

Chez Pierre Seminar Series

by Condensed Matter Group

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

Spring 2022

February 7, 2022 (Virtual Zoom Seminar)

Speaker: Bohm-Jung Yang, Seoul National University

Title: “Wave function geometry and anomalous Landau levels of flat bands”

https://physics.mit.edu/wp-content/uploads/2022/01/Bohm-Jung-Yang_Chez-Pierre_announcement-poster.pdf

Host: Riccardo Comin

February 14, 2022 (Virtual Zoom Seminar)

Speaker: Nai Phuan Ong, Princeton University

Title: “Oscillations of thermal conductivity and evidence for the planar thermal Hall conductivity in the Kitaev Magnet $\alpha\text{-RuCl}_3$ ”

https://physics.mit.edu/wp-content/uploads/2022/01/N.-P.-Ong_Pierre_announcement-poster.pdf

Host: Patrick Lee

February 21, 2021

No Chez Pierre Seminar due to President's day holiday

February 28, 2022 (Virtual Zoom Seminar)

Speaker: Andrew Pierce, Harvard University

Title: "Fractional Chern insulators in twisted bilayer graphene"

https://physics.mit.edu/wp-content/uploads/2022/02/Andrew-Pierce_-Chez-Pierre_announcement-poster.pdf

Hosts: Pablo Herrero-Jarillo & Raymond Ashoori

March 11, 2022 (Friday, Special Chez Pierre Seminar)

Speaker: Michael Horn-von Hoegen, Fakultät für Physik, Universität Duisburg-Essen

Title: "Optically excited structural transition in atomic wires on surfaces at the quantum limit: a femtosecond electron diffraction study"

https://physics.mit.edu/wp-content/uploads/2022/03/Michael-Horn-von-Hoegen-Chez-Pierre_announcement-poster-3.pptx

Host: Nuh Gedik

March 14, 2022

No Chez Pierre Seminar due to the March APS meeting

March 21, 2022

No Chez Pierre Seminar due the MIT Spring Break

March 28, 2022 (Virtual Zoom Seminar)

Speaker: Carlo Beenakker, Lorentz Institute, Leiden, The Netherlands

Title: “Chirality inversion of Majorana edge modes in a Fu-Kane heterostructure”

https://physics.mit.edu/wp-content/uploads/2022/02/CarloBeenakker_announcement-poster.pdf

Host: Leonid Levitov

March 29, 2022 (Tuesday, Special Virtual Zoom seminar)

Speaker: Jian Wang, Peking University

Title: “Charge-4e and charge-6e superconductivity in kagome superconductor CsV₃Sb₅ ”

https://physics.mit.edu/wp-content/uploads/2022/03/Jian-Wang_Chez-Pierre_announcement-poster-3-1.pdf

Host: liang Fu

April 4, 2022 (Virtual Zoom Seminar)

Speaker: Justin Song, Nanyang Technological University

Title: Quantum Geometric Collective Modes: “Berryogenesis” and Quantum Metric Plasmons

https://physics.mit.edu/wp-content/uploads/2022/03/Justin-Song_Chez-Pierre_announcement-poster-3.pptx

Host: Leonid Levitov

April 11, 2022

Speaker: Bo Zhen, University of Pennsylvania

Title: “Nonlinear topological photonics”

https://physics.mit.edu/wp-content/uploads/2022/03/Bo-Zhen_Chez-Pierre_announcement-poster.pdf

Host: Marin Soljagic

April 18, 2022

No Chez Pierre Seminar due to Patriots' Day holiday

April 20, 2022 (Wednesday, Special Chez Pierre seminar- Hybrid)

Speaker: Yaroslav Tserkovnyak, UCLA

Title: "Integrating quantum impurities with dissipative media: New probes and utilities of quantum materials".

https://physics.mit.edu/wp-content/uploads/2022/03/Yaroslav-Tserkovnyak_-Pierre_announcement-poster-3.pdf

Host: Leonid Levitov

April 25, 2022 (Hybrid Seminar)

Speaker: Liuyan Zhao, University of Michigan, Ann Arbor

Title: "Moiré magnetism in twisted double bilayer chromium triiodide"

https://physics.mit.edu/wp-content/uploads/2022/01/Liuyan-Zhao-_Chez-Pierre_announcement-poster.pdf

Host: Long Ju

April 26, 2022 (Tuesday, Special Chez Pierre seminar)

Speaker: David Hsieh, Caltech

Title: “Strongly Driven Quantum Materials”

https://physics.mit.edu/wp-content/uploads/2022/04/David-Hsieh_-Chez-Pierre_announcement-poster-3.pdf

Host: Nuh Gedik

May 2, 2022 (Hybrid seminar)

Speaker: James Analytis, UC Berkeley

Title: “Strange metals and their strange parents”

https://physics.mit.edu/wp-content/uploads/2022/04/James-Analytis_Chez-Pierre_announcement-poster-3.pdf

Host: Senthil Todadri

May 9, 2022 (Virtual Seminar)

Speaker: Ming Yi, Rice University

Title: “Emergent phases in geometrically frustrated lattices”

https://physics.mit.edu/wp-content/uploads/2022/04/Ming-Yi_-Chez-Pierre_announcement-poster.pdf

Host: Riccardo Comin