

	Monday, June 16
	Session XXIV Dynamics of Nonequilibrium, Plenary (Room Hermes) Chairs: Michael Sentef
08:30-09:00	NanLin Wang Selective excitation of Higgs and Leggett modes in two-band superconductor MgB_2
09:00-09:30	Michael Sentef Designing quantum materials with light
09:30-10:00	Tokami Tohayama Optical absorption activated by an ultrashort half-cycle pulse in metallic and superconducting states of the Hubbard model
10:00-10:30	Michael Rubhausen Time resolved spontaneous Raman scattering in materials with electronic order
10:30-11:00	Coffee Break
	Seminar 7 Light-induced dynamics in superconductors and graphene (Room Hermes) Ludwig Mathey, Seminar chair
11:00-11:50	Ludwig Mathey Light-induced dynamics in superconductors and graphene
11:50-12:10	Riek Rüstemeier Coherent optical control of electrons in patterned graphene nanoribbons
12:10-12:30	Hector Collado Coherent control of photoconductivity in graphene nanoribbons
12:30-14:30	Siesta
	Seminar 8 Low energy excitation in HTC superconductor (Room Hermes) Chair: Michael Rübhausen
14:30-14:40	Michael Rübhausen Introduction to the excitation landscape of superconductors
14:40-15:25	Kenneth Burch Ferro-rotational orbital density wave uncovered with the axial Higgs Detecting new quasi-particles with Raman scattering
15:25-16:10	Dirk Manske Recent progress on Higgs spectroscopy of superconductors
16:10-16:25	Break
16:25-16:55	Jakob Dolgner Pair-breaking features of Raman spectra
16:55-17:25	Tomke Glier Higgs excitations in Superconductors: Higgs excitations in superconductors observed by non-equilibrium Raman spectroscopy
17:25-17:35	Michael Rübhausen Summary of the master class and wrap up
17:35-18:00	Coffee Break

	Session XXV Nonequilibrium Superconductivity-5 (Room Hermes) Chair: Michael Rübhausen	Session XXVI Ultrafast Coherent Sources -5) in Applications -2 (Room Orpheas) Chairs: Jeffrey Moses
18:00-18:30	Ilya Eremin Short-time dynamics in pair-density-wave superconductor: THG signatures of the elusive many-body state	Niklas Hofmann Measuring the non-equilibrium electronic Structure of phonon-driven 2D materials
18:30-19:00	Laurène Gatuingt Out-of-equilibrium dynamics of the optimally doped Bi2212 superconducting cuprate by ultrafast time resolved Raman scattering	Mizuki Tani Exploring nonequilibrium phenomena through laser processing simulations
19:00-19:30	Jacopo Fiore Fingerprints of superconducting collective modes in nonlinear THz spectroscopies	Sergej Neb Coherent phonon-driven modification of orbital-specific local field dynamics in $\text{Ti}_3\text{C}_2\text{T}_x$ (MXene)
19:30-20:00	Yaroslav Gerasimenko Tracking electronic dynamics at the atomic scale with ultrafast tunnelling spectroscopy	Alon Ron Coherent control through phonon anharmonicity