

Chez Pierre Seminar Series

by Condensed Matter Group

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

Fall 2022

September 13, 2021 (Virtual Zoom seminar)

Mark Rudner – University of Washington

“The Lindblad equation: not just for quantum optics anymore“

https://physics.mit.edu/wp-content/uploads/2021/09/Mark-Rudner_announcement-poster.pdf

Host: Leonid Levitov

September 20, 2021 (Virtual Zoom seminar)

Inti Sodemann – Max Planck Institute

“Pseudo-scalar U(1) spin liquids in α -RuCl₃”

https://physics.mit.edu/wp-content/uploads/2021/09/Inti-Sodemann_announcement-poster.pdf

Host: Liang Fu

September 27, 2021

Joshua Javier “Shua” Sanchez – Massachusetts Institute of Technology

“Probing the Symmetry-Breaking Phases in Iron-based Superconductors with Combined Strain, Transport and X-ray Techniques”

https://physics.mit.edu/wp-content/uploads/2021/09/Joshua-Sanchez_announcement-poster.pdf

Host: Riccardo Comin

October 4, 2021 (Virtual Zoom seminar)

Brad Ramshaw – Cornell University

“The Planckian Limit: a Fundamental Bound on Electron Scattering”

https://physics.mit.edu/wp-content/uploads/2021/09/Brad-Ramshaw_announcement-poster.pdf

Host: Long Ju

October 11, 2021

No Chez Pierre Seminar due to Indigenous People Day holiday

October 19, 2021 (Tuesday, Special Chez Pierre seminar)

Philip Kim – Harvard University

“Toward realization of novel superconductivity based on twisted van der Waals Josephson junction in cuprates”

https://physics.mit.edu/wp-content/uploads/2021/09/Philip-Kim_announcement-poster.pdf

Host: Leonid Levitov

October 25, 2021

Nurit Avraham – Weizmann Institute

“Visualization of Topological Boundary Modes Manifesting Topological Nodal-Point Superconductivity“

https://physics.mit.edu/wp-content/uploads/2021/09/Nurit-Avraham_announcement-poster.pdf

Host: Greg Fiete

November 1, 2021

Ziqiang Wang – Boston College

“Correlated topological states in a new family of kagome superconductors”

https://physics.mit.edu/wp-content/uploads/2021/10/Ziqiang-Wang_announcement-poster-_pdf2.pdf

Host: Patrick Lee

November 8, 2021 (Virtual Zoom Seminar)

Anaëlle Legros – Johns Hopkins University

“Observation of cyclotron resonance and measurement of the cyclotron mass in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ”

https://physics.mit.edu/wp-content/uploads/2021/10/Anaëlle-Legros_announcement-poster-.pdf

Host: Senthil Todadri

November 15, 2021

Darius Torchinsky – Temple University

“The Nonlinear Electrodynamics of Weyl Semimetals“

https://physics.mit.edu/wp-content/uploads/2021/10/Darius-Torchinsky_-announcement-poster.pdf

Host: Nuh Gedit

November 22, 2021

Silke Buehler-Paschen – Vienna University of Technology, Austria

“Superconductivity in the extreme strange metal YbRh_2Si_2 “

https://physics.mit.edu/wp-content/uploads/2021/10/Silke-Buelher-Paschen_announcement-poster.pdf

Host: Joe Checkelsky

November 29, 2021 (Virtual Zoom Seminar)

Xi Ling – Boston University

“Spin-correlation of the light-matter interaction in van der Waals antiferromagnetic NiPS_3 “

https://physics.mit.edu/wp-content/uploads/2021/11/Xi-Ling_announcement-poster-.pdf

Host: Riccardo Comin

December 3, 2021 (Friday, Special Chez Pierre Seminar)

Giorgio Sangiovanni– Universitaet Wuerzburg

“Emergent honeycomb physics from chiral atomic orbitals on a triangular lattice”

https://physics.mit.edu/wp-content/uploads/2021/11/Giorgio-Sangiovanni_announcement-poster-3.pdf

Hosted: Riccardo Comin

December 6, 2021 (Virtual Zoom Seminar)

Yang Zhang – Massachusetts Institute of Technology

“Catalysis and topology in moiré semiconductor and metal“

https://physics.mit.edu/wp-content/uploads/2021/11/Yang-Zhang_Chez-Pierre_announcement-poster-3.pdf

Host: Liang Fu