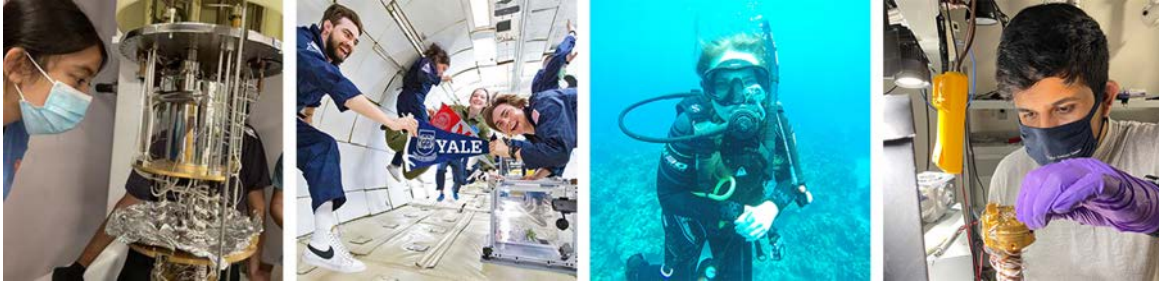


To view this email as a web page, go [here](#).

Yale Physics



Friday, October 14, 2022

Events

Monday, October 17

- 4:00 pm **Physics Club:** *What Can Galactic Gamma Rays Tell Us About Dark Matter?*, Tracy Slatyer, MIT, SPL 57. Host: Ian Moulton.
- 4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Understanding transcription regulation through transcriptomics and biochemical reconstitution*, Dr. Dylan Taatjes, University of Colorado, HOPE 110. Host: Karla Neugebauer.
- 4:00 pm **C-GEM Research Seminar:** *Synthetic Biology in Yeast*, Chang C. Liu, University of California, Irvine & James Van Deventer, Tufts University, via Zoom. Host: NSF Center for Genetically Encoded Materials.

Tuesday, October 18

- 12:00 pm **WIDG Seminar:** *Searching for the Majorana Nature of the Neutrino with nEXO*, Glenn Richardson, Yale University, WL 216. Host: Sophia Hollick.

Wednesday, October 19

- 6:00 pm **Nucleate New Haven:** *Activator Program Info Session*, Join us for an hour long informational session with Nucleate leadership at 6:00PM on October 19th. Want to learn more about Nucleate, or the activator program? Have questions about your activator application? We will be available to answer your questions! in SHML 112A.

Friday, October 21

- 7:00 pm **Nucleate New Haven:** *Biotech Social Hour @ Gryphon's Pub*, Join us at Gryphon's Pub at 7:00PM on the third Friday of the month for a casual community social, and meet other entrepreneurial students! Limited drinks tickets will be available. This event is co-hosted by YBC!

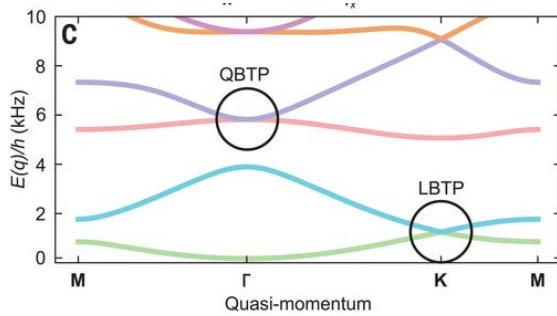
[More events](#)

News



Yale at PhysCon 2022

Six undergraduates from the Physics Department including Society of Physics Students (SPS) and Women in Physics members traveled to the 2022 Physics Congress (PhysCon) in Washington, D.C. The Physics Congress brings together physics students, alumni, and faculty members for three days of frontier physics, interactive professional development workshops, and networking.

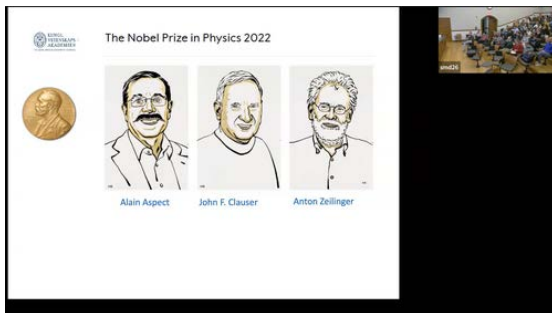


Yale News Insights and Outcomes: Looking for quantum potholes

In a new study in the journal Science, incoming Yale assistant professor of physics Charles D. Brown II and his collaborators found a new approach for probing certain types of quantum singularities.

More news

Social Media This week



Nobel Prize in Physics Lecture Video on YouTube

On October 12, 2022 the Physics Department held the first Nobel Prize in Physics Lecture aimed at undergraduates to explain the science behind the prize. See <https://youtu.be/kfTOAeZVgVY> for the video and <https://tinyurl.com/mf4n4nxe> for lecture background.

Community



Quantum Steampunk Short Story!

The Maryland Quantum-Thermodynamics Hub is hosting a Quantum Steampunk Short-Story Contest! You have until January 15, 2023 to write and submit a short story in a steampunk style—including, but not limited to, taking place during the 1800s (and, if desired,

some time in the future); and involving at least one real or imagined quantum technology.

Climate and Diversity Committee News

#BlackInPhysicsWeek2022 will be held from October 24, 2022 - October 28 2022, offering five days that cover different aspects of physics. For more information, see <https://www.blackinphysics.org/> and register for events here: <https://linktr.ee/blackinphysicsweek2022> Please also follow our Twitter account @BlackInPhysics.

The #BlackInPhysics Week organizers aim not only to celebrate Black physicists and our contributions to the scientific community, but also to reveal a more complete picture of what a physicist looks like. We seek to strengthen intergenerational connections between physicists in the #BlackandSTEM community, encourage long-lasting collaborations, and further push for the development of supportive environments where current and future Black physicists can thrive. In these ways, we believe we can improve the human condition via engaging communication of physics research, and by inspiring future Black physicists across the world. Because so many non-scientists will have opportunities to interact - and have dialogue - with scientists, we anticipate that our week will have the added benefit of improving general science literacy.

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 - [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

[Tenure-Track Assistant Professor in Biophysics](#) - Johns Hopkins University (deadline **October 20, 2022**, anticipated start date of July 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 in Theoretical Physics](#) - University of California, Berkeley (Deadline **November 11, 2022**)

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

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

[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 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

[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**)

[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)

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 Insitute

[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)

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

Graduate Student and Postdoc Schools, Workshops, and Conferences

[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

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

Grants & Fellowships

Faculty

[Wilson Fellowship](#) - Fermilab (Deadline **November 4, 2022**)

Graduate

Chair/Faculty may nominate up to 3 PhD students for each of the PhD Fellowship programs from your department.

[2023 Two Sigma PhD Fellowship](#) (Deadline **November 4, 2022**)

[2023 Two Sigma Diversity PhD Fellowship](#) (Deadline **November 4, 2022**)

Undergraduate

There are two ways to submit the application: either a faculty/staff member from their department can submit on their behalf or the student can apply directly.

[2023 Two Sigma Undergraduate Scholarship](#) (Deadline **November 4, 2022**)

[2023 Two Sigma Diversity Undergraduate Scholarship](#) (Deadline **November 4, 2022**)



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

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