



**STRUCTURES
CLUSTER OF
EXCELLENCE**



**UNIVERSITÄT
HEIDELBERG**
ZUKUNFT
SEIT 1386

Symposium on Synthetic Quantum Systems Heidelberg, October 10th and 11th, 2019

Thursday, 10.10.	
08:30	Welcome and Coffee
09:00	Lauriane Chomaz (Innsbruck University) Novel quantum matter and criticality with ultracold dipolar atoms
10:00	Christophe Galland (EPFL, Lausanne) Engineering Quantum Correlations between Light and Vibration
11:00	Coffee
11:15	Jan Gieseler (ICFO Barcelona) Levitated Particles for Quantum Applications
12:15	Julian Léonard (Harvard University, Cambridge) Engineering entanglement in synthetic quantum systems
Friday, 11.10.	
08:30	Coffee
09:00	Jasmin Meinecke (MPI für Quantenoptik, Garching) Integrated Photonics for the Realization of Synthetic Quantum Systems
10:00	Peter Schauß (University of Virginia, Charlottesville) Quantum gas microscopy of many-body dynamics in Fermi-Hubbard systems
11:00	Coffee
11:15	Andreas Schell (University of Hannover) Solid-state quantum optical elements

Location: Physikalisches Institut, Im Neuenheimer Feld 226, CQD lounge, ground floor (East side)

