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Joint ICTP-WE Heraeus School and Conference on Frontiers at the Intersection of Quantum Simulation and Machine Learning | (smr 3928)

Wednesday 17 April 2024

notitle - Budinich Lecture Hall (LB) (09:00-16:45)

time	title	presenter
09:00	Deep Learning for Quantum Physics and Astronomy	JOHANNES KOFLER
09:45	Coffee Break	
10:45	Representation learning for quantum systems	EVERT VAN NIEUWENBURG
11:30	Classical machine learning for quantum simulations: detection of phases, order parameters, and Hamiltonians	ANNA DAWID
12:15	Neural network approach to quasiparticle dispersions in doped antiferromagnets	HANNAH LANGE
12:45	Lunch	
13:45	Optimal control and implementation of quantum algorithms	LUDWIG MATHEY
14:30	Reinforcement Learning in Online Bayesian Estimation for Noise-Driven Coherent Rotation of a Spin Qubit	JAN ADRIAN KRZYWDA
15:00	Coffee Break	
16:00	Learning quantum systems: from physics-inspired models to Hamiltonian learning	MAX PRÜFER