

TIME	MONDAY 17	TUESDAY 18	WEDNESDAY 19	THURSDAY 20	FRIDAY 21
9:00 – 10:15	Christoph Simon Quantum Memories	Austin Fowler Why use the surface code?	Alexandre Blais Circuit quantum electrodynamics Part two	Dominic Berry Techniques for quantum algorithms	Ivette Fuentes Localized systems for relativistic quantum information processing
10:15 – 11:30	Daniel Gottesman TBA	Alexandre Blais Circuit quantum electrodynamics Part One	Matteo Mariani TBA	Austin Fowler Anatomy of a surface code algorithm	Nilanjana Datta Entropies and Information Theory Lecture III: Entropies in One-shot Information Theory
11:30 – 12:00	COFFEE BREAK				
12:00 – 13:15	Christoph Simon Quantum Repeaters	Daniel Gottesman TBA	Nilanjana Datta Entropies and Information Theory Lecture 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
14:30 – 15:45	Alexandre Blais Superconducting qubits	Dominic Berry Elementary quantum algorithms	Daniel Gottesman TBA	Matteo Mariani TBA	Modern surface code research
15:45 – 17:00	Christoph Simon Quantum Cryptography beyond Quantum Key Distribution	Matteo Mariani TBA	Ivette Fuentes Technical tools in quantum information and quantum field theory	Nilanjana Datta Entropies and Information Theory Lecture II: von Neumann entropy and Quantum Information Theory	END of SCHOOL
	Reception 5:00 – 7:30				