



Internal School on Quantum Dynamics in Physics, Chemistry and Biology

*Heidelberg, Max Planck Institute for Nuclear Physics (MPIK), Otto-Hahn-Hörsaal
(large lecture hall), library building, Friday 17 November 2017*

Programme	
10:15 - 10:30	Registration
10:30 - 10:35	Honorarprof. Dr. Christoph H. Keitel (IMPRS-QD Spokesperson) MPI for Nuclear Physics (MPIK) <i>Welcome</i>
Morning Session	
10:35 - 11:35	Dr. Christian Ott MPI for Nuclear Physics (MPIK) <i>Title: "Dynamics of correlated electrons in weak and strong fields"</i>
11:35 - 11:50	Coffee break
11:50 - 12:50	Jun.-Prof. Dr. Fred Jendrzejewski Heidelberg University (UH) <i>Title: "Simulating high-energy physics with ultracold atoms"</i>
12:50 - 14:00	Lunch at the EMBL canteen
Afternoon Session	
14:00 - 15:00	Prof. Dr. Peter Bachert German Cancer Research Center (DKFZ) <i>Title: "Nuclear Magnetic Resonance in vivo: From coherent spin dynamics to applications in biochemistry and tumor diagnostics"</i>
15:00 - 15:15	Coffee break
15:15 - 16:15	Prof. Dr. Maurits W. Haverkort Heidelberg University (UH) <i>Title: "Dynamics and correlation functions in complex materials: From oscillating electrons in an electric field to static order due to dynamical temperature fluctuations"</i>