Friday, April 22, 2022

Events

Monday, April 25

12:00 pm  **APS Physical Review Journal Club:**  *Coherent Scattering of Low Mass Dark Matter from Optically Trapped Sensors*, Gadi Afek (Yale), Daniel Carney (LBNL), and David C. Moore (Yale), moderated by Rafael Lang, Purdue University. Register for the live event.

4:00 pm  **Physics Club:**  *The Thermal Physics of “Empty” Space*, Berndt Müller, Duke University & Yale University, SPL 59 and zoom (passcode: 863491). Host: Helen Caines.

4:00 pm  **Department of Chemistry Silliman Lecture:**  *Copper-dependent biological methane oxidation*, Amy C. Rosenzweig, Northwestern University, SCL 160 and livestream.

Tuesday, April 26

12:00 pm  **Astronomy x Data Science Seminar:**  *Why, How and When to Visualize Your Research Results*, Aaron Geller, Northwestern University, 46 Hillhouse conference room or zoom.

2:00 pm  **Yale Exoplanets and Stars Seminar:**  *Radio stars and exoplanets at low-frequencies: First detections*, Joe Callingham, Leiden, WTS A-1 or zoom.

3:00 pm  **Inaugural Symposium on Increasing Human Potential:**  *Space Exploration*, James Green and Tara Ruttley, NASA, YSB O.C. Marsh Lecture Hall. Reception to follow.

Wednesday, April 27

1:00 pm  **Yale Systems Biology Institute Seminar:**  *Energetic Constraints on Biological Assembly and Motion*, Michael Murrell, Yale University, West Campus Conference Center, Event Room A. Please contact Benita Palmer for zoom link.

4:00 pm  **Earth & Planetary Sciences Colloquium:**  *Understanding the causes and consequences of mass extinction events*, Courtney Sprain, University of Florida, KGL 123.

4:15 pm  **Mathematics Colloquium:**  *Quantum States in Random Environments*, David
Thursday, April 28

1:00 pm  **Condensed Matter Theory Seminar:** *Topological order and long-range entanglement from measuring SPT phases: from theory to quantum devices,* Nathanan Tantivasadakarn, Harvard University, SPL 51. Host: Meng Cheng.

4:00 pm  **Department of Chemistry Physical Chemistry Seminar:** *Title TBA*, Naomi Ginsberg, University of California Berkeley, SCL.

1:00 pm  **Nuclear Particle Astrophysics (NPA) Seminar:** *Azimuthal Angular Asymmetry of Soft Gluons in Jet Production*, Yoshitaka Hatta, Brookhaven National Laboratory, WL 216. Host: Laura Havener.

2:30 pm  **Yale Astronomy Virtual Colloquium:** *Title TBA*, Ann Hornschemeier, NASA, contact the Astronomy department for connection information.

4:00 pm  **Department of Chemistry Silliman Lecture:** *Molecular Materials for Electrocatalysis and Solar Photochemistry*, Gary F. Moore, Arizona State University, SCL 160 and livestream.

4:00 pm  **The Dwight H. Terry Lectureship:** *Ethics of Knowledge-Making: Race, Genomics, and Society*, Dr. Charmaine Royal, Duke University, YSB O.C. Marsh Lecture Hall and on YouTube. Reception to follow.

7:00 pm  **Yale Science and Engineering Association Spring Into Books 2022:** *Physics: Energy in the Environment*, Dr. Alvin Saperstein ’56 PhD, Wayne State University, zoom. [Click here to register.](#)

Friday, April 29

12:00 pm  **Computer Science/Yale Quantum Institute Colloquium:** *Toward Applications and Toolchains of Analog Quantum Computing*, Xiaodi Wu, University of Maryland, YQI Seminar Room + zoom (Yale login required).

More events

### News

**Kimmy Cushman wins P.E.O. Scholar Award**

Kimmy Cushman, graduate student with George Fleming, has won a P.E.O. Scholar Award.

The P.E.O. Scholar Awards was established in 1991 to provide substantial merit-based awards for women of the U.S. and Canada who are pursuing a doctoral-level degree at an accredited college or university.

**John Harris on ESPN**

John Harris, D. Allan Bromley Professor Emeritus of Physics, was featured in a segment for ESPN that aired on ABC on April 9, 2022 at the beginning of the broadcast of a National Hockey League game between the
Andrew Jayich receives two prestigious honors

Andrew Jayich (Ph.D.’12 with Jack Harris) has been recognized with two prestigious honors: a National Science Foundation (NSF) CAREER award on Rotational Cooling of Radioactive Molecules, as well as an award from the W. M. Keck Foundation.

Community

Climate and Diversity Committee News

Earth Week 2022 kicks off at Yale today!

Visit the Earth Week website for a calendar of events including lectures, nature walks, and celebrations; educational explainers on topics like composting and ocean acidification; sustainability news from across campus; and ways you can take action.

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

COVID-19 update

Yale COVID-19 Information
Yale COVID-19 Statistics
COVID-19 Workplace Guidance
Yale College COVID-19 Announcements and FAQs
Yale Physics COVID-19 site
Current COVID-19 status is Yellow

Opportunities

Faculty Positions

Visiting Assistant Professor in Physics (2 positions) - Illinois Wesleyan University
Asst. Prof. in Experimental Particle Physics position - UPenn
Assistant Professor of Physics, Tenure track - The College of Wooster
Junior Faculty Search in Fundamental symmetries (experiment), broadly defined - UC Berkeley

Assistant Professor in Experimental Particle Physics - University of Pennsylvania

Physics Faculty Position - CSU San Bernardino

Full-Time Lecturer Position in Physics - University of Massachusetts, Dartmouth College of Engineering

Physics Clinical Assistant Professor Position - NYU

Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics - Yale University

Faculty and Associate Faculty Positions - Perimeter Institute

Assistant Professor in Biophysics - University of North Texas in Denton

Assistant Professor or Associate Professor in Photonics - University of North Texas in Denton

Assistant Professor in Energy - University of North Texas in Denton

Postdoctoral Positions

2022 Perimeter Scholars International Fellowship - Perimeter Institute for Theoretical Physics (deadline Apr. 15, 2022)

Air Force Science & Technology Fellowships (rolling deadlines Feb 1, May 1, Aug 1, Nov 1)

Postdoctoral Associate Position in Theoretical Physics - Yale University

Product Development Engineer - Hyperlight

Integrated Photonics Research Scientist - Hyperlight

Lab Positions

Lab Director, Undergraduate Quantum Education Laboratory - the University of Chicago

Graduate Student and Postdoc Research

PhD position on JWST high-z galaxy studies - University of Groningen (deadline Apr. 11, 2022)

Experimental-Physics Education Specialist - Scripps College

Dudley Observatory Astronomer - Siena College

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 2022 Undergraduate Internships - DOE Office of Science

Scholarship Opportunities

Laura Bassi Scholarship - Editing Press (deadline July 27, 2022 (Summer 2022))
Grant Opportunities

Research Grants - OPRA Association for Advancement of Research in Nuclear & Particle Physics (Deadline Apr. 14, 2022)

Summer Schools

Advanced Cyperinfrastructure Training for Modeling Physical Systems at Rensselaer Polytechnic Institute - Boot Camp: June 15-17, 2022 & Summer School: June 20-July 8, 2022 (deadline May 15, 2022)