

TIME	MONDAY 17	TUESDAY 18	WEDNESDAY 19	THURSDAY 20	FRIDAY 21
8:30 – 9:00	MORNING COFFEE				
9:00 – 10:15	Christoph Simon Quantum Repeaters	Austin Fowler Why Use the Surface Code?	Alexandre Blais Circuit Quantum Electrodynamics Part II	Dominic Berry Techniques for Quantum Algorithms	Ivette Fuentes Localized Systems for Relativistic Quantum Information Processing
10:15 – 11:30	Daniel Gottesman Quantum Error Correction and Fault Tolerance Part I	Alexandre Blais Circuit Quantum Electrodynamics Part I	Matteo Mariantoni Spectroscopy and Pulse Tuning	Austin Fowler Anatomy of a Surface Code Algorithm	Nilanjana Datta Entropies and Information Theory Part III: Entropies in One-shot Information Theory
11:30 – 12:00	COFFEE BREAK				
12:00 – 13:15	Christoph Simon Quantum Memories	Daniel Gottesman Quantum Error Correction and Fault Tolerance Part II	Nilanjana Datta Entropies and Information Theory Part I: Shannon entropy and Classical Information Theory	Ivette Fuentes Entanglement in Flat and Curved Spacetimes	Dominic Berry Quantum Simulation Algorithms
13:15 – 14:30	LUNCH				Austin Fowler Modern Surface Code Research
14:30 – 15:45	Alexandre Blais Introduction to Superconducting Qubits	Dominic Berry Elementary Quantum Algorithms	Daniel Gottesman Quantum Error Correction and Fault Tolerance Part III	Matteo Mariantoni Jaynes-Cummings Hamiltonian and the CZ- Φ Gate	END of SCHOOL
15:45 – 17:00	Christoph Simon Micro-macro Entanglement	Matteo Mariantoni The Modulation Technique and the Rabi Problem	Ivette Fuentes Technical Tools in Quantum Information and Quantum Field Theory	Nilanjana Datta Entropies and Information Theory Part II: von Neumann entropy and Quantum Information Theory	
	Reception 5:00 – 8:00 Outside BBQ at MacEwan Student Centre				