

QMATH 15

TYPE - MANY-BODY • SEPTEMBER 12 • MONDAY

M Many-Body

SEPTEMBER 12 • MONDAY

2:00pm – 2:40pm	M	A bulk gap in the presence of edge states for a truncated Haldane pseudopotential <i>Speakers: Amanda Young</i>	Giedt 1003
2:45pm – 3:25pm	M	Non-abelian Hall conductance as a homotopy invariant of gapped lattice systems <i>Speakers: Anton Kapustin</i>	Giedt 1003
4:00pm – 4:15pm	M	Propagation bounds for the Bose-Hubbard model <i>Speakers: Marius Lemm</i>	Giedt 1003
4:15pm – 4:30pm	M	"Dynamic" Abelian Quantum Double Models <i>Speakers: Siddharth Vadnerkar</i>	Giedt 1003
4:30pm – 4:45pm	M	Continuous families of GNS constructions <i>Speakers: Markus J. Pflaum</i>	Giedt 1003
4:45pm – 5:00pm	M	The Projective Hilbert Bundle of a 1d Parametrized System <i>Speakers: Daniel Spiegel</i>	Giedt 1003
5:00pm – 5:15pm	M	Many-body localization transition <i>Speakers: John Imbrie</i>	Giedt 1003
5:15pm – 5:30pm	M	Gaussian Matrix Product States cannot efficiently approximate critical systems <i>Speakers: Adrián Franco-Rubio</i>	Giedt 1003

SEPTEMBER 14 • WEDNESDAY

2:00pm – 2:40pm	M	Two modes approximation for bosons in a double well potential <i>Speakers: Nicolas Rougerie</i>	Giedt 1003
2:45pm – 3:00pm	M	Extensive long-range entanglement in a nonequilibrium steady state <i>Speakers: Shachar Fraenkel</i>	Giedt 1003
3:00pm – 3:15pm	M	The BCS energy gap at low and high density <i>Speakers: Asbjørn Bækgaard Lauritsen</i>	Giedt 1003
3:15pm – 3:30pm	M	BCS Theory at High Density <i>Speakers: Joscha Henheik</i>	Giedt 1003
4:00pm – 4:15pm	M	The ground state energy of dilute 1D many-body quantum systems <i>Speakers: Johannes Agerkov</i>	Giedt 1003
4:15pm – 4:30pm	M	Bogoliubov Theory for Trapped Bosons in the Gross-Pitaevskii Regime <i>Speakers: Severin Schraven</i>	Giedt 1003
4:30pm – 4:45pm	M	Characterizing dynamical quantum phase transitions in the transverse field Ising model: A complex network theory approach <i>Speakers: Brandon Barton</i>	Giedt 1003
4:45pm – 5:00pm	M	The energy of the 2D dilute Bose gas: an upper bound <i>Speakers: Lukas Junge</i>	Giedt 1003
5:00pm – 5:15pm	M	The energy of the 2D dilute Bose gas: a lower bound <i>Speakers: Marco Olivieri</i>	Giedt 1003

