

CINECA QUANTUM COMPUTING SCHOOL SCHEDULE

	MONDAY MAY 6TH	TUESDAY MAY 7TH	WEDNESDAY MAY 8TH	THURSDAY MAY 9TH	FRIDAY MAY 10TH
9.00 - 11.00	10.00 – Welcome – Opening 11.00	QC introduction (Daniele)	Exercises DWAVE (Gabriella)	NISQ era + Introduction to quantum statevector emulators (Sara)	Introduction to Tensor Networks methods
11.00 - 11.30		BREAK	BREAK	BREAK	BREAK
11.30 - 13.00	Introduction to quantum annealers (Dwave)(Daniele)	QC introduction (Daniele)	Hands-on (WCET) (Gabriella)	Algorithms with State Vector quantum emulators (Sara)	Introduction to Quantum Matcha Tea
13.00 - 14.30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
14.30 - 16.00	Introduction to quantum annealers (Dwave) (Daniele)	Introduction to neutral atoms QC (Gabriella)	Exercises PULSER (Gabriella)	Grover's algorithm (Sara)	
16.00 - 16.30	BREAK	BREAK	BREAK	BREAK	
16.30 - 18.30	Integration HPC - QC (Gabriella) The Quantum suite and Cineca's quantum resources (Sara)	Use cases for quantum annealers and neutral atoms QC (Gabriella)	Hands-on on DWAVE and PULSER (Gabriella)	Exercises on Grover's algorithm (Sara)	
18.30 - 20.30		SOCIAL SPRITZ			