

Chez Pierre Seminar Series

by Condensed Matter Group

Mondays at noon ET in the Duboc Seminar Room (4-331) unless otherwise stated.

Spring 2024

February 12, 2024

Speaker: Andreas Heinrich, Ewha Womans University

Title: " Quantum sensing with atomic-scale spatial resolution".

https://physics.mit.edu/wp-content/uploads/2024/01/Andreas-Heinrich-Chez-Pierre_announcement-poster.pdf

Host: Raymond Ashoori

February 19, 2024 (Presidents' Day- Holiday. No Chez Pierre) seminar)

February 26, 2024

Speaker: TBA

Title: TBA

Host: TBA

March 4, 2024 (No Chez Pierre Seminar due to the March APS meeting)

March 11, 2024

Speaker: Sang-Wook Cheong, Rutgers University

Title: "Chirality and Kinetomagnetism"

https://physics.mit.edu/wp-content/uploads/2024/02/Sang-Wook-Cheong-Chez-Pierre_announcement-poster.pdf

Host: Riccardo Comin

March 18, 2024

Speaker: Dimitry Abanin, Princeton University

Title: "Temporal entanglement and complexity of non-Markovian quantum dynamics"

<https://physics.mit.edu/wp-content/uploads/2024/03/Dmitri-Abanin-Chez-Pierre-announcement-poster.pdf>

Host: Leonid Levitov

March 25, 2024 (Spring Break- No Chez Pierre seminar)

April 1, 2024

Speaker: Andrea Cavalleri, University of Oxford

Title: "Controlling ferroelectrics with light."

https://physics.mit.edu/wp-content/uploads/2024/02/Andrea-Cavalleri-Chez-Pierre_announcement-poster-copy.pdf

Host: Nuh Gedik

April 8, 2024

Speaker: Philip Kim, Harvard University

Title: " Radiofrequency reflectometry measurement of superfluid stiffness of 2D superconductors".

https://physics.mit.edu/wp-content/uploads/2024/03/Phillip-Kim-Chez-Pierre_announcement-poster-copy.pdf

Host: Long Ju

April 15, 2024 (Patriot's Day – Holiday. No Chez Pierre seminar)

April 18, 2024 (Special Chez Pierre seminar-Thursday at 12pm)

Speaker: Chetan Nayak, Microsoft

Title: "RF Readout of Topological Qubits"

https://physics.mit.edu/wp-content/uploads/2024/04/Chetan-Nayak-Chez-Pierre_announcement-poster.pdf

Host: Liang Fu

April 22, 2024

Speaker: Ilan Rosen, MIT

Title: "Emulating 2D materials on superconducting quantum computers"

<https://physics.mit.edu/wp-content/uploads/2024/04/Ilan-Rosen•Chez-Pierre-Announcement-poster-example-template.pdf>

Host: William Oliver

April 29, 2024

Speaker: Rui-Rui Du, Rice University

Title: "Towards Bosonic Fractional Quantum Hall Effect in a Moat Band"

https://physics.mit.edu/wp-content/uploads/2024/04/Rui-Rui-Du-Chez-Pierre_announcement-poster-copy.pdf

Host: Liang Fu

May 1, 2024 (Special Chez Pierre seminar -Wednesday at 12 pm)

Speaker: Liang Wu, University of Pennsylvania

Title: "Novel nonlinear optical response in 2D antiferromagnets".

https://physics.mit.edu/wp-content/uploads/2024/04/Liang-Wu-Chez-Pierre_announcement-poster-copy.pdf

Host: Liang Fu

May 6, 2024

Speaker: Cui-Zu Chang, Penn State

Title: "The Art and Science of Molecular Beam Epitaxy—From Quantum Anomalous Hall Effect to Interfacial Superconductivity".

Host: Long Ju

May 10, 2024 (Special Chez Pierre seminar- Friday at 10 am)

Speaker: Jeremy Levy, University of Pittsburgh

Title: "Correlated Nanoelectronics and the Second Quantum Revolution"

https://physics.mit.edu/wp-content/uploads/2024/05/Jeremy-Levy-Chez-Pierre_announcement-poster-copy.pdf

Host: Raymond Ashoori

May 13, 2024

Speaker: Ivan Brihuega, Universidad Autónoma de Madrid (UAM)

Title: "Shaping graphene properties at the atomic scale"

<https://physics.mit.edu/wp-content/uploads/2024/05/Ivan-Brihuega-Chez-Pierre-Announcement-poster-.pdf>

Host: Pablo Jarillo-Herrero

May 14, 2024 (Special Chez Pierre seminar- Tues. at noon)

Speaker: Nagaosa Naoto, RIKEN Center for Emergent Matter Science (CEMS)

Title: " Photocurrent without photo-induced carriers"

https://physics.mit.edu/wp-content/uploads/2024/05/Nagaosa-Naoto-Chez-Pierre_announcement-poster-copy.pdf

Host: Liang Fu

May 22, 2024 (Special Chez Pierre seminar- Wed. at 12:00 pm in the Cosman rm, 6C-422- CANCELLED)

Speaker: Jie Wang, Temple University

Title: Cancelled

Host: Liang Fu

May 22, 2024 (Special Chez Pierre seminar- Wed. at 2:00 pm in the Cosman rm, 6C-442) Hybrid Seminar

Speaker: Jong-Yeon Lee, University of Illinois at Urbana-Champaign

Title: "Understanding Phases and Transitions in Mixed State Topological Phases"

https://physics.mit.edu/wp-content/uploads/2024/05/JongYeon-Lee-Chez-Pierre_announcement-poster-copy.pdf

Host: Leonid S. Levitov