

Machine Learning in Natural Sciences: from Quantum Physics to Nanoscience and Structural Biology

Tuesday, 20 September 2022

Quantum Many-Body States - Seminarraum 1-3 (09:00 - 10:30)

time	[id] title	presenter
09:00	[42] Insights into quantum many-body systems through Hamiltonian reconstruction	Dr BOHRDT, Annabelle
09:45	[24] Solving quantum and classical dissipative dynamics with artificial neural networks	GÄRTTNER, Martin

Quantum Many-Body States - Seminarraum 1-3 (15:00 - 16:45)

time	[id] title	presenter
15:00	[34] Physical Parametrisations of Mixed Quantum States with Deep Neural Networks	VICENTINI, Filippo
15:15	[5] Machine learning of thermodynamic observables in lattice quantum field theory	NICOLI, Kim
15:30	[13] Unraveling Quantum Scrambling with Neural Networks	OLLE, Jan
16:00	[44] Data-Enhanced Variational Monte Carlo with Neural Network Quantum States	Dr CZISCHEK, Stefanie