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# Frontiers of Matter Wave Optics School and Conference | (smr 3735)

## Monday 19 September 2022

- Budinich Lecture Hall (LB) (08:30-17:20)

time	title	presenter
08:30	Registration formalities (conference)	
09:30	Opening Ceremony	
09:40	Matter-Waves lensing in Dynamic Wave-Guides	WOLF VON KLITZING
10:20	Coffee break	
11:00	Joint mass-and-energy test of the equivalence principle with atom interferometers	MINGSHENG ZHAN
11:40	Conformer selection and enantiomer superpositions from matter-wave interference	BENJAMIN ANDREAS STICKLER
12:00	State-dependent potentials for trapped atom interferometry	THOMAS FERNHOLZ
12:20	Lunch break	
14:00	Superfluid quantum Bose gas on a shell	HELENE PERRIN
14:40	Accurate measurement of atom surface Casimir-Polder interaction	GABRIEL DUTIER
15:20	Quantum Gases in Space for Fundamental Physics and Earth Observation	NACEUR GAALOUL
16:00	Coffee break	
16:20	Fractional angular momentum quantization in Atomtronic circuits	JUAN POLO
16:40	Interference dynamics of matter-waves of SU(N) fermions	WAYNE JORDAN CHETCUTI
17:00	The dipolar supersolid: a self-induced Josephson junction	GIULIO BIAGIONI