

2024 Benasque Spring School on Near-Term Quantum Computing

	Monday 15	Tuesday 16	Wednesday 17	Thursday 18	Friday 19
Breakfast	Welcome				
Session 1	Introduction to QC Jara Juana Bermejo-Vega	Cold atoms II Daniel Barredo	Variational Quantum Algorithms Adrián Pérez-Salinas	Trapped ions I Martin Ringbauer	Tensor networks II Mari Carmen Bañuls
Coffe break					
Session 2	Cold atoms I Daniel Barredo	Verification Jara Juana Bermejo-Vega	Quantum Machine Learning Adrián Pérez-Salinas	Tensor Networks I Mari Carmen Bañuls	Trapped Ions II Martin Ringbauer
Lunch					
Hands-on	Software warm-up	TBA	TBA	Tensor Networks Jofre Vallès	Tensor Networks José Ramón Pareja
Free-time	CONFERENCE DINNER				

Theory-oriented
Experiment-oriented
Software

	Monday 22	Tuesday 23	Wednesday 24	Thursday 25	Friday 26
Breakfast					
Session 1	Superconducting circuits I Andreas Wallraff	Quantum simulation II Alexandre Dauphin	Photonic circuits I Alexia Salavrakos	Photonic circuits II Alexia Salavrakos	Error mitigation Adrián Pérez-Salinas
Coffe break					
Session 2	Quantum simulation I Alexandre Dauphin	Superconducting circuits II Andreas Wallraff	Quantum control Andreas Wallraff	Adiabatic quantum computing Ana Palacios	TBA
Lunch					Farewell
Hands-on	Chemistry&simulation Alexandre Dauphin	Superconducting circuit design Alessandro Landra	INDUSTRIAL SESSION	TBA	
Free-time					