

Poster Session 2, Wednesday, 6 September, 19:30 h (CEST)

Andraz Omahen	Quantum Gravitational Wave Detector Based on High Overtone Bulk Acoustic Wave Resonators
Thomas Penny	Searching for Sterile Neutrinos Using Radioactive Levitated Nanoparticles
Johannes Piotrowski	Cavity Quantum Optomechanics with Levitated Nanoparticles
Markus Rademacher	Characterising Nanoparticle Anisotropy through Angularly Resolved Rayleigh Scattering in Optically Levitated Particles
Andrey Rakhubovsky	Broadcasting Quantum Nonlinearity to a Linear System
Dennis Rätzel	Using (Levitated) Optomechanical Systems to Test Gravitational Theory - Possibilities and Limitations
Rafael Mufato Reis	Bimodal Thermal States of Levitated Nanoparticles
Fabian Resare	Levitated Superconductive Particles On-chip for Testing Foundations of Quantum Mechanics and Sensing
Jakob Rieser	Tunable Light-induced Dipole-dipole Interaction Between Optically Levitated Nanoparticles
Marc Rodà Llordés	Macroscopic Quantum Superpositions in a Wide Double-Well Potential
Loïc Rondin	Shortcuts to Equilibrium with a Levitated Particle in the Underdamped Regime

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Pedro Rosso Gomez	Optical Metasurfaces for Levitodynamics Experiments
Jonas Schäfer	Decoherence of Rigid Rotors due to Emission of Thermal Radiation
Surangana Sengupta	Josephson Optomechanics
Marit O. E. Steiner	Testing Spontaneous Collapse Models with Levitated Particles Under Free Evolution
Daniel Tandeitnik	Perturbative Nonlinear Levitodynamics
Shilu Tian	Engineering Q Factor of Diamagnetically Levitated Graphite Resonator
Germain Tobar	Testing Spontaneous Wavefunction Collapse with Quantum Electromechanics
Stephan Troyer	Towards an Experimental Platform for the Control of Biological Nanoobjects
Christian Vogt	Levitated Optomechanics with Reduced Gravity
George Winstone	Detecting High Frequency Gravitational Waves with Optically Levitated Micro Disks
Nabil Zerradi	Electrical Levitation of Micromagnetic Particle Coupled to Superconducting Quantum Circuit