

## QMATH 15

## TYPE - SPECTRAL THEORY • SEPTEMBER 14 • WEDNESDAY

**S** Spectral Theory

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**SEPTEMBER 14 • WEDNESDAY**


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2:00pm – 2:25pm	S	<b>Geometrically induced spectral properties of soft quantum waveguides</b> <i>Speakers: Pavel Exner</i>	Math 2112
2:30pm – 2:55pm	S	<b>Quantum Systems at The Brink: Critical Potentials and dimensionality</b> <i>Speakers: Michal Jex</i>	Math 2112
3:00pm – 3:30pm	S	<b>Scattering for Schrödinger operators with potentials concentrated near a subspace</b> <i>Speakers: Adam Black, Tal Malinovitch</i>	Math 2112
4:00pm – 4:25pm	S	<b>An approach to universality using Weyl m-functions</b> <i>Speakers: Milivoje Lukic</i>	Math 2112
4:30pm – 5:00pm	S	<b>Critical Points of Discrete Periodic Operators</b> <i>Speakers: Matthew Faust</i>	Math 2112
5:00pm – 5:25pm	S	<b>Complex absorbing potential method for calculating scattering resonances</b> <i>Speakers: Haoren Xiong</i>	Math 2112

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**SEPTEMBER 15 • THURSDAY**


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2:00pm – 2:25pm	S	<b>Thomas-Fermi profile of a fast rotating Bose-Einstein condensate</b> <i>Speakers: NGUYEN Dinh Thi</i>	Math 2112
2:30pm – 2:55pm	S	<b>Hydrogen-like Schrodinger Operators at Low Energies</b> <i>Speakers: Ethan Sussman</i>	Math 2112
3:00pm – 3:25pm	S	<b>Ballistic Transport for Limit-periodic Schrödinger Operators in One Dimension</b> <i>Speakers: Giorgio Young</i>	Math 2112
4:00pm – 4:25pm	S	<b>Diffusion for a Quantum Particle in a Lindbladian Environment with a Periodic Hamiltonian</b> <i>Speakers: Jacob Gloe</i>	Math 2112
4:30pm – 4:55pm	S	<b>Optimal convergence rate in the quantum Zeno effect for open quantum systems in infinite dimensions</b> <i>Speakers: Tim Möbus</i>	Math 2112

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**SEPTEMBER 16 • FRIDAY**


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9:00am – 9:40am	S	<b>Polya Conjecture for the Dirichlet problem in a multi-dimensional ball</b> <i>Speakers: Nikolay Filonov</i>	Math 2112
9:40am – 10:20am	S	<b>TBA</b> <i>Speakers: Julien Sabin</i>	Math 2112
10:50am – 11:30am	S	<b>Johnson-Schwartzman gap labelling and applications</b> <i>Speakers: David Damanik</i>	Math 2112
11:30am – 12:10pm	S	<b>TBA</b> <i>Speakers: Lingrui Ge</i>	Math 2112

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