, SPL 48. Host: Nir Navon.

4:00 pm **Department of Molecular, Cellular and Developmental Biology Seminar:** *High Capacity Mitochondria Power Invasion Through Basement Membrane*, David Sherwood, Duke University, Bass 305. Host: Shirin Bahmanyar. Tea before the talk.

Thursday, May 11

1:00 pm **NPA Seminar:** *The elusive QGP signatures in jet substructure observables*, Alba Soto Ontoso, CERN, WL 216. Host: Fernando Flor.

Friday, May 12

12:00 pm **YQI Seminar:** *Single electrons on solid neon: a long-coherence high-fidelity solid-state qubit platform*, Dafei Jin, University of Notre Dame, YQI Seminar Room + [zoom](#). Host: Hong Tang.

1:00 pm **NPA Seminar:** *Quantum technologies for neutrino measurements*, Wouter van de Pontseele, MIT, WL 216.

More events

News



Devoret and Moseley elected to the National Academy of Sciences

Yale physics department members, Michel Devoret and Samuel Moseley were elected to the academy, one of the highest honors bestowed on a U.S. scientist or engineer in recognition of their distinguished and continuing achievements in original research.



Wettlaufer awarded a Yale Planetary Solutions Project seed grant

John Wettlaufer, A. M. Bateman Professor of Geophysics, Professor of Mathematics, Professor of Physics, along with collaborators, was awarded a Yale Planetary Solutions Project seed grant for their work on natural carbon capture, storage, and utilization.



Richardson selected for DOE SCGSR program

Glenn Richardson, graduate student in physics with Professor David Moore, and a member of Yale's Wright Lab, has been awarded a Department of Energy (DOE) Office of Science Graduate Student Research program (SCGSR) grant from the program's 2022 Solicitation 2 cycle.

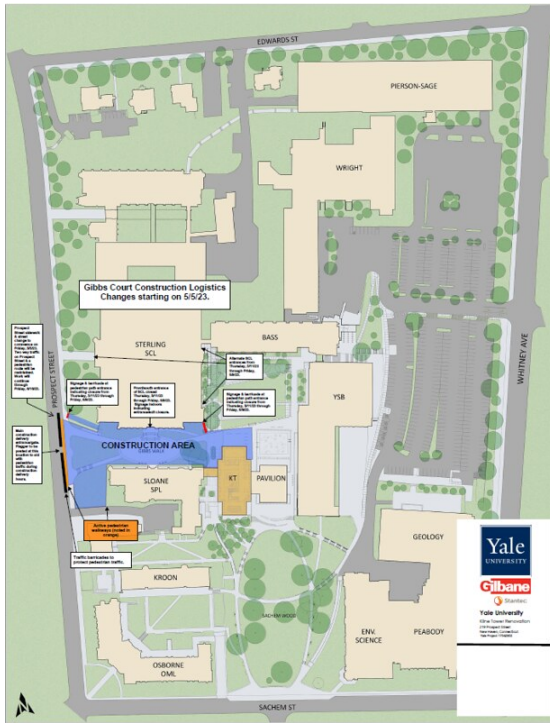


Congratulations Dr. Nemes

On April 11, 2023, Daniel Nemes successfully defended the thesis "Semi-Inclusive Measurement of the Shared Groomed Momentum Fraction of Jets in Au+Au Collisions at STAR" (advisor Helen Caines).

[More news](#)

Community



Gibbs Court Renovation Project Update

As of **Friday, 5/5/23**, part of the east side sidewalk of Prospect Street (in the area of SCL and SPL) will be closed. Two-way traffic on Prospect Street & an east side pedestrian route will be maintained. A flagger will be posted at the KT Reno & Gibbs Court Reno construction site entrance/delivery gate to aid with pedestrian traffic during construction delivery hours. **This work & closure are anticipated to finish on Friday, 6/16/23.**

As of **Thursday, 5/11/23**, the main, south entrance to SCL will be closed, as will the current pedestrian pathways from the east and west that lead to that entrance. This closure is necessary in order to implement the Gibbs Court Renovation improvements in that area. **This work & closure are anticipated to finish on Friday, 6/9/23.** Gilbane will have barricades in place, as well as signage routing pedestrians to the other SCL entrances during this timeframe.

Outreach



Upward Bound Math Science students “Explore Physics at Yale’s Wright Laboratory”

On May 4, 2023, fourteen students from Waterbury’s Upward Bound Math Science program came to Wright Lab for a half-day’s worth of activities that included a facility tour, two scientific demonstrations, a panel discussion, and a meet and greet.

Climate and Diversity Committee News

May is National Mental Health Awareness Month. If unrecognized or stigmatized, mental health issues negatively impact the wellbeing of children, families, and communities. The [Mental Health First Aid course](#) offered by [Being Well at Yale](#) runs periodically or by request and is open to students, staff, and faculty. Additional resources available to staff can be found on the [Yale Signature Benefits web page](#) and for students at [Yale Health Mental Health Options for Students](#). [Extend a helping hand](#), is an article on the "It's Your Yale" page about how the Mental Health First Aid Course helps.

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

From the desk of Kayleigh Bohemier, Science Librarian



Happy (academic) summer and welcome to any new department members! If you are joining the department this summer or if you will have new/visiting researchers in your lab, please let them know about this library resource for new affiliates: *Orienting Yourself: What New-to-Yale Researchers Need to Get Started* – <https://guides.library.yale.edu/new-in-astro-geo-or-physics>

If you are hosting a temporary researcher who needs access to Yale Library materials (especially digital ones!!), while setting up their sponsored identity, please confirm with Ask Yale that their netID comes with Yale Library privileges. Information about privileges is available on this page (<https://library.yale.edu/find-request-and-use/use/using-library-collections>) and you can send inquiries to askyalelibrary@yale.edu.

COVID-19 update

[Yale COVID-19 Information](#) - click here for updated information.

Opportunities

Faculty Positions

[Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics](#) - Yale University

[Assistant/Associate/Full Professor, Experimental Quantum Science](#) - Yale University

[Faculty and Associate Faculty Positions](#) - Perimeter Institute

[Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **June 30, 2023**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Experimental Quantum Information Science](#) - NYU (anticipated start date of **Sept. 1, 2023**)

Research Scientist Positions

[Research Scientists \(CHORD radio telescope\) 5 Year Term](#) - Perimeter Institute

Postdoctoral Positions

[Postdoctoral Associate Position in Theoretical Physics](#) - Yale University

Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

[Positions for postdocs and graduate students affected by the war in Ukraine](#) - Perimeter Institute

[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))

Undergraduate Research

Research Assistant - Yale School of Medicine (contact [Navin Kumar](#) for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

[Physics REU: Interactions of Matter, Light & Learning](#) - Kansas State University (applications open December 2022, program dates May 29-August 4, 2023)

Summer Undergraduate Research Assistant Position in [Data Science & Mathematical Biology](#) - Purdue University, Ft. Wayne, Interested candidates should submit: (i) an up-to-date CV/resume, (ii) two reference letters, and (iii) a letter of interest to Prof. Selvitella at aselvite@pfw.edu (application deadline **May 15, 2023**)

Meetings, Schools, Workshops, and Conferences

[XVIII International Conference on Topics in Astroparticle and Underground Physics 2023](#), August 28-September 1, 2023 - University of Vienna, [conference fees and registration](#) (early fee deadline **July 1, 2023**; full fee deadline **August 15, 2023**). *Note: David Moore is an invited speaker.*

[Young Astronomers on Galactic Nuclei](#) - Istituto di Astrofisica Spaziale e Fisica Cosmica, October 18-20, 2023, [apply here](#) (application deadline **May 31, 2023**)

Grants, Fellowships and Scholarships

Graduate

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

[PhD Fellowship in Experimental Quantum Matter](#) - Center for Quantum Devices (QDev) @ Niels Bohr Institute (deadline **May 7, 2023** with expected start date of September 1, 2023)



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For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#). Alumni can add/update their information by [clicking here](#).

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