

PHOTONS BEYOND QUBITS 2019

OLOMOUC, APRIL 11 – 12, 2019

Thursday April 11	9:30		Coffee and Registration
	10:00		Opening remarks
	10:15	O. Jennrich	Results of the CDF study for QPPF
	11:00	J. Bateman	Bayesian estimation & MAQRO
	11:40	A. Belenchia	Talbot Effect beyond Rayleigh Approximation
	12:20	M. Carlesso	Non-interferometric test of collapse models: state of the art and proposals for future investigations
	13:00		Lunch
	14:30	B. Stickler	Macroscopic superposition test with rotating nanoparticles
	15:15	U. Delic	Cavity cooling of a levitated nanosphere by coherent scattering
	16:00		Coffee break
	16:30	D. Bykov	Direct loading of nanoparticles under high vacuum into a Paul trap
	17:15		Guided discussion on critical issues, challenges and state of the art
	18:00		Poster session
Friday April 12	9:00		Coffee break
	9:30	T. Oosterkamp	Experimental tests for CSL using cold mechanical resonators: progress, problems and prospects
	10:10		Discussion on next steps for MAQRO/QPPF (consortium, technology development, roadmap)
	12:00		Lunch
	13:30	A. Datta	Quantum enhanced estimation of diffusion
	14:10	L. Wörner	TBA
	14:50		Closing remarks
	15:00		Lab Tour



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