

Students

Poster number	First name	Last name	Poster title
1	Raphael	Abrahao	Continuous-Variable Boson Sampling: a path to scalability
2	Catxere	Andrade Casacio	Quantum enhanced non-linear microscopy
3	Leonardo	Assis Morais	Transition edge sensors: photon-number resolving detectors
4	Christiaan	Bekker	Free spectral range electrical tuning of a high quality on chip microcavity
5	Thomas	Bell	Rapid Production of Large Quanta BEC Supercurrents
6	Jeremy	Bourhill	Building whispering gallery mode resonators from enriched silicon 28
7	Jihun	Cha	Creation of maximally entangled states by using time-bin encoding protocols
8	Christopher	Chubb	Statistical mechanical models for stabiliser codes subject to correlated noise
9	Zhitao	Deng	Properties of Superfluid Flow Between Reservoirs
10	Timothy	Evans	Methods in Matrix Product Operator tomography
11	Graeme	Flower	Search for dark matter axions with magnetic materials
12	Virginia	Frey	Qubit readout fidelity improvements leveraging machine learning
13	Jemy	Geordy	Bayesian estimation of blinking in nano-diamond colour centres
14	Alejandro	Gomez Frieiro	Power-dependent qubit protection by simultaneous cavity and qubit driving
15	Joshua	Guanzon	Simulation of the Jarzynski equality in a finite temperature Bose gas
16	Rob	Harris	Calderbank-Steane-Shor Holographic Quantum Error Correcting Codes
17	Eric	He	Phonon Confinement by the Force of Light
18	Lewis	Howard	Spatial Metrology
19	Marie Claire	Jarratt	Dispersive Gate Sensing of a Quantum Point Contact
20	Tyler	Jones	Qubit protection via strong Rabi driving
21	Anatoly	Kulikov	Improving the Fidelity of Entangling Gates Using a Qubit Vector Network Analyzer
22	W. Y. Sarah	Lau	Hectometer revivals of quantum interference
23	Christian	Marciniak	Site-resolved imaging of beryllium ion crystals in a Penning trap for quantum simulation experiments
24	Nicolas	Mauranyapin	Biosensing at the quantum noise limit
25	Ben	McAllister	The ORGAN Experiment
26	Nathan	McMahon	Holography and Gauge Fields Through Tensor Networks
27	Chao	Meng	Using Filter Functions to Improve Strong Measurements in Optomechanics
28	Alistair	Milne	Phase-modulated entangling gates robust against static and time-varying errors
29	Nabomita	Mukty	Superabsorption of light in colour centres in nanodiamonds.

30	Timothy	Newman	Cryogenic Switching for Quantum Information Experiments
31	Hakop	Pashayan	From estimation of quantum probabilities to simulation of quantum circuits
32	Alex	Pritchard	Classical Flow in a Superfluid Bose-Einstein Condensate
33	Sarath	Raman Nair	On the theory of diamond Raman lasers with colour centres in the crystal
34	Reece	Roberts	Towards cooperatively enhanced dipole forces in optical levitation, harnessing quantum emitters in diamond
35	Alan	Robertson	Simulating Errors on Clifford Circuits
36	Erick	Romero	Phononic waveguides:towards phononic circuitry
37	Andres	Rosario Hamann	Waveguide QED with superconducting qubits
38	Yauhen (Eugene)	Sachkou	Evaporation of a giant quantum vortex
39	Yasmine	Sfendla	An optomechanical scheme for detecting single vortices in two-dimensional Helium
40	Catriona	Thomson	Oscillator-based Axion Detection Experiments
41	Behnam	Tonekaboni	Autonomous Quantum Heat Engine Using an Electron Shuttle
42	David	Tuckett	Features and advantages of planar codes with biased noise
43	Matt	van Breugel	Nano-scale Thermometry with Diamond
44	Steven	Waddy	Custom instrumentation for control and readout of large-scale* quantum systems
45	Prahlad	Warszawski	Optomechanical quantum control of superfluid He vortices
46	Paul	Webster	Logical Operators by Braiding Twists in Topological Stabiliser Codes
47	Azwa	Zakaria	Solid-state single photons for quantum photonics
48	Thomas	Guff	A Thermal Engine with a Coherent Bath
49	Kwan	Goddard Lee	Non-symmetric vortex equilibria in a Bose-Einstein condensate

Postdoctoral researchers

Poster number	First name	Last name	Poster title
1	Shakib	Daryanoosh	Quantum master equations for entangled qubit environments
2	Torsten	Gaebel	Coherence Enhancement in Hyperpolarised Nanodiamond
3	Christina	Giarmatzi	Witnessing quantum non-Markovianity
4	Robin	Harper	Fault tolerance in the IBM Q Experience
5	Markus	Jerger	Improving the Fidelity of Entangling Gates Using a Qubit Vector Network Analyzer
6	Kamil	Korzekwa	Avoiding irreversibility: engineering resonant conversions of quantum resources
7	Cyril	Laplane	A new tool for optical manipulation of nano-object based on atomic forces
8	Beibei	Li	Quantum enhanced optomechanical magnetometry

9	Sascha	Schediwy	Stabilized free-space optical frequency transfer
10	Sally	Shrapnel	Counting photons with machine learning
11	Magdalena	Zych	Gravity is not a Pairwise Local Classical Channel