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Invited talks and seminars

- Sep, 2021 **University of Toronto and Vector Institute**, Quantum Computing seminar series and panel discussion organized by Royal Bank of Canada.
–invited talk and panel speaker on *Near-term quantum devices: Goals and expectations*
- Apr, 2021 **University of Arizona**, Quantum Information and Science seminar series.
–invited talk on *Many-body physics, quantum effects and its simulation complexity*.
- Feb, 2021 **Portland Quantum Computing Meetup**, online seminar series.
–invited talk on *Simulation complexity in noisy quantum systems*.
- Dec, 2020 **Sandia National labs**, Livermore, California.
–invited talk on *Many-body physics, quantum effects and its simulation complexity*.
- Sept, 2020 **AgnostiQ**, Toronto, Canada.
–invited talk on *Many-body physics, quantum effects and its simulation complexity*.
- Aug, 2020 **Los Alamos National Laboratory**, New Mexico.
–invited talk on *Many-body physics and its simulation complexity*.
- March, 2020 **Oak Ridge National Laboratory**, Tennessee.
–invited talk on *Robust simulation of observables and localization in many-body systems*.
- Feb, 2020 **University of Sherbrooke**, Sherbrooke, Canada.
–invited talk on *Accessing different topological classes and types of Majorana fermions in coupled superconducting platforms*.
- Jan, 2020 **Brookhaven National Laboratory**, New York.
–invited talk on *Robust simulation of observables and localization in many-body systems*.
- Dec, 2019 **Lawrence Livermore National Laboratory**, California.
–invited talk on *Robust simulation of observables and localization in many-body systems*.
- April, 2019 **Los Alamos National Laboratory**, New Mexico.
–invited talk on *Disorder-free localization in the Kitaev honeycomb model*.
- Oct, 2018 **Centre for Quantum Information and Control, UNM**, Albuquerque.
–seminar on *Operator spreading in exactly solvable frustrated spin systems in two dimension*.
- Aug, 2018 **Department of Physics, Boston University**, Boston.
–invited talk on *Boosted one dimensional superfluids on a lattice*.
- Oct, 2017 **Centre for Quantum Information and Control, UNM**, Albuquerque.
–seminar on *Topology and quantum phases in low dimensional fermionic systems*.

- Jan, 2017 **City University of New York Graduate Centre**, New York.
–invited talk on *Boosted one dimensional superfluids on a lattice*.
- April, 2016 **Centre for Condensed Matter Theory, IISc**, Bangalore, India.
–seminar on *Correlation dynamics during a slow interaction quench in a one-dimensional Bose gas*.
- May, 2013 **Centre for Condensed Matter Theory, IISc**, Bangalore, India.
–seminar on *Spin Imbalance and spin-charge separation in mesoscopic superconductor*.

Conference Presentations

- March, 2020 **APS March Meeting 2020**, Denver.
– poster presentation on *Accessing different topological classes and types of Majorana fermions in coupled superconducting platforms*.
- Feb, 2020 **Southwest Quantum Information and Technology Worskhop**, University of Oregon, Eugene.
– poster presentation on *Accessing different topological classes and types of Majorana fermions in coupled superconducting platforms*.
- Sep, 2019 **APQC Worskhop**, Estes Park, Colorado.
– poster presentation on *Complexity of sampling bosonic atoms in the presence of weak interactions*.
- June, 2019 **TQC+NISQ Worskhop**, University of Maryland, Maryland.
– poster presentation on *Disorder-free Localization in the Kitaev honeycomb model*.
- Feb, 2019 **Southwest Quantum Information and Technology Workshop**, Albuquerque, New Mexico.
– poster presentation on *Disorder-free Localization in the Kitaev honeycomb model*.
- July, 2018 **Gordon Research Conference**, Boston, Massachusettts.
– poster presentation on *Behaviour of quench errors in the Kitaev honeycomb model*.
- Mar, 2018 **American Physical Society March Meeting**, Los Angeles.
– poster presentation on *Symmetry classes and topological properties of 1D superconductors*.
- Mar, 2018 **American Physical Society March Meeting**, Los Angeles.
– oral presentation on *Photo-induced $SU(3)$ topological material of spinless fermions*.
- Feb, 2018 **Southwest Quantum Information and Technology Workshop**, Santa Fe, New Mexico.
– poster presentation on *Information scrambling of one dimensional symmetry protected topological phases from thermalized boundaries via tensor networks*.
- Jun, 2016 **Advances in Strongly Correlated Electronic Systems**, University of Minnesota, Minneapolis, USA.
– poster presentation on *Boosted one-dimensional superfluids on a lattice*.
- Jan, 2016 **International Workshop on Emergent Phenomena in Quantum Hall Systems**, Tata Institute of Fundamental Research, Mumbai, India.
– poster presentation on *Assembling topological insulators with lasers*.

Aug, 2014 **Conference on Field Theory Methods in Low Dimensional Strongly correlated Quantum Systems**, International Centre for Theoretical Physics, Trieste, Italy.

– poster presentation on *FFLO order in a 1D p-wave superfluid: a Bosonization study*.