

IMPRS
annual
meeting and
psychological
distress
workshop

May 13th – 15th,
Ringberg castle



	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-....
13th	Departure from MPQ at 8:45am			Talks Chair: Najd Altwaijry	Lunch	Talks Chair: Max Gilljohann	Psychological distress workshop Harald Roth				Dinner	Election and discussion	
14th	Breakfast	Talks and coffee break Chairs: Olga Jahn & Martin Kaumanns				Hiking with lunch packages led by Theresa Buberl					Bavarian Dinner	Music night	
15th	Breakfast	Talks and coffee break Chairs: Nathalie Nagl & Stefan Donsa			Lunch	Departure from Ringberg castle back to MPQ at 2pm							

13th of May

11:00-11:20	Precision-spectroscopy of the 2S-6P transition in atomic hydrogen	Vitaly Andreev	Udem
11:20-11:40	Ultra low phase noise frequency comb for He+ spectroscopy	Fabian Schmid	Udem
11:40-12:00	Brilliant X-rays sensitive to intra-cellular protein build-up hallmark of Alzheimer's Disease neurodegeneration	Giacomo Barbone	Coan
12:00-12:20	Using an Autoencoder for Dimensionality Reduction in Quantum Dynamics	Sebastian Reiter	Vivie-Riedle
12:20-13:30	Lunch		
13:30-13:50	Violating Hund's rule: Singlet triplet inversion in the excited states of heptazine	Johannes Ehrmaier	Domcke
13:50-14:10	Ultrafast Nonlinear Microscopy	Dziugas Kimbaras	Kling
14:10-14:30	Vlad Yakovlev		
14:30-18:15	Psychological distress workshop (coffee break at 15:30-16)		
18:15- 18:30	Gaia Barbiero		
18:30-20:00	Dinner		
20:00-22:00	Election and discussion		

14th of May			
8:30-8:50	Long, Longer, PFS!	Mathias Krüger	Karsch
8:50-9:10	TBD	Martin Kaumanns	Nubbemeyer/Krausz
9:10-9:30	TBD	Maximilian Seeger	Kling
9:30-9:50	TBD	Najd Altweijry	Kling
9:50-10:10	Directly diode-pumped, Kerr-lens mode-locked, few-optical-cycle Cr:ZnSe oscillator	Nathalie Nagl	Mak/Krausz
10:10-10:30	Efficiency and Bandwidth Optimized Electro-Optic Sampling	Christina Hofer	Pupeza/Krausz
10:30-11:00	Coffee break		
11:00-11:20	TMF: what we have learnt so far	Enrico Ridente	Karpowicz/Krausz
11:20-11:40	Towards Broadband, Field-Resolved Stimulated Raman Spectroscopy	Gaia Barbiero	Fattahi/Krausz
11:40-12:00	Infrasampler 2.0 and the dispersion of mid-infrared pulses	Daniel Gerz	Pupeza/Krausz
12:00-12:20	Towards new sensitivities in infrared molecular spectroscopy	Theresa Buberl	Pupeza/Krausz
12:20-12:40	TBD	Marinus Huber	Zigman/Krausz
12:40-13:00	IR-fingerprinting as a universal tool for diseases diagnostics	Cristina Leonardo	Zigman/Krausz
13:00-13:20	Hydroxamic Acid Linear Linkers for Molecular Surface Architectonics	Sabine Synkule	Barth
13:20-18:00	Hiking		
18:30-20:00	Bavarian Dinner		
20:00-...	Music Night		

15th of May

8:30-8:50	Wakefield acceleration under a microscope	Hao Ding	Karsch
8:50-9:10	Direct Observation of Plasma Waves and Dynamics Induced by Laser-Acelerated Electron Beams	Max Gilljohann	Karsch
9:10-9:30	Transient optical gain in solids after strong-field excitation	Muhammad Qasim	Yakovlev/Krausz
9:30-9:050	Probing electronic correlations with ultrashort elliptically polarized pulses	Stefan Donsa	Burgdörfer
9:50-10:10	Generation of High Harmonics in Solids	Isabella Floss	Burgdörfer
10:10-10:30	Brilliant X-rays sensitive to intra-cellular protein build-up hallmark of Alzheimer's Disease neurodegeneration	Valerie Smejkal	Burgdörfer
10:30-11:00	Coffee Break		
11:00-11:20	TBD	Keyhan Golyari	Schultze/Krausz
11:20-11:40	Spin Path in Space and Time (SPAST)	Florian Siegrist	Schultze/Krausz
11:40-12:00	Ultrafast electron dynamics in metals and semiconductors	Julia Anthea Gessner	Schultze/Krausz
12:00-12:20	High harmonic generation in strongly tailored light fields	Sambit Mitra	Kling
12:20-12:40	Surface High Harmonic Generation with a few-cycle laser	Olga Jahn	Karsch
12:40-14:00	Lunch		
14:00	Departure		