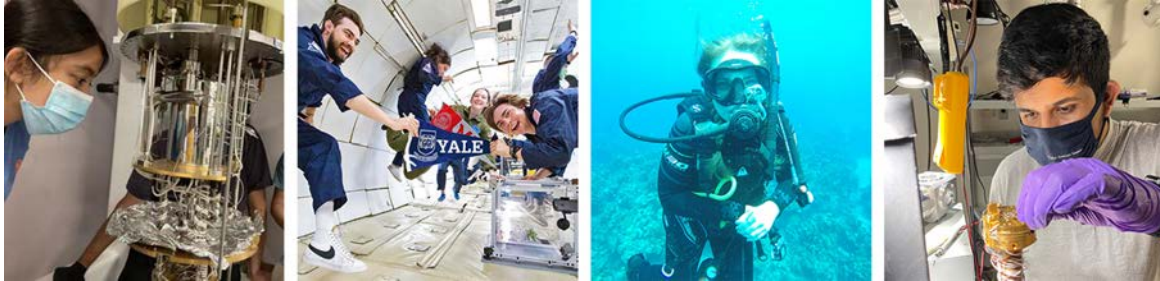


To view this email as a web page, go [here](#).

Yale Physics



Friday, September 30, 2022

Events

Monday, October 3

- 4:00 pm **Physics Club:** *No Physics Club this week*
- 4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Going against the tide: a novel RNA element protects against viral-induced RNA decay*, Mandy Muller, University of Massachusetts, Amherst, Bass 305.
- 4:00 pm **Department of Chemistry Event:** *2020 Kirkwood Award Ceremony - John F. Hartwig*. On October 3, Yale University Department of Chemistry and the American Chemical Society New Haven Local Section will honor John F. Hartwig, Professor of Chemistry and Henry Rapoport Chair in Organic Chemistry, University of California, Berkeley, as the 2020 recipient of the John Gamble Kirkwood Award. The award, presented biennially “for outstanding contributions to the field of chemistry,” honors the late Professor John Gamble Kirkwood, former Sterling Professor of Chemistry and chair of the Department at Yale, SCL 160.

Tuesday, October 4

- 12:00 pm **WIDG Seminar:** *A Search for Solar Axions with CUORE*, Samantha Pagan, Yale University, WL 216. Host: Sophia Hollick.
- 4:00 pm **Particle Theory Seminar:** *What is the $i\epsilon$ for the S-matrix?*, Hofie Hannesdottir, Institute for Advanced Study, SPL 51. Host: Bianka Mecaj.

Wednesday, October 5

- 12:00 pm **Computer Science/Yale Quantum Institute Colloquium:** *Mind the Gap: Challenges and Opportunities in Closing the Algorithms-to-Devices Gap in Quantum Computing*, Margaret Martonosi, Princeton University, YQI Seminar Room + [zoom](#).
- 2:30 pm **Mechanical Engineering and Materials Science Seminar:** *Tuning colloidal interactions in foams and suspensions*, Anirudha Banerjee, Dow Chemical Company, ML 107. Host: Amir Pahlavan.

- 4:00 pm **Molecular, Cellular and Developmental Biology Seminar:** *RNA methylation in gene expression regulation*, Chuan He, University of Chicago/HHMI, Bass 305. Host: Anna Pyle. Tea at 3:45pm.
- 4:15 pm **Mathematics Colloquium:** *Majority dynamics on sparse random graphs*, Jeong Han Kim, KIAS, LOM 206.

Thursday, October 6

- 1:00 pm **Nuclear Particle Astrophysics Seminar:** *Matter at Extreme Densities*, Veronica Dexheimer, Kent State University, WL 216. Host: Fernando Flor.
- 1:00 pm **Condensed Matter Theory Seminar:** *InAs-Al Hybrid Devices Passing the Topological Gap Protocol*, Roman Lutchyn, Microsoft Quantum, SPL 63. Host: Meng Cheng.
- 2:30 pm **Yale Astronomy Colloquium:** *Black holes and revelations: unseen companions in stellar binaries*, Kareem El Badry, Harvard/Smithsonian Center for Astrophysics, WTS A-51.

Friday, October 7

- 11:00 am **Wright Lab Event:** *The Elusives Journal Club*, Members in the departments of physics and astronomy who work on dark matter and neutrino-related fields are invited to get together to discuss papers related to their field., WL 216. Email [Jorge Torres](mailto:Jorge.Torres@yale.edu) for zoom connection information.
- 2:00 pm **Dissertation Defense:** *Energy Dissipation Bounds in Fundamental Biological Processes*, Samuel Bryant, Yale University, SPL 57. Thesis advisor: Ben Machta.

[More events](#)

News



Welcome Isaac Mooney Postdoctoral Associate

Welcome to Isaac Mooney who comes to us as a postdoctoral associate from Wayne State University. He is working with Helen Caines and John Harris on the STAR experiment as part of the Relativistic Heavy Ion Collider group.



Bread, backpacks, and bosons — a summer at CERN

Yale undergraduate seniors Caitlin Gainey, Dawson Thomas, Matthew Murphy, and Alexandra Haslund-Gourley spent their 2022 summer vacation conducting critical research at one of the world's most important physics hubs — the Large Hadron Collider at CERN (the European Organization for Nuclear Research), located just outside Geneva, Switzerland.

Yale Physics celebrates Postdoc

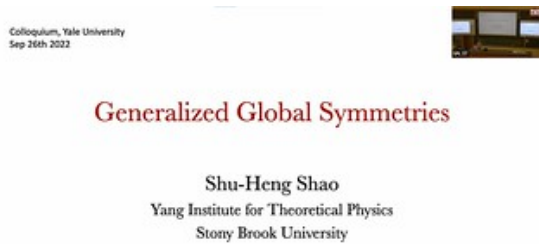


Appreciation Week

September 19-23rd is National Postdoc Appreciation Week (NPAW), sponsored nationally by the National Postdoctoral Association and locally by the Yale Postdoctoral Association and the Yale Black Postdoctoral Association. NPAW is a time to recognize the efforts and contributions made by postdoctoral scholars.

[More news](#)

Social Media This week



Physics Club Video on YouTube

The September 26, 2022 Physics Club was presented by Shu-Heng Shao of Stony Brook University on "Generalized Global Symmetries".

See <https://youtu.be/6V4hDILtAdQ> for the video and further information.

Community



Women in Physics Fall Brunch

Last Sunday, Yale Women in Physics (WiP) enjoyed brunch at Yale Physics professor Reina Maruyama's house. WiP is an undergraduate organization that seeks to promote gender equality in STEM, especially in the physical sciences.

Climate and Diversity News

If you are interested in getting involved in the APS-IDEA team, I invite you to be added to the APS-IDEA Yale team mailing list, please email [Rona Ramos](#). You are welcome to join even if you feel you can't fully commit to the group but would still like to hear what the group is up to. You can read more about the [APS-IDEA network](#) here and about our [local group](#) here.

This year, the APS-IDEA network will host and facilitate monthly discussions on specific DEI topics. Teams in the network will choose and focus on a single topic throughout the year. The purpose is to gain a deeper understanding and make substantial progress and impact in a specific area or project. Some of the proposed topics are:

- Building Inclusive Academic Environments to Promote Student Wellbeing
- Inclusive Recruitment & Hiring
- Navigating Burnout: Making Informed Decisions on Maximizing Your Engagement Capacity
- Assessing & Documenting Progress of EDI Efforts

- Building Safe Spaces
- Understanding Status Quo Science Culture

If interested in joining APS-IDEA, please contact Rona Ramos, Co-Chair of the Yale APS-IDEA team. You may contact the whole committee at Physics-APS-IDEA@mailman.yale.edu

COVID-19 update

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

Opportunities

Faculty Positions

[Asst./Assoc./Full Professor in Experimental Quantum Science](#) - Yale University

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

[Assistant Professor in Biological Physics](#) - Yale University

[Assistant Professor in Experimental Nuclear Physics](#) - Yale University

[Assistant Professor in Astrophysics & Cosmology](#) - Yale University

[Assistant Professor of Physics, Tenure track](#) - The College of Wooster

[Assistant Professor in Experimental Particle Physics](#) - University of Pennsylvania

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

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

[Assistant Professor Position in Quantum Condensed Matter and Atomic Molecular and Optical Physics](#) - NYU (review of applications will begin **November 1, 2022**)

[Assistant Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **December 31, 2022**, anticipated start date of July 1, 2023)

[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 of Physics](#) - University of Oregon (application deadline **October 15, 2022**)

[Assistant Professor, Department of Physics and Astronomy](#) - University of California, Davis (application deadline **November 18, 2022**, anticipated start date of July 1, 2023)

[Assistant/Associate Professor, Physics](#) - Hope College (deadline **December 31, 2022**)

[Tenure-Track Assistant Professor in Biophysics](#) - Johns Hopkins University (deadline **October 20, 2022**, anticipated start date of July 1, 2023)

[Cluster hire in Quantum Information, Materials, Sensors, and their Applications](#) - Washington University in St. Louis (deadline **November 14, 2022**)

Research Scientist Positions

[Research Scientist, Relativistic Heavy-Ion Research Group](#) - Yale University

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

Postdoctoral Positions

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

[Postdoc position in research and science communication](#) - Yale University (application deadline **October 1, 2022**)

[Postdoctoral Research Associate - Experimental Nuclear/Particle Physics](#) (multiple positions) @ UMass Amherst

[Prize postdoctoral fellowship at Johns Hopkins Physics and Astronomy](#) - Johns Hopkins University (application open through **February 8, 2023**, consideration of applications will begin on November 1, 2022)

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

[Postdoctoral Scholar position in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **December 1, 2022**)

[2023 Postdoctoral Fellowship](#) - Perimeter Institute (deadline **November 8, 2022**)

[Dicke Fellow - Associate Research Scholar](#) - Princeton University (deadline **October 21, 2022**)

[Postdoctoral Prize Fellowship and Positions, Galaxies and Cosmology](#) - Max Planck Institute for Astronomy (MPIA) in Heidelberg (deadline **November 23, 2022**)

PhD Position

[PhD Positions in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **January 4, 2023**)

Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

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

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)

[Spring 2023 Undergraduate Internships](#) - DOE Office of Science (applications due **October 5**)

Graduate Student and Postdoc Schools, Workshops, and Conferences

[Quantum Gravity Around the Corner](#), October 3-7, 2022 - Perimeter Institute

[NASA Science Mission Design Schools](#) - NASA Jet Propulsion Laboratory (deadline **September 28**, for the Astrophysics Mission Design School 2023)

[iid2022: Statistical Methods for Event Data](#), November 15-19, 2022 - University of Alabama in Huntsville

[Go Beyond: Postdoc Preview](#), October 28-30, 2022 - University of Notre Dame

[Quantum Creators Prize Symposium 2022](#), November 14-15, 2022 - The Chicago Quantum Exchange and the University of Chicago

Grants

[NASA CT Space Grant Consortium](#) (deadline **October 13, 2022**)



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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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