

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

Yale Physics



Friday, November 12, 2021

Events

Monday, November 15

4:00 pm **Physics Club:** *Old Divisions and New Realms: Physics Across Borders*, Yangyang Cheng, Paul Tsai China Center, Yale Law School, [zoom](#), passcode: 008008. Host: Sarah Demers.

Wednesday, November 17

10:30 am **Condensed Matter Theory Seminar:** *Topological gauge theory for mixed Dirac stationary states in all dimensions*, Zemin Huang, University of Illinois Urbana-Champaign, [zoom](#). Host: Meng Cheng. [Sign up for virtual meetings with the speaker.](#)

2:30 pm **Mechanical Engineering and Materials Science Seminar:** *The light stuff: sculpting photons at the molecular-scale for sustainability*, Jennifer Dionne, Stanford University, contact department for zoom information.

3:30 pm **Earth & Planetary Sciences Colloquium:** *Molecular approaches to understanding Pliocene subtropical hydroclimate*, Tripti Bhattacharya, Syracuse University, contact department for zoom information.

4:00 pm **Molecular, Cellular and Developmental Biology Seminar:** *Title to be announced*, Petra Levin, Washington University in St. Louis, contact department for zoom information. Hosts: Vivian Irish and Andy Goodman.

4:15 pm **Mathematics Colloquium:** *Title to be announced*, Vesselin Dimitrov, University of Toronto, contact department for zoom information.

Thursday, November 18

1:00 pm **Nuclear Particle Astrophysics Seminar:** *Exotic Hadrons at BESIII*, Nils Huesken, Indiana University, [zoom](#), passcode: 441777. Host: Michael Jewell.

2:30 pm **Yale Astronomy Virtual Colloquium:** *title TBA*, Ralf Klessen, Heidelberg University, contact department for zoom information.

Friday, November 19

11:00 am **Yale Quantum Institute Quantum Sound at ISQCMC:** *Quantum Sound: A Live Performance of Superconducting Instruments*, Spencer Topel, Luke Burkhart,

and Kyle Serniak, Yale University, [Visit the ISQCMC website for more information and registration.](#)

- 12:00 pm **Yale Quantum Institute Colloquium: *Engineering quantum processors and quantum networks atom-by-atom***, Hannes Bernien, University of Chicago, [Livestream the event here.](#) Host: Steven Girvin.
- 2:00 pm **Yale Quantum Institute Quantum Sound at ISQCMC: *Quantum Sound: A Live Performance of Superconducting Instruments***, Spencer Topel, Luke Burkhardt, and Kyle Serniak, Yale University, [Visit the ISQCMC website for more information and registration.](#)
- 3:00 pm **The Franke Program in Science and the Humanities and the John Templeton Foundation - Understanding the Nature of Inference: Correlation and Causation: *Bias in Algorithms***, Nisheeth Vishnoi, Yale University, [Register in advance for this webinar and the post-talk conversation.](#)

[More events](#)

News



Physics Challenge for students!

Congratulations to Kangle Cai of Physics for solving our October Physics Challenge Puzzle! A variation of a book cipher, that requires solving multiple small puzzles to find the key. Once solved, it asks the participant to do a Gibbs free energy problem. Click [here](#) to view the challenge with the solution. The November Challenge is already up in SPL and SCL, so go and decode the blinking light **if you dare**.



David Stewart successfully defends thesis

On November 12, 2021, David Stewart successfully defended the thesis: "Jet to Event Activity Correlations in Small System Collisions at STAR". (Advisor: Helen Caines)



Gladney and Speller publish essays on burnout

Yale Physics professor Larry Gladney and former Yale Physics postdoc Danielle Speller have contributed to a series of essays on burnout written by Black physicists and co-published with Physics Today as part of #BlackInPhysics week 2021.

Alumni Charles Brown and Grace



Pan selected as winners of the Quantum Creators Prize from the University of Chicago

Charles D. Brown II and Grace Pan were selected as winners of the inaugural Quantum Creators prize from the University of Chicago. They both presented talks at a symposium September 29-30, 2021.

[More news](#)

Community

Climate and Diversity Committee News

Every year, several weeks in November are Trans/gender Awareness Weeks at Yale. During these weeks, we have guest speakers, film screenings, relaxation events, performances, and more. Explore this year's events and lineups from previous years [here](#).

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 Green

Opportunities

Faculty positions

[Faculty Position in Experimental Particle Physics](#) - University of California, Davis (Deadline Nov. 15, 2021)

[Faculty Position in Experimental or Theoretical Physics](#) - Caltech (Deadline Nov. 15, 2021)

[Tenure-track faculty position for an Assistant Professor in Nuclear Astrophysics/Fundamental Symmetries Theory](#) - UC Berkeley and Lawrence Berkeley National Laboratory (deadline Nov. 19, 2021)

[Faculty Opening in Astromaterials, Solar System, and Planetary System Formation](#) - Washington University in St. Louis (Deadline Nov. 24, 2021)

[Assistant Professor in Gravitational Wave Experiments](#) - University of California, Berkeley (Deadline Nov. 26, 2021)

[Tenure-Track Position in Experimental Soft Matter and Biological Physics](#) - Brown University (deadline Dec. 31, 2021)

[Assistant Professor of Physics](#) at Le Moyne College (Deadline Dec. 31, 2021)

[Tenure-track assistant professor position](#) - Princeton University (Deadline Dec. 31, 2021)

[Assistant Professor, Physics Department](#) - Drexel University (Deadline Jan. 31, 2022)

[Asst. Prof. in Experimental Particle Physics position](#) - UPenn (Deadline until filled)

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

[Junior Faculty Search in Fundamental symmetries \(experiment\), broadly defined](#) - UC Berkeley (Deadline until filled)

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

[Physics Faculty Position](#) - CSU San Bernardino (Deadline until filled)

[Physics Clinical Assistant Professor Position](#) - NYU (Deadline until filled)

[Tenure-track faculty position in theoretical particle physics](#) - Perimeter Institute (Deadline Dec. 17, 2021 or until filled)

[Faculty and Associate Faculty Positions](#) - Perimeter Institute (no deadline)

Postdoctoral positions

[University of Chicago Fellowship Opportunities:](#)

- Kadanoff Fellowship in Theoretical Physics ([Webpage](#): Deadline Nov. 15, 2021)
- KICP Fellowship in Cosmological Physics ([Webpage](#): Deadline Nov. 15, 2021)
- [Air Force Science & Technology Fellowships](#) (Rolling deadlines **Feb 1**, May 1, Aug 1, Nov 1)

[Yale Postdoctoral Fellowship in Quantum Information Theory](#) - Yale University (Deadline Feb. 1, 2022)

Postdoctoral Research Associate in Neutrino Physics - Brookhaven National Lab: Two ways to apply [1] [Inspire](#) or [2] [BNL-jobs](#)

Graduate student and Postdoc Research

[Perimeter Scholars program](#) - Perimeter Institute (Deadlines **Dec. 1, 2021** for early consideration and Feb. 1, 2022 for final consideration)

[Wilson Fellowship](#) - Fermilab (Deadline Nov 19, 2021)

[Experimental-Physics Education Specialist](#) - Scripps College (no deadline)

Undergraduate Research

[Undergraduate School on Experimental Quantum Information Processing](#) (two-week introduction) or [Undergraduate Research award](#) (all summer)- The University of Waterloo (Deadline Jan 4, 2022)

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

Grant Opportunities

[Seed Grant Opportunity](#) - Yale Women Faculty Forum (deadline Feb. 15)

Fellowship Opportunities

Science Policy Fellowships: [Congressional Fellowship](#) (deadline Dec. 1, 2021) - AIP



[Visit our Website](#) | [Contact Us](#) | [Physics Flickr](#)

For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#).

This email was sent by: Yale University
P.O. BOX 208109, New Haven, CT, 06520-8279 US

[Unsubscribe from this Mailing List](#)

[Update Your Preferences](#) **[Privacy Policy](#)**