

SUMMER SCHOOL SCHEDULE

	MON Sept 02	TUE Sept 03	WED Sept 04	THU Sept 05	FRI Sept 06	
08:45						
09:00	registration					09:00
09:30	Davide Pastorello 	Marco Cerezo 	Vladislav Golyanik 	Christa Zoufal 	Andrea Gentile Scientific Machine Learning with (neutral atom) quantum circuits	
10:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	10:30
11:00	An introduction to Quantum Computing	A primer on the theoretical aspects of quantum neural networks	Advances in Quantum-enhanced Computer Vision	Benchmarking quantum machine learning and optimization algorithms	Michele Grossi Quantum Technique for high energy physics	11:00
12:30	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	12:30
14:00	Cristina Cirstoiu How does noise affect the performance of quantum machine learning?	Matthias C Caro 	Daniel K Park 	Simone Montangero 	David Wierichs Gradient-based training of QML models with PennyLane	14:00
15:30	Break	Break	Break	Break	Break	15:30
15:45					closing remarks	15:45
16:00						16:00
16:15					final exam	16:15
17:00	poster session	Hamiltonian Learning and Testing	Classical-quantum hybrid machine learning	Introduction to Tensor Network Methods		17:00
17:15						17:15
18:00						
19:00	welcome aperitif (Colorado Hotel)					
21:00						