Conference Program

Day 1 Wednesday, September 13

10:00	Arrival and registration (with coffee)
11:00	Welcome note
11:15	Keynote talk 1: Lena Funcke Quantum Algorithms for Particle Physics
12:00	Cluster talk 1: Silvia Pappalardi Designs via Free Probability
12:30	Lunch
14:00	for prospective ML4Q2 (associated) members: Planning session on ML4Q2
15:10	Keynote talk 2: Ursula Wurstbauer Collective excitations, degenerate phases and hybridiza tion in van der Waals stacks: stacking, twisting, & gating
16:00	Coffee break
16:30	Keynote talk 3: Andreas Winter Quantum communication - so much more than just QKD
17:20	Information session on early-career opportunities
	ML4Q internal: Parallel discussions on cross-sectional tasks for ML4Q2 (research data management, science communication, internationalization and knowledge transfer)
18:15	Dinner
20:00	Poster Session I (odd numbers)

Conference Program

Day 2 Thursday, September 14

09:15	for associated members: Associated members assembly
	for members: Discussion on ML4Q Teaching and Seminar Activities
10:30	Coffee break
11:00	Keynote talk 4: Philippe Grangier Experimental tests of Bell's inequalities at Institut d'Optique (1980-82): past achievements and future directions
11:50	Cluster talk 2: Mario Berta Quantum algorithms for the early fault-tolerance regime
12:30	Lunch
14:00	Hike and free discussion time
16:15	Coffee break
17:00	Poster session II (even numbers)
	17:30 ML4Q internal: Parallel discussions on cross-sectional tasks for ML4Q2 (early-career researchers and research-oriented teaching, equity and diversity)
	18:30 ML4Q internal: Discussions summary

19:30 Dinner

Conference Program

Day 3 Friday, September 15

09:00	for members: Members assembly
	9:30 Parallel students' discussion on ML4Q activities
10:30	Coffee break
11:00	Special guest: Martina Erlemann Freie Universität Berlin, Department of Physics Gender & Diversity in the Cultures of Physics
11:40	Keynote talk 5: Frank Pollmann Realization and Characterization of Topological Phases Quantum Processors
12:45	Lunch
14:15	Cluster talk 3: Annika Kurzmann Two-dimensional materials for quantum networks
14:40	Cluster talk 4: Daqing Wang Exploring quantum technologies with single controlled molecules
15:05	Keynote talk 6: Barbara Kraus Towards physically relevant multipartite entanglement
15:55	Poster prize & closing remarks
16:20	Departure

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