

QUANTUM FLUIDS OF LIGHT

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Light propagating in nonlinear photonic devices can be seen as an ensemble of photons showing collective fluid-like behaviours under the effect of interactions induced by the Kerr nonlinearity. I will start by reviewing key experiments demonstrating Bose-Einstein condensation and superfluidity features in quantum fluids of light. I will then present some among the most exciting research directions, with a particular attention on topological and quantum magnetism effects for light.

FRIDAY,
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2:00 PM

CFEL
SEMINAR ROOMS I-III

