



## Schedule Winter Semester 2023/2024



**Tuesdays**  
**12:00**



Zoom: [www.qucolima.de/join-qucolima-talk](http://www.qucolima.de/join-qucolima-talk)

**Erlangen**  
Lecture Hall HF  
Physikum

**Saarbrücken**  
tba

**Mainz**  
tba

Date	Title	Location*	Speaker	Chairperson
16.04.2024	Tweezers, trapped ions, and Rydbergs: a quantum simulation zoo	Erlangen & Zoom	Arghavan Safavi Naini (University of Amsterdam, The Netherlands)	Claudiu Genes
23.04.2024 15:00 (!)	Continuous lasing and self-regulated frequency pinning of the dressed cavity resonance with strongly-coupled <sup>88</sup> Sr atoms in a ring cavity	Saarbrücken & Zoom	Vera Schäfer (MPI Heidelberg)	Jürgen Eschner
30.04.2024 15:00 (!)	The grasshopper problem	Zoom	Olga Goulko (UMass Boston, US)	Jamir Marino
07.05.2024	tba	tba	tba	
28.05.2024 15:00 (!)	Probing & benchmarking quantum devices with randomized measurements	Zoom	Andreas Elben (Caltech, US)	Jamir Marino
18.06.2024	Tailoring the degree of entanglement of two coherently coupled quantum emitters	Erlangen & Zoom	Brahim Lounis (University of Bordeaux, France)	Stephan Götzinger
25.06.2024	Trapped-Ion simulation of open quantum systems	Zoom	Guido Pagano (Rice University, US)	Jamir Marino
16.07.2024	Towards nonlinear optics at x-ray energies with Mössbauer nuclei	Erlangen & Zoom	Dominik Lentrodt (Universität Freiburg)	Joachim von Zanthier

**\* All talks hybrid:**

Mixture of on-site talks at the main sites of QuCoLiMa (Erlangen, Mainz, Saarbrücken) as well as online talks. Regardless of where the talks are given, they are livestreamed via Zoom and can be watched from home/office or *cooperatively* in the respective meeting rooms.

QuCoLiMa Talks are regular seminars of the collaborative research center TRR 306 QuCoLiMa (Quantum Cooperativity of Light and Matter), where (external) experts are invited to present their work.

Abstracts and more information at [www.qucolima.de/talks](http://www.qucolima.de/talks)

