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Yale Physics

Friday, December 16, 2022

Events

Saturday, December 17 - Wednesday, December 21

All day **Final Exam Week:** *Fall 2022: Physics Department Exams* and the Fall 2022: Yale College Exam schedule (look under "Final Exam Locations" on the linked page.

Monday, December 19

2:00 pm **James Mossman Seminar:** *Dynamic Coexistence in Microbial Ecosystems*, Avaneesh Narla, University of California at San Diego, via Zoom. Host: Walter Goldberger.

Tuesday, December 20

10:00 am **James Mossman Seminar:** *Variational Quantum Algorithms and Entanglement Learning*, Christian Kokail, IQOQI Innsbruck/ University of Innsbruck, via Zoom. Host: Walter Goldberger.

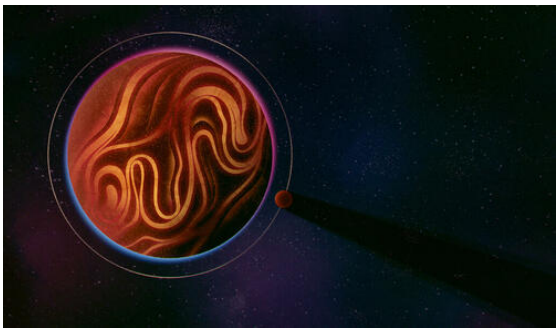
1:00 pm **Condensed Matter Theory Seminar:** *Flavor Symmetry Breaking and Superconductivity in Graphene Multilayers*, Nemin Wei, University of Texas at Austin, SPL 63. Host: Meng Cheng.

Wednesday, December 21 - January 16, 2023

All day **Winter Recess - enjoy the break!**

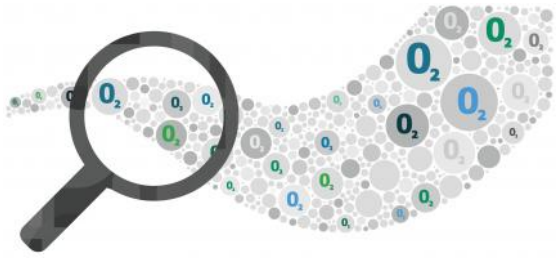
More events

News



Astronomy's Debra Fisher in Yale News

A piece of Yale-developed technology has helped astronomers follow the fiery trail of the so-called “hell planet,” an exoplanet located 40 light years from Earth and nicknamed for its extremely close orbit to its sun. Yale physics co-authors of the study are **Andrew Szymkowiak** and **Sam Weiss**.



Andre Levchenko in SEAS news

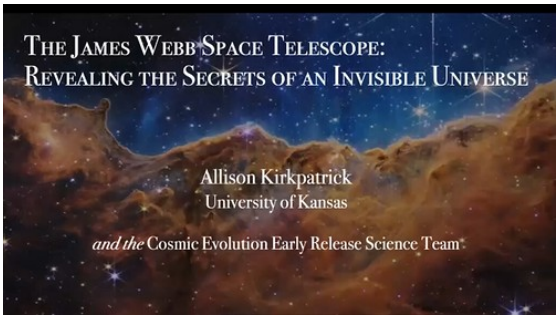
Yale researchers have made a discovery that changes conventional thinking about the role that oxygen plays in the growth of tumors—an area of cancer research that has been intensely studied in recent years. The results, from the lab of Andre Levchenko, the John C. Malone Professor of Biomedical Engineering, are published in Cell Systems

In Memoriam: William Charles Turner

William (Bill) Charles Turner died April 10. He was 79. He earned his PhD in 1973 with a thesis titled, “Muon Polarization in the Decay KoL-> pi- mu+ numu, An Experimental Test of Time Reversal Invariance” with Jack Sandweiss and William Willis as his advisors.

More news

Social Media This week



Physics Club on YouTube

The December 5, 2022, Physics Club was presented by Alison Kirkpatrick from the University of Kansas on "The James Webb Space Telescope: Revealing the Secrets of an Invisible Universe".
See https://youtu.be/SpNMCvf6c9c for video and further information. This was the final Physics Club for Fall 2022.

Community

Climate and Diversity Committee News

From Yale Physics & Wright Lab, happy holidays and have a nice winter break!

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, Applied Physics (Quantum Information Theory) - Yale University (due date December 1, 2022, anticipated start date July 1, 2023)

Assistant Professor, Applied Physics (Experimental Condensed Matter Physics/Materials Science) - Yale University (due date January 3, 2023, anticipated start date July 1, 2023)

Faculty and Associate Faculty Positions - Perimeter Institute

Faculty Position in Experimental Physics - Princeton University (application deadline **November 18, 2022** or until position is filled)

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**)

Tenure-track assistant professor position at ECE - Princeton University (deadline **December 31, 2022**, preferred start date of September 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 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

Postdoctoral Research Associate/Fellow in Stellar Astrophysics - University of Sydney (deadline **December 12, 2022**)

Postdoctoral Position - Universidad de la Serena [further information] (deadline **January 6, 2023**)

Asteroseismology Research Fellow, Physics and Astronomy - University of Birmingham (deadline **January 23, 2023**)

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))

Perimeter Scholars International 2023 - Perimeter Institute (deadline **February 1, 2023**)

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)

Graduate Student and Postdoc Schools, Workshops, and Conferences

UseQip: Explore Quantum Information Processing, May 29-June 9, 2023 - University of Waterloo (deadline **January 3, 2023**)

Boulder School in Condensed Matter and Materials Physics 2023: Non-Equilibrium Quantum Dynamics, July 3-28, 2023 - University of Colorado, Boulder (deadline **January 15, 2023**)

Grants, Fellowships and Scholarships

Faculty

Simons Emmy Noether Fellowship - Perimeter Institute (deadline **January 9, 2023**)

Graduate

The Department of the Airforce Science & Technology Fellowship Program

2023 Dissertation and Postdoctoral Fellowship - Ford Foundation (deadline **December 8, 2022**)

Amplify Scholarship - Optica (Deadline **December 9, 2022**)

Undergraduate

Amplify Scholarship - Optica (Deadline **December 9, 2022**)

2023 Predoctoral Fellowship - Ford Foundation (deadline **December 15, 2022**)

WAVE Fellowship - Caltech (deadline **January 9, 2023**)

Amgen Scholars - Caltech (deadline **February 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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