

Thursday, 05/03 2018

8:50 - 9:00	Opening
9:00 - 9:40	Harald Giessen (University of Stuttgart) <i>Interaction of Rydberg excitons with higher orbital angular momentum light</i>
9:40 - 10:20	Mikhail Glazov (Ioffe Institute) <i>tba</i>
10:20 - 10:50	coffee break
10:50 - 11:30	Alexey Chernikov (University of Regensburg) <i>Excitons in semiconducting 2D materials</i>
11:30 - 12:10	Richard Schmidt (Max Planck Institute for Quantum Optics) <i>tba</i>
12:10 - 13:40	lunch
13:40 - 14:20	Sebastian Hofferberth (University of Southern Denmark) <i>Rydberg quantum optics in ultracold atomic gases</i>
14:20 - 15:00	Michael Gullans (Princeton University) <i>Emergent low-energy physics of light transmission through interacting atomic media</i>
15:00 - 15:20	contributed talk
15:20 - 15:50	coffee break
15:50 - 16:30	Matthew Jones (Durham University) <i>tba</i>
16:30 - 16:50	contributed talk
16:50 - 17:10	contributed talk
17:10 - 17:50	Markus Kurz (Rostock University) <i>Excitonic giant-dipole states in cuprous oxide</i>
18:00 - 19:00	Dinner
19:00 -	Poster Session

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9:00 - 9:40	Charles Adams (Durham University) <i>tba</i>
9:40 - 10:20	Gouxiang Huang (East China Normal University) <i>Ultraslow weak-light bullets and vortices and their manipulation in a cold Rydberg gas</i>
10:20 - 10:50	coffee break
10:50 - 11:30	Sylwia Zielińska-Raczyńska (University of Science and Technology, Bydgoszcz) <i>Coherent Interactions of Rydberg Excitons with Light</i>
11:30 - 12:10	Joerg Main (University of Stuttgart) <i>Theoretical investigations of magnetoexcitons in cuprous oxide</i>
12:10 - 13:40	lunch
13:40 - 14:20	Marc Assmann (Technical University of Dortmund) <i>Giant interactions of Rydberg excitons in Cuprous Oxide</i>
14:20 - 15:00	Ivan Shelykh (University of Iceland) <i>tba</i>
15:00 - 15:20	contributed talk
15:20 - 15:50	coffee break
15:50 - 16:30	Wolfgang Langbein (University of Cardiff) <i>tba</i>
16:30 - 17:10	Marina Semina (Ioffe Institute) <i>The second harmonic generation on Rydberg excitons in Cu₂O</i>
17:10 - 17:50	Valentin Walther (Aarhus University) <i>Nonlinear Optics with Rydberg excitons</i>
17:50 - 18:00	closing
19:00 -	Dinner

Poster Contributions	
Oleksandr Kyriienko	
Sjard Ole Krüger	Trapping potentials for Rydberg excitons in cuprous oxide Cu_2O
Yongchang Zhang	Enhanced optical response of Rydberg-EIT media
Callum Murray	Manipulating single photons in strongly interacting ensembles
Thomas Stielow	Towards an excitation scheme for giant dipole states of Rydberg excitons in Cu_2O
Johannes Block	Van der Waals interactions between Rydberg atoms near surfaces
Annika Konzelmann	
Liam Gallagher	Towards Rydberg Quantum Optics in Excitons
Joshua Rogers	
Vanik Shahnazaryan	
Simon Ball	
Philipp Lunt	
Nina Stiesdal	Rydberg quantum optics in an ultracold Rubidium gas
Patric Rommel	
David Ziemkiewicz	Tunable Rydberg exciton maser
Gerard Czajkowski	Rydberg Magnetoexcitons in the regime of Franz-Keldysh oscillations