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# Frontiers of Matter Wave Optics Conference | (smr 3769)

## Friday 23 September 2022

### - Budinich Lecture Hall (LB) (09:00-14:00)

time	title	presenter
09:00	Strapdown Quantum Inertial Measurement Unit	BAPTISTE BATTELIER
09:40	Multi-photon Atom Interferometry via cavity-enhanced Bragg Diffraction	DYLAN BANAHENE-SABULSKY
10:20	Coffee break	
11:00	Very Long Baseline Atom Interferometry	DENNIS SCHLIPPERT
11:20	Two-photon recoil interactions in a bow-tie cavity	HODEI ENERIZ
11:40	Internal (Phonon) Decoherence and Interferometry with Nanoparticles	CARSTEN HENKEL
12:00	Testing the foundation of quantum physics in space via Interferometric and non-interferometric experiments with mesoscopic nanoparticles	MATTEO CARLESSO
12:20	Lunch	
13:50	Closing Ceremony	