

Time	Author	Title
Monday		
9h30 - 10h20	Registration and coffee	
10h25 - 10h30	Foreword	
10h30 - 11h15	Gabriel Hétet	Spin-mechanics with trapped diamonds
11h15 - 11h45	Morning break	
11h45 - 12h15	Cosimo Rusconi	Spin-controlled quantum interference of levitated nanorotors
12h15 - 13h00	James Millen	New technologies and techniques for levitating particles and sharing ideas
13h00 - 16h00	Lunch break	
16h30 - 17h15	Peter Barker	Testing fundamental physics with charged nanoparticle oscillators
17h15 - 17h45	Coffee break	
17h45 - 18h30	Hendrik Ulbricht	Testing quantum mechanics and gravity with levitated systems
18h30 - 19h00	Pavel Fadeev	Ferromagnetic Gyroscopes for Tests of Fundamental Physics

Tuesday		
10h30 - 11h15	David Moore	Searches for dark matter with levitated optomechanical sensors
11h30 - 11h45	Morning break	
11h45 - 12h15	Giovanni Guccione	Stabilizing a coherent optical levitation system with photothermal cancellation
12h15 - 13h00	George Winstone	High frequency gravitational wave detection with optically levitated nano objects
13h00 - 16h15	Lunch break	
16h30 - 17h00	Christian Vogt	Levitodynamics in a drop tower
17h00 - 17h45	Coffee and posters	
17h45 - 18h30	Rainer Kaltenbaek	The 2022 proposal of the MAQRO space mission
18h30 - 19h00	Radim Filip	Stroboscopic High-Order Nonlinearity for Levitated Optomechanics

Wednesday		
10h30 - 11h15	Nikolai Kiesel	Spatiotemporal control of levitated nanoparticles
11h15 - 11h45	Morning break	
11h45 - 12h15	Damien Raynal	Shortcuts to equilibrium with a levitated particle
12h15 - 12h45	Carlos Gonzalez Ballester	Ultra-coherent levitodynamics with squeezed light
13h00 - 16h15	Lunch break	
16h15 - 19h00	Afternoon discussions	
19h15 - ...	Poster session/diner	Poster session along with food and drinks

Thursday		
10h30 - 11h15	Oriol Romero-Isart	Harnessing Unstable Levitodynamics
11h15 - 11h45	Morning break	
11h45 - 12h15	Christian Tomás Schmiegelow	Towards deep laser cooling of the internal and external motion of trapped nanoparticles
12h15 - 13h00	Julen Pedernales	Environmental Decoupling and Enhanced Force Sensitivity in Levitated Optomechanical Systems
13h00 - 16h15	Lunch break	
16h30 - 17h00	Kirill Streltsov	Ground-State Cooling of Levitated Magnets in Low-Frequency Traps
17h00 - 17h45	Coffee and posters	
17h45 - 18h30	Witlef Wieczorek	Chip-based magnetic levitation of superconducting microparticles
18h30 - 19h00	J DaLi Schaefer	Integrated single-spin magnetomechanics with levitated micromagnets via in-situ micromanipulation

Friday		
10h30 - 11h15	Massimiliano Rossi	Quantum optomechanics with a levitated nanoparticle in free space
11h15 - 11h45	Morning break	
11h45 - 12h30	Francesco Marin	A levitated nanosphere in the strong optomechanical coupling regime
12h30 - 13h00	Sofia Qvarfort	Cooling through parametric modulations and phase-preserving quantum measurements
13h00 - 16h15	Lunch break	
16h45 - 17h15	Valerio Scarani	Quantum signature in the dynamics of a single oscillator
17h15 - 17h45	Coffee break	
17h45 - 18h30	Uros Delic	Light-induced dipole-dipole interaction between nanoparticles
18h30 - 19h00	Andrés de los Ríos Sommer	Strong Optomechanical Coupling of Levitated Nanoparticles to an Optical Cavity